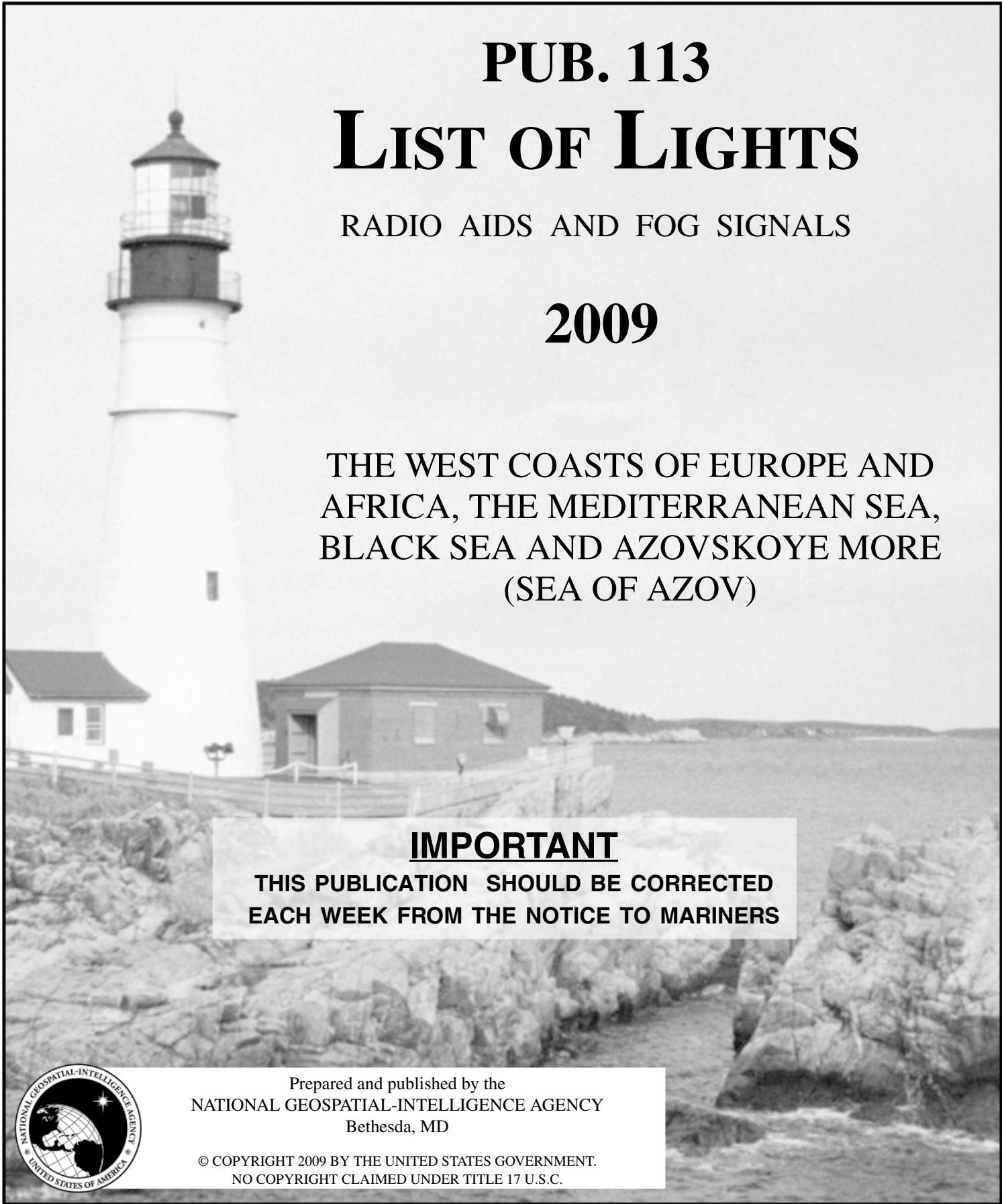




PUB. 113

LIST OF LIGHTS

RADIO AIDS AND FOG SIGNALS

2009

THE WEST COASTS OF EUROPE AND
AFRICA, THE MEDITERRANEAN SEA,
BLACK SEA AND AZOVSKOYE MORE
(SEA OF AZOV)

IMPORTANT

**THIS PUBLICATION SHOULD BE CORRECTED
EACH WEEK FROM THE NOTICE TO MARINERS**



Prepared and published by the
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY
Bethesda, MD

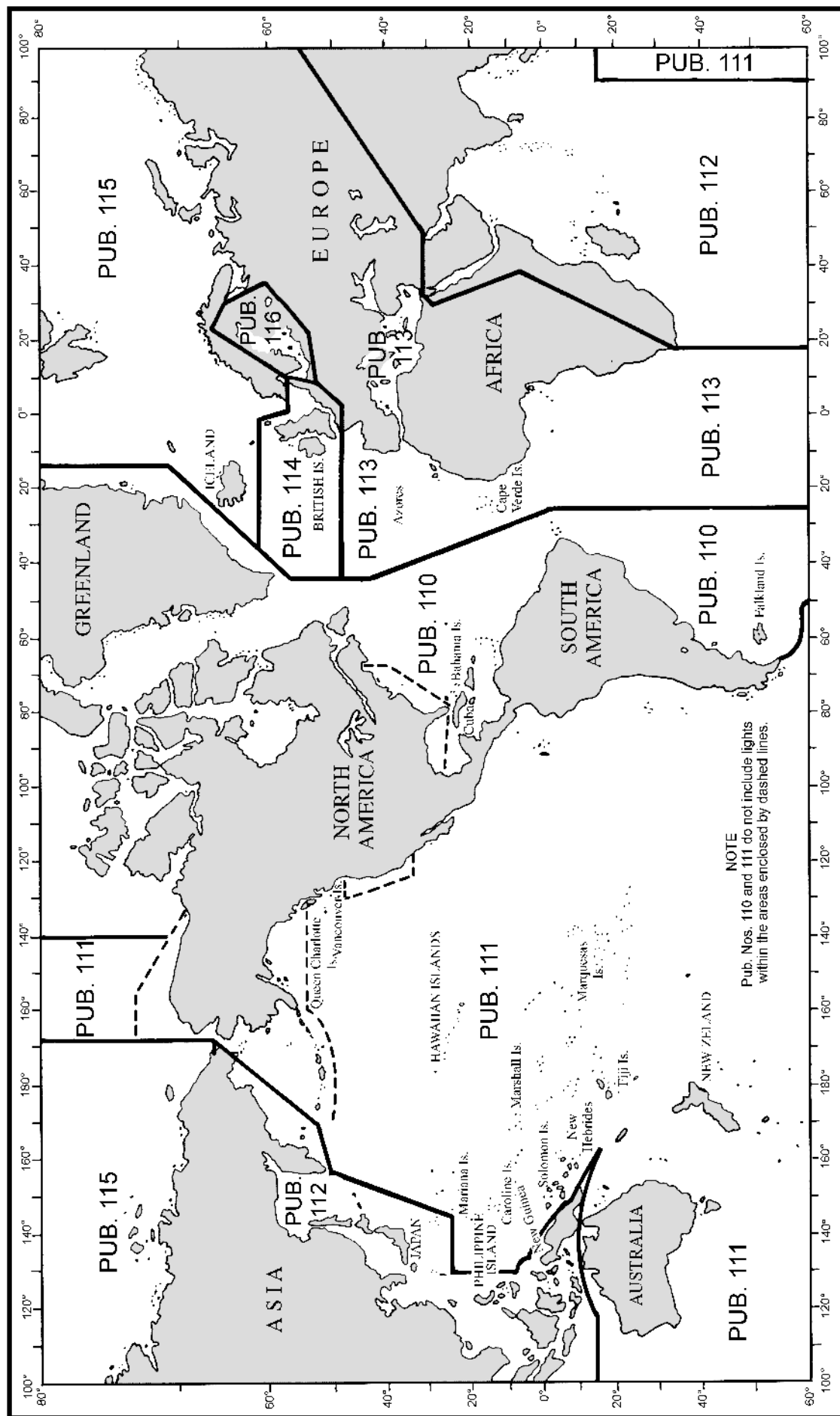
© COPYRIGHT 2009 BY THE UNITED STATES GOVERNMENT.
NO COPYRIGHT CLAIMED UNDER TITLE 17 U.S.C.



NSN 7642014007535

NGA REF. NO. LLPUB113

LIST OF LIGHTS LIMITS NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY



113

LIGHTS

WEST COAST OF EUROPE

2009

WARNING ON USE OF FLOATING AIDS TO NAVIGATION TO FIX A NAVIGATIONAL POSITION

The aids to navigation depicted on charts comprise a system consisting of fixed and floating aids with varying degrees of reliability. Therefore, prudent mariners will not rely solely on any single aid to navigation, particularly a floating aid.

The buoy symbol is used to indicate the approximate position of the buoy body and the sinker which secures the buoy to the seabed. The approximate position is used because of practical limitations in positioning and maintaining buoys and their sinkers in precise geographical locations. These limitations include, but are not limited to, inherent imprecisions in position fixing methods, prevailing atmospheric and sea conditions, the slope of and the material making up the seabed, the fact that buoys are moored to sinkers by varying lengths of chain, and the fact that buoy and/or sinker positions are not under continuous surveillance but are normally checked only during periodic maintenance visits which often occur more than a year apart. The position of the buoy body can be expected to shift inside and outside the charting symbol due to the forces of nature. The mariner is also cautioned that buoys are liable to be carried away, shifted, capsized, sunk, etc. Lighted buoys may be extinguished or sound signals may not function as the result of ice or other natural causes, collisions, or other accidents.

For the foregoing reasons, a prudent mariner must not rely completely upon the position or operation of floating aids to navigation, but will also utilize bearings from fixed objects and aids to navigation on shore. Further, a vessel attempting to pass close aboard always risks collision with a yawing buoy or with the obstruction the buoy marks.

PREFACE

The 2009 edition of Pub. 113, List of Lights, Radio Aids and Fog Signals for the West Coasts of Europe and Africa, the Mediterrean Sea, Black Sea and Azovskoye More (Sea of Azov), cancels the previous edition of Pub. 113.

This edition contains information available to the National Geospatial-Intelligence Agency (NGA) up to 26 September 2009, including Notice to Mariners No. 39 of 2009.

A summary of corrections subsequent to the above date will be in Section II of the Notice to Mariners which announced the issuance of this publication.

In the interval between new editions, corrective information affecting this publication will be published in the Notice to Mariners and must be applied in order to keep this publication current.

Nothing in the manner of presentation of information in this publication or in the arrangement of material implies endorsement or acceptance by NGA in matters affecting the status and boundaries of States and Territories.

RECORD OF CORRECTIONS PUBLISHED IN WEEKLY NOTICE TO MARINERS

NOTICE TO MARINERS

YEAR 2009				YEAR 2010			
1.....	14.....	27.....	40.....	1.....	14.....	27.....	40.....
2.....	15.....	28.....	41.....	2.....	15.....	28.....	41.....
3.....	16.....	29.....	42.....	3.....	16.....	29.....	42.....
4.....	17.....	30.....	43.....	4.....	17.....	30.....	43.....
5.....	18.....	31.....	44.....	5.....	18.....	31.....	44.....
6.....	19.....	32.....	45.....	6.....	19.....	32.....	45.....
7.....	20.....	33.....	46.....	7.....	20.....	33.....	46.....
8.....	21.....	34.....	47.....	8.....	21.....	34.....	47.....
9.....	22.....	35.....	48.....	9.....	22.....	35.....	48.....
10.....	23.....	36.....	49.....	10.....	23.....	36.....	49.....
11.....	24.....	37.....	50.....	11.....	24.....	37.....	50.....
12.....	25.....	38.....	51.....	12.....	25.....	38.....	51.....
13.....	26.....	39.....	52.....	13.....	26.....	39.....	52.....

TABLE OF CONTENTS

Index Chartlet	Back of front cover
Preface and Record of Corrections Published in Weekly Notice to Mariners	I
Introduction	VII
IALA Buoyage System	VIII
Maritime Domain Web Site	IX
Description (Lights, Buoys, RACONs, RAMARKs)	XI
Characteristics of Lights	XII
Nomenclature of Lights	XIV
Lightships, Superbuoys, and Offshore Light Stations	XVI
Fog Signals	XVII
Visibility Table	XVIII
Conversion Table — Feet to Whole Meters	XIX
Radiobeacons	XX
Description (Radiobeacons)	XXV
Table of Symbols	XXVI
Differential Global Positioning System (DGPS)	XXIX
Description (Differential GPS Stations)	XXX

List of Lights for:

Section 1

West Coast of France

France-West Coast	1

Section 2

North and West Coasts of Spain

Spain-North Coast	27
Spain-West Coast	44

Section 3

Portugal, Southwest Coast of Spain and Gibraltar

Portugal	52
Spain-Southwest Coast	63
Strait of Gibraltar-North Side	67

Section 4

Mediterranean Coast of Spain

Including Balearic Islands

Spain-Mediterranean Sea	71, 93
Spain-Islas Baleares	81

Section 5

Mediterranean Coast of France and Monaco

France-Mediterranean Sea	109, 128
Monaco	128

Section 6

Corsica, Sardinia and Northwest Coast of Italy

Italy-West Coast	129
Corse (Corsica) (F.)	137
Sardegna (Sardinia) (I.)	142

Section 7

West Coast of Italy and Sicily

Italy-West Coast and Adjacent Islands	154
Sicilia (Sicily) and Adjacent Islands (I.)	169

Section 8

Malta, South and East Coasts of Italy, and Slovenia

Malta and Ghawdex (Gozo)	183
Italy-Southeast Coast	184
Italy-East Coast	187
Italy-Northeast Coast	196
Slovenia	203

Section 9

Croatia

Croatia	205

Section 10

Montenegro, Albania, and South and West Coasts of Greece

Including Peleponnisos

Montenegro	245
Albania	245
Greece-West Coast-Ionioi Nisoi (Ionian Islands)	247
Greece	260

Section 11

Kikladhes Islands, Crete and East Coast of Greece

Greece-Kikladhes	269
Greece-Kriti (Crete)	275
Greece	279

Section 12

Northeastern Aegean Sea, Sea of Marmara, Bulgaria, Romania and Ukraine

Including Dardanelles and Bosphorus

Greece-Turkey	293
Turkey	294
Turkey-Black Sea	303
Bulgaria	304
Romania	306
Ukraine	307
Azovskoye More (Sea of Azov)	315

Section 13

Russia, Georgia, Turkey and Islands of the Eastern Aegean Sea

Including Dhodhekanisos

Russia	318
Georgia	321
Turkey-Black Sea	323
Turkey-Greece	328
Greece-Dhodhekanisoi	340
Turkey-South Coast	343

Section 14

Cyprus, Syria, Lebanon, Israel, Egypt, Libya and Tunisia

Cyprus	350
Syria	352
Lebanon	353
Israel	355
Egypt	357
Libya	360
Tunisia	366

Section 15

Algeria and Morocco

Algeria	375
Morocco	382

Section 16

Islands of the Eastern North Atlantic

Acores (Azores) (P.)	392
Arquipelago da Madeira (Madeira Islands) (P.)	398
Islas Canarias (Canary Islands) (S.)	400
Arquipelago de Cabo Verde (Cape Verde Islands)	408

Section 17

West Coast of Africa and Islands of The Eastern North Atlantic

Western Sahara	412
Mauritania	413
Senegal	414, 415
The Gambia	414
Guinea	416
Sierra Leone	417
Liberia	418
Ivory Coast	419
Ghana	420
Togo	421
Benin	422
Nigeria	422
Cameroon	423, 426
Offshore Islands	424
Equatorial Guinea	427
Gabon	427
Congo	428
Cabinda	429
Zaire	429
Angola	429
Namibia	432
South Africa	433
South Atlantic Islands	437

Section 18

Radiobeacons

Italy	439
Croatia	439
Malta	439
Greece	439
Ukraine	440
Georgia	440
Turkey	440
Syria - Israel	440
Egypt	440
Libya	441
Tunisia	441
Azores	441
Cape Verde	441
Africa - West Coast	441
Angola	442

Section 19

Differential GPS Stations

Egypt	443
Index-Lights	445
Index-Radiobeacons	465
Index-Differential GPS Beacons	467
Cross Reference-International vs. U.S. Light Number	469

INTRODUCTION

The National Geospatial-Intelligence Agency publishes a List of Lights, Radio Aids and Fog Signals in seven volumes divided geographically as shown on the index chart-let on the inside front cover of this book. Major fixed and outermost floating aids to navigation, such as sea buoys, safety fairway buoys, traffic separation buoys, etc., are listed. Other floating aids are not generally listed. Storm signals, signal stations, radio direction finders, radiobeacons, RACONs and RAMARKs located at or near lights are found in this List. Radiobeacons are listed in a separate section in the back of this publication.

The date to which this publication has been corrected can be found in the Preface. In the interval between new editions, corrective information affecting this publication will be published in Section II of Notice to Mariners, and must be applied to keep this publication current. All of these corrections should be applied in the appropriate places and their insertion noted in the "Record of Corrections."

Mariners and other users are requested to forward new or corrective information useful in the correction of this publication to:

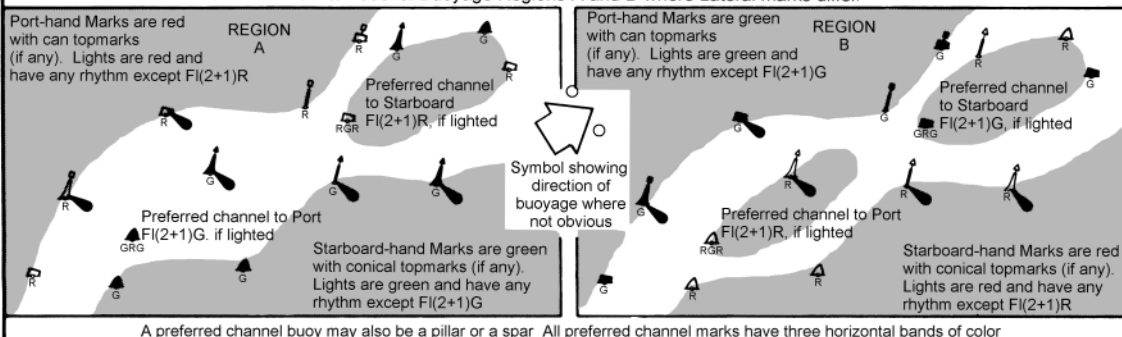
MARITIME DOMAIN
ST D 44
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY
4600 SANGAMORE ROAD
BETHESDA MD 20816-5003

Buoys and Beacons IALA* Buoyage System

Where in force, the IALA System applies to all fixed and floating marks and occasionally lighthouses, sector lights, range marks, lightships and LANBY's (large automatic navigational buoys).

The standard buoy shapes are cylindrical (can) , conical , spherical , pillar (including high focal plane) , and spar , but variations may occur, for example lightfloats . In the illustrations below, only the standard buoy shapes are used. In the case of fixed beacons (lighted or unlighted), only the shape of the topmark is of navigational significance.

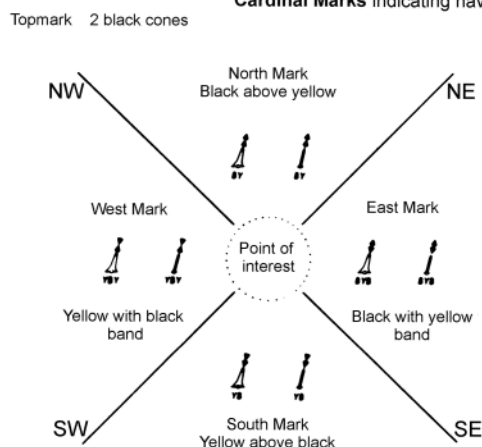
Lateral Marks (used in conjunction with a conventional direction of buoyage) are generally for well-defined channels. There are two international Buoyage Regions-A and B-where Lateral marks differ.



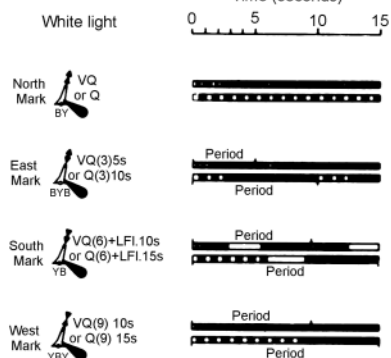
All marks other than Lateral Marks are the same in REGIONS A and B

UNLIGHTED MARKS

Cardinal Marks indicating navigable water to the named side of the marks



LIGHTED MARKS



* The same abbreviations are used for lights on spar buoys and beacons. The periods, 5s, 10s and 15s, may not always be charted.

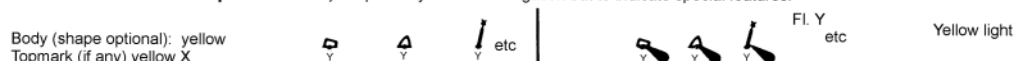
Isolated Danger Marks, stationed over dangers with navigable water around them.

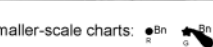


Safe Water Marks, such as mid-channel and landfall marks.



Special Marks, not primarily to assist navigation but to indicate special features.



BEACONS with IALA System topmarks are charted by upright symbols. eg:  (minor beacon) or, on smaller-scale charts: 

Beacon towers are charted:  (occasionally lighted)

RADAR REFLECTORS on buoys and beacons are not generally charted.

COLOR ABBREVIATIONS under symbols, especially those of spar buoys, may be omitted, or may be at variance with symbols shown above.

LIGHTFLOATS: The IALA System is not usually applied to large lightfloats (replacing manned lightships) but may be applied to smaller lightfloats.

* IALA is an abbreviation of International Association of Lighthouse Authorities

THE NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY MARITIME DOMAIN WEBSITE

The National Geospatial-Intelligence Agency (NGA) Maritime Domain Website provides worldwide remote query access to extensive menus of maritime safety information 24 hours a day.

Databases made available for access, query and download include Chart Corrections, Publication Corrections, NGA Hydrographic Catalog Corrections, Chart and Publication Reference Data (current edition number, dates, title, scale), NGA List of Lights, USCG Light Lists, WorldWide Navigational Warning Service (WWNWS) Broadcast Warnings, Maritime Administration (MARAD) Advisories, Department of State Special Warnings, Mobile Offshore Drilling Units (MODUs), Anti-Shipping Activity Messages (ASAMs), World Port Index, and Radio Navigational Aids. Publications that are also made available as PDF files include the U.S. Notice to Mariners, U.S. Chart No. 1, The American Practical Navigator (Bowditch), International Code of Signals, Radio Navigational Aids, World Port Index, Distances Between Ports, Sight Reduction Tables for Marine and Air Navigation, and the Radar Navigation and Maneuvering Board Manual.

The Maritime Domain Website can be accessed via the NGA Homepage (www.nga.mil) under the Products and Services link or directly at <http://www.nga.mil/maritime>. Any questions concerning the Maritime Domain Website should be directed to:

MARITIME DOMAIN
ATTN: NSS STAFF
ST D 44
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY
4600 SANGAMORE ROAD
BETHESDA, MD 20816-5003

Telephone: (1) 301-227-3296 or DSN 287-3296
Fax: (1) 301-227-4211
E-mail: webmaster_nss@nga.mil

DESCRIPTION

(Lights, Buoys, RACONs, RAMARKs)

Information is tabulated in eight columns as follows:

Column 1: The number assigned to each light, RACON or RAMARK by this Agency. International numbers are listed below this number in italic type and in a cross reference in the back of the book. RACONs and RAMARKs located at a light are listed with the light. Those not located at a light are assigned separate numbers.

Column 2: Name and descriptive location of the light or buoy, RACON or RAMARK. A dash (-) or dashes (--) in this column is used to reduce repetition of principal geographic names. This column is intended to describe the location of the navigational aid and to distinguish it from others in proximity. Differences in type indicate the following:

Bold-faced: Lights intended for landfall or having a visibility (range) of 15 miles or more.

Italics: Floating aids.

ITALICS CAPITALS: Lightships and LANBYs.

Roman: All other lights not mentioned above.

Column 3: Approximate latitude and longitude of a navigational aid to the nearest tenth of a minute, intended to facilitate chart orientation (use column 2 and the appropriate chart for precise positioning).

Column 4: Light, buoy, RACON or RAMARK characteristic (see Characteristics of Lights chart for explanation of lights).

Column 5: Height of light in feet (Roman type) equivalent measurement (below) given in meters (Bold-faced type).

Column 6: Range. The distance, expressed in nautical miles, that a light can be seen in clear weather or that a RACON or RAMARK can be received.

Column 7: Description of the structure and its height in feet.

Note—Stripes are vertical. Bands are horizontal. The use of the term “diagonal stripes” is the exception.

Column 8: Remarks—sectors, fog signals, radar reflectors, minor lights close by, radiobeacons, storm signals, signal stations, radio direction finders, and other pertinent information.

Geographic names or their spellings do not necessarily reflect recognition of the political status of an area by the

United States Government.

The names of lights may differ from geographic names on charts.

ABBREVIATIONS

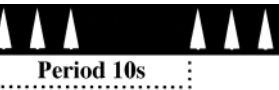
Where the lights of different countries intermingle in the list they are distinguished by the following letters:

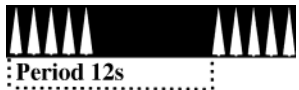
(A.)	Albania	(L.)	Liberia
(Bu.)	Bulgaria	(P.)	Portugal
(E.)	Egypt	(Ro.)	Romania
(F.)	France	(S.)	Spain
(Gr.)	Greece	(T.)	Turkey
(I.)	Italy	(U.K.)	United Kingdom

Other abbreviations:

Al.—alternating	lt.—lit
bl.—blast	Mo.—Morse code
Bu.—blue	min.—minute
Dir.—directional	obsc.—obscured
ec.—eclipsed	Oc.—occulting
ev.—every	Or.—orange
F.—fixed	Q.—quick flashing
Fl.—flashing	R.—red
fl.—flash	s.—seconds
G.—green	si.—silent
horiz.—horizontal	U.Q.—ultra quick flashing
intens.—intensified	unintens.—unintensified
I.Q.—interrupted quick flashing	vert.—vertical
Iso.—isophase	Vi.—violet
I.V.Q.—interrupted very quick flashing	vis.—visible
Km.—kilometer (0.62137 mile)	V.Q.—very quick flashing
L.Fl.—long flashing	W.—white
	Y.—yellow

CHARACTERISTICS OF LIGHTS

TYPE	ABBR.	GENERAL DESCRIPTION	ILLUSTRATION
Fixed	F.	A continuous and steady light.	
Occulting	Oc.	The total duration of light in a period is longer than the total duration of darkness and the intervals of darkness (eclipses) are usually of equal duration. Eclipse regularly repeated.	
Group occulting	Oc.(2)	An occulting light for which a group of eclipses, specified in number, is regularly repeated.	
Composite group occulting	Oc.(2+1)	A light similar to a group occulting light except that successive groups in a period have different numbers of eclipses.	
Isophase	Iso.	A light for which all durations of light and darkness are clearly equal.	
Flashing	Fl.	A light for which the total duration of light in a period is shorter than the total duration of darkness and the appearances of light (flashes) are usually of equal duration (at a rate of less than 50 flashes per minute).	
Long flashing	L.Fl.	A single flashing light for which an appearance of light of not less than 2 sec. duration (long flash) is regularly repeated.	
Group flashing	Fl.(3)	A flashing light for which a group of flashes, specified in number, is regularly repeated.	
Composite group flashing	Fl.(2+1)	A light similar to a group flashing light except that successive groups in a period have different numbers of flashes.	
Quick flashing	Q.	A light for which a flash is regularly repeated at a rate of not less than 50 flashes per minute but less than 80 flashes per minute.	
Group quick flashing	Q.(3)	A light for which a specified group of flashes is regularly repeated; flashes are repeated at a rate of not less than 50 flashes per minute but less than 80 flashes per minute.	
	Q.(9)		
	Q.(6)+L.Fl.		

TYPE	ABBR.	GENERAL DESCRIPTION	ILLUSTRATION
Interrupted quick flashing	I.Q.	A light for which the sequence of quick flashes is interrupted by regularly repeated eclipses of constant and long duration.	
Very quick flashing	V.Q.	A light for which a flash is regularly repeated at a rate of not less than 80 flashes per minute but less than 160 flashes per minute.	
Group very quick flashing	V.Q.(3)	A light for which a specified group of very quick flashes is regularly repeated.	
	V.Q.(9)		
	V.Q.(6)+L.Fl.		
Interrupted very quick flashing	I.V.Q.	A light for which the sequence of very quick flashes is interrupted by regularly repeated eclipses of constant and long duration.	
Ultra quick flashing	U.Q.	A light for which a flash is regularly repeated at a rate of not less than 160 flashes per minute.	
Interrupted ultra quick flashing	I.U.Q.	A light for which the sequence of ultra quick flashes is interrupted by regularly repeated eclipses of constant and long duration.	
Morse code	Mo.(U)	A light for which appearances of light of two clearly different durations are grouped to represent a character or characters in Morse Code.	
Fixed and flashing	F.Fl.	A light for which a fixed light is combined with a flashing light of greater luminous intensity.	
Alternating light	Al.	A light showing different colors alternately.	

NOTE - Alternating lights may be used in combined form with most of the previous types of lights.

NOMENCLATURE OF LIGHTS

Lights exhibit a distinctive appearance by which they are recognized, e.g. Fixed, Flashing, Group Flashing, etc. The properties of their appearance, by which they are distinguished, are referred to as the *characteristics* of the light. The principal characteristics are generally the sequence of intervals of light and darkness, and, in some cases, the sequence of colors of light exhibited.

Fixed lights—those which exhibit a continuous steady light.

Rhythmic lights—those which exhibit a sequence of intervals of light and eclipse (repeated at regular intervals) in a manner described in Chart No. 1 and this volume.

Alternating lights—rhythmic lights which exhibit different colors during each sequence.

Period of a light—the time occupied by an entire cycle of intervals of light(s) and eclipse(s).

Range: Meteorological visibility—the greatest distance at which a black object of suitable dimensions can be seen and recognized against the horizon sky or, in the case of night observations, could be seen and recognized if the general illumination were raised to the normal daylight level.

Luminous range of a light—the greatest distance at which a light can be seen merely as a function of its luminous intensity, the meteorological visibility, and the sensitivity of the observer's eyes.

Nominal range of the light—the luminous range of a light in a homogeneous atmosphere in which the meteorological visibility is 10 nautical miles.

Geographical range of a light—the greatest distance at which a light can be seen as a function of the curvature of the earth, the height of the light source and the height of the observer.

The visibility of a light is usually the distance that it can be seen in clear weather and is expressed in nautical miles. Visibilities listed are values received from foreign sources.

Range lights—two or more lights at different elevations, so situated to form a range (leading line) when brought into transit. The light nearest the observer is the *front light* and the one farthest from the observer is the *rear light*. The front light is normally at a lower elevation than the rear light.

Directional lights—lights illuminating a sector of very narrow angle and intended to mark a direction to be followed.

Vertical lights—Two or more lights disposed vertically or geometrically to form a triangle, square, or other figure. If the individual lights serve different purposes, those of lesser importance are called *Auxiliary lights*.

Occasional lights—lights exhibited only when specially

needed:

(a) *Tidal light*—shown at the entrance of a harbor, to indicate tide and tidal current conditions within the harbor.

(b) *Fishing light*—for the use of fishermen and shown when required.

(c) *Private light*—maintained by a private authority for its own purposes. The mariner should exercise special caution when using a private light for general navigation.

Seasonal lights—usually shown only during the navigation season or for a lesser time period within that season.

Articulated lights—offshore aids to navigation consisting of a length of pipe attached directly to a sinker by means of a pivot or such other device employing the principle of the universal joint. The positional integrity is intermediary between that of a buoy and a fixed aid.

Aeronautical lights—lights of high intensity which may be the first lights observed at night from vessels approaching the coast. Those lights situated near the coast are listed in the List of Lights in order that the navigator may be able to obtain more information concerning their description.

These lights are not designed or maintained for marine navigation and they are subject to change without prompt notification.

These lights are indicated in this List by the designation AVIATION LIGHT and are placed in geographical sequence in the body of the text along with lights for surface navigation.

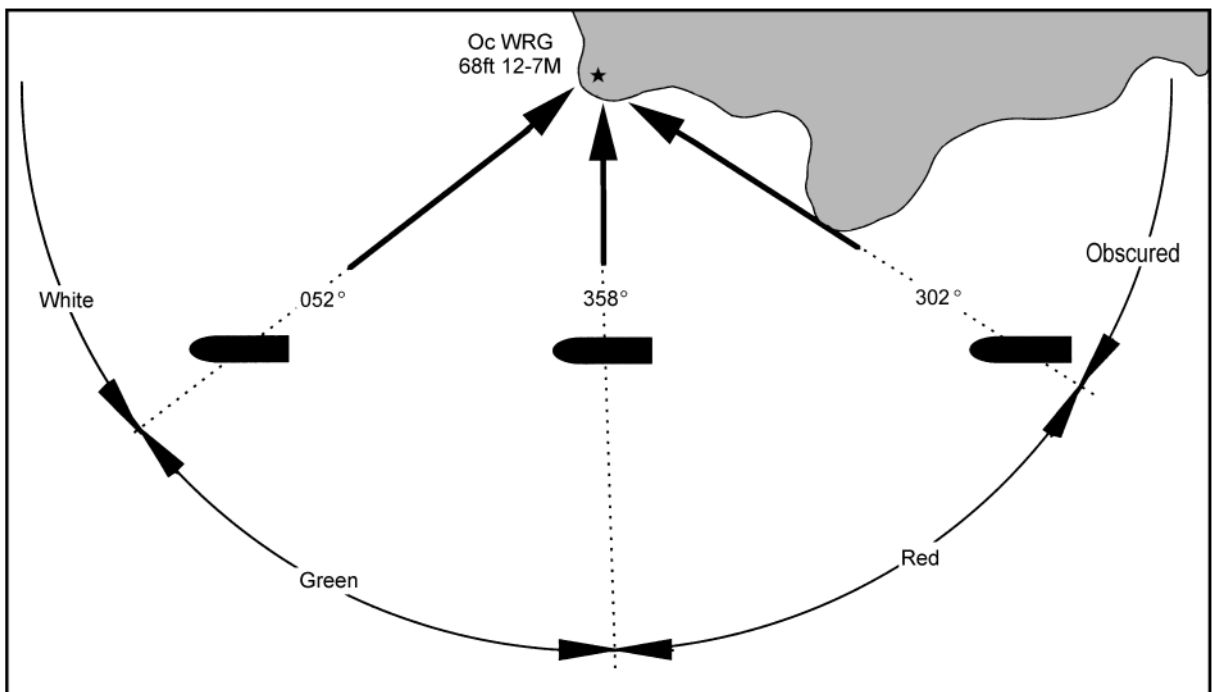
Aeromarine lights—marine-type lights for which part of the beam is deflected to an angle of 10 to 15 degrees above the horizon to facilitate use by aircraft.

Sector limits and arcs of visibility—these are arranged clockwise and are given from seaward toward the light. Thus, in the diagram, the sectors of the light are defined as: obscured from shore to 302°, red to 358°, green to 052°, white to shore. These are bearings of the light as seen from a vessel crossing the sector lines.

Under some conditions of the atmosphere, white lights may have a reddish hue. The mariner should not judge solely by color where there are sectors but should verify this position by taking a bearing of the light. On either side of the line of demarcation between white and red there is always a small sector of uncertain color, as the edges of a sector of visibility cannot be clearly defined.

When a light is obscured by adjoining land and the arc of visibility is given, the bearing on which the light disappears may vary with the distance from which it is observed. When the light is cut off by a sloping point of land or hill, the light may be seen over a wider arc by a ship farther off than by one closer.

Bearings—all bearings are true, measured clockwise from 000°, and given in degrees or degrees and minutes.



LIGHTSHIPS, SUPERBUOYS, AND OFFSHORE LIGHT STATIONS

Courses should be set to pass all floating aids to navigation with sufficient clearance to avoid the possibility of collision from any cause. Experience shows that floating aids to navigation cannot be safely used as leading marks to be passed close aboard, but should always be left broad off the course, whenever searoom permits.

When approaching a lightship, superbuoy, or a station on a submarine site on radio bearings, the risk of collision will be avoided by insuring that the radio bearing does not remain constant.

Most lightships and large buoys are anchored with a very long scope of chain and, as a result, the radius of their swinging circle is considerable. The charted position is the location of the anchor. Furthermore, under certain conditions of wind and current, they are subject to sudden and unexpected sheers which are certain to hazard a vessel attempting to pass close aboard.

During extremely heavy weather and due to their exposed locations, lightships may be carried off station. The mariner should, therefore, not implicitly rely on a lightship maintaining its precisely charted position during and immediately following severe storms. A lightship known to be off station will secure her light, fog signal, and radiobeacon and fly the International Code signal "LO" signifying "I am not in my correct position."

Russian lightships are on station during periods of navigation and leave their stations only when forced to because of ice and are then replaced as soon as possible. Lightships by day show a ball over a yellow flag with a blue St. George's cross. If a vessel is seen standing into danger the signal "NF" of the International Code of Signals is hoisted, and if not immediately seen, rockets with two explosions and bright stars may be fired every minute: by night the rockets only are used.

When not on their proper stations, the light vessels discontinue their characteristic lights and fog signals and, if possible, will lower their daymarks. They will show instead two black balls, one forward and one aft, or two red lights, one forward and one aft. In addition they will hoist the International Code signal "LO" or will show a

red and a white flare-up light or flash simultaneously at least every 15 minutes.

Red flags in place of the black balls and red and a white light shown simultaneously may be used in place of the flare-up light or flash.

A lightship under way shows the same lights and makes the same sound signals as other vessels under way and, if preceding under its own power, hoists two black balls, one forward and one aft.

Relief lightships are painted red, with two masts. By day they display a red ball at each mast, and by night exhibit a fixed red light from the same positions. Fog signals are sounded and the warning signals described above are employed.

Fog bells at *Russian* lighthouses and lightships are sounded, unless stated otherwise, in the following uniform manner:

(a) at lighthouses: in groups of double strokes, the interval between the groups being not more than 3 minutes.

(b) at lightships: in groups of triple strokes, the interval between the groups being not more than 2 minutes.

When the fog signal of an approaching vessel is heard, the intervals between the double and triple strokes in the groups are reduced and the bell is sounded continuously in double or triple strokes until the vessel is past the light or clear of danger.

Due to a lack of information it is not possible to ensure that the details of navigational aids are correct.

In *France*, *Lebanon* and *Tunisia* lights may be shown by day in poor visibility.

In *Spain* and *Morocco* lights are shown from 15 minutes after sunset until 15 minutes before sunrise.

Oil rigs in *Angolan* waters marked by Mo(U) W 18s Siren 20s are moored inside the 600 fathom contour. Such lights are not included in this list.

It has been reported that the lights of *Guinea* and *Liberia* are unreliable.

FOG SIGNALS

The function of a fog signal in the system of aids to navigation is to warn of danger and to provide the mariner with an audible means of approximating his position relative to the fog signal when the station, or any visual signal which it displays, is obscured from view by atmospheric conditions.

Fog signals depend upon the transmission of sound through air. As aids to navigation, they have certain inherent defects that should be considered. Sound travels through the air in a variable and frequently unpredictable manner.

It has been established that:

fog signals are heard at greatly varying distances and that the distance at which a fog signal can be heard may vary with the bearing of the signal and may be different on different occasions;

under certain conditions of atmosphere, when a fog signal has a combination of high and low tones, it is not unusual for one of the tones to be inaudible. In the case of sirens, which produce a varying tone, portions of the blast may not be heard;

there are occasionally areas close to the signal in which it is wholly inaudible. This is particularly true when the fog signal is screened by intervening land or other obstruction;

fog may exist a short distance from a station and not be observable from it, so that the signal may not be in operation;

even though a fog signal may not be heard from the deck or bridge of a ship when the engines are in motion, it may be heard when the ship is stopped, or from a quiet position. Sometimes it may be heard from aloft though not on deck;

the intensity of the sound emitted by a fog signal may be greater at a distance than in immediate proximity.

All these considerations point to the necessity for the utmost caution when navigating near land in fog. Particular attention should be given to placing lookouts in positions in which the noises in the ship are least likely to interfere with hearing a fog signal. Fog signals are valuable as warnings, but the mariner should not place implicit reliance upon them in navigating his vessel. They should be considered solely as warning devices.

Among the devices in common use as fog signals are:

Radiobeacons which broadcast simple dot-and-dash combinations by means of a transmitter emitting modulated continuous waves;

Diaphones which produce sound by means of a slotted reciprocating piston actuated by compressed air. Blasts

may consist of two tones of different pitch, in which case the first part of the blast is high and the last of a low pitch. These alternate pitch signals are called "two-tone;"

Diaphragm horns which produce sound by means of a diaphragm vibrated by compressed air, steam, or electricity. Duplex or triplex horn units of differing pitch produce a chime signal;

Nautophones, electrically operated instruments, each comprising a vibrating diaphragm, fitted with a horn, which emits a high note similar in power and tone to that of the reed;

Reed horns which produce sound by means of a steel reed vibrator by compressed air;

Sirens which produce sound by means of either a disk or a cup-shaped rotor actuated by compressed air or electricity;

Whistles which produce sound by compressed air emitted through a circumferential slot into a cylindrical bell chamber;

Bells which are sounded by means of a hammer actuated by hand, wave motion, by a descending weight, compressed gas, or electricity;

Guns and explosive signals which are produced by firing of explosive charges, the former being discharged from a gun, and the latter being exploded in midair;

Fog Detector Lights—certain light stations, in addition to the main light, are equipped with fog detector lights for automatic detection of fog. These lights sweep back and forth through an area over which the fog watch is necessary, showing a powerful bluish-white flash of about 1 second in duration. The interval between successive flashes will vary with the position of the vessel within the sector. At the limits of the sector the duration of the flash may be considerably longer than 1 second.

Fog detector lights operate continuously.

Standby fog signals are sounded at some of the light and fog signal stations when the main fog signal is inoperative. Some of these standby fog signals are of a different type and characteristic than the main fog signal.

Radiobeacons, RACONs, RAMARKs, and radio direction-finders are mentioned in the List of Lights, but for detailed information, including the synchronization of radio signals and sound signals for distance finding, the navigator should consult Pub. 117, Radio Navigational Aids.

Note—use Chart No. 1 for the complete list of symbols and abbreviations commonly used in presenting the essential characteristics of lights, fog signals, and radio aids found on charts.

VISIBILITY TABLE

Table of distances at which objects can be seen at sea according to their respective elevations and the elevation of the eye of the observer.

Height in Feet	Distance in geographic or nautical miles	Height in feet	Distance in geographic or nautical miles	Height in feet	Distance in geographic or nautical miles	Height in feet	Distance in geographic or nautical miles	Height in feet	Distance in geographic or nautical miles	Height in feet	Distance in geographic or nautical miles
1	1.2	23	5.6	45	7.8	135	13.6	340	21.6	600	28.7
2	1.7	24	5.7	46	7.9	140	13.8	350	21.9	620	29.1
3	2.0	25	5.9	47	8.0	145	14.1	360	22.2	640	29.5
4	2.3	26	6.0	48	8.1	150	14.3	370	22.5	660	30.1
5	2.6	27	6.1	49	8.2	160	14.8	380	22.8	680	30.5
6	2.9	28	6.2	50	8.3	170	15.3	390	23.1	700	31.0
7	3.1	29	6.3	55	8.7	180	15.7	400	23.4	720	31.4
8	3.3	30	6.4	60	9.1	190	16.1	410	23.7	740	31.8
9	3.5	31	6.5	65	9.4	200	16.5	420	24.0	760	32.3
10	3.7	32	6.6	70	9.8	210	17.0	430	24.3	780	32.7
11	3.9	33	6.7	75	10.1	220	17.4	440	24.5	800	33.1
12	4.1	34	6.8	80	10.5	230	17.7	450	24.8	820	33.5
13	4.2	35	6.9	85	10.8	240	18.1	460	25.1	840	33.9
14	4.4	36	7.0	90	11.1	250	18.5	470	25.4	860	34.3
15	4.5	37	7.1	95	11.4	260	18.9	480	25.6	880	34.7
16	4.7	38	7.2	100	11.7	270	19.2	490	25.9	900	35.1
17	4.8	39	7.3	105	12.0	280	19.6	500	26.2	920	35.5
18	5.0	40	7.4	110	12.3	290	19.9	520	26.7	940	35.9
19	5.1	41	7.5	115	12.5	300	20.3	540	27.2	960	36.3
20	5.2	42	7.6	120	12.8	310	20.6	560	27.7	980	36.6
21	5.4	43	7.7	125	13.1	320	20.9	580	28.2	1000	37.0
22	5.5	44	7.8	130	13.3	330	21.3				

Explanation.—The line of sight connecting the observer and a distant object is at maximum length tangent with the spherical surface of the sea. It is from this point of tangency that the tabular distances are calculated. The table must accordingly be entered twice to obtain the actual geographic visibility of the object—first with the height of the object, and second with the height of the observer's eye—and the two figures so obtained must be added. Thus, if it is desired to find the maximum distance

at which a powerful light may be seen from the bridge of a vessel where the height of eye of the observer is 55 feet above the sea, from the table:

	Nautical Miles
55 feet height of observer(visible)	8.7
200 feet height of light(visible)	<u>16.5</u>
Distance visible	25.2

CONVERSION TABLE — FEET TO WHOLE METERS

(FOR HEIGHTS OF LIGHTS)

1 foot = 0.3048 meter

Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
		40	12	80	24	120	37	160	49	200	61
1	0	41	12	81	25	121	37	161	49	300	91
2	1	42	13	82	25	122	37	162	49	400	122
3	1	43	13	83	25	123	37	163	50	500	152
4	1	44	13	84	26	124	38	164	50	600	183
5	2	45	14	85	26	125	38	165	50	700	213
6	2	46	14	86	26	126	38	166	51	800	244
7	2	47	14	87	27	127	39	167	51	900	274
8	2	48	15	88	27	128	39	168	51	1000	305
9	3	49	15	89	27	129	39	169	52		
10	3	50	15	90	27	130	40	170	52		
11	3	51	16	91	28	131	40	171	52		
12	4	52	16	92	28	132	40	172	52		
13	4	53	16	93	28	133	41	173	53		
14	4	54	16	94	29	134	41	174	53		
15	5	55	17	95	29	135	41	175	53		
16	5	56	17	96	29	136	41	176	54		
17	5	57	17	97	30	137	42	177	54		
18	5	58	18	98	30	138	42	178	54		
19	6	59	18	99	30	139	42	179	55		
20	6	60	18	100	30	140	43	180	55		
21	6	61	19	101	31	141	43	181	55		
22	7	62	19	102	31	142	43	182	55		
23	7	63	19	103	31	143	44	183	56		
24	7	64	20	104	32	144	44	184	56		
25	8	65	20	105	32	145	44	185	56		
26	8	66	20	106	32	146	45	186	57		
27	8	67	20	107	33	147	45	187	57		
28	9	68	21	108	33	148	45	188	57		
29	9	69	21	109	33	149	45	189	58		
30	9	70	21	110	34	150	46	190	58		
31	9	71	22	111	34	151	46	191	58		
32	10	72	22	112	34	152	46	192	59		
33	10	73	22	113	34	153	47	193	59		
34	10	74	23	114	35	154	47	194	59		
35	11	75	23	115	35	155	47	195	59		
36	11	76	23	116	35	156	48	196	60		
37	11	77	23	117	36	157	48	197	60		
38	12	78	24	118	36	158	48	198	60		
39	12	79	24	119	36	159	48	199	61		

RADIOBEACONS

RADIO DIRECTION-FINDER SETS ON SHIPS

Radio direction-finder sets on board ship enable bearings to be taken of transmissions from other ships, aircraft, shore stations, marine radiobeacons, and the coastal stations of the radio communication network. When located in the pilothouse or on the navigating bridge, the direction-finder enables the navigating officer to obtain bearings himself without reference to others and without delay.

Due to the great value of radio bearings, particularly when visibility is poor and when celestial observations cannot be obtained, the radio direction-finder on board ship deserves the same consideration and care as are given to the sextant and compass. It has the following characteristics in common with the two latter navigational instruments: the readings are subject to certain errors; these errors may be reduced by skillful and intelligent operation; the dangers of using erroneous readings may be greatly reduced by the intelligence and good judgment of the mariner. In order to acquire experienced judgment in the operation of the instrument, it is essential that the mariner use it as much as practicable.

Troubles from interference and weak signals are greatly reduced by the use of direction-finders of proper selectivity. The bearings must be corrected for radio deviation as shown by the calibration curve of the set.

Types of Radiobeacons

1. Directional radiobeacons which transmit radio waves in beams along fixed bearings.

2. Rotating radiobeacons by which a beam of radio waves is resolved in azimuth in a manner similar to the beam of light sent out by rotating lights.

3. Circular radiobeacons which send out waves of approximately uniform strength in all directions so that ships may take radio bearings of them by means of the ship's radio direction-finder sets. This is the most common type of radiobeacon.

To extend the usefulness of marine radiobeacons to ships and aircraft employing automatic radio direction finders, U.S. marine radiobeacons on the Atlantic and Pacific Coasts and Great Lakes have been modified to transmit a continuous carrier signal during the entire radiobeacon operating period with keyed modulation providing the characteristic signal. Unless a beat frequency oscillator is installed, the continuous carrier signals are not audible to the operator of an aural null direction finder. A ten second dash has been included in the characteristic of these radiobeacons, to enable the navigator using a conventional aural null direction finder to refine his bearing. Vessels with direction finders will be able to use the United States

radiobeacons located on the Atlantic and Pacific Coasts, and Great Lakes at any time in their assigned sequence.

Aeronautical Radio Aids

Aeronautical radiobeacons and radio ranges are often used by navigators of marine craft in the same manner as marine radiobeacons are used for determining lines of positions. They are particularly useful along coasts where marine broadcast coverage is inadequate. Aeronautical aids situated inland become less trustworthy, so far as ships are concerned, when high land intervenes between them and the coast. They are established to be of primary usefulness to aircraft, and surface craft should use these aids with caution. Only those aeronautical radiobeacons considered to be of use to the mariner have been selected for inclusion in this publication.

AERONAUTICAL RADIOBEACONS. Like marine radiobeacons, these aids broadcast a characteristic signal on a fixed frequency.

NOTE: The assigned frequency of aeronautical radiobeacons is normally from 200 to 415 kHz while the frequency of marine radiobeacons is normally from 285 to 325 kHz. Aeronautical radiobeacons not within the marine radiobeacon band will not normally be listed in this publication.

The range signals are interrupted at intervals to permit broadcast of the identification signal. In aviation publications the range leg bearings are most often given as magnetic bearings toward the station; in this publication they are given as true bearings toward the station. Unless otherwise stated in the station details, aeronautical radio aids mentioned in this publication transmit continuously.

NOTE: Mariners are advised that changes to and deficiencies in aeronautical radio facilities are not always immediately available to maritime interests and the positions are approximate and listed to the nearest minute only.

Obligations of Administrations Operating Radiobeacons

The obligations of nations and other administrations operating radiobeacons are given in Article 43 of the Radio Regulations of the International Telecommunication Union, Geneva.

Accuracy of Bearings Taken Aboard Ship

No exact rules can be given as to the accuracy to be expected in radio bearings taken by a ship as the accuracy depends to a large extent upon the skill of the ship's operator, the condition of the ship's equipment, and the accu-

racy of the ship's calibration curve. Mariners are urged to obtain this information by taking frequent radio bearings when their ship's position is accurately known and by recording the results. Normally, United States radiobeacons are operated in a group of six, each station in a group using the same frequency and transmitting for one minute in its proper sequence, and operate during all periods, either sequenced or continuously, regardless of weather conditions.

SKILL OF OPERATOR: Skill in the operation of the radio direction-finder can be obtained only by practice and by observing the technical instructions for the set in question. For these reasons the operator should carefully study the instructions issued with the set and should practice taking bearings frequently.

OPERATOR'S ERROR: As the operator obtains bearings by revolving the direction-finder coil until the signal disappears or becomes a minimum, the operator can tell by the size of the arc of silence or of minimum strength approximately how accurately the bearing has been taken. For instance, if the minimum is broad and the residual signal covers about 10° with equal strength, it is doubtful if the bearing can be accurately estimated. On the other hand, if a sharp minimum can be obtained, the operator can determine the bearing to within a half of a degree.

In this connection it should be noted that a properly operating and correctly adjusted direction-finder should in no case produce other than a point or arc of absolute silence. That is, there should be no "residual" signal at the point or arc of observation. The sharpness and completeness of the arc of silence are the best indications of a properly operating direction-finder, and their absence is the best indication of the presence of "night effect."

SUNRISE, SUNSET, OR NIGHT EFFECT: Bearings obtained from about half an hour before sunset to about half an hour after sunrise may be subject to errors due to night effect. On some nights this effect is more pronounced than on others and effect is usually greatest during the hours of twilight. Night effect may be detected by a broadening of the arc of minimum signals and by a fluctuation in the strength of the signals. It may also be indicated by difficulty in obtaining a minimum or by a rapidly shifting minimum. It is sometimes accompanied by an actual shift in the direction of the bearings. If it is essential to obtain a bearing when the night effect is pronounced, several bearings should be taken over a short period of time and an average taken of them.

RADIO DIRECTION FINDER WITHOUT GYRO REPEATERS: The ship's compass must be read as the bearing is taken or an error may be introduced equal to the amount that the ship has yawed in the interval between taking the bearing and reading the compass. Any error in the ship's compass must be applied to the bearing.

RECIPROCAL BEARINGS: In some direction-finder sets, the operator cannot tell from which side of the ship the signals are coming. With these sets the operator shall correct both bearings for their respective deviations and give both corrected bearings to the person who is plotting the bearings on the chart. If the mariner is in doubt as to the side of the ship from which the bearings are coming, this difficulty can usually be solved by having another bearing taken after the ship has steamed a short distance and noting in which direction the bearing is changing.

CALIBRATION: It is essential that the radio direction-finder be accurately calibrated in order that the bearings may be corrected for deviation. While the bearings are being taken, other radio antennas on board must be in the same condition as they were when the calibration was made; movable parts of the ship's superstructure such as booms, davits, wire rigging, etc., must be secured in the positions which they occupied when the direction-finder was calibrated. Unusual cargoes such as large quantities of metals and extraordinary conditions of loading may cause errors.

The direction-finder should be recalibrated after any changes have been made in the set or its surroundings (this includes alterations to or changes in position of antennas, wire rigging, boat davits, booms, etc.) whenever there is reason to believe that the previous calibration has become inaccurate, and also at periodic intervals.

The calibration must be made on approximately the same frequency or frequencies as will be used to take bearings because the deviation for several frequencies is not likely to be the same. It is believed that one calibration curve is satisfactory for the normal radiobeacon frequency (285 to 325 kHz), but the instructions issued by the manufacturer of the particular direction-finder in question should be studied in this connection.

To facilitate the calibration of ship's direction-finders, special arrangements have been made by some services for operation of their radiobeacons at times other than their published schedules. Information as to the arrangements made by the United States stations in this respect is as follows:

Sequenced radiobeacons cannot broadcast at any time other than on their assigned operating minute for the purpose of enabling vessels to calibrate their radio direction finders without causing interference. Special radio direction finder calibration transmitters of short range are operated at certain localities to provide continuous calibration service.

The position given for the antenna is the point from which the radiobeacon signal is emitted.

If it is not practicable to determine the time of calibration sufficiently in advance to contact the district commander, request may be made directly to the stations by means of telephone, telegraph, or a whistle signal consisting of three long blasts; followed by three short blasts.

This whistle signal is to be repeated until it is acknowledged by the station through the starting of the transmitter. The same group of signals should be sounded at the termination of calibration.

The work of the station personnel is not confined to standing watch and there may be times when the whistle request for calibration is not immediately heard, due to the noise from operating station machinery, etc. Usually, a repeated signal not too far from the station will attract attention.

“COMPENSATED” RADIO DIRECTION-FINDERS: Many radio direction-finders are “compensated” and no calibration chart or curve is used. Attention is invited to the fact that such compensation is just as vulnerable as the calibration data due to changes made in the set or its surroundings.

CHECK THE CALIBRATION: The calibration of compensation should be checked frequently by taking bearings when the ship’s position is accurately known and the results should be recorded for future reference.

CALIBRATION RADIOBEACONS: In the United States and certain other areas special radiobeacons, primarily for calibrating shipboard direction-finders are in operation. These radiobeacons transmit either continuously during scheduled hours or upon request, as indicated in station details.

COASTAL REFRACTION (OR LAND EFFECT): Errors may occur in bearings taken by ships so located that the line of observation to the radiobeacon passes over land or along the shore line. However, many observations seem to indicate that such errors are negligible when the observing vessel is well out from the shore. Bearings secured entirely over water areas are to be preferred since “land effect” is thus eliminated. Bearings taken at sunset and sunrise are likely to be erratic, and observations taken at these hours should therefore be repeated and checked as may be feasible.

PROGRAM BROADCASTING STATIONS: Before taking bearings on a station broadcasting entertainment programs a mariner should consider that frequency may differ widely from the frequency for which the set is calibrated, that the published location of the station may be that of its studio and not that of its transmitting antenna, that if the station is synchronized with other stations it may be impossible to tell on which station the bearing was taken, and that as the majority of these stations are inland, the coastal refraction may be excessive.

Station Details

FREQUENCY: The frequency listed is that used by the station in transmitting its “Characteristic Signal.” Calling frequencies, if any, will be given under “remarks.”

RANGE: In this book the range of radiobeacons is only approximate and is given merely to assist mariners in

planning their voyages and to inform them of several radiobeacons they will probably hear first. Frequently, when conditions for radio reception are good, radiobeacons may be heard at greater distances than indicated. The mariner who is at a greater distance than the range indicated should attempt to obtain bearings when necessary, and not assume that the radiobeacon will be unheard beyond its indicated range.

GROUP SEQUENCE: Selected radiobeacons are grouped together on the same operating frequency and are assigned a specific sequence of transmission within this group. This reduces station interference and unnecessary returning.

ANTENNA LEAD-IN: Included in the details of many radiobeacons located at or near light stations is a statement of the distance and bearing of the radiobeacon transmitting antenna from the light tower. Use should be made of this information when calibrating the ship’s direction-finding equipment by means of simultaneous visual and radio bearings.

Plotting Radio Bearings

The procedure for converting radio (great circle) bearings as received by direction-finder equipment aboard ship is identical with that used in converting radio bearings supplied by direction-finder stations on shore and is described in section 100E “Plotting Radio Bearings” of Pub. 117, Radio Navigational Aids.

Synchronization for Distance Finding

At some radiobeacon stations, sound signals, either submarine or air or both, are synchronized with the radiobeacon signals for distance finding. Ordinarily, the sound signals do not operate during the transmission period of the radio signal in clear weather. The methods in use employ, as a rule, distinctive signals to indicate the point of synchronization, and make use, for determining distance, of the lag of signals traveling through air or water as compared to the practically instantaneous travel of the radio signals.

In the case of some sound signals, a series of short radio dashes is transmitted at intervals following the synchronizing point, so that by counting the number of such short dashes heard after the distinctive radio signal and before hearing the corresponding distinctive sound signal, the observer obtains the distance, in miles equal to the number of dashes counted, from the sound signal apparatus unless stated otherwise.

In the case of other signals, the observer notes the number of seconds intervening between the reception of the distinctive radio signal and the corresponding sound signal and uses a factor to determine distances in miles as follows:

Submarine signals—multiply the observed numbers of seconds by 0.8 or divide by 1.25 distance in nautical miles.

Air signals—multiply the observed number of seconds by 0.18 or divide by 5.5. For more approximate results or for statute miles, multiply the observed number of seconds by 0.2 or divide by 5.

Tables for finding distance

Interval in seconds	Distances in nautical miles from sound signal source	
	Air	Submarine
1	0.18	0.8
2	0.36	1.6
3	0.54	2.4
4	0.72	3.2
5	0.90	4.0
6	1.08	4.8
7	1.26	5.6
8	1.44	6.4
9	1.62	7.2
10	1.80	8.0
20	3.60	16.0
30	5.40	24.0
40	7.20	
50	9.00	
60	10.80	

REMARKS: Average speed of sound travel in water is 1 nautical mile in 1 1/4 seconds.

The speed of sound travel is influenced by a number of conditions making it impracticable to state a factor that will give exact results under all conditions. The results obtained by the methods described may be accepted as being accurate to within 10 percent of the distance.

Methods of synchronizing the signals vary and are described or illustrated in official announcements regarding them. It is essential to note carefully the point of synchronization used so that no error will be made through taking time on the wrong signal or the wrong part of it.

In observing air signals it is usually sufficient to use a watch with second hand, although a stop watch is helpful. For submarine signals where the interval is shorter and a time error correspondingly more important, it is essential that a stop watch or other timing device be used. Where the radiobeacon and submarine signals are not received at the same point on the vessel, means of instant communication between two observers should be available or synchronized stop watches provided for each.

Ships not equipped with a DF receiver can take advantage of the distance-finding feature of a radiobeacon station, if equipped with a radio receiver capable of receiving

the transmission. In the case of obtaining distance from a radiobeacon station which is synchronized with a submarine sound signal, the ship must also be equipped with a device for picking up submarine sound signals.

Rotating Loop Radiobeacon

MODE OF OPERATION:

(1) The radiobeacon consists of a rotating loop transmitter having directional properties by which an observer in a ship can obtain his bearing from the beacon without the use of a direction-finder. Any ordinary receiving set capable of being tuned to the radiobeacon's frequency may be used. The only other equipment required is a reliable stop watch or chronograph with a sweep second hand. Stop watches and clocks with dials graduated in degrees may be used, from which bearings may be read directly without any mathematical calculation.

(2) During each revolution of the beacon, the signals received by the observer will rise and fall in intensity, passing through a maximum and a minimum twice each minute. The positions of minimum intensity, which occur at intervals of thirty seconds from one another, are very sharp and can be accurately observed. These are, therefore, used for navigation purposes.

The beacon may be regarded as having a line or beam of minimum intensity which rotates at a uniform speed of 360° in 1 minute (i.e. 6° in 1 second) based on the true meridian as starting point. Therefore, if the observer can (a) identify the beacon and (b) measure the number of seconds which this minimum beam takes to reach their position starting from the true meridian, this number multiplied by six will give their true bearing from the beacon or its reciprocal.

The signals which enable the beacon to be identified and the bearing to be calculated are described in the following paragraphs:

Signals transmitted by the beacon: Each transmission from the beacon lasts for 4 minutes; the beacon is then silent for 8 minutes, and automatically starts again at the end of the silent period. Each transmission consists of two parts: (a) the identification signal of the station set at a slow speed for the first minute, commencing when the minimum beam is true east and west and followed by a long dash of about 12 seconds duration; (b) the signal group commencing when the minimum beam is approaching the true meridian, and consisting of (i) the north starting signal, which is the letter V followed by two dots (•• — ••); (ii) a long dash of about 12 seconds duration; (iii) the east starting signal, which is the letter B followed by two dots (— •• ••); and (iv) a long dash for about 42 seconds.

The navigation signals are repeated during the remainder of the transmission and signals cease when the minimum beam is in the east and west position.

INSTRUCTIONS FOR TAKING BEARINGS

- (i) Set stop watch to zero.
- (ii) Listen for identification signal.
- (iii) When the first long dash begins (at A on diagram) get ready for the "north signal."
- (iv) After the "north signal," start stop watch exactly at beginning of long dash (see "00 seconds" on diagram) counting one-two with the two preceding dots, and 3 for the start of the stop watch.
- (v) Listen for minimum and note its exact time by stop watch.

NOTE: If stop watch is graduated in degrees note exact angle, which is the bearing.

- (vi) Multiply number of seconds by 6° for bearing.
- (vii) Determine whether bearing is direct or reciprocal.
- (viii) If the "north signal" is faint, use the "east signal," but add 090° to final bearing.

Particular attention is directed to the following:

- (a) The stop watch must be started exactly at the beginning of the long dash for each series of observations.
- (b) The time of occurrence of the minimum must be read to the nearest fifth of a second.
- (c) The bearing obtained will be either the direct bearing or its reciprocal.
- (d) When using the east signal, add 090° to obtain bearings from true north.
- (e) The beacon is set up on the true meridian, and no correction is required for magnetic variation.
- (f) No quadrantal error arises, and no corrections are necessary except as in (c) and (d) above.

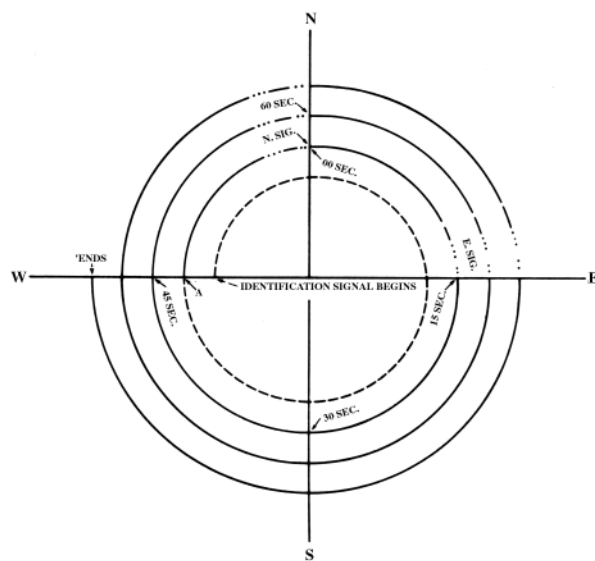
(A correction must, of course, be made for convergency; this should be applied as if the beacon were a shore radio direction-finder station.)

(g) A comparatively large error of bearing may occur due to inaccuracy in the stop watch, and to obviate this,

observers or navigators should check their stop watches on the beacon station before taking bearings. This can easily be done by checking the time by stop watch of the complete revolution of the beacon transmission. Any error found can then be allowed for.

Caution

Due to the many factors which enter into the transmission and reception of radio signals, a mariner cannot practically estimate its distance from a radiobeacon either by the strength of the signals received or by the time at which the signals were first heard. Mariners should give this fact careful consideration in approaching radiobeacons. A diagram showing the signals used is given below.



ROTATING RADIOBEACON
SIGNAL DIAGRAM

DESCRIPTION

(Radiobeacons)

Information is tabulated in eight columns as follows:

column 1: The number assigned to each radiobeacon by this Agency.

column 2: Name and/or descriptive location of the radiobeacon.

column 3: Approximate latitude and longitude of the radiobeacon to the nearest tenth of a minute.

column 4: Radiobeacon characteristics. Included in this column are the Morse code, period in seconds, length of transmission and silence time.

column 5: Range (approximate) in nautical miles.

column 6: Group sequence. Selected radiobeacons are grouped together on the same operating frequency and are assigned a specific sequence of transmission within this group. This reduces station interference and unnecessary return.

column 7: Frequency (given in kilohertz) and amplitude modulation (see Table Symbols).

column 8: Remarks. Transmission synchronization, type of radiobeacon (marine, aero, etc.), calibration, antenna lead-in, calling frequencies, distance-finding information, service charges, hours of transmission, directional signals and other pertinent information.

ABBREVIATIONS

aero aeronautical
tr transmission
si silence
s seconds
(4) 4 times
Transmission is continuous unless otherwise stated.

TABLE OF SYMBOLS

LEGEND

- (1) Type of modulation of the main carrier.
- (2) Nature of signal(s) modulating the main carrier.
- (3) Type of “information” to be transmitted. “Information” does not include information of a constant, unvarying nature such as provided by standard frequency emissions, continuous wave and pulse radars, etc.

AMPLITUDE MODULATION:

N0N

- (1) Emission of an unmodulated carrier.
- (2) No modulating signal.
- (3) No information transmitted.

A1A

- (1) Double-sideband.
- (2) Single channel containing quantized or digital information without the use of a modulating subcarrier.
- (3) Telegraphy (for aural reception).

A2A

- (1) Double-sideband.
- (2) Single channel containing quantized or digital information with the use of a modulating subcarrier.
- (3) Telegraphy (for aural reception).

A3E

- (1) Double-sideband.
- (2) Single channel containing analog information.
- (3) Telephony (including sound broadcasting).

R3E

- (1) Single-sideband (reduced or variable level carrier).
- (2) Single channel containing analog information.
- (3) Telephony (including sound broadcasting).

B8E

- (1) Independent sidebands.
- (2) Two or more channels containing analog information.
- (3) Telephony (including sound broadcasting).

H2A

- (1) Single-sideband (full carrier).
- (2) Single channel containing quantized or digital information with the use of a modulating subcarrier.
- (3) Telegraphy (for aural reception).

H3E

- (1) Single-sideband (full carrier).
- (2) Single channel containing analog information.
- (3) Telephony (including sound broadcasting).

J3E

- (1) Single-sideband (suppressed carrier).
- (2) Single channel containing analog information.
- (3) Telephony (including sound broadcasting).

A3C

- (1) Double-sideband.
- (2) Single channel containing analog information.
- (3) Facsimile.

A3F

- (1) Double-sideband.
- (2) Single channel containing analog information.
- (3) Television (video).

B7D

- (1) Independent sidebands.
- (2) Two or more channels containing quantized or digital information.
- (3) Data transmissions, telemetry, telecommand.

Note: With 6 kHz. EDW operation in the bands below 30 MHz allocated exclusively for Maritime Mobile Service (FC, MO).

FREQUENCY (OR PHASE) MODULATION:**F1B**

- (1) Frequency modulation.
- (2) Single channel containing quantized or digital information without the use of a modulating subcarrier.
- (3) Telegraphy (for automatic reception).

F2A

- (1) Frequency modulation.
- (2) Single channel containing quantized or digital information with the use of a modulating subcarrier.
- (3) Telegraphy (for aural reception).

F3E

- (1) Frequency modulation.
- (2) Single channel containing analog information.
- (3) Telephony (including sound broadcasting).

F3C

- (1) Frequency modulation.
- (2) Single channel containing analog information.
- (3) Facsimile.

F3F

- (1) Frequency modulation.
- (2) Single channel containing analog information.
- (3) Television (video).

P1B

- (1) Sequence of unmodulated pulses.
- (2) Single channel containing quantized or digital information without the use of a modulating subcarrier.
- (3) Telegraphy (for automatic reception).

Pulse Modulation:

GHz = gigahertz

kHz = kilohertz

MHz = megahertz

DIFFERENTIAL GLOBAL POSITIONING SYSTEM (DGPS)

Differential Global Positioning System (DGPS) is a radio-based navigation system that eliminates errors in a GPS receiver that will allow the accuracy level to be significantly enhanced. DGPS accuracy can be 10 meters or better, compared with 100 meters or better with GPS. This is possible by placing a high-performance GPS receiver (reference station) at a known location. Because the receiver knows its exact location, it can determine the errors in the satellite signals. The satellite measures the ranges to each satellite using the signals received and comparing these measured ranges to the actual ranges calculated from its known position. The total error is the difference between the measured and calculated range. The error data for each tracked satellite is formatted into a correction message and transmitted to GPS users. The correction message format follows the standard established by the Radio Technical Commission for Maritime Services, Special Committee 104 (RTCM-SC104). These differential corrections are then applied to the GPS calculations, thus removing most of the satellite signal error and improving accuracy.

Terms for understanding DGPS:

DGPS Correction Receiver

A DGPS correction receiver decodes the signals received from a reference site. Data is formatted into a serial RTCM SC104 data stream and provided to the remote GPS receiver. There are many types of DGPS correction receivers.

GPS Receivers

The GPS receiver measures ranges to each satellite, but before the measurements are used to calculate position, corrections received from the DGPS receiver are applied to the measurements. The position is then calculated using the corrected range measurements providing vastly increased accuracy.

Modulator

Depending on the transmission format, the modulator encodes the data as necessary for transmission.

Reference Station

The reference station GPS receiver knows exactly the position of its antenna, therefore it knows what each satellite range measurement should be. It measures the ranges to each satellite using the received signals just as if it was going to calculate position. The measured ranges are subtracted from the known ranges and the result is range error. The range error values for each satellite are formatted into messages in the RTCM SC104 format and transmitted continuously.

Transmitter

The transmitter is basically a power amplifier which is connected to an antenna system. The modulated carrier is amplified and driven to the antenna. In the United States Coast Guard system, the transmitter is 250-1000 Watts and operates in the 300Khz frequency range. The amplified signal is radiated via the antenna to remote DGPS receivers for real-time position correction.

DESCRIPTION

(Differential GPS Stations)

Information is tabulated in eight columns as follows:

column 1: The number assigned to each DGPS Station by this Agency.

column 2: Name of the DGPS Station

column 3: Approximate latitude and longitude of the DGPS Transmitting Station to the nearest tenth of a minute.

column 4: Station ID which can be found in the IALA Master list. No two stations have the same ID. **T** denotes the Transmitting Station, **R** denotes the Reference Station.

column 5: Range (approximate) in nautical miles.

column 6: Frequency in kHz.

column 7: Transfer Rate which equates to the baud rate and will be published as a whole number without any additional abbreviations such as “bps” (bits per second)

column 8: Remarks. This column contains information about the reference stations and messages types transmitted. GPS Message Type Numbers are 1, 3, 4, 5, 6, 7, 9, 15 and 16. (*Refer to message type descriptions below*)

GPS MESSAGE TYPE NUMBER INDICATORS

1	Differential GNSS corrections (full set of satellites)
3	Reference stations parameters
4	Datum used
5	Constellation health
6	Null frame (no information)
7	Radiobeacons Almanacs
9	Sub-set differential GNSS corrections
15	Ionospheric corrections
16	Special messages

Section 1

West Coast of France

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-WEST COAST							
ILE D'OUessant:							
4 A 1844	-Pointe de Creach.	48° 27.6' N 5° 07.8' W	Fl.(2)W. period 10s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 7.4s	230 70	32	White round tower, black bands; 180.	Obscured 247°-255°. Radio Direction Finder. Horn: 2 bl. ev. 120s (bl. 2s, si. 3s, bl. 2s, si. 113s).
	-RACON		C(— • — •)				Azimuth coverage 355°-275°. (3 cm)
8 A 1519	-NE. buoy, traffic separation scheme.	48° 59.5' N 5° 24.0' W	L.Fl.W. period 10s fl. 3s, ec. 7s			SAFE WATER RW, pillar.	Whistle.
	-RACON		B(— • • •)		20		(3 cm)
12 A 1518	--SW. LANBY.	48° 30.0' N 5° 45.0' W	Fl.W. period 4s fl. 0.5s, ec. 3.5s	33 10	7	SAFE WATER RW.	AIS (MMSI No 992271303).
	--RACON		M(— —)		12		
16 A 1842	-Le Stiff.	48° 28.5' N 5° 03.4' W	Fl.(2)R. period 20s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 14.9s	279 85	24	Two adjoining round white towers; 105.	Radar tower 0.2 mile N. marked by Q.W. (occas.) by day and F.R. by night.
18 A 1843	--Port du Stiff, E. mole, head.	48° 28.2' N 5° 03.2' W	Dir.Q.W.R.G.	36 11	W. 10 R. 7 G. 7	Tower.	G. 251°-254°, W.-264° R.-267°, obsc.-251°.
20 A 1846	Nividic (An-Ividig).	48° 26.8' N 5° 09.1' W	V.Q.(9)W. period 10s	92 28	10	Gray octagonal stone tower; 118. Helicopter platform.	Obscured by Ile d'Ouessant 225°-290°.
24 A 1848	-La Jument.	48° 25.4' N 5° 08.1' W	Fl.(3)R. period 15s fl. 0.3s, ec. 2.7s fl. 0.3s, ec. 2.7s fl. 0.3s, ec. 8.7s	118 36	22	Gray octagonal tower, red top; 157.	Obscured 199°-241°. Danger signals. Horn: 3 bl. ev. 60s.
32 A 1850	Men-Tensel (Kereon).	48° 26.3' N 5° 01.6' W	Oc.(2+1)W.R. period 24s lt. 9s, ec. 1s lt. 9s, ec. 1s lt. 3s, ec. 1s	125 38	W. 17 R. 7	Gray tower; 134.	W. 019°-248°, R.-019°. Nauphone: 3 bl. ev. 120s (bl. 4s, si. 3s, bl. 2s, si. 51s, bl. 4s, si. 56s).
36 A 1852	Men-Korn.	48° 28.0' N 5° 01.4' W	V.Q.(3)W.R. period 5s	68 21	8	E. CARDINAL BYB, tower, topmark; 95.	W. 145°-040°, R.-145°.
40 A 1870	Les Trois Pierres, NE. of Molene.	48° 24.7' N 4° 56.8' W	Iso.W.R.G. period 4s	49 15	W. 9 R. 6 G. 6	White round column; 49.	W. 147°-185°, R.-191°, G.-197°, W.-213°, R.-070°, G.-147°.
44 A 1871	Ile Molene, mole, head.	48° 23.9' N 4° 57.3' W	Dir.Fl.(3)W.R.G. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	19 6	W. 9 R. 7 G. 7	Column on hut; 16.	G. 183°-190°, W.-192°, R.-203°.
			Dir.Fl.(2)W.R.G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	29 9	W. 9 R. 7 G. 7		G. 252°30'-259°30', W.-262°30', R.-269°30'.
48 A 1854	Le Four.	48° 31.4' N 4° 48.3' W	Fl.(5)W. period 15s fl. 0.4s, ec. 1.7s fl. 0.4s, ec. 1.7s fl. 0.4s, ec. 1.7s fl. 0.4s, ec. 1.7s fl. 0.4s, ec. 6.2s	92 28	18	Gray tower; 92.	Horn: 5 bl. (3+2) ev. 60s.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-WEST COAST							
52 <i>A 1856</i>	-Aber Ildut.	48° 28.3' N 4° 45.6' W	Dir.Oc.(2)W.R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	40 12	W. 25 R. 20	White buildings; 16.	W. 081°-085°, R.-087°.
56 <i>A 1862</i>	-Le Faix.	48° 25.8' N 4° 53.9' W	V.Q.W.	52 16	8	N. CARDINAL BY, tower, topmark; 69.	
60 <i>A 1860</i>	-Les Platresses.	48° 26.3' N 4° 50.9' W	Fl.R.G. period 4s fl. 1s, ec. 3s	56 17	6	White tower; 75.	R. 343°-153°, G.-333°, obscured elsewhere.
76 <i>A 1873.9</i>	-Trezien.	48° 25.4' N 4° 46.8' W	Dir.Oc.(2)W. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	276 84	20	Gray tower, white on S. side; 120.	Intensified from 003°-011° over range 007° with Kermovan.
80 <i>A 1876</i>	-Pointe de Corsen.	48° 24.9' N 4° 47.7' W	Dir.Q.W.R.G.	108 33	W. 12 R. 8 G. 8	White hut and walls; 10.	R. 008°-012°, W.-015°, G.- 021°. F.R. obstruction light on mast 400 meters ESE. Signal station.
84 <i>A 1874</i>	-Kermovan.	48° 21.7' N 4° 47.4' W	Fl.W. period 5s fl. 0.3s, ec. 4.7s	66 20	22	White square tower; 65.	In line 158°30' with St. Mathieu Point, 007° with Trezien, and 137°54' with Lochrist. Obscured when bearing less than 341°. Horn: 1 bl. ev. 60s.
88 <i>A 1880</i>	-Lochrist.	48° 20.6' N 4° 45.9' W	Dir.Oc.(3)W. period 12s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 1.5s lt. 4.5s, ec. 1.5s	161 49	22	White octagonal concrete tower, red top; 55.	Intensified 135°24'-140°24'. In line 137°54' with Kermovan.
92 <i>A 1872</i>	-La Grande Vinotiere.	48° 22.0' N 4° 48.5' W	L.Fl.R. period 10s fl. 3s, ec. 7s	49 15	5	Red octagonal tower; 80.	
104 <i>A 1874.1</i>	-St. Mathieu.	48° 19.8' N 4° 46.3' W	Fl.W. period 15s fl. 0.2s, ec. 14.8s Dir.F.W.	184 56 177 54	29 28	White tower, red top; 121. Intensified 157°30'-159°30' over range 158° with Kermovan.	Radiobeacon.
108 <i>A 1875</i>	--Auxiliary, about 54 meters 291° from St. Mathieu.	48° 19.9' N 4° 46.2' W	Q.W.R.G.	85 26	W. 14 R. 11 G. 11	White turret.	G. 085°-107°, W.-116°, R.- 134°.
112 <i>A 1884</i>	-Les Vieux Moines, Pointe de St. Mathieu, SW. head.	48° 19.4' N 4° 46.5' W	Fl.R. period 4s fl. 1s, ec. 3s	53 16	5	Red octagonal tower; 62.	Visible 280°-133°.
116 <i>A 1886</i>	-Les Pierres Noires.	48° 18.7' N 4° 54.9' W	Fl.R. period 5s fl. 0.4s, ec. 4.6s	89 27	19	White tower, red top; 92.	Danger signals. Horn: 2 bl. ev. 60s.
136 <i>D 0820</i>	-La Parquette.	48° 15.9' N 4° 44.3' W	Fl.R.G. period 4s fl. 1s, ec. 3s	56 17	6	Tower, black and white spiral bands; 82.	R. 244°-285°, G.-244°.
140 <i>D 0818</i>	-Pointe du Toulinguet.	48° 16.8' N 4° 37.8' W	Oc.(3)W.R. period 12s lt. 4.5s, ec. 1.5s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 1.5s	161 49	W. 15 R. 11	White square tower, on building; 45.	W. shore-028°, R.-090°, W.- shore.
144 <i>D 0816</i>	-Camaret-Sur-Mer, N. mole extension.	48° 16.9' N 4° 35.5' W	Iso.W.G. period 4s	23 7	W. 12 G. 8	White and green pylon; 24.	W. 135°-182°, G.-027°.
148 <i>D 0817</i>	--S. mole.	48° 16.7' N 4° 35.4' W	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	29 9	5	Red pylon; 26.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-WEST COAST							
152 D 0790	-Pointe du Petit-Minou.	48° 20.2' N 4° 36.9' W	Fl.(2)W.R. period 6s fl. 1s, ec. 1s fl. 3s, ec. 1s	105 32	W. 19 R. 15	Gray tower, white on SW. side, red top; 85.	R. shore 252°, W.-260°, R.- 307°, W. (unint.)-015°, W.- 065°30', obsc.-070°30', W.-shore. Siren: 1 bl. ev. 60s.
--			Dir.Q.W.	98 30	23	Same tower; 72.	Intensified 067°18'-068°48'. In range 068° with Pointe du Portzic light.
156 D 0794	-I.F.R.E.M.E.R., dolphin, SE. side.	48° 21.6' N 4° 33.0' W	Fl.R. period 2s fl. 0.4s, ec. 1.6s	3 1	2	Dolphin; 6.	
160 D 0790.1	-Pointe Du Portzic.	48° 21.6' N 4° 32.0' W	Oc.(2)W.R. period 12s lt. 2.5s, ec. 1.5s lt. 6.5s, ec. 1.5s	184 56	W. 19 R. 15	Gray octagonal tower; 115.	Visible W. of Le Goulet 041°- 069° R. 219°-259°, W.-338°, R.- 000°, W.-065°30', obsc.- 070°30', W.-219°. Signal station.
--	-Directional light.		Dir.Q.W.	177 54	22		Intensified 065°-071°.
--			Dir.Q.(6)+L.Fl.W. period 15s	177 54	23		Intensified 045°-050°.
168 D 0792	-Roche Mengam, in Goulet de Brest.	48° 20.4' N 4° 34.5' W	Fl.(3)W.R. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	36 11	W. 11 R. 8	ISOLATED DANGER BRB, tower beacon, topmark; 49.	R. 034°-054°, W.-034°.
BREST:							
-Rade-Abri:							
176 D 0798	--E. breakwater, head.	48° 22.2' N 4° 29.2' W	Q.G.	33 10	8	White tower, green top; 33.	Visible 299°-163°. Various lights shown inside port.
178 D 0796	---W. breakwater, head.	48° 22.1' N 4° 29.3' W	Q.R.	33 10	8	White tower, red top; 30.	Visible 094°-048°.
180 D 0799	--Range, front.	48° 22.8' N 4° 29.5' W	V.Q.W.R.G.	79 24	W. 10 R. 5 G. 5	White round tower.	G. 334°-342°, W.-346°, R.- 024°.
180.1 D 0799.1	---Rear, 118 meters 344° from front.	48° 22.4' N 4° 29.4' W	Dir.V.Q.W.	105 32	10	On building.	Intensified 342°-346°.
182 D 0801	--Jean-Bart Quay Range, front.	48° 22.9' N 4° 29.9' W	Dir.Iso.R. period 5s	30 9		White pylon with red top; 26.	Intensified 309°-319°.
182.1 D 0801.1	---Rear, 17 meters 314° from front.	48° 22.9' N 4° 30.0' W	Dir.Iso.R. period 5s	52 16		E. corner of building; 49.	Intensified 309°-319°. Synchronized with front.
-Commercial Port:							
184 D 0806	--Breakwater, W. entrance, S. side.	48° 22.6' N 4° 29.2' W	Fl.G. period 4s	33 10	4	White tower, green top; 33.	Visible 022°-257°.
188 D 0804	--W. jetty, head.	48° 22.7' N 4° 29.0' W	Iso.R. period 4s	33 10	7	White column, red top; 36.	
192 D 0802	--Detached breakwater, E. entrance, S. side.	48° 22.7' N 4° 28.5' W	Oc.(2)R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	26 8	5	White pylon, red top; 23.	Obscured 301°-018°.
196 D 0803	--W. jetty, head.	48° 22.8' N 4° 28.6' W	Oc.(2)G. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	26 8	7	White tower, green top; 29.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-WEST COAST							
POINTE DE L'ILE LONGUE							
200 <i>D 0814.5</i>	-Range, front.	48° 18.4' N 4° 30.1' W	F.R.				Occasional.
200.1 <i>D 0814.51</i>	-- Rear, 60 meters 281° from front.	48° 18.4' N 4° 30.1' W	F.R.				Occasional.
BAIE DE DOUARNENEZ:							
208 <i>D 0829</i>	-Basse Vielle Buoy.	48° 08.3' N 4° 35.7' W	Fl.(2)W. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s			ISOLATED DANGER BRB, pillar, topmark.	Whistle. Radar reflector.
212 <i>D 0826</i>	-Pointe de Morgat.	48° 13.2' N 4° 29.9' W	Oc.(4)W.R.G. period 12s lt. 5s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s	253 77	W. 15 R. 11 G. 10	White square tower, dwelling, red top; 50.	W. north shore-281°, G.-301°, W.-021°, R.-043°, obscured on bearings greater than 027°.
216 <i>D 0828</i>	-Morgat, mole.	48° 13.5' N 4° 30.0' W	Oc.(2)W.R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	26 8	W. 9 R. 6	White tower, red top, white hut; 20.	W. 007°-257°, R.-007°.
-Douarnenez:							
220 <i>D 0830</i>	--Ile Tristan.	48° 06.2' N 4° 20.3' W	Oc.(3)W.R. period 12s lt. 4.5s, ec. 1.5s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 1.5s	115 35	W. 13 R. 10	Gray tower, white band, black top; 35.	R. 138°-153°, W. elsewhere.
224 <i>D 0831</i>	--Bassin Nord, N. mole, head.	48° 06.0' N 4° 19.3' W	Iso.G. period 4s	30 9	4	White and green pylon; 26.	
228 <i>D 0831.2</i>	---S. mole, head.	48° 05.9' N 4° 19.3' W	Oc.(2)R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	19 6	6	White and red pylon; 15.	
232 <i>D 0832</i>	--Rosmeur, mole.	48° 05.9' N 4° 19.3' W	Oc.G. period 4s lt. 3s, ec. 1s	20 6	6	White column with green top; 19.	Visible 170°-097°.
236 <i>D 0834</i>	--Tre Boul, Epi de Biron.	48° 06.1' N 4° 20.4' W	Q.G.	23 7	6	White column with green top; 22.	
240 <i>D 0836</i>	-Point du Millier.	48° 05.9' N 4° 27.9' W	Oc.(2)W.R.G. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	112 34	W. 16 R. 12 G. 11	White dwelling; 26.	G. 080°-087°, W.-113°, R.-120°, W.-129°, G.-148°, W.-251°, R.-258°.
CHAUSEE DE SEIN:							
248 <i>D 0852</i>	-Ar-Men.	48° 03.0' N 4° 59.8' W	Fl.(3)W. period 20s fl. 0.4s, ec. 3.6s fl. 0.4s, ec. 3.6s fl. 0.4s, ec. 11.6s	94 29	23	White tower, dark base, black top; 120.	
252 <i>D 0856</i>	-Ile de Sein.	48° 02.6' N 4° 52.1' W	Fl.(4)W. period 25s fl. 0.1s, ec. 2.9s fl. 0.1s, ec. 2.9s fl. 0.1s, ec. 2.9s fl. 0.1s, ec. 15.9s	161 49	29	White tower, black top; 167.	
			Dir.Q.W.R.G.		W. 8 R. 6 G. 6		G. 267°-269°, W.-271°, R.-275°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-WEST COAST							
256 <i>D 0860</i>	-Men-Brial.	48° 02.3' N 4° 51.0' W	Oc.(2)W.R.G. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	52 16	W. 12 R. 9 G. 7	White and green tower; 45.	G. 149°-186°, W.-192°, R.- 221°, W.-227°, G.-254°.
RAZ DE SEIN:							
268 <i>D 0862</i>	-Le Chat.	48° 01.5' N 4° 48.8' W	Fl.(2)W.R.G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	90 27	W. 9 R. 6 G. 6	S. CARDINAL YB, tower; 102.	G. 096°-215°, W.-230°, R.- 271°, G.-286°, R.-096°. Radar reflector.
272 <i>D 0870</i>	-La Vielle.	48° 02.5' N 4° 45.4' W	Oc.(2+1)W.R.G. period 12s lt. 4s, ec. 1s lt. 4s, ec. 1s lt. 1s, ec. 1s	108 33	W. 18 R. 13 G. 14	Gray tower, black top; 88.	W. 290°-298°, R.-325°, W.- 355°, G.-017°, W.-035°, G.-105°, W.-123°, R.- 158°, W.-205°. Horn: 3 bl. ev. 60s (bl. 2s, si. 3s, bl. 5s, si. 23s, bl. 2s, si. 25s).
274 <i>D 0850</i>	<i>Chaussee de Sein Buoy.</i>	48° 03.8' N 5° 07.7' W	V.Q.(9)W. period 10s			W. CARDINAL YBY, pillar, topmark.	Whistle. Radar reflector.
RACON			O(- - -) period 150s		10		(3 cm)
276 <i>D 0866</i>	--Tevennec.	48° 04.3' N 4° 47.6' W	Q.W.R. Dir.Fl.W. period 4s fl. 1s, ec. 3s	92 28	W. 9 R. 6	White square tower, dwelling; 49.	R. 345°-090°, W.-345°.
284 <i>D 0872</i>	La Plate.	48° 02.4' N 4° 45.5' W	V.Q.(9)W. period 10s	62 19	8	W. CARDINAL YBY, tower, topmark; 85.	
AUDIERNE:							
288 <i>D 0877.1</i>	-Kergadec.	48° 01.0' N 4° 32.8' W	Dir.Q.W.R.G. F.R.	141 43	W. 12 R. 9 G. 9	White octagonal tower, red top; 49.	G. 000°-005°18', W.-006°42', R.-017°.
292 <i>D 0875</i>	-Jetee de Ste. Evette, head.	48° 00.3' N 4° 33.1' W	Oc.(2)R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	7 2	7	Red lantern; 3.	Visible 090°-000°.
296 <i>D 0877</i>	-Raouluc, jetty, head.	48° 00.6' N 4° 32.5' W	Fl.(3)W.G. period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	36 11	W. 14 G. 9	White tower; 35.	W. shore-034°, G.-shore.
300 <i>D 0874</i>	-Pointe de Lervily.	48° 00.1' N 4° 34.0' W	Fl.(3)W.R. period 12s	66 20	W. 14 R. 11	White round tower, red top; 40.	W. 211°-269°, R.-294°, W.- 087°, R.-121°.
304 <i>D 0884</i>	Pors-Poulhan, entrance, W. side.	47° 59.1' N 4° 28.0' W	Q.R.	45 14	9	White tower, red top; 19.	
308 <i>D 0890</i>	Pointe de Penmarc'h.	47° 47.9' N 4° 22.4' W	Fl.W. period 5s fl. 0.1s, ec. 4.9s	197 60	23	Gray octagonal tower; 213.	Horn: 1 bl. ev. 60s.
SAINT GUENOLE:							
312 <i>D 0886</i>	-Groumilli Range, front.	47° 48.2' N 4° 22.6' W	F.G.	30 9	9	Column, black and white bands, orange square; 36.	
316 <i>D 0886.1</i>	--Rear, 300 meters 123° from front.	47° 48.1' N 4° 22.4' W	F.G.	43 13	9	Column, black and white bands, orange square; 45.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-WEST COAST							
320 <i>D 0885</i>	-Entrance Range, front.	47° 49.1' N 4° 22.6' W	Q.R.	26 8	4	Red mast; 42.	
324 <i>D 0885.1</i>	--Rear, 51 meters 026°30' from front.	47° 49.1' N 4° 22.6' W	Q.R.	39 12	4	Mast, red and white bands; 33.	Synchronized with front.
328 <i>D 0887</i>	-Range, front.	47° 48.8' N 4° 22.6' W	V.Q.W.	16 5	2	Platform on green and white metal mast.	
332 <i>D 0887.1</i>	--Rear, 320 meters 055°24' from front.	47° 48.9' N 4° 22.4' W	F.Vi.	49 15	1	Platform on green and white metal mast.	Visible 040°-070°.
336 <i>D 0893</i>	-Scoedec.	47° 48.5' N 4° 23.1' W	Fl.G. period 2.5s fl. 0.4s, ec. 2.1s	20 6	3	Green tower; 23.	
344 <i>D 0892</i>	La Menhir, Penmarc'h, W. extremity of rocks.	47° 47.8' N 4° 23.9' W	Fl.(2)W.G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	62 19	W. 7 G. 4	Black and white tower; 69.	W. 315°-135°, G.-315°.
348 <i>D 0894</i>	Locarec Rock.	47° 47.3' N 4° 20.3' W	Isa.W.R.G. period 4s	36 11	W. 9 R. 6 G. 6	Metal column on rock; 26.	G. 063°-068°, R.-271°, W.-285°, R.-298°, G.-340°, R.-063°. Fl.R. and Fl.G. lights mark channel.
GUILVINEC:							
364 <i>D 0896</i>	-Mole de Lechiagat, entrance Range, front.	47° 47.3' N 4° 17.0' W	Q.W.	23 7	8	White pylon; 20.	Visible 233°-066°.
366 <i>D 0896.05</i>	--Middle, 210 meters 053° from front.	47° 47.5' N 4° 17.0' W	Q.W.G.	39 12	W. 14 G. 11	Red pylon, square daymark; 36.	W. 006°-293°, G.-006°. Synchronized with front.
368 <i>D 0896.1</i>	-Rear, 1043 meters 053° from front.	47° 47.8' N 4° 16.5' W	Dir.Q.W.	85 26	8	White tower, red stripe, red square daymark; 82.	Visible 051°30'-054°30'. Synchronized with front.
372 <i>D 0899</i>	-Mole de Lechiagat, head.	47° 47.5' N 4° 17.1' W	Fl.G. period 4s fl. 1s, ec. 3s	16 5	7	White hut, green top; 10.	Fl.(2)G. shown at head of spur.
376 <i>D 0900</i>	-Mole de Guilvinec.	47° 47.6' N 4° 17.0' W	Fl.R. period 4s fl. 1s, ec. 3s	36 11	9	White tower, upper part red; 33.	Fl.(2)R. shown at head of spur.
377 <i>D 0901</i>	-Spur mole.	47° 47.5' N 4° 17.1' W	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	13 4	5	Red structure; 7.	
380 <i>D 0898</i>	-Lost-Moan.	47° 47.1' N 4° 16.7' W	Fl.(3)W.R.G. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	26 8	W. 9 R. 6 G. 6	White tower, red top; 42.	W. 268°-273°, G.-317°, W.-327°, R.-014°, G.-065°, R.-140°, W.-160°, R.-268°.
384 <i>D 0899.2</i>	-Epi.	47° 47.5' N 4° 17.0' W	Fl.(2)G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	13 4	5	Green structure; 6.	Visible 078°-258°.
388 <i>D 0902</i>	Lesconil, on Men-ar-Groas Rock.	47° 47.8' N 4° 12.6' W	Fl.(3)W.R.G. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	46 14	W. 10 R. 7 G. 7	White tower, green top; 36.	G. 268°-313°, W.-333°, R.-050°.
392 <i>D 0904</i>	-E. breakwater, head.	47° 47.8' N 4° 12.6' W	Q.G.	16 5	5	Round green tower; 13.	
393 <i>D 0904.5</i>	--Mole, head.	47° 47.7' N 4° 12.6' W	Oc.R. period 4s	16 5	6	White metal pylon, red top; 13.	
396	Karek-Greis Whistle Buoy.	47° 46.1' N 4° 11.4' W	Q.(3)W. period 10s			E. CARDINAL BYB, pillar, topmark.	Whistle.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-WEST COAST							
RIVIERE L'ABBE:							
400 <i>D 0906</i>	-Loctudy.	47° 49.9' N 4° 09.6' W	Fl.(4)W.R.G. period 12s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	41 12	W. 15 R. 11 G. 11	White round tower, red top; 43.	W. 115°-257°, G.-284°, W.- 295°, R.-318°, W.-328°, R.-025°.
408 <i>D 0909</i>	-Karek-Saoz.	47° 50.1' N 4° 09.3' W	Fl.R. period 2.5s fl. 0.5s, ec. 2s	10 3	1	Red truncated tower; 33.	Radar reflector.
412 <i>D 0910</i>	-Le Blas.	47° 50.3' N 4° 10.1' W	Fl.(4)G. period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	16 5	1	Green truncated column; 36.	
416 <i>D 0915</i>	-Pointe du Toulgoet.	47° 52.3' N 4° 06.8' W	Fl.R. period 2.5s fl. 0.5s, ec. 2s	7 2	1	Red mast; 12.	
BENODET:							
420 <i>D 0914.1</i>	-Pointe de Combrit, Odet River entrance, W. side.	47° 51.9' N 4° 06.7' W	Oc.(3+1)W.R. period 12s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 3s, ec. 1s lt. 3s, ec. 1s	62 19	W. 12 R. 9	White square tower, gray corners; 55.	R. 017°-325°, W.-017°. In line 000°30' with La Pyramide.
424 <i>D 0913.9</i>	-Pointe du Coq Range, front.	47° 52.3' N 4° 06.7' W	Dir.Oc.(2+1)G. period 12s lt. 4s, ec. 1s lt. 4s, ec. 1s lt. 1s, ec. 1s	36 11	17	White tower, green stripe; 44.	Intensified 1° on each side of range line.
428 <i>D 0914</i>	--La Pyramide, common rear, about 348 meters 345°30' from Pointe du Coq front.	47° 52.5' N 4° 06.9' W	Oc.(2+1)W. period 12s lt. 4s, ec. 1s lt. 4s, ec. 1s lt. 1s, ec. 1s	157 48	11	White truncated tower, green top; 128.	Visible 338°-016°. Synchronized with front.
432 <i>D 0923.4</i>	Rouge de Glenan Whistle Buoy.	47° 45.5' N 4° 03.9' W	V.Q.(9)W. period 10s			W. CARDINAL YBY, pillar, topmark.	Whistle. Radar reflector.
436 <i>D 0918</i>	Ile aux Moutons.	47° 46.5' N 4° 01.7' W	Iso.W.R.G. period 2s	59 18	W. 15 R. 11 G. 11	White square tower; 55.	R. 292°-035°, W.-050°, G.- 063°, W.-081°, R.-141°, W.-292°.
442 <i>D 0923.2</i>	-La Pie.	47° 43.8' N 3° 59.7' W	Fl.(2)W. period 6s	30 9	3	ISOLATED DANGER BRB, beacon, topmark.	
444 <i>D 0922</i>	Ile de Penfret.	47° 43.3' N 3° 57.2' W	Fl.R. period 5s fl. 0.2s, ec. 4.8s	118 36	21	White pyramidal tower, red top; 78.	
			Dir.Q.W.	112 34	11		Visible 295°-315°. Auxiliary light.
448 <i>D 0922.6</i>	Basse Perennes Whistle Buoy.	47° 41.1' N 4° 06.3' W	Q.(9)W. period 15s			W. CARDINAL YBY, pillar, topmark.	Whistle. Radar reflector.
452 <i>D 0922.4</i>	Jument de Glenan Buoy.	47° 38.8' N 4° 01.3' W	Q.(6)+L.Fl.W. period 15s			S. CARDINAL YB, pillar, topmark; 33.	Radar reflector.
456 <i>D 0922.2</i>	Jaune de Glenan Buoy.	47° 42.6' N 3° 49.9' W	Q.(3)W. period 10s			E. CARDINAL BYB, pillar, topmark; 23.	Radar reflector.
460 <i>D 0925</i>	Cap Coz, shelter mole, head.	47° 53.5' N 3° 58.1' W	Fl.(2)W.R.G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	16 5	W. 7 R. 5 G. 5	Gray post, red lantern, on white hut; 10.	R. 346°-335°, G.-340°, W.- 346°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-WEST COAST							
464 <i>D 0925.4</i>	--Jetty extension, E. side.	47° 53.6' N 3° 58.1' W	Fl.G. period 4s fl. 1s, ec. 3s	26 8	1	Green lantern on gray post, white hut; 23.	
CONCARNEAU:							
468 <i>D 0936</i>	-Le Cochon.	47° 51.5' N 3° 55.5' W	Fl.(3)W.R.G. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	16 5	W. 9 R. 6 G. 6	Green tower; 36.	R. 230°-352°, W.-048°, G.- 207°.
472 <i>D 0928</i>	-La Croix entrance Range, front.	47° 52.2' N 3° 55.1' W	Q.W.	46 14	13	White and red tower; 39.	Visible 006°30'-093°.
476 <i>D 0930</i>	-- Beuzec , rear, 2.3 km. 028°30' from front.	47° 53.3' N 3° 54.0' W	Dir.Q.W.	285 87	23	Belfry; 105.	Intensified 2° on either side of range line.
484 <i>D 0934</i>	-W. side of Lanriec Passage.	47° 52.3' N 3° 54.8' W	Oc.(2)W.R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	13 4	W. 9 R. 6	Red tower; 16.	R. 209°-354°, W.-007°, R.- 018°, obscured elsewhere. Passage marked by lighted beacons.
486 <i>D 0935</i>	-Yacht Harbor.	47° 52.3' N 3° 54.7' W	Fl.(3)R. period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	10 3	1	PORT (A) R, post, topmark; 7.	Visible 018°-340°.
488 <i>D 0933</i>	-La Medee.	47° 52.1' N 3° 54.9' W	Fl.R. period 2.5s fl. 0.5s, ec. 2s	30 9	4	Red round tower; 52.	
492 <i>D 0932</i>	Lanriec, E. of Concarneau entrance.	47° 52.1' N 3° 54.6' W	Q.G.	43 13	8	White gable, green rectangular daymark; 25.	Visible 063°-078°.
496 <i>D 0940</i>	Baie de Pouldohan.	47° 51.0' N 3° 53.7' W	Fl.G. period 4s fl. 1s, ec. 3s	20 6	8	Green and white square tower; 20.	Visible 053°-065°.
498 <i>D 0942</i>	Dragon Rock.	47° 47.9' N 3° 53.3' W	V.Q.(9)W. period 10s		6	W. CARDINAL YBY, tower, topmark; 36.	
500 <i>D 0944</i>	Trevignon, breakwater.	47° 47.6' N 3° 51.3' W	Oc.(3+1)W.R.G. period 12s lt. 3s, ec. 1s lt. 3s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s	35 11	W. 14 R. 11 G. 11	White square tower, green top; 25.	R. 322°-351°, obsc.-004°, W.- 051°, G.-085°, W.-092°, R.-127°, obscured elsewhere.
TREVIGNON:							
504 <i>D 0945</i>	-Shelter, mole, head.	47° 47.7' N 3° 51.3' W	Fl.G. period 4s fl. 1s, ec. 3s	16 5	8	White column, green top; 13.	
508 <i>D 0946</i>	Port-Manech, (Pointe de Beg- ar-Vechen).	47° 48.0' N 3° 44.4' W	Oc.(4)W.R.G. period 12s lt. 5s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s	125 38	W. 10 R. 7 G. 7	White and red tower; 33.	W. 140°-296°, G.-303°, W.- 311°, R.-328°, W.-050°, W. (unintensified)-140°.
512 <i>D 0950</i>	Brigneau.	47° 46.9' N 3° 40.2' W	Oc.(2)W.R.G. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	22 7	W. 12 R. 9 G. 9	White column, red top; 23.	G. 280°-329°, W.-339°, R.- 034°.
516 <i>D 0952</i>	Merrien, port, entrance, W. side.	47° 47.1' N 3° 39.0' W	Q.R.	85 26	7	White square tower, red top; 25.	Visible 004°-009°.
520 <i>D 0954</i>	Doelan Range, front.	47° 46.3' N 3° 36.5' W	Oc.(3)W.G. period 12s lt. 4.5s, ec. 1.5s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 1.5s	65 20	W. 13 G. 10	White tower, green band and top; 49.	G. 305°-314°, W. elsewhere.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-WEST COAST							
524 <i>D 0954.1</i>	-Rear, 326 meters from front.	47° 46.5' N 3° 36.3' W	Q.R.	88 27	9	White tower, red band and top; 45.	
526 <i>D 0961</i>	Lomener.	47° 42.3' N 3° 25.5' W	Dir.Q.W.R.G.	43 13	W. 10 R. 8 G. 8	White tower, red top; 30.	G. 349°12'-355°12', W.-359°12', R.-005°12'.
528 <i>D 0960</i>	Kerroch.	47° 42.0' N 3° 27.7' W	Oc.(2)W.R.G. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	72 22	W. 11 R. 8 G. 8	Truncated white tower, red top; 26.	R. 096°30'-112°30', G.-132°, R.-302°, W.-096°30'.
ILE DE GROIX:							
532 <i>D 0962</i>	-Pen-Men.	47° 38.9' N 3° 30.5' W	Fl.(4)W. period 25s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 15.8s	197 60	29	White square tower, black top; 92.	Visible 309°-275°.
536 <i>D 0964</i>	-Port Trudy, E. mole, head.	47° 38.7' N 3° 26.8' W	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	36 11	7	White round tower, red top; 33.	Visible 112°-226°.
540 <i>D 0966</i>	--N. mole, head.	47° 38.7' N 3° 26.7' W	Iso.G. period 4s	39 12	7	White round tower, green top; 33.	
544 <i>D 0968</i>	-Pointe de la Croix, island, E. point.	47° 38.1' N 3° 25.0' W	Oc.W.R. period 4s lt. 3s, ec. 1s	52 16	W. 12 R. 9	Red lantern on white masonry base; 14.	W. 169°-336°, R.-345°, W.-353°, obscured elsewhere.
548 <i>D 0970</i>	-Pointe des Chats.	47° 37.3' N 3° 25.3' W	Fl.R. period 5s fl. 0.4s, ec. 4.6s	52 16	19	White square tower, dwelling; 50.	
LORIENT AND PORT LOUIS:							
556 <i>D 0974</i>	-Les Trois Pierres.	47° 41.5' N 3° 22.5' W	Q.R.G.	36 11	6	Black octagonal tower, white bands, black top; 59.	G. 060°-196°, R.-002°, obscured elsewhere.
560 <i>D 0975</i>	-Ile aux Souris.	47° 42.2' N 3° 21.4' W	Dir.Q.W.G.	20 6	W. 3 G. 2	Green tripod, 20.	W. 041°30'-043°30', G.-041°30'.
565 <i>D 0971</i>	-Les Soeurs Range, front.	47° 42.2' N 3° 21.7' W	Dir.Q.W.	36 11	13	Red tower, white bands.	Intensified 042°30'-058°30', reduced range 4M 058°30'-042°30'.
565.1 <i>D 0971.1</i>	--Port-Louis , rear, 740 meters 057° from front.	47° 42.4' N 3° 21.3' W	Dir.Q.W.	72 22	18	Building, red and white bands.	
576 <i>D 0978</i>	-Passe de la Citadelle Range, front.	47° 43.5' N 3° 21.6' W	Dir.Q.G.	26 8	13	White tower, green top; 45.	Intensified 014°30'-017°30'.
580 <i>D 0978.1</i>	--Rear, 306 meters 016°30' from front.	47° 43.6' N 3° 21.5' W	Dir.Q.G.	46 14	13	White tower, green top; 62.	Intensified 014°30'-017°30'. Synchronized with front.
582 <i>D 0996.6</i>	-Ste. Catherine.	47° 43.6' N 3° 21.0' W	Q.G.	16 5	2	Green metal post; 26.	
584 <i>D 0985</i>	-Port Louis, jetty, NE. head.	47° 42.8' N 3° 21.3' W	Iso.G. period 4s	23 7	6	White truncated tower, green top; 22.	Visible 043°-301°.
588 <i>D 0984</i>	-Citadelle at Port Louis, channel, E. side.	47° 42.6' N 3° 21.9' W	Oc.G. period 4s lt. 3s, ec. 1s	20 6	6	Green tower; 35.	Visible 012°-192°.
592 <i>D 0982</i>	-La Petite Jument, channel, W. side.	47° 42.6' N 3° 21.9' W	Oc.R. period 4s lt. 3s, ec. 1s	16 5	6	Red tower; 40.	Visible 182°-024°.
596 <i>D 0986</i>	-Le Cochon, on rock, channel, W. side.	47° 42.8' N 3° 22.0' W	Fl.R. period 4s fl. 1s, ec. 3s	16 5	5	Red tower, green band; 33.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-WEST COAST							
598 <i>D 0996.3</i>	-Marina, E. breakwater, head.	47° 43.2' N 3° 21.9' W	Q.(6)+L.F.I.W. period 15s	13 4	1	Metal structure, yellow and black top.	
600 <i>D 0990</i>	-Keroman Range , front.	47° 43.6' N 3° 22.0' W	Dir.Oc.(2)R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	82 25	15	Hut, red and white bands; 16.	Intensified 349°-351°.
604 <i>D 0990.1</i>	--Rear, about 92 meters 350° from front.	47° 43.7' N 3° 21.9' W	Dir.Oc.(2)R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	102 31	15	Gray metal pylon, red top, red and white bands daymark; 39.	Intensified 349°-351°. Synchronized with front.
608 <i>D 0994</i>	-Keroman, fishing port, S.E. mole, head.	47° 43.7' N 3° 21.8' W	Fl.R.G. period 4s fl. 1s, ec. 3s	23 7	6	White truncated tower, green top; 23.	G. 000°-235°, R.-000°. 2 Dir.Q.G. (occas.) in line 350° 260 meters W.
612 <i>D 0996</i>	-Kernevel Range , front.	47° 43.0' N 3° 22.4' W	Dir.Q.R.	33 10	15	Red and white pylon, red trapezoidal daymark; 33.	Intensified 2° each side of range line.
616 <i>D 0996.1</i>	--Rear, about 290 meters 217° from front.	47° 42.9' N 3° 22.4' W	Dir.Q.R.	59 18	15	White and red square tower; 51.	Intensified 2° each side of range line. Synchronized with front.
618 <i>D 0997</i>	-Pengarne.	47° 43.9' N 3° 21.1' W	Fl.G. period 2.5s fl. 0.5s, ec. 2s	10 3	3	Green tower; 20.	
620 <i>D 0999</i>	-RoRo pier.	47° 44.4' N 3° 21.0' W	Q.R.	23 7	2	Red metal structure; 66.	
624 <i>D 0998</i>	-Pointe de l'Esperance.	47° 44.6' N 3° 20.6' W	Dir.Q.W.R.G.	26 8	W. 10 R. 8 G. 8	White tower, green top; 22.	G. 034°12'-036°42', W.-037°12', R.-047°12'.
628 <i>D 1002.4</i>	-Pont Goeydon, E. bridge pier.	47° 45.1' N 3° 21.0' W	Dir.Iso.W.R.G. period 4s	20 6	W. 11 R. 9 G. 9	White rectangular hut; 13.	G. 350°-351°30', W.-352°30', R.-355°30'.
629 <i>D 1003</i>	-Citadelle of Port Louis.	47° 42.7' N 3° 21.8' W	Dir.Q.W.R.G.	46 14	W. 7 R. 5 G. 5		G. 168°-169.5°, W.-170.5°, R.-173.5°.
632 <i>D 1012</i>	Etel, W. side of river entrance.	47° 38.7' N 3° 12.8' W	Oc.(2)W.R.G. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	43 13	W. 9 R. 6 G. 6	Red tower; 36.	W. 022°-064°, R.-123°, W.-330°, G.-022°.
636 <i>D 1014</i>	Plateau de Birvideaux.	47° 29.2' N 3° 17.4' W	Fl.(2)W. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	79 24	10	ISOLATED DANGER BRB, beacon; 118.	
BELLE ILE:							
640 <i>D 1032</i>	-Anse de Goulphar.	47° 18.7' N 3° 13.6' W	Fl.(2)W. period 10s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 7.4s	285 87	27	Gray tower, red lantern; 170.	
644 <i>D 1030</i>	-Pointe des Poulains.	47° 23.3' N 3° 15.1' W	Fl.W. period 5s fl. 0.4s, ec. 4.6s	111 34	23	White square tower and dwelling, red lantern; 60.	Obscured 291°-023°.
648 <i>D 1044</i>	-Sauzon.	47° 22.4' N 3° 13.1' W	Q.G.	30 9	5	White tower, green top; 30.	Visible 194°-045°.
652 <i>D 1045</i>	--NW. jetty, head.	47° 22.5' N 3° 13.0' W	Fl.G. period 4s fl. 1s, ec. 3s	26 8	8	White truncated tower, green top; 15.	Visible 190°-078°.
656 <i>D 1046</i>	--SE. jetty, head.	47° 22.5' N 3° 13.0' W	Fl.R. period 4s fl. 1s, ec. 3s	26 8	8	White truncated tower, red top; 15.	Visible 315°-272°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-WEST COAST							
660 D 1042	-Le Palais, N. jetty, head.	47° 20.9' N 3° 09.1' W	Fl.(2+1)G. period 12s fl. 1s, ec. 1s fl. 1s, ec. 4s fl. 1s, ec. 4s	26 8	7	White tower, green top; 33.	
664 D 1040	--S. jetty, head.	47° 20.8' N 3° 09.1' W	Oc.(2)R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	26 8	11	White tower, red lantern; 33.	
668 D 1036	-Pointe de Kerdonis.	47° 18.7' N 3° 03.5' W	Fl.(3)R. period 15s fl. 0.4s, ec. 2.6s fl. 0.4s, ec. 2.6s fl. 0.4s, ec. 8.6s	116 35	15	White square tower, dwelling, red top; 46.	
672 D 1016	S. side of Presqu'île de Quiberon.	47° 28.8' N 3° 07.5' W	Q.W.R.G.	92 28	W. 14 R. 10 G. 10	White tower, green lantern; 82.	R. 017°-051°, W.-081°, G.-098°, W.-143°, obsc.-246°, W.-252°, obsc.-291°, W.-297°, G.-340°, W.-017°.
676 D 1015	-Entrance Range, front.	47° 28.6' N 3° 07.2' W	Dir.Q.G.	16 5	16	White truncated tower, black band, black top; 42.	Intensified 005°-008°.
680 D 1015.1	--Rear, about 230 meters 006°30' from front.	47° 28.8' N 3° 07.2' W	Dir.Q.G.	42 13	17	White truncated tower, black band, black top; 36.	Intensified 005°-008°.
684 D 1017	-Breakwater, S. entrance.	47° 28.5' N 3° 07.4' W	Oc.(2)R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	30 9	7	White tower, red lantern; 16.	
686 D 1015.5	--S.	47° 28.3' N 3° 07.3' W	Fl.R. period 2.5s	20 6	2	Red beacon; 33.	Visible 175°-047°.
688 D 1018	-E. mole, near N. entrance.	47° 28.6' N 3° 07.4' W	Iso.G. period 4s	30 9	7	White tower, green lantern; 23.	
PASSAGE DE LA TEIGNOUSE:							
692 D 1022	-La Teignouse.	47° 27.5' N 3° 02.8' W	Fl.W.R. period 4s fl. 1s, ec. 3s	66 20	W. 15 R. 11	White round tower and base, red top; 66.	W. 033°-039°, R.-033°.
720 D 1082	Ile Houat, St. Gildas, on N. mole.	47° 23.5' N 2° 57.4' W	Fl.(2)W.G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	26 8	W. 9 G. 6	White tower, green top; 16.	W. 168°-198°, G.-210°, W.-240°, G.-168°.
724 D 1084	Ile de Hoedic, Port of l'Argol.	47° 20.7' N 2° 52.5' W	Fl.W.G. period 4s fl. 1s, ec. 3s	33 10	W. 9 G. 6	White support, green top; 23.	W. 143°-163°, G.-183°, W.-194°, G.-143°.
728 D 1086	Les Grands Cardinaux, on Groguegues Rock, SE. of Ile Hoedic.	47° 19.3' N 2° 50.1' W	Fl.(4)W. period 15s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	92 28	13	Red round tower, white band; 89.	
PORT HALIGUEN:							
732 D 1026.2	-New breakwater, head.	47° 29.4' N 3° 06.0' W	Oc.(2)W.R. period 6s lt. 1s, ec. 1s lt. 3s, ec. 1s	33 10	W. 11 R. 8	White truncated tower, red top; 26.	W. 233°-240°30', R.-299°, W.-306°, R.-233°.
736 D 1026	-Old breakwater, head.	47° 29.3' N 3° 06.0' W	Fl.R. period 4s fl. 1s, ec. 3s	33 10	5	White tower, red top; 23.	Visible 322°-206°.
740 D 1026.4	-Pier, NW. side of entrance.	47° 29.4' N 3° 06.1' W	Fl.G. period 2.5s fl. 0.5s, ec. 2s	30 9	6	White structure, green top; 30.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-WEST COAST							
744 <i>D 1027</i>	-Pier.	47° 29.3' N 3° 06.0' W	Fl.Vi. period 2.5s fl. 0.5s, ec. 2s	16 5	5	Purple pipe; 10.	
CRACH:							
752 <i>D 1050</i>	-Entrance Range, front.	47° 34.1' N 3° 00.4' W	Q.W.R.G.	36 11	W. 10 R. 7 G. 7	White truncated tower, green top; 20.	G. 321°-345°, W.-013°30', R.-080°, obsc.-321°.
756 <i>D 1050.1</i>	-- Kernavest , rear, about 560 meters 347° from front.	47° 34.5' N 3° 00.3' W	Q.W.	69 21	15	White round tower, green top; 49.	Intensified 337°-357°. Synchronized with front.
760 <i>D 1051</i>	-812 meters 105° from La Trinite-sur-Mer.	47° 35.1' N 3° 01.0' W	Dir.Oc.W.R.G. period 4s lt. 3s, ec. 1s	30 9	W. 13 R. 11 G. 11	White tower; 20.	G. 345°-346°, W.-348°, R.-349°.
764 <i>D 1052</i>	La Trinite-sur-Mer, wharf, head.	47° 35.1' N 3° 01.5' W	Oc.(2)W.R. period 6s lt. 1s, ec. 1s lt. 3s, ec. 1s	20 6	W. 9 R. 6	White tower, red top; 19.	R. 090°-293°30', W.-300°30', R.-329°, obsc.-090°. Iso.R. 4s light shown from head of wharf 274 meters N.
768 <i>D 1054</i>	Port Navalo.	47° 32.9' N 2° 55.1' W	Oc.(3)W.R.G. period 12s lt. 4.5s, ec. 1.5s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 1.5s	104 32	W. 15 R. 11 G. 11	White round tower; 62.	W. 359°-015°, R.-105°, obsc.-155°, W.-220°, obsc.-317°, G.-359°.
769 <i>D 1054.5</i>	-Riviere D'Auray, Grogan.	47° 33.9' N 2° 55.1' W	Q.(6)+L.Fl.W. period 15s	10 3	7	S. CARDINAL YB, tower, topmark.	
772	<i>Plateau de la Recherche.</i>	47° 25.6' N 2° 50.4' W	Q.(9)W. period 15s			W. CARDINAL YBY, pillar, topmark.	
776 <i>D 1056</i>	Saint Jacques en Sarzeau, mole, head.	47° 29.2' N 2° 47.5' W	Oc.(2)R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	23 7	6	White octagonal tower, red top; 16.	
780 <i>D 1062</i>	Le Pignon, entrance of Riviere de Penerf.	47° 30.1' N 2° 38.9' W	Fl.(3)W.R. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	20 6	W. 9 R. 6	Red tower; 46.	R. 028°30'-167°, W.-175°, R.-349°30', W.-028°30'.
784 <i>D 1060</i>	Ile Dumet.	47° 24.7' N 2° 37.2' W	Fl.(3)W.R.G. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	46 14	W. 7 R. 4 G. 4	White column, green top, on fort; 20.	W. 335°-090°, G.-272°, W.-285°, R.-335°.
VILAINE:							
788 <i>D 1063</i>	-Basse Bertrand.	47° 31.1' N 2° 30.7' W	Iso.W.G. period 4s	20 6	W. 9 G. 6	Green tower; 46.	W. 040°-054°, G.-227°, W.-234°, G.-040°.
792 <i>D 1064</i>	-Pointe de Penlan.	47° 31.0' N 2° 30.2' W	Oc.(2)W.R.G. period 6s lt. 1s, ec. 1s lt. 3s, ec. 1s	85 26	W. 15 R. 11 G. 11	White and red banded tower; 59.	G. 025°-052°, W.-060°, R.-138°, G.-180°, obsc.-292°30', R.-025°.
794 <i>D 1062.5</i>	-Basse de Kenoyal Beacon.	47° 30.4' N 2° 32.6' W	Dir.Q.W.R.	23 7	W. 6 R. 4	S. CARDINAL YB, tower, topmark; 39.	W. 269°-271°, R.-269°.
800 <i>D 1066</i>	-Pointe du Scal, S. side of river mouth, front.	47° 29.7' N 2° 26.8' W	Q.G.	25 8	4	Square green and white tower; 10.	
808 <i>D 1072</i>	Mesquer, jetty, inner end.	47° 25.3' N 2° 28.1' W	Oc.W.R.G. period 4s lt. 3s, ec. 1s	23 7	W. 10 R. 7 G. 7	White column, green top; 23.	W. 067°-072°, R.-102°, W.-118°, G.-067°.
812 <i>D 1074</i>	Piriac-sur-Mer, jetty, head.	47° 22.9' N 2° 32.7' W	Oc.(2)W.R.G. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	26 8	W. 10 R. 7 G. 7	White column; 26.	R. 066°-148°, G.-194°, W.-201°, R.-221°, obsc.-066°. Siren: (0.2 mile SW.) 1 bl. ev. 120s. Occas. (bl. 5s, si. 115s).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-WEST COAST							
PLATEAU DU FOUR:							
820 D 1080	-Le Four.	47° 17.9' N 2° 38.1' W	Fl.W. period 5s fl. 0.1s, ec. 4.9s	75 23	18	White round tower, black bands, green top; 89.	
824	-Bonen du Four Whistle Buoy.	47° 18.5' N 2° 39.3' W	Q.W.			N. CARDINAL BY, pillar.	Whistle. Radar reflector.
828	-Basse Capella Whistle Buoy.	47° 15.7' N 2° 44.8' W	Q.(9)W. period 15s			W. CARDINAL YBY, pillar, topmark.	Whistle. Radar reflector.
832	-Banc de Guerande Whistle Buoy.	47° 08.8' N 2° 42.8' W	V.Q.(6)+L.Fl.W. period 10s			S. CARDINAL YB, pillar, topmark.	Whistle. Radar reflector.
840	-Gouve-Vas du Four Shoal Buoy.	47° 14.9' N 2° 38.2' W	Q.(6)+L.Fl.W. period 15s			S. CARDINAL YB, pillar, topmark.	Radar reflector.
LA TURBALLE:							
844 D 1076	-Jetee Ouest (Garlahy), head.	47° 20.7' N 2° 31.0' W	Fl.(4)W.R. period 12s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	43 13	W. 10 R. 7	White pylon red top; 36.	W. 315°-060°, R.-315°.
848 D 1075.8	-Entrance Range, front.	47° 20.8' N 2° 30.9' W	Dir.Iso.R. period 4s	36 11	3	Metal mast, orange top; 16.	Intensified 004°-009°.
852 D 1075.81	--Rear, 200 meters 006°30' from front.	47° 21.0' N 2° 30.8' W	Dir.Iso.R. period 4s	62 19	3	Metal structure, orange top; 39.	Intensified 004°-009°.
856 D 1078	-Digue Sud (Tourlandroux).	47° 20.8' N 2° 30.9' W	Fl.G. period 4s fl. 1s, ec. 3s	13 4	2	White tank, green top; 16.	(bl. 1 min.). Siren: (about 275 meters NE.) 1 bl. ev. 10 min.
LE CROISIC:							
860 D 1088	-Head of Trehic Jetty, W. side of entrance to port.	47° 18.5' N 2° 31.4' W	Iso.W.G. period 4s	39 12	W. 14 G. 11	Gray granite tower, green top; 39.	G. 042°-093°, W.-145°, G.-345°, obsc.-042°.
862 D 1091	-Basso Hergo.	47° 18.7' N 2° 31.6' W	Fl.G. period 2.5s fl. 0.5s, ec. 2s	16 5	2	STARBOARD (A) G, beacon, topmark; 39.	Radar reflector.
864 D 1094	-Grand Mabon.	47° 18.0' N 2° 31.0' W	Fl.(3)R. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	20 6	2	Red tank and base; 26.	
868 D 1090	-Near beach Range, front.	47° 18.0' N 2° 31.0' W	Dir.Q.W.	33 10	13	White pylon, orange rectangular daymark; 39.	Intensified 154°-158°.
872 D 1090.1	--Rear, 116 meters 156° from front.	47° 17.9' N 2° 30.9' W	Dir.Q.W.	46 14	13	White pylon, green top, orange rectangular daymark; 49.	Intensified 154°-158°. Synchronized with front. Two Q.G. lights in range 174° shown inside entrance.
876 D 1093	-Range, front.	47° 17.9' N 2° 30.8' W	Dir.Q.R.	20 6	8	Red and white checkered pylon, red rectangular daymark; 20.	Intensified 125°30'-143°30'.
880 D 1093.1	--Rear, 52 meters 134°30' from front.	47° 17.9' N 2° 30.8' W	Dir.Q.R.	33 10	8	Red and white checkered pylon, red rectangular daymark; 33.	Intensified 125°30'-143°30'. Synchronized with front.
ESTUAIRE DE LA LOIRE:							
884 D 1098	-Le Pouliguen, jetty, head.	47° 16.4' N 2° 25.4' W	Q.R.	43 13	9	White column, red top; 49.	Visible 171°-081°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-WEST COAST							
888 <i>D 1100</i>	--Petit Impairs Tower.	47° 16.0' N 2° 24.6' W	Fl.(2)G. period 6s fl. 0.2s, ec. 1.4s fl. 0.2s, ec. 4.2s	20 6	2	Green tower; 26.	
892 <i>D 1102</i>	-Pornichet, S. breakwater.	47° 15.5' N 2° 21.1' W	Iso.W.R.G. period 4s	36 11	W. 10 R. 7 G. 7	White tower, green top; 33.	G. 303°-081°, W.-084°, R.-180°, obsc.-303°.
896 <i>D 1096</i>	-La Banche.	47° 10.6' N 2° 28.1' W	Fl.(2)W.R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	72 22	W. 15 R. 11	Black tower, white bands; 98.	R. 266°-280°, W.-266°.
912 <i>D 1150</i>	-Pointe de St. Gildas.	47° 08.0' N 2° 14.8' W	Q.W.R.G.	66 20	W. 14 R. 10 G. 10	Column on white house, green top; 56.	R. 264°-308°, G.-078°, W.-088°, R.-174°, W.-180°, G.-264°.
916 <i>D 1105.5</i>	-Port de la Gravette, breakwater head.	47° 09.6' N 2° 12.7' W	Fl.(3)W.G. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	23 7	W. 8 G. 5	White tower, green top; 20.	G. shore-124°, W.-138°, G.-183°, W.-188°, G.-shore.
920 <i>D 1105</i>	-S. Michel-Chef-ChefPort de Comberge, Jetee Sud, head.	47° 10.5' N 2° 10.0' W	Fl.(2)W.G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	23 7	W. 9 G. 6	White tower, green top; 16.	W. 123°-140°, G. elsewhere.
924 <i>D 1152</i>	-Ile du Pilier.	47° 02.6' N 2° 21.5' W	Fl.(3)W. period 20s fl. 0.1s, ec. 3.9s fl. 0.1s, ec. 3.9s fl. 0.1s, ec. 11.9s	108 33	29	Square gray tower; 112.	
	-Auxiliary light.		Q.R.	33 10	11		Visible 321°-034°.
928	-Buoy "S.N.1."	47° 00.1' N 2° 39.8' W	L.Fl.W. period 10s			SAFE WATER RW, pillar, topmark.	Whistle.
	-RACON		Z(- - • •)				(3 cm)
944 <i>D 1104</i>	-Le Grande Charpentier, Chenal du Nord, N. side.	47° 12.8' N 2° 19.1' W	Q.W.R.G.	72 22	W. 14 R. 10 G. 10	Gray tower with green lantern; 89.	G. 020°-054°, W.-062°, R.-092°, W.-111°, R.-310°, W.-020°.
946	-La Couronnee Lightbuoy.	47° 07.6' N 2° 20.1' W	Q.G.			STARBOARD (A) G, pillar, topmark	Radar reflector.
	-RACON		(• • • • • •)		3		
948 <i>D 1106</i>	-Portce Range , front.	47° 14.6' N 2° 15.4' W	Dir.Q.W.	20 6	22	White column; 75.	Intensified 024°42'-026°12'.
952 <i>D 1106.1</i>	--Rear, 1,350 meters 025°30' from front.	47° 15.3' N 2° 14.9' W	Dir.Q.W.	118 36	24	White metal tower, white rectangular daymark; 62.	Intensified 024°-027°. Synchronized with front.
956 <i>D 1114</i>	-Pointe d'Aiguillon.	47° 14.6' N 2° 15.8' W	Oc.(3)W.R. period 12s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 1.5s lt. 4.5s, ec. 1.5s	89 27	W. 13 R. 10	White tower; 62.	R. 207°-233°, W.-293°, obsc.-297°, W.-300°, R.-327°, W.-023°, obsc.-027°, R.-069°.
960 <i>D 1104.4</i>	-Le Pointeau, Digue Sud, head.	47° 14.0' N 2° 10.9' W	Fl.W.G. period 4s fl. 1s, ec. 3s	13 4	W. 10 G. 7	White round tower, green top; 13.	G. 050°-074°, W.-149°, G.-030°, W.-050°.
962 <i>D 1104.2</i>	-Pointe de Mindin.	47° 16.2' N 2° 10.2' W	Fl.G. period 2.5s	20 6	3	White pylon.	
964 <i>D 1116</i>	--Villes-Martin, jetty, head.	47° 15.3' N 2° 13.7' W	Fl.(2)W. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	33 10	10	White tower, red top; 39.	
968 <i>D 1118</i>	-Les Morees, Banc des Morees, NE. point.	47° 15.1' N 2° 12.9' W	Fl.(3)W.R. period 12s	39 12	W. 6 R. 4	Green tower; 56.	W. 058°-224°, obsc.-300°, R.-058°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-WEST COAST							
-Saint-Nazaire:							
972 <i>D 1122</i>	--W. jetty, head.	47° 16.0' N 2° 12.2' W	Oc.(4)R. period 12s lt. 5s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s	36 11	8	White round tower, red top; 33.	
976 <i>D 1124</i>	--E. jetty.	47° 16.0' N 2° 12.1' W	Oc.(4)G. period 12s lt. 5s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s	36 11	11	White round tower, green top; 33.	Fl.R. and Fl.G. lights mark lock entrance 500m N. and channels between basins.
980 <i>D 1126</i>	--Old mole, head.	47° 16.3' N 2° 11.7' W	Q.(3)W. period 10s fl. 1.5s, ec. 1.5s fl. 1.5s, ec. 5.5s	59 18	11	White round turret, red top; 56.	Visible 153°-30'-063°30'. Weather and traffic signals.
982 <i>D 1127</i>	--Old ferry dock.	47° 16.5' N 2° 11.8' W	Fl.(2)R. period 6s	16 5	1	Red pile; 30.	
984 <i>D 1128</i>	--Old dock entrance.	47° 16.5' N 2° 11.8' W	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	30 9	9	Red pylon; 23.	
985 <i>D 1128.7</i>	--Bassin de Pehoet Range, front.	47° 17.1' N 2° 12.0' W	Dir.F.R.	75 23	17	Red beacon, white bands.	Visible 350°-345°. Occasional.
985.1 <i>D 1128.8</i>	--Rear, 160 meters 344°06' from front.	47° 17.1' N 2° 12.1' W	Dir.F.R.	66 20	17	Red beacon, white bands.	Visible 340°-345°. Occasional.
986 <i>D 1129</i>	--Shipyard slipway.	47° 17.0' N 2° 10.9' W	Fl.(2)R. period 6s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 3.5s	16 5	1	White pylon; 10.	
988 <i>D 1130</i>	--Bridge.	47° 17.2' N 2° 10.2' W	Iso.W. period 4s	180 55		On bridge.	On upstream and downstream side marking center of channel.
992 <i>D 1130.4</i>	--Gron.	47° 17.7' N 2° 09.6' W	Iso.R. period 4s		2	Red column; 10.	
996 <i>D 1131</i>	--Le Village, No. "1".	47° 18.1' N 2° 08.8' W	Q.R.	23 7	8	Red and white tower; 13.	Visible 225°-135°.
1008 <i>D 1137</i>	-Arceau Oil Jetty.	47° 18.4' N 2° 05.4' W	Fl.R. period 4s	33 10	9	White pylon, red top; 26.	
1015 <i>D 1138</i>	--SW. dolphin.	47° 18.1' N 2° 05.0' W	Fl.(2)G. period 6s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 3.5s	39 12	2	Gray column and hut, green top; 36.	
-Donges:							
1016 <i>D 1139</i>	--NE. Dolphin.	47° 18.1' N 2° 04.8' W	Fl.(2)G. period 6s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 3.5s	39 12	2	Green column and hut; 33.	
1024 <i>D 1140</i>	--Jetty, head.	47° 18.3' N 2° 04.2' W	Fl.(2)R. period 6s	29 9	9	Red tower; 26.	Visible 225°-135°.
1028 <i>D 1142</i>	-Paimboeuf, mole, head.	47° 17.4' N 2° 02.0' W	Oc.(3)W.G. period 12s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 1.5s lt. 4.5s, ec. 1.5s	29 9	W. 10 G. 7	White tower, green top; 29.	W. shore-123°, G.-shore.
BAIE DE BOURGNEUF:							
1031 <i>D 1154.5</i>	-Notre Dame.	47° 05.5' N 2° 08.2' W	V.Q.(9)W. period 10s	23 7	3	W. CARDINAL YBY, beacon, topmark; 36.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-WEST COAST							
1032 <i>D 1156</i>	-Pornic, entrance, W. side.	47° 06.6' N 2° 06.9' W	Oc.(4)W.R.G. period 12s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 5s, ec. 1s	75 23	W. 13 R. 9 G. 9	White square tower, green top, white dwelling; 49.	G. shore-051°, W.-079°, R.- shore.
1036 <i>D 1156.7</i>	-Port de Peche, N.	47° 06.9' N 2° 06.2' W	Q.R.	6 2	7	White post; 3.	
1040 <i>D 1156.72</i>	--South.	47° 06.9' N 2° 06.2' W	Q.G.	6 2	7	White post; 3.	
1044 <i>D 1155.2</i>	--Yacht basin, SW. jetty, head.	47° 06.4' N 2° 06.7' W	Fl.(2)R. period 6s fl. 0.2s, ec. 1.4s fl. 0.2s, ec. 4.2s	13 4	2	Black post, red top; 29.	
1048 <i>D 1155</i>	--SW. jetty, elbow.	47° 06.5' N 2° 07.0' W	Fl.W. period 2.5s fl. 0.5s, ec. 2s	13 4	3	Gray post; 3.	
1052 <i>D 1155.4</i>	---E. jetty, head.	47° 06.5' N 2° 06.7' W	Fl.(2)G. period 6s fl. 0.2s, ec. 1.4s fl. 0.2s, ec. 4.2s	13 4	2	Black post, green top; 29.	
1056 <i>D 1156.6</i>	-Jetee de Gourmalon.	47° 06.6' N 2° 06.5' W	Fl.(3)G. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	13 4	7	White post, green top; 16.	
1060 <i>D 1156.8</i>	-La Bernerie-en-Retz, jetty, head.	47° 04.6' N 2° 02.4' W	Fl.R. period 2s fl. 0.4s, ec. 1.6s	13 4	5	White post, red top; 7.	
1064 <i>D 1157</i>	-Le Collet.	47° 01.8' N 1° 59.0' W	Oc.(2)W.R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	23 7	W. 7 R. 5	White hut, red top; 20.	W. shore-093°, R.-shore. About 900 meters SW., 2 Q.G. lights form range 118°.
1068 <i>D 1160</i>	-Etier des Brochets.	46° 59.9' N 2° 01.9' W	Oc.(3)W.R.G. period 12s lt. 4s, ec. 1s lt. 4s, ec. 1s lt. 1s, ec. 1s	26 8	W. 10 R. 7 G. 7	Green tower, white band; 23.	G. 071°-091°, W.-102°30', R.- 116°30', W.-119°30', R.- 164°30', obsc.-071°.
1072 <i>D 1161</i>	-Bec de l'Epoids, bay, SE. shore.	46° 56.4' N 2° 04.5' W	Dir.Iso.W.R.G. period 4s	20 6	W. 10 R. 7 G. 7	White square tower, red top; 23.	G. 106°-113°30', R.-122° G.- 157°30', W.-158°30', R.- 171°30', W.-176°, obsc.- 106°.
ILE DE NOIRMOUTIER:							
1080 <i>D 1162</i>	-Pointe des Dames.	47° 00.7' N 2° 13.3' W	Oc.(3)W.R.G. period 12s lt. 4.5s, ec. 1.5s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 1.5s	112 34	W. 19 R. 15 G. 15	White square tower; 62.	R. 057°-124°, G.-165°, W.- 191°, R.-267°, W.-357°, R.-016°30', G.-057°.
1084 <i>D 1164</i>	-Heaux Jetty, head.	46° 59.3' N 2° 13.1' W	Oc.(2)R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	19 6	6	White column, red top; 23.	
1088 <i>D 1154</i>	-Pierre Moine Tower.	47° 03.4' N 2° 12.4' W	Fl.(2)W. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	46 14	7	ISOLATED DANGER BRB, topmark; 59.	
1092 <i>D 1153</i>	-Basse du Martroger.	47° 02.6' N 2° 17.1' W	Q.W.R.G.	36 11	W. 9 R. 6 G. 6	Yellow tower, black top, double cone topmark, points up; 53.	G. 033°-055°, W.-060°, R.- 095°, G.-124°, W.-153°, R.-201°, W.-240°, R.- 033°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-WEST COAST							
1096 <i>D 1166</i>	-L'Herbaudiere, jetty, head.	47° 01.6' N 2° 17.9' W	Oc.(2+1)W.G. period 12s lt. 4s, ec. 1s lt. 4s, ec. 1s lt. 1s, ec. 1s	29 9	W. 10 G. 7	White column, green top; 23	W. 187°30'-190°, G.-187°30'. 2 Q.W. 7M in line 187°30' mark entrance to harbor.
1100 <i>D 1167</i>	--E. jetty, head.	47° 01.6' N 2° 17.9' W	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	26 8	4	Red tripod mast; 20.	
1102 <i>D 1165</i>	--Entrance Range, front.	47° 01.6' N 2° 17.8' W	Q.W.	16 5	7	Gray post, red top; 13.	Visible 098°-278°.
1102.1 <i>D 1165.1</i>	---Rear, 187°30' from front.	47° 01.4' N 2° 17.9' W	Q.W.	69 21	7	Gray post; 49.	Visible 098°-278°.
1104 <i>D 1168</i>	-Pointe du Devin, W. side of island.	46° 59.1' N 2° 17.6' W	Oc.(4)W.R.G. period 12s lt. 5s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s	33 10	W. 11 R. 8 G. 8	White hut and column, top green; 23.	G. 314°-028°, W.-035°, R.-134°, obsc.-314°.
GOULET DE FROMENTINE:							
1108	-Approach Bell Buoy.	46° 53.1' N 2° 11.4' W	L.Fl.W. period 10s fl. 3s, ec. 7s			SAFE WATER RW, spherical, topmark.	Radar reflector.
1112 <i>D 1170</i>	-Middle Tower.	46° 53.6' N 2° 09.6' W	Fl.(4)R. period 15s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	20 6	5	Red truncated tower; 39.	
1116 <i>D 1174</i>	-Bridge, W. head.	46° 53.5' N 2° 09.0' W	Iso.W. period 4s	105 32	18		On upstream and downstream sides marking the center of the channel.
1120 <i>D 1172</i>	-Pointe Notre Dame-de Monts.	46° 53.3' N 2° 08.5' W	Dir.Oc.(2)W.R.G. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	69 21	W. 13 R. 10 G. 10	White tower, black top; 33.	G. 000°-043°, W.-063°, R.-073°, W.-094°, G.-113°, W.-116°, R.-175°, G.-196°, R.-230°, obsc.-000°.
1124 <i>D 1189</i>	Saint-Jean-de-Monts, on jetty.	46° 47.1' N 2° 05.1' W	Fl.(2)R. period 6s fl. 0.2s, ec. 1.4s fl. 0.2s, ec. 4.2s	33 10	1	White post, red top; 29.	
ILE D'YEU:							
1128 <i>D 1176</i>	-Main.	46° 43.1' N 2° 22.9' W	Fl.W. period 5s fl. 0.1s, ec. 4.9s	184 56	24	White square tower, green lantern; 125.	
1132 <i>D 1178</i>	-Les Chiens Perrins, about 800 meters off NW. extremity of island.	46° 43.6' N 2° 24.6' W	Q.(9)W.G. period 15s	52 16	W. 7 G. 4	W. CARDINAL YBY, tower, topmark; 62.	G. 330°-350°, W.-200°, obsc.-330°.
1136 <i>D 1180</i>	-Joinville (Port-Breton), NW. jetty, head.	46° 43.8' N 2° 20.7' W	Oc.(3)W.G. period 12s lt. 4.5s, ec. 1.5s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 1.5s	20 6	W. 11 G. 8	White octagonal turret, green top; 16.	G. shore-150°, W.-232°, G.-279°, W.-285°, G.-shore.
1140 <i>D 1183</i>	-Quai du Canada Range, front.	46° 43.7' N 2° 20.9' W	Q.R.	36 11	6	Pylon; 30.	Visible 169°-269°.
1140.1 <i>D 1183.1</i>	---Rear, about 85 meters 219° from front.	46° 43.6' N 2° 20.9' W	Q.R.	52 16	5	Mast; 49.	Visible 169°-269°.
1144 <i>D 1184</i>	-Quai du Canada, head.	46° 43.6' N 2° 20.8' W	Iso.G. period 4s	23 7	6	Truncated white tower, green top; 16.	Unintensified 337°-067°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-WEST COAST							
1148 <i>D 1186</i>	-Pointe des Corbeaux.	46° 41.4' N 2° 17.1' W	Fl.(2+1)R. period 15s fl. 0.4s, ec. 2s fl. 0.4s, ec. 5.9s fl. 0.4s, ec. 5.9s	82 25	20	White square tower, red top; 62.	Obscured by high land of Ile d'Yeu 083°-143°.
1152 <i>D 1188</i>	-La Meule, W. side of entrance.	46° 41.5' N 2° 20.6' W	Oc.W.R.G. period 4s lt. 3s, ec. 1s	30 9	W. 9 R. 6 G. 6	Red post on gray tower; 20.	G. 007°30'-018°, W.-027°30', R.-041°30'.
SAINT-GILLES-SUR-VIE:							
1160 <i>D 1190</i>	-Croix de Vie Quay Range, front.	46° 41.9' N 1° 56.7' W	Q.W.	23 7	15	White square tower, red top; 23.	Intensified 033°30'-053°30'.
1164 <i>D 1190.1</i>	--Rear, 260 meters 043°30' from front.	46° 42.0' N 1° 56.6' W	Q.W.	92 28	15	White square tower, red top; 79.	Intensified 033°30'-053°30'. Synchronized with front.
1168 <i>D 1189.6</i>	-Pointe de Grosse Terre.	46° 41.6' N 1° 57.8' W	Fl.(4)W.R. period 12s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	82 25	W. 18 R. 15	White truncated tower; 56.	R. 290°-339°, W. -125°, R.-145°, obsc.-290°.
1172 <i>D 1193</i>	-Jetee de la Garenne.	46° 41.6' N 1° 57.1' W	Fl.G. period 4s fl. 1s, ec. 3s	26 8	6	White tower, green top; 26.	Channel into port marked by lighted buoys.
1176 <i>D 1191</i>	-Jetee de Boisvinet.	46° 41.6' N 1° 57.2' W	Fl.R. period 4s fl. 1s, ec. 3s	26 8	6	Red column; 20.	
LES SABLES-D'OLONNE:							
1180 <i>D 1196</i>	-L'Armandeche.	46° 29.4' N 1° 48.3' W	Fl.(2+1)W. period 15s fl. 0.1s, ec. 2.5s fl. 0.1s, ec. 6.1s fl. 0.1s, ec. 6.1s	138 42	24	White hexagonal tower, red top; 128.	Visible 295°-130°.
1184 <i>D 1198</i>	-Les Barges.	46° 29.7' N 1° 50.4' W	Fl.(2)R. period 10s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 7.4s	82 25	13	Gray tower; 95. Helicopter platform.	Visible 265°-205°.
1196 <i>D 1207</i>	-L'Estacade Range, front.	46° 29.5' N 1° 46.3' W	Iso.W. period 4s	39 12	16	Metal post; 39.	
1200 <i>D 1207.1</i>	--Rear, 330 meters 033° from front.	46° 29.6' N 1° 46.1' W	Iso.W. period 4s	108 33	16	Square tower, white house; 66.	
1204 <i>D 1210</i>	-Entrance Range, front.	46° 29.7' N 1° 47.7' W	Iso.R. period 4s	20 6	9	White hut, red rectangular daymark; 20.	
1208 <i>D 1210.1</i>	--Rear, 65 meters 327° from front.	46° 29.8' N 1° 47.7' W	Dir.Iso.R. period 4s	30 9	9	White tower, red rectangular daymark; 29.	Visible 324°-330°.
1212 <i>D 1200</i>	-Jetee St. Nicolas, head.	46° 29.2' N 1° 47.5' W	Q.R.	52 16	8	White tower, red top; 46.	Visible 143°-094°.
1216 <i>D 1204</i>	-Jetee des Sables, head.	46° 29.4' N 1° 47.5' W	Q.G.	36 11	8	White tower with green top; 30.	
1220 <i>D 1204.1</i>	-Tour de La Chaume, W. side of entrance.	46° 29.7' N 1° 47.7' W	Q.W.	108 33	12	Gray square tower with battlements topped by small white column; 89.	On line 320° with Jetee des Sables Light.
1222 <i>D 1211</i>	-Bourgenay Range, front.	46° 26.4' N 1° 40.5' W	Q.G.	30 9	7	White tower, green rectangular daymark, white base.	Visible 020°-060°.
1222.1 <i>D 1211.1</i>	--Rear, 162 meters 040° from front.	46° 26.5' N 1° 40.4' W	Q.G.	62 19	7	White tower, green rectangular daymark, white border.	Visible 010°-070°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-WEST COAST							
PLATEAU DU ROCHEBONNE:							
1224 D 1213	-NW. Whistle Buoy.	46° 12.9' N 2° 31.9' W	Q.(9)W. period 15s			W. CARDINAL YBY, pillar.	Whistle. Radar reflector.
1228 D 1213.6	-NE. Buoy.	46° 12.7' N 2° 25.0' W	Iso.G. period 4s	26 8	3	STARBOARD (A) G, pillar.	Radar reflector.
1232 D 1213.2	-SW. Buoy.	46° 10.1' N 2° 27.0' W	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	30 9	3	PORT (A) R, pillar.	Radar reflector.
1236 D 1213.4	-SE. Bell Buoy.	46° 09.2' N 2° 21.2' W	Q.(3)W. period 10s			E. CARDINAL BYB, pillar.	Bell. Radar reflector.
PERTUIS DU BRETON:							
1240 D 1214	-Pointe Grouin du Cou.	46° 20.7' N 1° 27.8' W	Fl.W.R.G. period 5s fl. 0.4s, ec. 4.6s	94 29	W. 20 R. 16 G. 16	White octagonal sided tower, black lantern; 52.	R. 034°-061°, W.-117°, G.- 138°, W.-034°.
1244 D 1215	-La Tranche-sur-Mer, Estacade, estremity.	46° 20.6' N 1° 25.5' W	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	20 6	6	Red support; 13.	
1248	-Anse de l' Aiguillon Approach Buoy.	46° 15.8' N 1° 11.3' W	L.Fl.W. period 10s fl. 3s, ec. 7s			SAFE WATER RW, pillar, topmark.	Radar reflector.
1256 D 1242	-Port du Plomb, W. mole, head.	46° 12.4' N 1° 12.1' W	Fl.R. period 4s fl. 1s, ec. 3s	30 9	7	White column, red top; 39.	
1260 D 1216	-Haut Banc du Nord.	46° 15.8' N 1° 35.2' W	Oc.(2)W. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	75 23	11	Pink tower, red top; 105.	
ILE DE RE:							
1268 D 1218	-Les Baleines.	46° 14.6' N 1° 33.7' W	Fl.(4)W. period 15s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 7.4s	174 53	27	Gray octagonal tower, red lantern; 187.	3 F.R. lights shown on semaphore tower 0.1 miles SW.
1272 D 1220	-Fier d'Ars.	46° 14.1' N 1° 28.7' W	Dir.Oc.W.R.G. period 4s lt. 3s, ec. 1s		W. 10 R. 7 G. 7		G. 257°30'-267°30', W.- 268°30', R.-274°30'.
1280 D 1223	-Ars-en-Re Range, front.	46° 12.8' N 1° 30.5' W	Q.W.	16 5	9	White hut, red lantern; 20.	
1284 D 1223.1	--Rear, 370 meters 232° from front.	46° 12.7' N 1° 30.7' W	Q.W.	42 13	11	White tower with green top, black rectangular daymark; 46.	Visible 142°-322°.
1286 D 1224	-Les Islattes.	46° 14.0' N 1° 23.3' W	Q.W.	43 13	3	Tower.	
1292 D 1226	-St. Martin, 100 meters SE. of entrance to port.	46° 12.5' N 1° 21.9' W	Oc.(2)W.R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	59 18	W. 10 R. 7	White tower, red top; 43.	W. shore-245°, R.-281°, W.- shore.
1296 D 1228	--Mole, head.	46° 12.6' N 1° 21.9' W	Fl.G. period 2.5s	33 10	5	White tripod, green top; 23.	
1300 D 1230	-La Flotte, mole, head.	46° 11.3' N 1° 19.3' W	Fl.W.G. period 4s fl. 1s, ec. 3s	33 10	W. 12 G. 9	White turret, green top; 33.	G. 130°-205°, W.-220°, G.- 257°.
1304 D 1232	-Rivedoux-Plage Range, front, jetty, head.	46° 09.8' N 1° 16.6' W	Q.G.	20 6	6	White tower, green top; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-WEST COAST							
1308 <i>D 1232.1</i>	--Rear, 100 meters 194°30' from front.	46° 09.7' N 1° 16.7' W	Q.G.	30 9	6	Two white posts, green top, green and white checkered daymark; 26.	Synchronized with front.
1312 <i>D 1234</i>	-Pointe de Sablanceaux, pier, head.	46° 09.8' N 1° 15.1' W	V.Q.(3)W. period 5s	33 10	5	E. CARDINAL BYB, post; 23.	
PERTUIS D'ANTIOCHE:							
1316 <i>D 1240</i>	-Pointe de Chanchardon, Ile de Re, reef, S. side.	46° 09.8' N 1° 28.3' W	Fl.W.R. period 4s fl. 1s, ec. 3s	49 15	W. 11 R. 8	Black octagonal tower, white base; 66.	R. 110°-290°, W.-110°.
1324 <i>D 1238</i>	-Pointe de Chauveau.	46° 08.0' N 1° 16.4' W	Oc.(3)W.R. period 12s lt. 4.5s, ec. 1.5s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 1.5s	89 27	W. 15 R. 11	White tower, red top; 102.	W. 057°-094°, R.-104°, W.-342°, R.-057°.
-La Pallice:							
1328 <i>D 1244</i>	--Mole d'Escale, (Maritime Station).	46° 09.8' N 1° 14.3' W	Dir.Q.W.R.G.	108 33	W. 14 R. 13 G. 13	Gray tower; 118.	G. 009°-014°42', W.-017°18', R.-031°. Signal mast.
1332 <i>D 1244.6</i>	--NW. angle.	46° 09.9' N 1° 14.4' W	Fl.G. period 4s fl. 1s, ec. 3s	16 5	6	Green round post; 3.	
1336 <i>D 1244.4</i>	---SE. angle, on caisson.	46° 09.6' N 1° 14.3' W	Oc.R. period 4s lt. 3s, ec. 1s	23 7	6	White pylon, red top; 13.	
1340 <i>D 1244.7</i>	-Oil pier, extremity.	46° 09.4' N 1° 14.4' W	Q.(6)+L.Fl.W. period 15s	20 6	9	S. CARDINAL YB, tower; 10.	
1344 <i>D 1245</i>	-N. jetty, head.	46° 09.5' N 1° 13.8' W	Oc.(2)R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	33 10	7	Gray tower, red top; 30.	R. 234°-144°, R. (unintensified) -184, obsc.-234°.
1344.5 <i>D 1246</i>	--S. jetty, head.	46° 09.5' N 1° 13.5' W	Oc.(3)G. period 12s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 4.5s	19 6	7	White beacon, green top; 13.	
1345 <i>D 1247</i>	-Basin Range, front.	46° 09.5' N 1° 12.6' W	Q.R.	69 21	7	White structure; 62.	
1345.1 <i>D 1247.1</i>	--Rear, 154 meters 085° from front.	46° 09.5' N 1° 12.5' W	Q.R.	89 27	7	Red rectangular daymark, white stripe on white mast, red top; 95.	Synchronized with front.
1348 <i>D 1244.8</i>	-W. jetty, head.	46° 09.3' N 1° 13.9' W	Oc.(2)G. period 6s lt. 1s, ec. 1s lt. 3s, ec. 1s	42 13	9	White tower, green top; 36.	
LA PALLICE:							
1351 <i>D 1247.5</i>	-Chef de Baie Fishing Harbor.	46° 08.9' N 1° 13.3' W	Dir.Oc.(3)W.R.G. period 12s lt. 4.5s, ec. 1.5s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 1.5s	33 10	W. 10 R. 7 G. 7	White round metal tower, red bands.	G. 096°-101°, W.-103°, R.-108°.
1351.5 <i>D 1248</i>	--W. jetty, head.	46° 08.9' N 1° 13.6' W	Fl.R. period 2.5s fl. 0.5s, ec. 2s	23 7	4	White tower, red top.	
1351.7 <i>D 1248.5</i>	--S. jetty, head.	46° 08.9' N 1° 13.6' W	Fl.G. period 2.5s fl. 0.5s, ec. 2s	23 7	4	White tower, green top.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-WEST COAST							
1352 <i>D 1243</i>	-Le Lavardin, on reef.	46° 08.1' N 1° 14.5' W	Fl.(2)W. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	46 14	7	ISOLATED DANGER BRB, tower; 69.	
1360 <i>D 1253</i>	-Pointe des Minimes.	46° 08.3' N 1° 10.8' W	Fl.(3)W.G. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	26 8	W. 8 G. 5	Metal post on octagonal tower; 49.	W. 059°-213°, G. 313°-059°.
1364 <i>D 1251</i>	--Entrance Range, front.	46° 09.4' N 1° 09.1' W	Dir.Q.W.	49 15	14	White tower, red top, red and white bands; 46.	Visible 056°-062°. Fl.W. 4s shown by day.
1368 <i>D 1251.1</i>	---Rear, 235 meters 059° from front.	46° 09.4' N 1° 09.0' W	Q.W.	82 25	14	White octagonal tower, green top; 75.	Visible 044°-074°. Obscured 061°-065° Synchronized with front. Fl.W. 4s shown by day.
1380 <i>D 1250</i>	--Tourelle Richelieu.	46° 08.9' N 1° 10.3' W	Fl.R. period 4s fl. 1s, ec. 3s	33 10	7	Red octagonal tower; 56.	
1381 <i>D 1254</i>	-Port of Minimes, W. jetty, head.	46° 08.8' N 1° 10.2' W	Fl.(2)G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	29 9	5	White tower, green top; 23.	
1382 <i>D 1254.2</i>	--E. jetty, head.	46° 08.8' N 1° 10.1' W	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	19 6	5	White tower, red top; 16.	
1384 <i>D 1256</i>	-Ile d'Aix.	46° 00.6' N 1° 10.7' W	Fl.W.R. period 5s fl. 0.3s, ec. 4.7s	79 24	W. 24 R. 20	Two round white towers, red tops; one tower for the light, the other as a screen to make N. limit of red sector more pronounced; 56.	W. 118°-103°, R.-118°.
1385 <i>D 1256.3</i>	-Fort Boyard.	46° 00.0' N 1° 12.8' W	Q.(9)W. period 15s			W. CARDINAL YBY, tower, topmark.	Marks platform close W. Mussel racks marked by Fl.Y. lights 1.4 and 1.9 miles W.
1388 <i>D 1258</i>	-Fouras, jetty, head.	45° 59.8' N 1° 05.9' W	Oc.(3+1)W.G. period 12s lt. 3s, ec. 1s lt. 3s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s	30 9	W. 11 G. 8	Green and white pylon; 26.	W. 127°-084°, G. elsewhere. Passe aux Filles Range Lights between Les Pallas and Ile Madame show Oc.(2)R. 6s (synchronized). F.G. shown at extremity of Jetee de la Fumee, about 1 mile WNW.
1390 <i>D 1259</i>	--Range, front.	45° 59.0' N 1° 05.7' W	Oc.(2)R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	26 8	6	White two column platform, red top; 13.	Visible 315°-135°.
1391 <i>D 1259.1</i>	---Rear, 75 meters 042°30' from front.	45° 59.0' N 1° 05.7' W	Oc.(2)R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	62 19	6	White two column platform, red top; 20.	Visible 315°-135°.
1392 <i>D 1259.4</i>	-Fourao (Port Sud), jetty, head.	45° 59.0' N 1° 05.7' W	Fl.W.R. period 4s fl. 1s, ec. 3s	20 6	W. 9 R. 6	White support, red top; 16.	W. 177°-115°, R.-177°.
1396 <i>D 1258.5</i>	-Jetee de la Fumee, head.	46° 00.3' N 1° 07.1' W	Q.G.	16 5	5	Green post; 26.	
-Charente:							
1400 <i>D 1257</i>	--First Range, front.	45° 58.0' N 1° 04.3' W	Dir.Q.R.	26 8	19	White square tower, red top; 29.	Intensified 113°-117°.
1404 <i>D 1257.1</i>	---Rear, about 600 meters 115° from front.	45° 57.9' N 1° 03.8' W	Dir.Q.R.	69 21	20	White square tower, red top; 75.	Intensified 113°-117°.
			Q.R.	69 21	8		Visible 322°-067° from berth of Port des Barques.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-WEST COAST							
1408 <i>D 1264</i>	--Port des Bargues, second Range, front.	45° 56.9' N 1° 04.2' W	Iso.G. period 4s	16 5	9	White square tower; 19.	Intensified 125°-145°.
1412 <i>D 1264.1</i>	--Rear, 490 meters 134°18' from front.	45° 56.7' N 1° 03.9' W	Iso.G. period 4s	43 13	11	White square tower, black band on W. side, upper part black; 52.	Intensified 125°-145°. Synchronized with front.
ILE D'OLERON:							
1416 <i>D 1272</i>	-Rocher d'Antioche, Ile D'Oleron, N. shore.	46° 04.0' N 1° 23.6' W	Q.W.	66 20	11	N. CARDINAL BY, tower, topmark; 89.	
1420 <i>D 1270</i>	-Chaussiron.	46° 02.9' N 1° 24.5' W	Fl.W. period 10s fl. 0.2s, ec. 9.8s	164 50	28	White round tower, black bands; 151.	
1422 <i>D 1274</i>	-Saint-Denis-d'Oleron.	46° 02.2' N 1° 22.0' W	Fl.(2)W.G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	36 11	W. 9 G. 6	Square stone hut, post; 13.	G. 205°-277°, W.-292°, G.-165°, obsc.-205°.
1422.5 <i>D 1274.6</i>	--S. pier, head.	46° 02.2' N 1° 22.1' W	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	30 9	6	Square stone hut; 3.	
1423 <i>D 1274.4</i>	-Directional light.	46° 01.7' N 1° 21.8' W	Dir.Iso.W.R.G. period 4s	46 14	W. 11 R. 8 G. 8	White concrete post, gallery; 33.	G. 190°-204°, W.-206°, R.-220°.
1424 <i>D 1276</i>	-La Perotine, training wall, head.	45° 58.2' N 1° 13.8' W	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	26 8	5	White pylon, red top; 23.	
1428 <i>D 1277</i>	-Tourelle Juliar.	45° 54.1' N 1° 09.5' W	Q.(3)W.G. period 10s	39 12	W. 11 G. 8	E. CARDINAL BYB, tower, topmark; 69.	W. 147°-336°, G.-147°.
1432 <i>D 1278</i>	-Chateau Range, front.	45° 53.1' N 1° 11.4' W	Q.R.	36 11	7	White tower, red rectangular daymark; 6.	Visible 191°-087°
1436 <i>D 1278.1</i>	--Rear, about 240 meters 319° from front.	45° 53.2' N 1° 11.6' W	Q.R.	79 24	7	White round tower, red top; 59.	
1440 <i>D 1287.5</i>	-St. Trojan.	45° 50.9' N 1° 12.4' W	Fl.G. period 4s	26 8	5	Gray mast; 26.	Viaduct d'Oleron marked by F.W. light 2 kilometers ENE.
-La Cotiniere:							
1444 <i>D 1284</i>	--Approach.	45° 54.3' N 1° 18.7' W	Dir.Oc.W.R.G. period 4s lt. 3s, ec. 1s	43 13	W. 11 R. 9 G. 9	White tower, white rectangular daymark, black border; 20.	G. 033°-046°, W.-050°, R.-063°, obsc.-033°.
1448 <i>D 1285</i>	--Entrance Range, front.	45° 54.8' N 1° 19.6' W	Dir.Oc.(2)W. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	20 6	13	White tower, red top; 16.	Visible 329°-349°. Synchronized with rear.
1452 <i>D 1285.1</i>	---Rear, 425 meters 339° from front.	45° 54.9' N 1° 19.8' W	Dir.Oc.(2)W. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	46 14	12	Pylon, red and white bands; 36.	Synchronized with front. Intensified 329°-349°.
1456 <i>D 1286</i>	--Jetty elbow.	45° 54.9' N 1° 19.7' W	Oc.R. period 4s lt. 3s, ec. 1s	36 11	8	White tower, red top; 36.	R. 133°-218°, obsc.-133°.
1460 <i>D 1286.4</i>	---Head.	45° 54.7' N 1° 19.6' W	Fl.R. period 4s fl. 1s, ec. 3s	33 10	6	White tower, red top; 33.	
1464 <i>D 1286.6</i>	--S. jetty, head.	45° 54.9' N 1° 19.7' W	Iso.G. period 4s	30 9	6	White tower, green top; 26.	
1468 <i>D 1287</i>	--Epi du Colombier, E. side of entrance.	45° 54.8' N 1° 19.7' W	F.Bu.	20 6	3	White tower, violet top; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-WEST COAST							
GIRONDE:							
1472 <i>D 1288.4</i>	-Pointe de Mus de Loup, Seudre River, entrance, S. bank.	45° 47.8' N 1° 08.6' W	Oc.G. period 4s lt. 3s, ec. 1s	26 8	6	Green and white column, white to seaward; 26.	Visible 118°-147°.
1476 <i>D 1290</i>	-Pointe de la Coubre.	45° 41.8' N 1° 13.9' W	Fl.(2)W. period 10s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 7.4s	210 64	28	White tower, red top; 213.	
			F.R.G.	138 42	10	Same tower.	R. 030°-043°, G.-060°, R.- 110°. Auxiliary light.
1478 <i>D 1289</i>	-BXA Buoy.	45° 37.6' N 1° 28.6' W	Iso.W. period 4s			SAFE WATER RW, pillar, topmark.	Whistle. Radar reflector.
-RACON			B(- • • •)				
1480 <i>D 1300</i>	-Plateau de Cordouan.	45° 35.2' N 1° 10.4' W	Oc.(1+2)W.R.G. period 12s lt. 3.6s, ec. 1.2s lt. 3.6s, ec. 1.2s lt. 1.2s, ec. 1.2s	197 60	W. 22 R. 18 G. 18	White conical tower, gray band and gray at top; 223.	W. 014°-126°, G.-178°30', W.-250°, W. (unintensified)-267°, R. (unintensified)-294°30', R.-014°.
1488 <i>D 1293.9</i>	--La Palmyre Range, front.	45° 39.6' N 1° 08.7' W	Dir.Iso.W. period 4s	69 21	20	White round mast on dolphin; 88.	Intensified 080°30'-082°30'.
			Q.(2)W. period 5s fl. 0.2s, ec. 0.8s fl. 0.2s, ec. 3.8s	33 10	2		
1492 <i>D 1294</i>	---Common rear, about 2000 meters 081°30' from La Palmyre, 2100 meters 327° from Terre Negre.	45° 39.8' N 1° 07.2' W	Dir.Q.W.	187 57	27	White radar tower; 118.	Intensified 080°30'-082°30'. Radar station.
			Dir.F.R.	187 57	17		Intensified 325°30'-328°30'. Auxiliary light.
1496 <i>D 1294.1</i>	--Terre Negre Range, front.	45° 38.8' N 1° 06.3' W	Oc.(3)W.R.G. period 12s lt. 4.5s, ec. 1.5s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 1.5s	128 39	W. 18 R. 14 G. 14	Tower, upper part red, lower part white; 89.	R. 304°-319°, W.-327°, G.- 000°, W.-004°, G.-097°, W.-104°, R.-116°.
1500 <i>D 1310</i>	--Saint Nicolas Range, front.	45° 33.8' N 1° 04.9' W	Dir.Q.G.	72 22	16	White square tower; 42.	Intensified 061°30'-064°30'.
1504 <i>D 1310.1</i>	--Pointe de Grave, rear, about 1,550 meters 063° from front.	45° 34.2' N 1° 03.9' W	Oc.W.R.G. period 4s lt. 3s, ec. 1s	85 26	W. 19 R. 15 G. 15	Square white tower, corners and top black; 82.	W. 330°-341°, W. (unintensified)-025°, obsc.-033°, W. (unintensified)-054°, W.- 233°30', R.-303°, W.- 312°, G.-330°.
1505 <i>D 1313</i>	----N. jetty.	45° 34.5' N 1° 03.6' W	Q.W.	30 9	2	N. CARDINAL BY, beacon, topmark; 23.	Radar reflector.
1506 <i>D 1313.2</i>	----E. Elbow.	45° 34.3' N 1° 03.5' W	Iso.G. period 4s	26 8	3	STARBOARD (A) G, beacon, topmark; 23.	Visible 173°-020°. Radar reflector.
1508 <i>D 1312</i>	--Le Chay Range, front.	45° 37.3' N 1° 02.4' W	Dir.Q.R.	108 33	18	White tower, red top; 49.	Intensified 039°30'-042°30'.
1512 <i>D 1312.1</i>	---St. Pierre, rear, about 1.8 km. 041° from front.	45° 38.0' N 1° 01.5' W	Dir.Q.R.	200 61	18	Red water tower; 131.	Intensified 039°-043°.
1516 <i>D 1314</i>	-Port Bloc, N. mole, head.	45° 34.2' N 1° 03.7' W	Fl.G. period 4s fl. 1s, ec. 3s	30 9	3	White metal tower, green top.	Shown by day in fog.
1520 <i>D 1316</i>	--S. mole, head.	45° 34.1' N 1° 03.7' W	Fl.R. period 4s fl. 1s, ec. 3s	26 8	4	White tower, red top; 56.	Shown by day in restricted visibility.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-WEST COAST							
-Passe Sud:							
1524 <i>D 1326</i>	--Oil pier.	45° 31.9' N 1° 02.1' W	Dir.Iso.W.R.G. period 4s	13 4	W. 12 R. 8 G. 8	Dolphin, white rectangular daymark, black stripe; 36.	G. 165°-170°, W.-173°, R.- 178°.
			Fl.G. period 2.5s	16 5	3		
1532 <i>D 1327</i>	-Pointe de la Chambrette, N. side.	45° 33.1' N 1° 02.5' W	Fl.(3)G. period 12s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 7s	43 13	2	Green structure; 10.	
1533 <i>D 1327.2</i>	--S. side.	45° 32.7' N 1° 02.4' W	Fl.G. period 2.5s fl. 0.5s, ec. 2s	39 12	3	Metal structure; 3.	Visible 000°-200°.
-Royan:							
1536 <i>D 1304</i>	--S. Jetty.	45° 37.0' N 1° 01.8' W	Fl.(2)R. period 10s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 7.3s	36 11	12	White tower, red base; 33.	
1540 <i>D 1308</i>	--New Jetty, head.	45° 37.2' N 1° 01.6' W	Fl.(3)R. period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	26 8	6	White tower, red top; 23.	
1544 <i>D 1307</i>	--E. Jetty.	45° 37.3' N 1° 01.6' W	Fl.(3)G. period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	7 2	6	White post, green top; 13.	Visible 311°-151°.
1556 <i>D 1372</i>	Hourtin.	45° 08.5' N 1° 09.7' W	Fl.W. period 5s fl. 0.1s, ec. 4.9s	180 55	23	Red square brick tower; 89.	
1560 <i>D 1378</i>	Cap Ferret.	44° 38.9' N 1° 14.8' W	Fl.R. period 5s fl. 0.1s, ec. 4.9s	175 53	27	White tower, red top; 171.	Radiobeacon.
			Oc.(3)W. period 12s lt. 1.5s, ec. 1.5s	151 46	14	Same tower.	Visible 045°-135°. Auxiliary light.
1576 <i>D 1380</i>	-La Salie, wharf, head.	44° 30.9' N 1° 15.7' W	Q.(9)W. period 15s	59 18	4	W. CARDINAL YBY, topmark.	
1580 <i>D 1382</i>	Contis-les-Bains.	44° 05.7' N 1° 19.2' W	Fl.(4)W. period 25s fl. 0.1s, ec. 4.1s fl. 0.1s, ec. 4.1s fl. 0.1s, ec. 4.1s fl. 0.1s, ec. 12.3s	164 50	23	White round tower, black diagonal stripes; 138.	F.R. light on radio mast 16.5 miles NNE.
L'ADOUR:							
1584 <i>D 1384</i>	-Capbreton-Digue Nord, head.	43° 39.4' N 1° 26.8' W	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	42 13	12	White tower, red top; 20.	Horn: 1 bl. ev. 30s (bl. 3s, si. 27s).
1588 <i>D 1386</i>	-Capbreton-Estacade Sud.	43° 39.4' N 1° 26.8' W	Fl.(2)G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	30 9	8	White tower; 26.	Visible 335°-245°.
1592 <i>D 1386.5</i>	- "BA" Approach Buoy.	43° 32.6' N 1° 32.8' W	L.Fl.W. period 10s fl. 3s, ec. 7s	26 8	5	SAFE WATER RW, pillar, topmark.	Radar reflector.
1596 <i>D 1387</i>	-N. breakwater, head.	43° 31.9' N 1° 31.9' W	Q.R.	36 11	8	White tower, red top; 30.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-WEST COAST							
1600 <i>D 1387.2</i>	-Entrance Range, front.	43° 31.9' N 1° 31.2' W	Dir.Q.W.	30 9	19	White pylon, red top; 20.	Intensified 086°30'-093°30'.
1604 <i>D 1387.21</i>	--Rear, 250 meters 090° from front.	43° 31.9' N 1° 31.0' W	Dir.Q.W.	49 15	19	White pylon, red top; 39.	Intensified 086°30'-093°30'.
1608 <i>D 1387.3</i>	-Jetee Nord, head.	43° 31.8' N 1° 31.4' W	Iso.R. period 4s	39 12	8	White pylon, red top; 33.	Visible 296°-116°.
1612 <i>D 1387.4</i>	-Jetee Sud, head.	43° 31.8' N 1° 31.4' W	Iso.G. period 4s	30 9	10	White square tower, green top; 26.	
1616 <i>D 1387.5</i>	-S. breakwater, head.	43° 31.5' N 1° 31.8' W	Q.(9)W. period 15s	49 15	6	W. CARDINAL YBY, pylon, topmark; 46.	
1620 <i>D 1388</i>	-Inner Range, front.	43° 31.6' N 1° 31.0' W	Dir.Q.G.	20 6	14	White hut, green bands; 13.	Intensified 109°-114°. Moved to meet changes in the channel. Lit when channel is practicable.
1624 <i>D 1388.1</i>	--Rear, 149 meters 111° 30' from front.	43° 31.7' N 1° 30.8' W	Dir.Q.G.	33 10	14	White tower, green bands, on NE. and NW. faces; 30.	Intensified 109°-114°.
1624.5 <i>D 1390</i>	-Training wall, N. side.	43° 31.8' N 1° 31.2' W	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	30 9	8	White column, red top; 16.	Visible 296°-091°. Fl.(3)R. 12s 9m 3M and Fl.(4)R. 15s 9m 3M mark N. bank.
1625 <i>D 1390.5</i>	-S. side.	43° 31.6' N 1° 30.9' W	Q.G.	23 7	8	White column, green top; 13.	Visible 205°-295°. Fl.(3)G. 12s 9m 3M and Fl.(4)G. 15s 9m 3M mark S. bank.
1628 <i>D 1394</i>	-Des Forges Range, front.	43° 31.7' N 1° 29.9' W	Dir.Q.R.	59 18	8	White tower, red top; 43.	Visible 188°-098°.
1632 <i>D 1394.1</i>	--Rear, about 150 meters 322°24' from front.	43° 31.8' N 1° 29.9' W	Dir.Q.R.	59 18	13	Pylon.	Intensified 312°24'-332°24'.
1633 <i>D 1391</i>	-Marina entrance, W. side.	43° 31.6' N 1° 30.4' W	Fl.G. period 2s fl. 0.4s, ec. 1.6s	16 5	2	White pylon, green top; 13.	
1634 <i>D 1392</i>	-Digue basse, E. end.	43° 31.6' N 1° 30.0' W	Fl.(2)G. period 6s fl. 0.2s, ec. 1.4s fl. 0.2s, ec. 4.2s	10 3	4	White pylon, green top; 20.	
1636 <i>D 1395</i>	-Pointe de Blancpignon.	43° 30.9' N 1° 29.6' W	Fl.(2)G. period 6s fl. 0.2s, ec. 1.4s fl. 0.2s, ec. 4.2s	26 8	9	White column, green top; 23.	
1648 <i>D 1396</i>	-Forme de Radoub.	43° 30.5' N 1° 29.8' W	V.Q.G.	56 17	3	White structure, green top; 39.	
1656 <i>D 1400</i>	-L'Aveugle Bridge.	43° 30.1' N 1° 29.5' W	Dir.Q.W.R.G.		W. R. G. 10 7 7	Metal column.	G. 165°-170°, W.-175°, R.-195°.
1660 <i>D 1410</i>	Pointe St. Martin.	43° 29.6' N 1° 33.3' W	Fl.(2)W. period 10s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 7.4s	240 73	29	Round white tower, black top; 154.	
1664 <i>D 1413</i>	Guethary Range, front.	43° 25.6' N 1° 36.5' W	Q.R.	36 11	6	White post, red top, white rectangular daywork; 26.	
1668 <i>D 1413.1</i>	-Rear, about 66 meters 123° from front.	43° 25.6' N 1° 36.5' W	Q.R.	108 33	6	White tower; 23.	
1672 <i>D 1412.4</i>	-Port des Pecheurs entrance Range, front.	43° 29.1' N 1° 33.9' W	Fl.R. period 2s fl. 0.4s, ec. 1.6s	23 7	3	White metal mast; 13.	
1676 <i>D 1412.41</i>	--Rear, 83 meters 174° from front.	43° 29.0' N 1° 33.9' W	Fl.R. period 2s fl. 0.4s, ec. 1.6s	62 19	3	White metal mast; 13.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-WEST COAST							
BAIE DE ST.-JEAN-DE-LUZ:							
1680 <i>D 1414</i>	-Pointe St. Barbe Range, front.	43° 24.0' N 1° 39.8' W	Oc.(4)R. period 12s lt. 5s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s	98 30	18	White structure, white triangular daymark; 23.	Intensified 095°-107°.
1684 <i>D 1416</i>	--Rear, 340 meters 101° from front.	43° 24.0' N 1° 39.5' W	Oc.(4)R. period 12s lt. 5s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s	154 47	18	White square tower, black triangular daymark; 49.	Intensified 095°-107°. Synchronized with front.
1688 <i>D 1418</i>	-E. jetty, Range, front.	43° 23.3' N 1° 40.1' W	Dir.Q.G.	59 18	16	White square tower, red stripe; 46.	Intensified 149°30'-152°00'.
1692 <i>D 1420</i>	--Rear, 410 meters 150°42' from front.	43° 23.0' N 1° 40.0' W	Dir.Q.G.	89 27	16	White square tower, green stripe; 89.	Intensified 149°42'-152°12'.
1696 <i>D 1422</i>	-Digue des Criquas, head.	43° 23.9' N 1° 40.6' W	Iso.G. period 4s	36 11	6	Square green tower; 20.	
1700 <i>D 1424</i>	Le Socoa Range, front.	43° 23.8' N 1° 41.1' W	Q.W.R.	118 36	W. 12 R. 8	White square turret, black stripe; 39.	R. 264°-282°, W. elsewhere. Siren: (300 meters E.)
1704 <i>D 1424.1</i>	-Bordagain, rear, 1,430 meters 138°30' from front.	43° 23.2' N 1° 40.4' W	Dir.Q.W.	220 67	20	White tower with black bands, black rectangular daymark, white band; 39.	Intensified 134°30'-141°30'.
1708 <i>D 1425</i>	Hendaye, jetty, head.	43° 22.7' N 1° 47.2' W	L.F.I.R. period 10s fl. 3s, ec. 7s	23 7	5	White column, red top; 13.	

Section 2

North and West Coasts of Spain

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-NORTH COAST							
1712 <i>D 1452</i>	Cabo Higuer.	43° 23.6' N 1° 47.4' W	Fl.(2)W. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	213 65	23	White masonry tower and lantern; 69.	Visible 072°-340°.
1716 <i>D 1454.3</i>	Puerto de Fuenterrabia, N. breakwater.	43° 23.2' N 1° 47.2' W	Q.(3)W. period 5s fl. 0.2s, ec. 0.8s fl. 0.2s, ec. 0.8s fl. 0.2s, ec. 2.8s	49 15	3	E. CARDINAL BYB, tower, topmark; 16.	
1717 <i>D 1454</i>	-Elbow.	43° 23.3' N 1° 47.3' W	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	1	Metal post; 23.	F.G. marks head of breakwater.
1720 <i>D 1454.6</i>	-S. breakwater, head.	43° 23.3' N 1° 47.4' W	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	29 9	1	Metal post; 23.	
1724 <i>D 1453</i>	-Training wall.	43° 22.9' N 1° 47.3' W	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	36 11	5	Green tower; 16.	
PUERTO DE PASAJES:							
1728 <i>D 1456</i>	-Pasajes Ancho, on Cabo La Plata.	43° 20.1' N 1° 56.0' W	Oc.W. period 4s lt. 3s, ec. 1s	502 153	13	White building; 43.	Obscured 250°-285°. 6 F.R. mark radio tower 1.96 km. 254°.
1730 <i>D 1456.2</i>	-East Bancha.	43° 20.2' N 1° 55.7' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	52 16	7	Red metal tower; 52.	
1731 <i>D 1456.4</i>	-West Bancha.	43° 20.2' N 1° 55.9' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	52 16	7	Green metal tower; 52.	
1732 <i>D 1457</i>	-Arando Grande, on E. entrance point.	43° 20.1' N 1° 55.7' W	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	39 12	7	White masonry tower, red bands; 26.	
1734 <i>D 1457.5</i>	-Atalaya Semaforo, Pilot lookout station.	43° 20.0' N 1° 55.5' W	3 Fl.R. period 2s	322 98	5	Red and white structure; 30.	
			3 F.G.				
			3 F.R.				
			-RACON			K(- • -) period 72s	20
1736 <i>D 1458</i>	-Senocozulua.	43° 19.8' N 1° 55.6' W	Dir.Oc.(2)W.R.G. period 12s lt. 7.5s, ec. 1.5s lt. 1.5s, ec. 1.5s	171 52	W. 6 R. 3 G. 3	White prismatic tower with cupola on white building; 23.	G. 129°30'-154°30', W.-157°, R.-190°. Bounding the W. sectors, there are two small sectors in which up to 3 km. the light is but faintly seen.
			-RACON			M(- -)	
1740 <i>D 1459</i>	--Range, front.	43° 20.0' N 1° 55.5' W	Q.W.	226 69	18	White masonry tower; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-NORTH COAST							
1744 <i>D 1459.1</i>	--Rear, about 45 meters 154°49' from front.	43° 19.8' N 1° 55.6' W	Oc.W. period 3s lt. 2s, ec. 1s	289 88	18	Masonry tower; 16.	
1748 <i>D 1460</i>	-Dique de Senocozulua, head.	43° 19.9' N 1° 55.6' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	46 14	7	White tower, green bands; 23.	
1752 <i>D 1462</i>	-Punta de las Cruces, in water, E. of point.	43° 19.9' N 1° 55.5' W	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	36 11	7	Green and white metal tower; 20.	
1756 <i>D 1468</i>	-Punta del Mirador.	43° 19.7' N 1° 55.3' W	Fl.R. period 5s fl. 1s, ec. 4s	43 13	5	Stone tower; 23.	
1760 <i>D 1470</i>	-Ermita de Santa Ana.	43° 19.6' N 1° 55.2' W	Oc.R. period 4s lt. 3s, ec. 1s	112 34	5	Red and white tower; 20.	
1764 <i>D 1466</i>	-Castilla de Santa Isabel, on point.	43° 19.7' N 1° 55.4' W	Fl.(4)R. period 11s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 4s	43 13	7	Red tower, white band; 26.	
1768 <i>D 1472</i>	-Punta Teodoro Arroca.	43° 19.9' N 1° 55.4' W	Fl.(3)R. period 9s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 4s	70 21	7	Red and white metal tower; 30.	
1772 <i>D 1474</i>	-Punta Calparra, W. side.	43° 19.7' N 1° 55.4' W	Fl.(4)G. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	36 11	5	Green metal tower on white hut; 23.	
1776 <i>D 1475</i>	-Punta de la Torre de San Pedro, pier, head.	43° 19.6' N 1° 55.3' W	Fl.G. period 5s fl. 1s, ec. 4s	33 10	5	White structure; 23.	
SAN SEBASTIAN:							
1788 <i>D 1483</i>	-Igueldo.	43° 19.3' N 2° 00.7' W	Fl.(2+1)W. period 15s fl. 0.4s, ec. 1.8s fl. 0.4s, ec. 6s fl. 0.4s, ec. 6s	440 134	26	White round tower on N. side of dwelling; 42.	F.W. lights shown at head of W. and E. piers of Darsena de la Concha.
1792 <i>D 1482</i>	-Isla de Santa Clara, inside entrance to port, W. side.	43° 19.3' N 1° 59.9' W	Fl.W. period 5s fl. 1s, ec. 4s	174 53	9	White round tower on N. side of dwelling; 33.	
1796 <i>D 1484</i>	-La Concha Range, front.	43° 18.9' N 1° 59.5' W	Q.R.	39 12	7	Gray metal post; 16.	Visible 143°-173°.
1800 <i>D 1484.1</i>	--Rear, about 25 meters 158° from front.	43° 18.8' N 1° 59.4' W	Oc.R. period 4s lt. 3s, ec. 1s	59 18	7	Gray metal post; 30.	Visible 154°-162°.
1802 <i>D 1488.2</i>	-Puerto de Orio.	43° 17.4' N 2° 07.9' W	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	46 14	3	Grey round tower; 27.	4 F.W. light shown about 250 meters W.
1804 <i>D 1489</i>	Guetaria.	43° 18.6' N 2° 12.1' W	Fl.(4)W. period 15s fl. 0.4s, ec. 2.1s fl. 0.4s, ec. 2.1s fl. 0.4s, ec. 2.1s fl. 0.4s, ec. 7.1s	305 93	21	White octagonal tower; 46.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-NORTH COAST							
1808 <i>D 1493</i>	Zumaya, on Monte Atalaya.	43° 18.2' N 2° 15.1' W	Oc.(1+3)W. period 12s lt. 3s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 3s, ec. 1s	135 41	12	White octagonal tower, blue cupola; 39.	
1812 <i>D 1494</i>	-Breakwater, head.	43° 18.2' N 2° 15.0' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	65 20	5	Stone tower; 23.	
1816 <i>D 1494.2</i>	-Head of jetty, about 0.2 km. ESE. of Zumaya.	43° 18.1' N 2° 15.0' W	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	33 10	3	Stone tower; 10.	
PUERTO DE MOTRICO:							
1820 <i>D 1495</i>	-W. mole, head.	43° 18.5' N 2° 22.9' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	39 12	1	Post; 20.	
1824 <i>D 1496</i>	-Entrance Range, front, E. mole, head.	43° 18.5' N 2° 22.9' W	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	39 12	3	Mast; 20.	
1828 <i>D 1496.1</i>	--Rear, tower of Ermita de San Miguel, 236° 30' from front.	43° 18.5' N 2° 22.9' W	F.R.	213 65	5	Tower; 49.	
ONDARROA:							
1832 <i>D 1498</i>	-N. breakwater.	43° 19.5' N 2° 24.9' W	Fl.(3)G. period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4.5s	49 15	12	Round green metal tower; 10.	Siren: Mo.(O)ev. 20s (bl.3s, si. 1s, bl.3s, si. 1s, bl.3s si. 9s).
-RACON							
			G(— •)				
1836 <i>D 1499</i>	-E. mole, head.	43° 19.5' N 2° 25.1' W	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	30 9	6	White truncated tower; 16.	F.G. on head of N. mole, F.R. on head of S. mole at inner basin entrance.
LEQUEITIO:							
1840 <i>D 1502</i>	-Cabo de Santa Catalina.	43° 22.6' N 2° 30.6' W	Fl.(1+3)W. period 20s fl. 0.3s, ec. 6.4s fl. 0.3s, ec. 3s fl. 0.3s, ec. 3s fl. 0.3s, ec. 6.4s	151 46	17	Gray conical tower on octagonal base; 42.	Nautophone: Mo.(L) ev. 20s.
1844 <i>D 1504</i>	-Rompeolas de Amandarri.	43° 22.0' N 2° 30.0' W	Fl.G. period 4s fl. 1s, ec. 3s	33 10	5	Gray brick tower; 16.	
1848 <i>D 1506</i>	-Muelle del Tinglado, S. extremity.	43° 21.9' N 2° 30.1' W	F.G.	23 7	2	Aluminum mast; 13.	
1852 <i>D 1508</i>	-Muelle Sur, N. extremity.	43° 21.9' N 2° 30.0' W	F.R.	20 6	2	Red post; 13.	
1856 <i>D 1505</i>	-Dique Aislado, extremity.	43° 21.9' N 2° 30.0' W	Fl.(2)R. period 8s fl. 1s, ec. 1.5s fl. 1s, ec. 4.5s	23 7	4	Gray brick tower; 16.	
1860 <i>D 1510</i>	Elanchove, W. breakwater, N. head.	43° 24.2' N 2° 38.3' W	F.W.R.	30 9	W. 8 R. 5	Red metal tripod; 19.	W. 000°-315°, R.-000°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-NORTH COAST							
1864 <i>D 1510.4</i>	-Dique Norte, head.	43° 24.2' N 2° 38.3' W	Fl.G. period 3s fl. 1s, ec. 2s	33 10	4	Green metal tripod; 16.	
PUERTO DE BERMEO:							
1868 <i>D 1512</i>	-Rosape, Punta Lamiaren, S. side of harbor.	43° 25.0' N 2° 42.8' W	Fl.(2)W.R. period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	125 38	7	White building.	R. 108°-204°, W.-232°.
1872 <i>D 1513</i>	-Dique Rompeolas, head.	43° 25.3' N 2° 42.7' W	Fl.G. period 4.5s fl. 1s, ec. 3.5s	59 18	4	Gray truncated masonry tower.	
1876 <i>D 1513.2</i>	--Spur normal to Dique Rompeolas, head.	43° 25.2' N 2° 43.0' W	F.G.	23 7	2	Green metal tripod; 10.	
1880 <i>D 1514</i>	-Espigon Norte, head.	43° 25.1' N 2° 43.1' W	F.G.	23 7	3	Green tower; 10.	Partially obscured by Dique Rompeolas.
1888 <i>D 1513.4</i>	Breakwater, head.	43° 25.2' N 2° 42.8' W	Fl.R. period 3s fl. 0.5s, ec. 2.5s	26 8	3	Red metal tripod; 10.	
1892 <i>D 1520</i>	Cabo Machichaco.	43° 27.2' N 2° 45.2' W	Fl.W. period 7s fl. 0.3s, ec. 6.7s	400 122	24	Stone tower on NW. corner of gray building, aluminum lantern; 66.	Siren: 2 bl. ev. 60s.
1896 <i>D 1521</i>	Arminza, N. end of training wall.	43° 26.0' N 2° 54.0' W	Fl.(2)R. period 8s fl. 1s, ec. 1.5s fl. 1s, ec. 4.5s	30 9	4	Gray masonry tower; 13.	
1898 <i>D 1523</i>	Gorliz.	43° 25.9' N 2° 56.7' W	Fl.(1+2)W. period 16s fl. 1s, ec. 3s fl. 1s, ec. 1s fl. 1s, ec. 9s	541 165	22	White tower; 69.	
BILBAO:							
1900 <i>D 1524</i>	-Punta Galea.	43° 22.4' N 3° 02.0' W	Fl.(3)W. period 8s fl. 0.2s, ec. 1.5s fl. 0.2s, ec. 1.5s fl. 0.2s, ec. 4.4s	276 84	19	Stone tower and dwelling, gray cupola; 26.	Visible 011°-227°. Siren: (about 200 meters NNW.) Mo.(G) ev. 30s (bl. 2.5s, si. 2s, bl. 2.5s, si. 2s, bl. 1s, si. 20s).
1904 <i>D 1524.2</i>	--Breakwater, head.	43° 22.8' N 3° 04.6' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	69 21	7	Red metal post with upper platform; 46.	
1908 <i>D 1526.4</i>	-Punta Lucero, breakwater, head.	43° 22.7' N 3° 05.0' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	75 23	10	Green tripod; 13.	Radar reflector.
	-RACON		X(— • • —) period 72s		20		
1910 <i>D 1526.6</i>	--Pontoon.	43° 21.9' N 3° 05.4' W	Fl.(4)Y. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	30 9	1	Yellow post, platform; 16.	
1910.5 <i>D 1526.65</i>	-Ciervana, breakwater, elbow.	43° 21.7' N 3° 04.3' W	Fl.(2+1)G. period 10s fl. 0.5s, ec. 0.8s fl. 0.5s, ec. 2s fl. 0.5s, ec. 5.7s	72 22	5	Green round tower, red stripe; 16.	Visible 014°-275°.
1910.6 <i>D 1524.4</i>	--Head.	43° 21.5' N 3° 02.8' W	Fl.(2)G. period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6s	72 22	5	Green round tower; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-NORTH COAST							
1911 <i>D 1524.6</i>	-Santurce, breakwater, head.	43° 21.1' N 3° 02.7' W	Fl.(2+1)G. period 10s fl. 0.5s, ec. 0.8s fl. 0.5s, ec. 2s fl. 0.5s, ec. 5.7s	49 15	3	Green round tower, red stripe; 16.	
1912 <i>D 1525</i>	-E. breakwater, head.	43° 20.5' N 3° 01.7' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	59 18	3	White masonry tower; 49.	
1913 <i>D 1525.1</i>	--E. breakwater, middle.	43° 20.5' N 3° 01.2' W	Oc.W.R. period 4s lt. 3s, ec. 1s	36 11	3	Gray column; 20.	W. 134°-149°, R-174°.
1914 <i>D 1526.2</i>	-Marina GETXO, breakwater, head.	43° 20.2' N 3° 01.0' W	Q.R.	16 5	1	Red column; 13.	
1920 <i>D 1527</i>	-Breakwater, head.	43° 20.8' N 3° 01.9' W	Fl.(3)G. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	66 20	3	Gray round tower; 45.	
1924 <i>D 1527.2</i>	-Espigon No. "1", N. corner, head.	43° 20.6' N 3° 01.9' W	Fl.(4)G. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	52 16	1	Gray metal tripod; 30.	
1928 <i>D 1527.22</i>	--S. corner, head.	43° 20.6' N 3° 01.9' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	52 16	1	Green post; 30.	
1932 <i>D 1527.4</i>	-Espigon No. "2", N. angle, pier under construction.	43° 20.5' N 3° 01.9' W	Fl.(2+1)G. period 10s fl. 0.5s, ec. 0.7s fl. 0.5s, ec. 2.1s fl. 0.5s, ec. 5.7s	43 13	1	Green column, red band; 20.	
1936 <i>D 1527.42</i>	--S. extremity.	43° 20.3' N 3° 01.9' W	Fl.(2)G. period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6s	52 16	1	Green framework tripod; 30.	
1938 <i>D 1528</i>	-Espigon No. "3", N. corner, head.	43° 20.1' N 3° 01.7' W	Fl.(2+1)G. period 10s fl. 0.5s, ec. 0.7s fl. 0.5s, ec. 2.1s fl. 0.5s, ec. 5.7s	39 12	1	Framework tripod on white hut; 30.	
1938.1 <i>D 1528.2</i>	--S. corner, head.	43° 20.0' N 3° 01.7' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	39 12	1	Framework tripod on green hut; 30.	
1939 <i>D 1530</i>	-Santurce Harbor.	43° 19.8' N 3° 01.8' W	Fl.(3)G. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	23 7	1	Green post; 13.	
1940 <i>D 1529</i>	-Portugalete, Churruca Mole No. "3", head.	43° 20.0' N 3° 01.5' W	Fl.(2+1)G. period 10s fl. 0.5s, ec. 0.7s fl. 0.5s, ec. 2.1s fl. 0.5s, ec. 5.7s	46 14	1	Green concrete tower, red band; 26.	
1944 <i>D 1531</i>	-La Mojijonera, jetty No. "4", head.	43° 19.8' N 3° 01.1' W	Fl.(2)R. period 6s fl. 0.7s, ec. 0.7s fl. 0.7s, ec. 3.9s	33 10	1	Red metal tripod; 13.	
1948 <i>D 1532</i>	-Muelle de la Benedicta.	43° 19.2' N 3° 00.5' W	Fl.(2+1)G. period 10s fl. 0.5s, ec. 0.7s fl. 0.5s, ec. 2.1s fl. 0.5s, ec. 5.7s	39 12	1	Green metal tripod, red band; 26.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-NORTH COAST							
1952 <i>D 1532.6</i>	-Darsena de Axpe, submerged mole.	43° 18.7' N 2° 58.8' W	Fl.(2+1)R. period 10s fl. 0.5s, ec. 0.7s fl. 0.5s, ec. 2.1s fl. 0.5s, ec. 5.7s	43 13	1	Red metal tripod, green band; 26.	
1956 <i>D 1532.4</i>	--Morro del Fraile.	43° 18.8' N 2° 59.3' W	Fl.(3)R. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	33 10	1	Red metal tripod; 26.	
CASTRO-URDIALES:							
1964 <i>D 1536</i>	-Castillo de Santa Ana.	43° 23.0' N 3° 12.9' W	Fl.(4)W. period 24s fl. 0.6s, ec. 3.4s fl. 0.6s, ec. 3.4s fl. 0.6s, ec. 3.4s fl. 0.6s, ec. 11.4s	161 49	20	White conical tower; 52.	Siren: Mo.(C) ev. 60s (bl. 5s, si. 1.5s, bl. 2s, si. 1.5s, bl. 5s, si. 1.5s, bl. 2s, si. 41.5s).
1972 <i>D 1537</i>	-N. breakwater, head.	43° 22.9' N 3° 12.6' W	Fl.G. period 3s fl. 0.3s, ec. 2.7s	46 14	6	Octagonal tower; 23.	
1976 <i>D 1537.2</i>	--S. breakwater.	43° 22.7' N 3° 12.7' W	Q.(2)R. period 6s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 4.5s	33 10	5	Gray pillar.	F.G. light marks N. mole, F.R. light marks S. mole.
PUERTO DE LAREDO:							
1980 <i>D 1540</i>	-N. breakwater, head.	43° 24.9' N 3° 25.2' W	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	36 11	5	Concrete tower; 10.	
RIA DE SANTONA:							
1984 <i>D 1542</i>	-Punta del Pescador, Mount Santana.	43° 27.9' N 3° 26.1' W	Fl.(3+1)W. period 18s fl. 1.5s, ec. 1.5s fl. 1.5s, ec. 1.5s fl. 1.5s, ec. 4.5s fl. 1.5s, ec. 4.5s	128 39	17	Conical masonry tower; 43.	
1992 <i>D 1546</i>	-SW. corner of passenger mole Range, front.	43° 26.4' N 3° 27.6' W	Fl.W. period 2s fl. 0.5s, ec. 1.5s	23 7	8	Pyramidal iron tower, triangular daymark, point down.	Visible 279°30'-287°30'.
1996 <i>D 1546.1</i>	--Rear, on bridge, 1,399 meters 283°30' from front.	43° 25.5' N 3° 28.6' W	Oc.(2)W. period 5s lt. 2.3s, ec. 1s lt. 0.7s, ec. 1s	46 14	11	Pyramidal iron tower, round daymark.	Visible 279°30'-287°30'.
2000 <i>D 1547</i>	-Darsena del Puerto.	43° 26.5' N 3° 27.8' W	F.R., F.G.	26 8	4	White truncated conical tower, red bands; 16.	F.G. light marks S. entrance. F.R. light marks N. entrance.
2004 <i>D 1548</i>	-Nueva Darsena del Puerto, Espigon Norte, head.	43° 26.6' N 3° 27.8' W	Fl.(2)R. period 6s fl. 0.4s, ec. 1.2s fl. 0.4s, ec. 4s	26 8	4	White truncated conical tower, red bands; 16.	
2008 <i>D 1548.2</i>	--Espigon Sur, head.	43° 26.4' N 3° 27.8' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	26 8	3	White truncated conical tower, green band.	
2012 <i>D 1549</i>	-Canal de Colindres, Malecon N.	43° 24.6' N 3° 27.5' W	Fl.R. period 2.5s fl. 0.5s, ec. 2s	30 9	3	Red truncated conical tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-NORTH COAST							
2016 <i>D 1552</i>	Cabo de Ajo.	43° 30.8' N 3° 35.3' W	Oc.(3)W. period 16s lt. 6s, ec. 2s lt. 2s, ec. 2s lt. 2s, ec. 2s	233 71	17	White round tower; 26.	
SANTANDER:							
2020 <i>D 1554</i>	-Isla Mouro.	43° 28.4' N 3° 45.3' W	Fl.(3)W. period 21s fl. 1.2s, ec. 2.5s fl. 1.2s, ec. 2.5s fl. 1.2s, ec. 12.4s	128 39	7	Conical on dwelling; 60.	
2024 <i>D 1556</i>	-La Cerda, on W. entrance point.	43° 28.0' N 3° 45.8' W	Fl.(1+4)W. period 20s fl. 0.5s, ec. 3s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10s	79 24	7	White square tower; 30.	Obscured W. of 160°.
2026 <i>D 1556.5</i>	-Puntal Range, front.	43° 27.6' N 3° 46.4' W	Q.W.	30 9	6	Post on metal tower.	Intensified 231°48'-239°48'.
-RACON		K(- • -)			10		
2026.1 <i>D 1556.51</i>	--Rear, 100 meters 235°48' from front.	43° 27.6' N 3° 46.4' W	Iso.R. period 4s	39 12	6	Post on metal tower.	Intensified 231°48'-239°48'.
2028 <i>D 1557</i>	-Pena Horadada, channel, N. side.	43° 27.9' N 3° 46.1' W	Fl.(2)W. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	5	Black round tower, red band; 16.	
2032 <i>D 1558.2</i>	-Darsena de Molnedo, E. mole, head.	43° 27.7' N 3° 47.5' W	Q.G.	39 12	5	Green and white column; 20.	Visible over channel and about 2 km. E. and W. of basin entrance.
2036 <i>D 1558</i>	--W. mole, head.	43° 27.7' N 3° 47.5' W	Q.R.	39 12	5	Red and white column; 20.	
2041 <i>D 1557.3</i>	-Muelle de Maliano, 259°30'.	43° 27.3' N 3° 48.6' W	Dir.W.R.G.	66 20	6	Metal post; 49.	Fl.G.-257°48'-258°18', F.G.-258°48', Oc.G.-259°24', F.W.-259°36', Oc.R.-260°12', F.R.-260°42', Fl.R.-261°12'. Range 4M by day.
2048 <i>D 1559.4</i>	-Muelle de Maliano, SE. corner.	43° 27.0' N 3° 48.9' W	Q.G.	39 12	5	Green and white column; 20.	
2050 <i>D 1559.42</i>	-W. corner.	43° 27.0' N 3° 49.3' W	Oc.G. period 4s lt. 3s, ec. 1s	39 12	5	Green and white column; 20.	
2052 <i>D 1559.45</i>	-Darsena Maliano, S. breakwater, head.	43° 26.9' N 3° 48.9' W	Fl.(2+1)G. period 10s	39 12	3	Green column, red band; 20.	
2060 <i>D 1561</i>	-Cabo Mayor.	43° 29.4' N 3° 47.5' W	Fl.(2)W. period 10s fl. 0.4s, ec. 2.1s fl. 0.4s, ec. 7.1s	299 91	21	White tower; 30.	Horn: Mo.(M) ev. 40s (bl. 3.5s, si. 1.5s, bl. 3.5s, si. 31.5s).
2064 <i>D 1562</i>	Suances (San Martin de la Arena).	43° 26.5' N 4° 02.6' W	Fl.(2+1)W. period 24s fl. 0.6s, ec. 4.8s fl. 0.6s, ec. 2.4s fl. 0.6s, ec. 15s	115 35	22	White truncated tower; 30.	Obscured 091°-113°.
2068 <i>D 1563</i>	Ria de Suances Range, front.	43° 26.2' N 4° 02.1' W	Q.W. period 1s	33 10	5	White truncated tower; 20.	
2072 <i>D 1563.1</i>	-Rear, on Punta Marzan about 210 meters 146° from front.	43° 26.0' N 4° 02.0' W	Iso.W. period 4s	46 14	5	White truncated concrete tower, masonry base; 33.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-NORTH COAST							
COMILLAS:							
2076 <i>D 1566</i>	-Outer Range, front.	43° 23.3' N 4° 17.2' W	Iso.W. period 2s	118 36	4	White conical pillar, black band; 13.	
2080 <i>D 1566.1</i>	--Rear, 30 meters 194° from front.	43° 23.3' N 4° 17.2' W	Oc.W. period 4s lt. 3s, ec. 1s	131 40	4	White conical pillar, black band; 13.	
2084 <i>D 1568</i>	-Inner Range, front.	43° 23.4' N 4° 17.4' W	Iso.W. period 2s	52 16	3	White tower, black band; 13.	
2088 <i>D 1568.1</i>	--Rear, 245° from front.	43° 23.4' N 4° 17.4' W	Fl.R. period 3s fl. 1s, ec. 2s	66 20		White tower, black band; 13.	Range lights obscured S. of 231°.
2092 <i>D 1570</i>	-Breakwater, head.	43° 23.5' N 4° 17.4' W	F.G.	16 5		Green and white concrete post; 20.	
RIA DE SAN VICENTE DE LA BARQUERA:							
2096 <i>D 1574</i>	-Punta de la Silla.	43° 23.6' N 4° 23.5' W	Oc.W. period 3.5s lt. 2.5s, ec. 1s	141 43	13	Masonry tower, dwelling; 30.	Visible 115°-250°. Nautophone: Mo.(V) ev. 30s.
2100 <i>D 1576</i>	-Malecon del Oeste, head.	43° 23.7' N 4° 23.1' W	Fl.W.G. period 2s fl. 0.5s, ec. 1.5s	26 8	W. 7 G. 6	Green conical masonry tower; 10.	G. 175°-235°, W.-045°.
2104 <i>D 1577</i>	-Esollera del Este, head.	43° 23.6' N 4° 23.1' W	Fl.(2)R. period 8s fl. 0.5s, ec. 2s fl. 0.5s, ec. 5s	26 8	5	Red conical masonry tower; 20.	
2108 <i>D 1578</i>	-Punta de la Espina.	43° 23.4' N 4° 23.5' W	F.G.	26 8	2	Green conical masonry tower; 16.	
2112 <i>D 1580</i>	Punta San Emeterio.	43° 24.0' N 4° 32.1' W	Fl.W. period 5s fl. 0.3s, ec. 4.7s	223 68	20	Round masonry tower on white hut; 29.	
2116 <i>D 1582</i>	Llanes.	43° 25.2' N 4° 44.9' W	Fl.(4)W. period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	59 18	15	White octagonal tower, house; 26.	
RIBADESELLA:							
2120 <i>D 1586</i>	-Somos.	43° 28.4' N 5° 05.0' W	Fl.(1+2)W. period 12s fl. 0.4s, ec. 1.2s fl. 0.4s, ec. 4.8s fl. 0.4s, ec. 4.8s	377 115	25	Quadrangular tower on dwelling; 26.	
2124 <i>D 1587</i>	-Breakwater, head.	43° 28.0' N 5° 04.0' W	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	39 12	5	Concrete tower; 26.	Visible 278°25'-212°53'.
2128 <i>D 1589</i>	Puerto de Lastres, Malecon.	43° 30.9' N 5° 15.9' W	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	49 15	5	Green round concrete tower; 16.	
2130 <i>D 1591</i>	Cabo Lastres.	43° 32.1' N 5° 17.9' W	Fl.(5)W. period 25s fl. 0.4s, ec. 3.2s fl. 0.4s, ec. 3.2s fl. 0.4s, ec. 3.2s fl. 0.4s, ec. 3.2s fl. 0.3s, ec. 10.3s	387 118	23	White round tower; 59.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-NORTH COAST							
2132 <i>D 1592</i>	Punta de Tazones.	43° 32.9' N 5° 24.0' W	Fl.W. period 7.5s	417 127	20	Octagonal masonry tower on white hut; 36.	Fl.G. marks end of breakwater. Nauphone: (about 150 meters N.) Mo.(V) ev. 30s (bl. 1.5s, si. 1.5s, bl. 1.5s, si. 1.5s, bl. 1.5s, si. 1.5s, bl. 4.5s, si. 16.5s).
CONCHA DE GIJON:							
2136 <i>D 1608</i>	-Piedra da Sacramento.	43° 32.9' N 5° 40.2' W	Fl.(2)G. period 6s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 4.5s	36 11	5	Green octagonal concrete tower; 20.	
2140 <i>D 1609</i>	-Dique de Liquerica (Santa Catalina).	43° 32.8' N 5° 40.1' W	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	30 9	3	Red post; 16.	
2148 <i>D 1610</i>	-Malecon de Fomento, head.	43° 32.7' N 5° 40.1' W	Fl.(3)G. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	26 8	1	Green round post; 13.	Q.W. 4m 1M shown 550 meters W.
2149 <i>D 1598.45</i>	Dique de la Osa, S. breakwater.	43° 33.0' N 5° 41.2' W	Fl.(4)G. period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 13.5s	36 11	1	Green post; 7.	
2150 <i>D 1598.42</i>	-NE. corner.	43° 33.4' N 5° 40.8' W	Q.(3)W. period 10s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 7.5s	43 13	3	E. CARDINAL BYB, post, topmark.	
2151 <i>D 1598.1</i>	--NW.	43° 33.6' N 5° 41.1' W	Fl.R. period 4s fl. 0.5s, ec. 3.5s	43 13	5	Red tower.	
-Zona de El Musel:							
2152 <i>D 1598</i>	--Contradique de Levante, head.	43° 33.6' N 5° 41.2' W	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	52 16	3	Red hut; 16.	
2156 <i>D 1598.4</i>	--Nuevos Muelles de la Osa, NW. corner.	43° 33.4' N 5° 41.3' W	Fl.(2+1)R. period 10s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 6.5s	26 8	3	Red post, green band; 6.	
2160 <i>D 1598.3</i>	---S. corner.	43° 33.2' N 5° 41.6' W	Fl.(4)R. period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 8.5s	26 8	1	Red post; 13.	
2166 <i>D 1606.5</i>	--Pantalan, head.	43° 33.6' N 5° 41.8' W	Fl.Y. period 3s fl. 0.5s, ec. 2.5s	33 10	1	SPECIAL Y, post, topmark; 13.	
2168 <i>D 1602</i>	--Espigon II, head.	43° 33.7' N 5° 41.8' W	Fl.(2+1)R. period 12s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 7.5s	20 6	1	Red post, green band; 13.	
2172 <i>D 1603</i>	--Espigon, NW. corner.	43° 33.9' N 5° 41.9' W	Fl.(4)R. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	20 6	1	Red post; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-NORTH COAST							
2173 <i>D 1603.2</i>	---SE. corner.	43° 33.8' N 5° 41.9' W	Fl.(2+1)G. period 10s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 6.5s	26 8	1	Green post, red band; 20.	Visible 345°-060°.
2184 <i>D 1598.7</i>	--Muelle del Rendiello, N. head.	43° 33.5' N 5° 41.8' W	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	26 8	1	Red post; 13.	
2186 <i>D 1598.8</i>	---S. head.	43° 33.3' N 5° 41.6' W	Fl.(4)G. period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 8.5s	26 8	1	Green post; 13.	
2187 <i>D 1598.5</i>	-Darsena de El Musel, elbow.	43° 33.3' N 5° 41.8' W	Fl.R. period 3s fl. 0.5s, ec. 2.5s	26 8	1	Red post; 13.	Fl.G. 3s 8m 1M marks corner 600 meters NE.
2192 <i>D 1599</i>	--Dique Norte, head.	43° 33.6' N 5° 41.5' W	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	33 10	5	Green tower; 16.	
2196 <i>D 1597</i>	--Dique Exterior (Dique Oeste), head.	43° 34.2' N 5° 40.5' W	Fl.G. period 4s fl. 0.5s, ec. 3.5s	79 24	7	Green tower.	
2200 <i>D 1597.4</i>	--Contradique del Oeste, head.	43° 33.9' N 5° 40.9' W	Fl.(2)G. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	52 16	5	Green tower.	
2204 <i>D 1596</i>	Cabo de Torres.	43° 34.3' N 5° 42.0' W	Fl.(2)W. period 10s fl. 0.4s, ec. 2.1s fl. 0.4s, ec. 7.1s	269 82	18	White octagonal tower on square dwelling; 40.	
CANDAS:							
2208 <i>D 1614</i>	-Cabo San Antonio.	43° 35.7' N 5° 45.7' W	Oc.(2)W. period 10s lt. 4s, ec. 2s lt. 2s, ec. 2s	131 40	15	Red tower, white cupola behind gray dwelling; 39.	Nauphone: Mo.(C) ev. 60s.
2212 <i>D 1616</i>	-Punta del Cuerno Range, front.	43° 35.7' N 5° 45.6' W	Q.R.	72 22	5	Red and white column; 13.	
2216 <i>D 1616.1</i>	--Rear, about 920 meters 290°30' from front.	43° 36.0' N 5° 46.0' W	Iso.R. period 4s	180 55	5	Window of house; 13.	
2220 <i>D 1618</i>	-Nuevo Muelle, near extremity.	43° 35.3' N 5° 45.5' W	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	43 13	3	Green truncated conical tower; 13.	
LUANCO:							
2224 <i>D 1624</i>	-Punta del Gallo Breakwater, head.	43° 37.2' N 5° 47.0' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	39 12	5	Green round masonry tower; 13.	
2228 <i>D 1622</i>	-Entrance Range, front.	43° 36.9' N 5° 47.4' W	Fl.W.G. period 5s fl. 0.5s, ec. 4.5s	16 5	5	Green tower; 7.	Visible 252°30'-257°30'.
2232 <i>D 1622.1</i>	--Rear, 240 meters 255° from front.	43° 36.8' N 5° 47.5' W	Oc.R. period 4s lt. 3s, ec. 1s	26 8	5	Green round tower; 13.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-NORTH COAST							
2236 <i>D 1628</i>	Cabo Penas.	43° 39.3' N 5° 50.9' W	Fl.(3)W. period 15s fl. 0.4s, ec. 2.1s fl. 0.4s, ec. 2.1s fl. 0.4s, ec. 9.6s	385 117	35	Gray octagonal tower with building; 59.	Siren: Mo.(P) ev. 60s (bl. 1.5s, si. 1.5s, bl. 4.5s, si. 1.5s, bl. 4.5s, si. 1.5s, si. 43.5s).
2238 <i>D 1630.4</i>	-Punta de la Forcada.	43° 35.8' N 5° 56.8' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	82 25	7	Red mast on white truncated conical tower; 13.	
RIA DE AVILES:							
2240 <i>D 1630</i>	-Aviles, 274 meters SE. of Punta Forcada.	43° 35.7' N 5° 56.7' W	Oc.W.R. period 5s lt. 3.5s, ec. 1.5s	131 40	W. 20 R. 17	White square tower; 46.	R. 091°30'-113°, W.-091°30'. Siren: (190 meters NNW.) Mo.(A) ev. 30s. (bl. 1.5s, si. 1.5s, bl. 5s, si. 22s). Signal station.
2244 <i>D 1631</i>	-Entrance, N. side.	43° 35.7' N 5° 56.7' W	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	33 10	5	Red truncated conical tower; 10.	R. lights mark N. bank, G. lights mark S. bank of Ria Aviles.
2246 <i>D 1631.28</i>	-Breakwater, head.	43° 35.6' N 5° 56.8' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	49 15	5	Green round tower; 26.	Visible 106°-280°.
SAN ESTEBAN:							
2248 <i>D 1634.2</i>	-W. breakwater.	43° 34.0' N 6° 04.7' W	Fl.(2)W. period 12s fl. 1s, ec. 2s fl. 1s, ec. 8s	66 20	15	White round tower; 33.	Siren: Mo.(N) ev. 30s (bl. 4s, si. 1s, bl. 1s, si. 24s).
2264 <i>D 1636</i>	-Training wall, W. side of entrance, head.	43° 34.0' N 6° 04.6' W	Fl.(4)G. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	3	Truncated pyramidal tower; 13.	Six F.G. lights mark the training wall on W. side of channel. Two F.Or. in line 202°30' mark entrance. Synchronized with F.R. off San Juan de la Arena, front.
2268 <i>D 1638</i>	-Basin entrance on fortification.	43° 33.3' N 6° 04.8' W	Fl.(4)G. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	1	Green rectangular tower; 10.	
2272 <i>D 1638.4</i>	--Dividing wall, head.	43° 33.3' N 6° 04.4' W	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	1	Red rectangular tower; 10.	
2276 <i>D 1640</i>	Punta Rebollera.	43° 33.9' N 6° 08.7' W	Oc.(4)W. period 16s lt. 5s, ec. 2s lt. 1s, ec. 2s lt. 1s, ec. 2s lt. 1s, ec. 2s	144 44	16	White octagonal tower on house; 33.	Head of E. and W. breakwaters marked by F.R. and F.G. lights. Siren: Mo.(D) ev. 30s (bl. 4.5s, si. 1.5s, bl. 1.5s, si. 1.5s, bl. 1.5s, si. 19.5s).
2280 <i>D 1641</i>	Cabo Vidio.	43° 35.6' N 6° 14.7' W	Fl.W. period 5s fl. 0.3s, ec. 4.7s	331 101	25	Round masonry tower attached to house; 30.	Siren: Mo.(V) ev. 60s (bl. 1.5s, si. 1.5s, bl. 1.5s, si. 1.5s, bl. 1.5s, si. 46.5s).
2284 <i>D 1642</i>	Cabo Busto.	43° 34.1' N 6° 28.2' W	Fl.(4)W. period 20s fl. 0.3s, ec. 2.9s fl. 0.3s, ec. 2.9s fl. 0.3s, ec. 2.9s fl. 0.3s, ec. 10.1s	282 86	25	White square tower on dwelling; 30.	Aeromarine.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-NORTH COAST							
LUARCA:							
2288 <i>D 1646</i>	-Punta La Blanca.	43° 33.0' N 6° 32.0' W	Oc.(3)W. period 15s lt. 7s, ec. 2s lt. 1s, ec. 2s lt. 1s, ec. 2s	213 65	14	White square tower; 30.	Siren: Mo.(L) ev. 30s (bl. 1.5s, si. 1.5s, bl. 4.5s, si. 1.5s, bl. 1.5s, si. 1.5s, bl. 1.5s, si. 16.5s).
2292 <i>D 1647</i>	-Dique de Canouco, head.	43° 33.0' N 6° 32.1' W	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	69 21	5	Round concrete tower; 43.	
2296 <i>D 1649</i>	-Rio Negro, entrance Range, front.	43° 32.8' N 6° 32.1' W	Fl.W. period 5s fl. 0.5s, ec. 4.5s	69 21	3	White concrete column, red bands; 33.	
2300 <i>D 1649.1</i>	--Rear, 46 meters 170° from front.	43° 32.8' N 6° 32.0' W	Oc.W. period 4s lt. 3s, ec. 1s	89 27	2	White concrete column, red bands; 13.	
2304 <i>D 1650</i>	-Dique W.	43° 33.0' N 6° 32.3' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 8	3	Green post; 13.	
PUERTO DE VEGA:							
2308 <i>D 1652</i>	-On Punta Lama, E. of entrance.	43° 34.0' N 6° 38.7' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	30 9	3	Red column; 10.	
2312 <i>D 1653</i>	-W. mole, head.	43° 34.0' N 6° 38.8' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	1	Green column; 10.	
2316 <i>D 1657</i>	Ria de Navia.	43° 33.8' N 6° 44.1' W	Oc.(2)W. period 12s lt. 6s, ec. 2s lt. 2s, ec. 2s	236 72	25	White round tower, black bands; 33.	
2320 <i>D 1657.5</i>	Puerto de Viavelez, N. jetty, head.	43° 34.0' N 6° 50.4' W	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	33 10	5	Red truncated tower; 16.	
2324 <i>D 1657.6</i>	-S. jetty, head.	43° 33.9' N 6° 50.4' W	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	33 10	3	Green truncated tower; 16.	
2328 <i>D 1658</i>	Isla Tapia.	43° 34.4' N 6° 56.8' W	Fl.(2+1)W. period 19s fl. 1s, ec. 2s fl. 1s, ec. 7s fl. 1s, ec. 7s	79 24	18	White tower on building; 33.	
2332 <i>D 1659</i>	Puerto de Tapia de Casariego, N. mole, head.	43° 34.4' N 6° 56.9' W	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	5	Red tower; 16.	
2336 <i>D 1659.2</i>	-S. mole, head.	43° 34.4' N 6° 56.8' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	33 10	3	Green tower; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-NORTH COAST							
RIA DE RIBADEO:							
2340 <i>D 1660</i>	-Isla Poncha.	43° 33.4' N 7° 02.5' W	Fl.(3+1)W. period 20s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s fl. 0.5s, ec. 7s	92 28	21	Round tower, white and black bands; 43.	Siren: Mo.(R) ev. 30s (bl. 1s, si. 2s, bl. 3s, si. 2s, bl. 1s, si. 21s).
2341 <i>D 1661</i>	-Punta de la Cruz.	43° 33.4' N 7° 01.8' W	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	59 18	7	Red round tower on prismatic base.	
2348 <i>D 1662</i>	-Punta Aerojo, 1st Entrance Range, front.	43° 32.8' N 7° 01.5' W	Iso.R.	66 20	5	White tower, red diamond daymark; 20.	
2352 <i>D 1662.1</i>	--Rear, 238 meters 140° from front.	43° 32.8' N 7° 01.3' W	Oc.R. period 4s	79 24	5	White tower, red diamond daymark; 20.	
2356 <i>D 1664</i>	--Muelle del Garcia, 2nd Range, front.	43° 32.5' N 7° 02.2' W	V.Q.R.	26 8	3	White tower, red diamond daymark; 23.	
2360 <i>D 1664.1</i>	--Rear, about 178 meters 205° from front.	43° 32.5' N 7° 02.2' W	Oc.R. period 2s lt. 1.2s, ec. 0.8s	65 20	3	Structure, white rectangular daymark; 6.	
2368 <i>D 1673</i>	Piedra Burela.	43° 39.8' N 7° 20.8' W	Q.(3)W. period 10s	39 12	7	E. CARDINAL BYB, tower, topmark; 26.	
PUERTO DE SAN CIPRIAN:							
2376 <i>D 1676</i>	-Punta Atalaya.	43° 42.1' N 7° 26.0' W	Fl.(5)W. period 20s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 9.7s	135 41	20	White round tower, black stripe; 46.	
2380 <i>D 1678.2</i>	-New port, outer Range, front.	43° 42.1' N 7° 27.8' W	Fl.(2)W. period 6s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 3.5s	82 25	3	Round tower, red and white bands; 39.	
2384 <i>D 1678.21</i>	---Rear, about 475 meters 203°55' from front.	43° 42.0' N 7° 27.8' W	Oc.W. period 6s lt. 4s, ec. 2s	115 35	3	Round tower, red and white bands; 72.	
2388 <i>D 1678.3</i>	--Inner Range, front.	43° 42.8' N 7° 28.8' W	Fl.(2)W. period 6s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 3.5s	131 40	3	Round tower, red and white bands; 75.	
2392 <i>D 1678.31</i>	---Rear, about 275 meters 273°14' from front.	43° 42.8' N 7° 28.9' W	Oc.W. period 6s lt. 4s, ec. 2s	144 44	3	Round tower, red and white bands; 39.	
2396 <i>D 1678.4</i>	--Breakwater, S. head.	43° 42.7' N 7° 27.6' W	Fl.(3)R. period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4.5s	85 26	4	Iron structure on gray column; 20.	
2400 <i>D 1678.6</i>	--N. head.	43° 43.0' N 7° 27.6' W	Fl.(2)W.G. period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6s	59 18	4	Pyramidal structure on gray octagonal base; 33.	W. 110°-180°, G.-110°.
2404 <i>D 1678</i>	-Fiqueras.	43° 41.8' N 7° 26.5' W	Dir.Q.R.W.	29 9	5	White tower, red diamond daymark; 26.	Obscured by Farallones. R. 178°-194°, W.-198°
2410 <i>D 1678.8</i>	Punta Roncadoira.	43° 44.1' N 7° 31.5' W	Fl.W. period 7.5s fl. 0.8s, ec. 6.7s	308 94	21	White round tower; 46.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-NORTH COAST							
RIA DE VIVERO:							
2412 <i>D 1679</i>	-Punta Faro.	43° 42.7' N 7° 35.0' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	66 20	7	White tower; 20.	
2416 <i>D 1680</i>	-Punta Socastro.	43° 43.1' N 7° 36.4' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	66 20	7	Green tower; 20.	
-Rio Landrove:							
2420 <i>D 1681</i>	--Cillero.	43° 40.9' N 7° 36.0' W	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	33 10	5	Red column; 20.	
RIA DEL BARQUERO:							
2432 <i>D 1684</i>	-Isla Coelleira, summit.	43° 45.5' N 7° 37.8' W	Fl.(4)W. period 24s fl. 1s, ec. 3s fl. 1s, ec. 3s fl. 1s, ec. 3s fl. 1s, ec. 11s	292 89	7	Gray round tower and dwelling; 23.	
2436 <i>D 1685.2</i>	-Punta de Barra.	43° 44.5' N 7° 41.3' W	Fl.W.R.G. period 3s fl. 0.3s, ec. 2.7s	56 17	5	White conical tower; 30.	G. 198°-213° W.-240°; R.-255°; G.-070°.
2440 <i>D 1685</i>	-Punta del Castro.	43° 44.5' N 7° 40.5' W	Fl.(2)W. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	52 16	5	White conical tower; 30.	Visible 000°- 180°.
2441 <i>D 1685.11</i>	-Breakwater, N. head.	43° 44.3' N 7° 40.7' W	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	36 11	5	Red timber pole, red and white round tower; 20.	
2442 <i>D 1685.12</i>	--S. head.	43° 44.2' N 7° 40.6' W	Fl.(4)G. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	36 11	3	Green timber pole on green and white round tower; 20.	
2444 <i>D 1686</i>	Punta de la Estaca de Bares.	43° 47.2' N 7° 41.1' W	Fl.(2)W. period 7.5s fl. 0.2s, ec. 1.5s fl. 0.2s, ec. 5.6s	331 101	25	Octagonal tower, dwelling; 33.	Obscured when bearing greater than 291°. Siren: (150 meters 345°) Mo.(B) ev. 60s (bl. 6s, si. 3s, bl. 2s, si. 3s, bl. 2s, si. 3s, bl. 2s, si. 39s).
2446 <i>D 1686.1</i>	Espasante, outer breakwater.	43° 43.2' N 7° 48.9' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	42 13	3	Red and white round concrete tower; 33.	
2447 <i>D 1686.2</i>	-Inner breakwater.	43° 43.2' N 7° 48.7' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	26 8	3	Green metal tower; 16.	
2448 <i>D 1686.5</i>	Puerto de Carino, breakwater, head.	43° 44.1' N 7° 51.9' W	Fl.G. period 2s fl. 0.5s, ec. 1.5s	46 14	3	Green and white round tower; 20.	
2450 <i>D 1686.3</i>	Cape Ortegal.	43° 46.3' N 7° 52.2' W	Oc.W. period 8s lt. 6s, ec. 2s	407 124	18	White and red round tower; 33.	
2452 <i>D 1687</i>	Punta Candelaria.	43° 42.7' N 8° 02.8' W	Fl.(3+1)W. period 24s fl. 0.6s, ec. 2.4s fl. 0.6s, ec. 2.4s fl. 0.6s, ec. 8.4s fl. 0.6s, ec. 8.4s	292 89	21	Octagonal tower on dwelling; 30.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-NORTH COAST							
2454 <i>D 1687.6</i>	Punta Sarridal.	43° 39.6' N 8° 04.5' W	Oc.W.R. period 6s lt. 4s, ec. 2s	135 41	11	Red round tower; 7.	W. 145°-172°, R.-145°.
2456 <i>D 1688</i>	Cedeira, on Punta Promontorio.	43° 39.1' N 8° 04.2' W	Oc.(4)W. period 10s lt. 3s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s	85 26	11	White hexagonal tower; 23.	
2458 <i>D 1690</i>	Punta de Frouxeira.	43° 37.1' N 8° 11.3' W	Fl.(5)W. period 15s	246 75	20	Pyramidal concrete tower; 98.	
2460 <i>D 1692</i>	Cabo Prior.	43° 34.1' N 8° 18.9' W	Fl.(1+2)W. period 15s fl. 0.3s, ec. 5.7s fl. 0.3s, ec. 2.7s fl. 0.3s, ec. 5.7s	351 107	22	Hexagonal masonry tower, square dwelling; 23.	Visible 055°30'-310°.
RIA DE EL FERROL:							
2464 <i>D 1694</i>	-Cabo Priorino Chico.	43° 27.5' N 8° 20.4' W	Fl.W. period 5s fl. 1s, ec. 4s	118 36	23	White octagonal tower on square dwelling; 16.	Visible 225°-129°30'.
2468 <i>D 1695</i>	-Bateria de S. Cristobal.	43° 27.9' N 8° 18.3' W	Oc.(2)W.R. period 10s lt. 4.6s, ec. 1.8s lt. 1.8s, ec. 1.8s	69 21	7	White truncated conical tower; 20.	W. 042°-053°, R.-042°.
2476 <i>D 1696</i>	-San Martin Range, front.	43° 27.6' N 8° 17.1' W	Fl.W. period 1.5s fl. 0.5s, ec. 1s	39 12	5	Concrete tower, white tile facing; 26.	F.R. on antennas .5 and 1.1 miles S. Radar reflector.
2480 <i>D 1696.1</i>	--Rear, 701 meters 085°10' from front.	43° 27.6' N 8° 16.6' W	Oc.W. period 4s lt. 3s, ec. 1s		5	Concrete tower with white tile facing; 42.	Range only usable between white sector of Bateria de S. Cristobal and N./S. of Punta Louridal.
2484 <i>D 1697</i>	-Near Castillo de La Palma.	43° 27.8' N 8° 16.5' W	Oc.(1+2)W. period 7s lt. 1.8s, ec. 1s lt. 1.8s, ec. 1s lt. 0.4s, ec. 1s	36 11	7	Conical granite tower on dwelling; 23.	
2488 <i>D 1699</i>	-Duque de Alba, about 302 meters 070° from Punta Leira.	43° 28.0' N 8° 15.1' W	Fl.W. period 2s		1	White pyramid.	
2492 <i>D 1699.2</i>	-Pier, E. head.	43° 27.8' N 8° 13.9' W	Q.G.	42 13	1	Post; 23.	Synchronized with 2502.
2502 <i>D 1699.1</i>	--NW. head.	43° 27.8' N 8° 14.4' W	Q.G.		1	Green post; 10.	Synchronized with 2492.
2504 <i>D 1698.4</i>	-La Grana, S. pier, head.	43° 28.5' N 8° 15.4' W	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	1	Red column; 13.	
2508 <i>D 1698</i>	-La Grana, petroleum pier, SW. head.	43° 28.2' N 8° 15.9' W	Q.R.	43 13	1	Metal post; 26.	Iso.R. 1s shown at NE. end.
2510 <i>D 1698.5</i>	-New pier, SW. corner.	43° 28.8' N 8° 15.2' W	Fl.(2+1)R. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 4.5s	30 9	3	Red column, green band; 13.	Fl.(3)R. 9s on SE. corner. Synchronized with 2510.
2512 <i>D 1698.84</i>	-Darsena de Curuxeiras, Muelle de Concepcion Arenal, head.	43° 28.5' N 8° 14.7' W	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	3	Red column; 16.	Synchronized with 2510.
2513 <i>D 1698.7</i>	-Muelle Fernandez Ladreda.	43° 28.6' N 8° 15.0' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	30 9	3	Green metal column.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-NORTH COAST							
2516 <i>D 1698.9</i>	-Arsenal, Asta del parque.	43° 28.4' N 8° 14.4' W	Fl.(2+1)R. period 12s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 1.5s	36 11	3	Red and green round structure; 7.	
2520 <i>D 1698.92</i>	--On the Punta del Martillo.	43° 28.5' N 8° 14.4' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	30 9	1	Red column; 16.	
2524 <i>D 1698.94</i>	-Darsena No. "1", pier, end.	43° 28.6' N 8° 14.3' W	Oc.G. period 2.5s lt. 2s, ec. 0.5s	30 9	1	Green column; 13.	
2528 <i>D 1698.96</i>	-- No. "2", W. mole, head.	43° 28.3' N 8° 14.0' W	Fl.(2+1)G. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 4.5s	30 9	3	Masonry column; 16.	
2532 <i>D 1698.98</i>	-Muelle commercial, head.	43° 28.4' N 8° 13.5' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	36 11	1	Green truncated tower; 16.	
2533 <i>D 1699.5</i>	-Astilleros Astano, Muelle No. "7".	43° 28.7' N 8° 11.2' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	30 9	3	Gray metal lattice tower; 10.	
2533.5 <i>D 1699.6</i>	--Muelle No. "10".	43° 28.5' N 8° 11.6' W	Fl.(2+1)G. period 12s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 1.5s	30 9	3	Gray metal lattice tower; 10.	
2534 <i>D 1699.7</i>	--Muelle No. "11".	43° 28.3' N 8° 11.9' W	Fl.(4)G. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	3	Gray metal lattice tower; 10.	
2535 <i>D 1702.9</i>	Ria de Betanzos, Perbes, breakwater, head.	43° 22.7' N 8° 13.0' W	Fl.(2)W.R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	3	Red mast.	W. 350°30'-355°30', R.-350°30'.
2538 <i>D 1702.6</i>	Contradique, head.	43° 21.5' N 8° 14.7' W	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	36 11	3	Red round tower; 16.	
2540 <i>D 1700</i>	Puerto de Sada malecon, N. head.	43° 21.8' N 8° 14.6' W	Fl.(4)G. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	49 15	5	Green round tower; 20.	
2544 <i>D 1702</i>	-Malecon, S. head.	43° 21.6' N 8° 15.0' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	26 8	1	Red post; 10.	
LA CORUNA:							
2548 <i>D 1704</i>	-Torre de Hercules.	43° 23.2' N 8° 24.4' W	Fl.(4)W. period 20s fl. 0.3s, ec. 3s fl. 0.3s, ec. 3s fl. 0.3s, ec. 3s fl. 0.3s, ec. 9.8s	348 106	23	Dark masonry tower, lower part square, upper part octagonal; 161.	Siren: (about 165 meters 338° from light) Mo.(L) ev. 30s (bl. 1.5s, si. 1.5s, bl. 4.5s, si. 1.5s, bl. 1.5s, si. 1.5s, bl. 1.5s, si. 16.5s).
2552 <i>D 1706</i>	-Punta Mera Range, front.	43° 23.0' N 8° 21.3' W	Oc.W.R. period 4s lt. 3s, ec. 1s	184 56	8	White octagonal tower; 36.	R. 100°30'-105°30', W.-114°30', R.-153°, R. (unintensified) 000°-023°.
-RACON				M(- -)	18	Azimuth coverage 200°-016°.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-NORTH COAST							
2556 D 1708	--Rear, 300 meters 108°30' from front.	43° 22.9' N 8° 21.0' W	Fl.W. period 4s fl. 1s, ec. 3s	266 81	8	White octagonal tower; 46.	Visible 357°30'-177°30'.
2560 D 1710	-Punta Fiaiteira Range, front.	43° 20.6' N 8° 22.3' W	Iso.W.R.G. period 2s	95 29	W. 10 R. 7 G. 7	Red and white checkered rectangular masonry tower; 33.	G. 146°24'-180°, W.-184°, R.-217°36'.
	-RACON		X(— • • —)		18		(3 & 10 cm)
2564 D 1710.1	--Rear, about 0.4 km. 182° from front.	43° 20.4' N 8° 22.3' W	Oc.R. period 4s lt. 3s, ec. 1s	177 54	3	Red and white checkered rectangular masonry tower; 33.	
2568 D 1714	-Dique de Abrigo, head.	43° 21.9' N 8° 22.5' W	Fl.G. period 3s fl. 0.5s, ec. 2.5s	59 18	7	Truncated conical concrete tower; 16.	Radar reflector.
2572 D 1716	-Castillo de San Anton.	43° 21.9' N 8° 23.3' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	56 17	5	Green hexagonal tower; 20.	Visible 334°-096°42'.
2573 D 1716.4	-Muelle de San Diego, NE. corner.	43° 21.7' N 8° 23.2' W	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	36 11	5	Red post.	
2574 D 1716.6	--SE. corner.	43° 21.6' N 8° 23.4' W	Oc.(2)G. period 5s lt. 2s, ec. 1s lt. 1s, ec. 1s	36 11	4	Green round tower.	
2575 D 1716.2	--NW. corner.	43° 21.8' N 8° 23.7' W	Fl.(3)R. period 9s	36 11	3	Red post; 20.	
2576 D 1717	-Muelle de Este, head.	43° 21.8' N 8° 23.8' W	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	39 12	1	Red round tower; 20.	
2580 D 1722	-Espigon de Trasatlanticos, N. corner.	43° 22.0' N 8° 23.8' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	30 9	1	Red round tower; 20.	
2584 D 1722.2	--S. corner.	43° 21.9' N 8° 23.8' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	30 9	2	Green round tower; 20.	
2588 D 1723	-Oil pier, head.	43° 21.4' N 8° 22.8' W	Fl.(2+1)R. period 21s		3	Red truncated tower, green band; 16.	
2592 D 1718	-Parrote Spur, entrance to marina basin, E. side.	43° 22.2' N 8° 23.7' W	Fl.(4)G. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	36 11	1	Green post; 23.	
2596 D 1720	-Marina basin entrance, W. side, W. mole.	43° 22.2' N 8° 23.7' W	Q.R.	36 11	2	Red metal post; 23.	
2600 D 1724	Cayon, entrance Range, front.	43° 19.1' N 8° 35.9' W	Fl.W. period 2s fl. 0.8s, ec. 1.2s	56 17	4	White round concrete tower; 13.	
2604 D 1724.1	--Rear, 115 meters 147°10' from front.	43° 19.1' N 8° 35.9' W	Oc.W. period 4s lt. 3s, ec. 1s	148 45	4	White round concrete tower; 13.	
2606 D 1725	Dique de Abrigo.	43° 19.2' N 8° 36.4' W	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	3	Green round tower; 13.	
2608 D 1726	Malpica, jetty, head.	43° 19.4' N 8° 48.4' W	Fl.G. period 3s fl. 0.5s, ec. 2.5s	66 20	4	White masonry tower; 13.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-NORTH COAST							
2612 <i>D 1728</i>	Islas Sisargos.	43° 21.6' N 8° 50.7' W	Fl.(3)W. period 15s fl. 0.6s, ec. 2.4s fl. 0.6s, ec. 2.4s fl. 0.6s, ec. 8.4s	361 110	23	Octagonal granite tower with grayish white cupola on white dwelling; 33.	Siren: (200 meters W.) Mo.(S) ev. 30s (bl. 3s, si. 3s, bl. 3s, si. 3s, bl. 3s, si. 15s).
2613 <i>D 1729</i>	Punta Nariga.	43° 19.2' N 8° 54.5' W	Fl.(3+1)W. period 20s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 7.4s fl. 0.1s, ec. 7.4s	180 55	22	Round masonry tower on building; 128.	
SPAIN-WEST COAST							
RIA DE CORME Y LAGE:							
2616 <i>D 1730</i>	-Punta del Roncudo, N. side of bay.	43° 16.5' N 8° 59.5' W	Fl.W. period 6s	125 38	10	White truncated conical tower; 36.	
2620 <i>D 1733</i>	-Corme, breakwater, head.	43° 15.7' N 8° 57.9' W	Fl.(2)R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	46 14	3	Red round tower; 20.	
2624 <i>D 1734</i>	-Lage, breakwater, head.	43° 13.3' N 9° 00.0' W	Fl.G. period 3s fl. 0.5s, ec. 2.5s	56 17	4	Green round tower; 20.	
2628 <i>D 1732</i>	-Punta Lage.	43° 13.9' N 9° 00.7' W	Fl.(5)W. period 20s	217 66	20	White truncated conical tower; 36.	
2632 <i>D 1736</i>	Cabo Villano.	43° 09.6' N 9° 12.7' W	Fl.(2)W. period 15s fl. 0.5s, ec. 3.5s fl. 0.5s, ec. 10.5s	341 104	28	Grayish yellow octagonal tower, white cupola; 82.	Visible 031°30'-228°30'. Siren: Mo.(V) ev. 60s (bl. 2s, si. 3s, bl. 2s, si. 3s, bl. 2s, si. 3s, bl. 6s, si. 39s).
RACON		M(— —)		35		(3 & 10cm)	
2636 <i>D 1738</i>	-Punta de Lago.	43° 06.6' N 9° 10.0' W	Oc.(2)W.R.G. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	49 15	W. 6 R. 4 G. 4	Round concrete tower; 31.	W. 029°30'-093°, G.-107°48', W.-109°06', R.-139°18', W.-213°30'.
RIA DE CAMARINAS:							
2640 <i>D 1739</i>	-Camarinas, end of Malecon.	43° 07.6' N 9° 10.9' W	Fl.(3)R. period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4.5s	33 10	4	Round masonry tower; 20.	
2644 <i>D 1736.3</i>	-Punta Villueira, Boca S. Range, front.	43° 07.4' N 9° 11.6' W	Fl.W. period 5s fl. 1s, ec. 4s	49 15	9	White round concrete tower, red bands; 23.	Visible 1°30' each side of range line.
2648 <i>D 1736.4</i>	--Rear, about 610 meters 079°40' from front.	43° 07.5' N 9° 11.1' W	Iso.W. period 4s	89 27	11	White round concrete tower, red bands; 25.	Visible 1°30' each side of range line.
2656 <i>D 1737</i>	-Punta de la Barca.	43° 06.8' N 9° 13.2' W	Oc.W. period 4s lt. 3s, ec. 1s	43 13	7	Gray truncated conical tower; 36.	
2660 <i>D 1740</i>	Cabo Torinana.	43° 03.2' N 9° 17.9' W	Fl.(2+1)W. period 15s fl. 0.2s, ec. 2.2s fl. 0.2s, ec. 6.1s fl. 0.2s, ec. 6.1s	213 65	24	White round tower; 36.	Visible 340°30'-235°30'.
2662	Torinana, Monte Xastas, RACON.	43° 01.8' N 9° 16.4' W	T(—)	35		(3 & 10cm)	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-WEST COAST							
2664 D 1742	Cabo Finisterre.	42° 52.9' N 9° 16.3' W	Fl.W. period 5s fl. 0.3s, ec. 4.7s	469 143	23	Octagonal granite tower, dwelling; 56.	Obscured when bearing greater than 149°. Siren: 2 bl. ev. 60s (bl. 2s, si. 6s, bl. 2s, si. 50s).
	RACON		O(— — —)		35		(3 & 10cm)
2666 D 1744	-Puerto de Finisterre, mole, head.	42° 54.6' N 9° 15.4' W	Fl.R. period 2s fl. 0.5s, ec. 1.5s	46 14	4	Red round tower; 16.	
RIA DE CORCUBION:							
2668 D 1760	-Cabo Cee, W side entrance to bay.	42° 55.0' N 9° 11.0' W	Fl.(5)W. period 13s	89 27	7	Octagonal granite tower, dwelling; 26.	
2672 D 1762	-Pier, head.	42° 56.7' N 9° 11.4' W	Fl.(2)R. period 8s fl. 1s, ec. 1.5s fl. 1s, ec. 4.5s	36 11	4	Square gray metal tower; 23.	
2676 D 1758	-Carrumeiro Chico, Corcubion Inlet, shoal.	42° 54.4' N 9° 10.8' W	Fl.(2)W. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 8	6	ISOLATED DANGER BRB, tower, topmark.	
RIA DE CAMARINAS:							
2680 D 1756	-Islote Lobeira Grande, center of island.	42° 52.8' N 9° 11.1' W	Fl.(3)W. period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	59 18	9	White octagonal tower and hut; 33.	
2682 D 1775	-Porto Cubelo, dique exterior, head.	42° 48.4' N 9° 08.2' W	Fl.G. period 2s fl. 0.5s, ec. 1.5s	33 10	4	Green round tower; 20.	Visible 169°-038°.
2684 D 1782	Punta Insua.	42° 46.3' N 9° 07.9' W	Fl.(3)W.R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	89 27	W. 15 R. 14	Hexagonal metal tower; 46.	R. 020°-045°, W.-070°, R.- 090°, W.-125°, R.-152°, W.-020°.
RIA DE MUROS Y NOYA:							
2688 D 1784	-Punta Queixal, Monte Louro.	42° 44.4' N 9° 04.8' W	Fl.(2+1)W. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 4.5s	89 27	9	Hexagonal granite tower, white octagonal lantern, dwelling; 23.	Obscured 081°-180°.
2692 D 1786	-Cabo Reburdino.	42° 46.2' N 9° 02.9' W	Fl.(2)R. period 7s fl. 0.5s, ec. 1s fl. 0.5s, ec. 5s	59 18	7	White hexagonal tower and white house; 26.	Visible 168°-019°.
2696 D 1788	-Muros, Dique Exterior, head.	42° 46.6' N 9° 03.3' W	Fl.(4)R. period 13s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 4.5s	26 8	4	Red round tower, white base; 20.	
2700 D 1792	-Punta Cabeiro.	42° 44.4' N 8° 59.4' W	Fl.W.R.G. period 5s fl. 0.5s, ec. 4.5s	121 37	W. 9 R. 6 G. 6	White square tower; 13.	R. 054°30'-058°30', (range in 056°30' marks south entrance, through the carrerio), G.-099°30', W.- 189°30'.
2710 D 1791	-Puerto de Noya, N.	42° 47.7' N 8° 54.5' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	16 5	5	White tower; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-WEST COAST							
2711 D 1791.2	--S. breakwater.	42° 47.6' N 8° 54.5' W	Fl.(2)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 6.5s	16 5	5	White tower; 20.	
2712 D 1790	--Muelle del Este, head.	42° 46.6' N 9° 03.4' W	F.R.	33 10	4	White round tower; 20.	
2716 D 1794	Cabo Corrubedo.	42° 34.6' N 9° 05.4' W	Fl.(2+3)W.R. period 20s fl. 0.4s, ec. 2s fl. 0.4s, ec. 2s fl. 0.4s, ec. 6s fl. 0.4s, ec. 2s fl. 0.4s, ec. 6s	105 32	15	Gray round tower.	Red sector visible 347°-040°. Siren: Mo.(O) ev. 60s (bl. 5s, si. 3s, bl. 5s, si. 3s, bl. 5s, si. 39s).
RACON		K(— • —)					
2720 D 1795	Corrubedo, mole, head.	42° 34.3' N 9° 04.2' W	Iso.W.R.G. period 3s	39 12	W. 6 R. 4 G. 3	White truncated conical tower; 16.	W. 352°-360°, R.-016°, G.- 352°.
RIA DE AROSA:							
2724 D 1796	-Isla de Salvora.	42° 27.9' N 9° 00.8' W	Fl.(3+1)W. period 20s fl. 0.4s, ec. 2.3s fl. 0.4s, ec. 2.3s fl. 0.4s, ec. 6.9s fl. 0.4s, ec. 6.9s	125 38	21	White octagonal tower, red band; 52.	Clear sector visible 217°- 126°.
			Fl.(3)W. period 20s fl. 0.4s, ec. 2.3s fl. 0.4s, ec. 2.3s fl. 0.4s, ec. 14.2s				Danger sector visible 126°- 160°.
2732 D 1798	-Piedras del Sargo, on E. rock.	42° 30.3' N 9° 00.5' W	Q.G.	43 13	8	White truncated tower, green band; 39.	
2736 D 1799	-Port Aguino, mole, head.	42° 31.1' N 9° 00.9' W	Fl.(4)W.R. period 11s		5	Red post.	W. 026°-040°, R.-026°.
2738 D 1799.5	-Islas de Sagres.	42° 30.5' N 9° 02.9' W	Fl.W. period 5s	82 25	8	Round metal column; 10.	
2740 D 1800	-Bajo Pomberirino, rock.	42° 28.9' N 8° 56.8' W	Fl.(2)G. period 12s fl. 1s, ec. 2.5s fl. 1s, ec. 7.5s	49 15	8	White truncated conical tower, green band; 46.	
2748 D 1816	-Bajo La Loba, S. rock.	42° 31.8' N 8° 55.0' W	Q.G.	33 10	3	Green truncated conical tower.	
RIA DE ROSA:							
2752 D 1824	-Bajo Piedra Seca.	42° 32.9' N 8° 55.2' W	Fl.(3)G. period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	39 12	8	White truncated tower, green band.	
2756 D 1818	-Isla Rua, center of island.	42° 32.9' N 8° 56.4' W	Fl.(2+1)W.R. period 21s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 13.5s	85 26	13	Gray round tower, dwelling; 46.	W. 211°30'-121°30', R.- 211°30'.
-RACON		G(— — •)					
							(3 & 10 cm)
2760 D 1822	-Bajo Llagareos de Tierra, on the shoal.	42° 33.4' N 8° 59.0' W	Q.R.	26 8	4	White conical tower; 23.	
2764 D 1820	-Santa Eugenia de Riveira, pier, head.	42° 33.6' N 8° 59.2' W	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	4	Red round tower; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-WEST COAST							
2768 D 1826	-Punta Caballo, Arosa Island, NW. side.	42° 34.3' N 8° 53.0' W	Fl.(4)W. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	43 13	10	Gray masonry octagonal tower on white house; 16.	
2772 D 1827	-Isla de Arosa, mole, head.	42° 33.9' N 8° 52.1' W	Q.R.	30 9	3	Red masonry column; 20.	
2776 D 1828	-Bajo Sinal de Ostreira.	42° 35.7' N 8° 54.8' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	33 10	5	Red and white truncated conical tower; 33.	
2780 D 1830	-Puebla del Caraminal, mole, head.	42° 36.3' N 8° 56.0' W	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	30 9	6	Red and white round concrete tower; 23.	
2781 D 1830.4	--Pier, head.	42° 36.3' N 8° 55.9' W	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	33 10	5	Green and white round tower; 20.	
2784 D 1831	Puerto de Escarbote, mole, head.	42° 38.1' N 8° 54.6' W	Fl.(3)W.R. period 7s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3.5s	23 7	3	Masonry column.	W. 340°-010°, R.-340°.
2788 D 1842	-Carril, mole, head.	42° 36.8' N 8° 46.7' W	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s		5	Green square tower.	Fl.(4)G. 11s 1M light close N.
2796 D 1838	-Villajuan, mole, head.	42° 35.4' N 8° 47.5' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	20 6	3	Green column; 10.	
2804 D 1834	-Villanueva, Rio Curras entrance, N. side, mole, head.	42° 33.8' N 8° 49.9' W	Fl.(2+1)G. period 15s	30 9	1	STARBOARD (A) G, beacon, topmark; 20.	
2807 D 1815	-Cambados, shelter dike.	42° 31.0' N 8° 49.7' W	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	36 11	3	Red round tower; 16.	
2808 D 1814	-Breakwater, S. head.	42° 30.8' N 8° 49.2' W	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	8	Prismatic tower; 20.	
2812 D 1808	--Bajo Lobeira de Cambodas, off S. extremity.	42° 30.7' N 8° 51.9' W	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	33 10	5	Red and white truncated conical tower; 33.	
2820 D 1806	-Bajo Praguero.	42° 31.0' N 8° 52.8' W	Fl.(4)G. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	5	White truncated conical tower, green band.	
2824 D 1810	-Bajo Golfeira.	42° 30.3' N 8° 52.0' W	Q.G.	33 10	3	Green and white truncated conical tower; 33.	
2828 D 1812	-Puerto El Grove, W. breakwater, head.	42° 29.8' N 8° 51.5' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	36 11	3	Green round tower; 26.	
2832 D 1846	Isla Ons.	42° 22.9' N 8° 56.2' W	Fl.(4)W. period 24s	417 127	25	Octagonal tower; 39.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-WEST COAST							
2836 <i>D 1847</i>	Playa del Curro, pier.	42° 22.6' N 8° 55.9' W	Fl.R. period 4s fl. 0.5s, ec. 3.5s	30 9	2	Red round tower; 16.	
RIA DE MARIN:							
2840 <i>D 1848</i>	-Bajo Camouco, on S. rock.	42° 24.0' N 8° 55.0' W	Fl.(3)R. period 18s fl. 1s, ec. 2.5s fl. 1s, ec. 2.5s fl. 1s, ec. 10s	33 10	8	Tower beacon; 23.	
2844 <i>D 1850</i>	-Bajo Picamillo.	42° 24.3' N 8° 53.4' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	39 12	8	Tower beacon; 42.	
2848 <i>D 1855</i>	-Portonovo, Dique-muelle, head.	42° 23.6' N 8° 49.2' W	Fl.(3)R. period 6s fl. 0.3s, ec. 1s fl. 0.3s, ec. 1s fl. 0.3s, ec. 3.1s	37 11	4	Red metal column; 19.	
2852 <i>D 1856</i>	-Sangenjo, N. side of bay, mole, head.	42° 23.9' N 8° 48.3' W	Fl.(4)R. period 12s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 7s	26 8	4	Red metal tower; 20.	
2854 <i>D 1858</i>	-Puerto de Rajo, mole, head.	42° 24.1' N 8° 45.3' W	Fl.(2)R. period 8s	36 11	3		
2856 <i>D 1860</i>	-Punta Tenlo Chico, Isla Tambo.	42° 24.5' N 8° 42.5' W	Oc.(3)W. period 8s	115 35	11	White round tower, upper part conical.	
-Pontevedra:							
2860 <i>D 1862</i>	--N. jetty, head.	42° 24.9' N 8° 41.5' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	23 7	4	White prismatic tower.	2 Fl.R. 3s on training wall.
2864 <i>D 1864</i>	--S. Jetty, head.	42° 24.8' N 8° 41.2' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	23 7	6	White prismatic tower.	2 Fl.G. on training wall.
2866 <i>D 1865.6</i>	-Combarro, mole, head.	42° 25.8' N 8° 42.3' W	Fl.(2)R. period 8s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	29 9	3	Red round tower; 20.	
2868 <i>D 1866</i>	-Marin, W. mole, head.	42° 23.9' N 8° 42.3' W	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	6	Green round column, white base; 20.	
2872 <i>D 1867</i>	--Muelle Comercial, head.	42° 24.0' N 8° 42.1' W	Fl.(2+1)G. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 4.5s	23 7	2	Green round column, red band; 13.	
2876 <i>D 1868.4</i>	--Puerto Pesquera, N. mole.	42° 24.0' N 8° 41.8' W	Fl.(2)R. period 6s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 3.5s	23 7	2	Red round column, white base; 13.	
2880 <i>D 1870</i>	-Bueu, mole, head.	42° 19.7' N 8° 47.1' W	Fl.(2)R. period 6s fl. 0.4s, ec. 1.4s fl. 0.4s, ec. 3.8s	23 7	4	Red metal mast; 10.	
2884 <i>D 1871</i>	--Dique Norte, head.	42° 19.8' N 8° 47.1' W	Fl.G. period 3s fl. 0.3s, ec. 2.7s	31 9	4	Green metal pillar; 20.	
2888 <i>D 1872</i>	-Bajo Mourisca.	42° 20.9' N 8° 49.2' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	39 12	5	Beacon tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-WEST COAST							
2896 D 1873	Punta Couso.	42° 18.6' N 8° 51.3' W	Fl.(3)W.G. period 10.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 4.5s	66 20	W. 10 G. 8	White and green round masonry tower; 16.	G. 060°-096°, W.-190°, G.-000°.
2900 D 1873.4	Aldan wharf.	42° 16.8' N 8° 49.4' W	Fl.(2)R. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	23 7	5	Red metal tower; 26.	
RIA DE VIGO:							
2904 D 1874	-Punta Robaleira, Cabo del Home, N. entrance to bay.	42° 15.0' N 8° 52.4' W	Fl.(2)W.R. period 7.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5s	89 27	W. 11 R. 9	Red tower; 19.	W. 300°-30'-321°30', R.-090°, obsc.-115°30', R.-170°30'.
-RACON C(- • - •) (3 & 10 cm)							
2908 D 1876	-Cabo del Home Range, front, on Cabo del Home.	42° 15.2' N 8° 52.4' W	Fl.W. period 3s fl. 1.3s, ec. 1.7s	124 38	9	Red column on white round tower; 61.	Visible 090°-180°.
2912 D 1876.1	--Punta Subrido, rear, 815 meters 129° from front.	42° 14.9' N 8° 51.9' W	Oc.W. period 6s lt. 4.3s, ec. 1.7s	174 53	11	Red column on white round tower; 44.	Visible 090°-180°.
-Islas Cies:							
2916 D 1882	--Monte Agudo, on Isla Cies del Norte, E. side.	42° 14.6' N 8° 54.2' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	82 25	10	Tower and white wall; 16.	Visible 146°30'-334°.
2920 D 1884	--Monte Faro.	42° 12.8' N 8° 54.9' W	Fl.(2)W. period 8s fl. 1s, ec. 1s fl. 1s, ec. 5s	614 187	22	Tower and cabin; 33.	Obscured 315°-016°30' over Bajos de los Castros and Forcados.
2924 D 1886	--Punta Canabal, S. end of Isla Faro.	42° 12.7' N 8° 54.8' W	Fl.(3)W. period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 15.5s	213 65	10	White tower; 32.	
2928 D 1888	--Cabo Vicos, Isla San Martin, SE. point, Ria de Vigo, S. entrance.	42° 11.5' N 8° 53.5' W	Fl.(3)R. period 9s	308 94	10	White tower; 23.	Visible 210°30'-108°.
2932 D 1889	--Isla Boeiro.	42° 10.7' N 8° 54.6' W	Fl.(2)R. period 8s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	75 23	5	White truncated tower; 20.	
2936 D 1891	-Punta Lameda, S. entrance point of bay, E. side.	42° 09.3' N 8° 50.8' W	Fl.(2)G. period 8s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	95 29	5	White tower; 13.	
2938 D 1907	-Las Serralleiras.	42° 08.8' N 8° 52.6' W	Fl.G. period 4s fl. 0.4s, ec. 3.6s	36 11	5	White truncated conical tower; 20.	
2940 D 1890	-Cabo Estay Range, front.	42° 11.1' N 8° 48.9' W	Iso.W. period 2s	59 18	18	Red truncated pyramidal tower, white bands; 26.	Visible 066°18'-072°18'. Nautophone: Mo.(V) ev. 60s (bl. 1.5s, si. 1.5s, bl. 1.5s, si. 1.5s, bl. 1.5s, si. 1.5s, bl. 9s, si. 42s).
-RACON B(- • • •)							
2944 D 1890.1	--Rear, 660 meters 069°20' from front.	42° 11.2' N 8° 48.4' W	Oc.W. period 4s lt. 3s, ec. 1s	164 50	18	Red truncated pyramidal tower, white bands; 23.	Visible 066°18'-072°18'.
2948 D 1893	-Canido (Toralla), breakwater, head.	42° 11.7' N 8° 48.1' W	Q.G.	39 12	5	White and green tower; 23.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-WEST COAST							
2956 <i>D 1894</i>	-Bajo Tofino.	42° 13.7' N 8° 46.7' W	Fl.(4)G. period 14s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	36 11	5	Round tower, upper part green, lower white, marked "3".	
2957 <i>D 1895.55</i>	-Al Cabre.	42° 13.5' N 8° 46.1' W	Q.G.	20 6	1	Metal column; 10.	
2960 <i>D 1892</i>	-Punta Borneira, No. "6".	42° 14.4' N 8° 47.5' W	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	43 13	5	Red and white tower; 36.	Radar reflector.
2962 <i>D 1894.5</i>	-Dique Frigorificos del Morrazo, head.	42° 15.3' N 8° 47.1' W	Fl.(2)R. period 7s	23 7	3	Red round tower; 16.	Visible 080°-360°.
2964 <i>D 1895</i>	-Cangas, outer mole, head.	42° 15.6' N 8° 46.9' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	33 10	5	Red round tower; 19.	
2968 <i>D 1895.4</i>	--Inner mole, head.	42° 15.7' N 8° 46.9' W	Fl.(2+1)R. period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 7.5s	7 2	1	Red lantern.	
2972 <i>D 1896</i>	-Bouzas, Dique Muelle, 4th arm, head.	42° 14.0' N 8° 44.4' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	33 10	5	Green round tower; 16.	Obscured 061°-110°. Radar reflector.
2976 <i>D 1895.8</i>	-Ferry jetty, NE. corner.	42° 14.1' N 8° 45.1' W	Fl.G. period 4s fl. 0.5s, ec. 3.5s	33 10	5	Green 4-sided tower; 13.	Visible 072°-319°.
2978 <i>D 1895.7</i>	--NW. corner.	42° 13.8' N 8° 45.8' W	Q.W.	26 8	5	N. CARDINAL BY, topmark.	Radar reflector.
2980 <i>D 1895.9</i>	--E. corner.	42° 14.0' N 8° 45.1' W	Fl.G. period 4s fl. 0.5s, ec. 3.5s	33 10	5	Green round tower; 13.	Visible 156°30'-066°30'.
-Vigo:							
2988 <i>D 1898</i>	--Muelle del Berbes, NE. head.	42° 14.4' N 8° 44.0' W	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	33 10	5	Green tower; 19.	
2992 <i>D 1900</i>	--Muelle Trasatlanticos, W. head.	42° 14.4' N 8° 43.9' W	Fl.(2)R. period 7s	33 10	5	Masonry column; 20.	Radar reflector.
2996 <i>D 1900.2</i>	--E. head.	42° 14.6' N 8° 43.5' W	Fl.(4)G. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	33 10	5	Masonry column; 20.	Q.R. 10m 5M and Q.G. 5M mark entrance to yacht harbor 200 meters E. Radar reflector.
3000 <i>D 1901</i>	--Muelle de Transveral.	42° 14.6' N 8° 42.9' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	33 10	5	Green tower; 16.	Radar reflector.
3002 <i>D 1901.2</i>	--Muelle de Guixar, N. head.	42° 15.0' N 8° 42.6' W	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	33 10	5	Red tower; 20.	Radar reflector.
3004 <i>D 1897</i>	--Darsena No. "4", breakwater, head.	42° 14.0' N 8° 44.2' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	33 10	5	Metal tower; 20.	Obscured 200°-300°. Radar reflector.
3012 <i>D 1901.5</i>	-La Guia.	42° 15.6' N 8° 42.1' W	Oc.(2+1)W. period 20s lt. 5.3s, ec. 2.4s lt. 2.2s, ec. 2.4s lt. 5.3s, ec. 2.4s	121 37	15	White round tower; 69.	A F.R. light is shown on pier about 915 meters and a F.G. light on pier about 640 meters E. of Punta Areino.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-WEST COAST							
3014 <i>D 1904.6</i>	-Domayo, pier, head.	42° 17.0' N 8° 41.0' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	20 6	5	Red column.	Visible 074°-341°.
3016 <i>D 1895.6</i>	-El Pego bank.	42° 15.5' N 8° 45.0' W	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	5	Red round tower; 13.	Radar reflector.
3020 <i>D 1901.6</i>	-El Con, pier.	42° 16.3' N 8° 44.2' W	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	36 11	5	Red brick round tower; 19.	
3024 <i>D 1902</i>	-Moana, breakwater, head.	42° 16.5' N 8° 44.1' W	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	5	Red post; 20.	
3029 <i>D 1902.6</i>	--Breakwater, head.	42° 16.9' N 8° 43.2' W	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	5	Red column; 13.	
3032 <i>D 1912</i>	-Punta Tenaza, Bayona, mole, head.	42° 07.5' N 8° 50.7' W	Q.G.	39 12	5	White and green tower; 29.	
3040 <i>D 1911</i>	-Cabezo de San Juan (Pego Shoal) Range, front.	42° 08.2' N 8° 50.2' W	Fl.W. period 6s fl. 0.5s, ec. 5.5s	30 9	10	White truncated conical tower.	
3044 <i>D 1911.1</i>	--Panjon, rear, 2 km. 084° from front.	42° 08.1' N 8° 49.0' W	Oc.W. period 4s lt. 3s, ec. 1s	62 19	9	White truncated tower on octagonal base; 29.	
3048 <i>D 1914</i>	-Panjon, mole, head.	42° 08.5' N 8° 49.5' W	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	39 12	5	Red masonry tower; 23.	
3052 <i>D 1916</i>	Cabo Silleiro.	42° 06.2' N 8° 53.8' W	Fl.(2+1)W. period 15s fl. 0.4s, ec. 2.2s fl. 0.4s, ec. 5.8s fl. 0.4s, ec. 5.8s	279 85	24	White octagonal tower, red bands on red structure; 98.	
LA GUARDIA:							
3066 <i>D 1920.5</i>	-Breakwater, head.	41° 54.1' N 8° 52.9' W	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	43 13	5	Red truncated conical tower; 10.	
3068 <i>D 1921</i>	-Mole, head.	41° 54.0' N 8° 52.8' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	43 13	5	Green truncated conical tower; 10.	Siren: Mo.(L) ev.30s (bl. 1.5s, si. 1.5s, bl. 4.5s, si. 1.5s, bl. 1.5s, si. 1.5s, bl. 1.5s, si. 16.5s).
3072 <i>D 1924</i>	Camposancos, Rio Mino, N. bank, mole.	41° 53.3' N 8° 51.0' W	Fl.R. period 4s fl. 1s, ec. 3s	23 7	3	Red round tower; 20.	

Section 3

Portugal, Southwest Coast of Spain and Gibraltar

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
PORTUGAL							
3076 <i>D 2002</i>	Insua.	41° 51.5' N 8° 52.5' W	Fl.W.R.G. period 4s fl. 1s, ec. 3s	56 17	W. 12 R. 9 G. 8	White column, square base; 23.	W. 357°-204°, G.-270°, R.-357°.
3080 <i>D 2003</i>	Moledo Range, front.	41° 50.9' N 8° 51.7' W	Oc.R. period 5s lt. 3s, ec. 2s	43 13	6	Column, red and white bands; 10.	Visible over an arc of 90°.
3084 <i>D 2003.1</i>	-Rear, 25 meters 099°30' from front.	41° 50.9' N 8° 51.9' W	Oc.R. period 5s lt. 3s, ec. 2s	56 17	6	White octagonal column, red stripes; 23.	Visible over an arc of 90°.
3090 <i>D 2006</i>	Praia de Ancora.	41° 48.9' N 8° 52.0' W	Fl.(2)R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	52 16	9	White tower, red bands; 26.	Siren: 1 bl. ev. 60s. (bl. 10s, si. 50s).
3096 <i>D 2008</i>	Cabo Montedor.	41° 45.0' N 8° 52.5' W	Fl.(2)W. period 9.5s fl. 0.2s, ec. 1.7s fl. 0.2s, ec. 7.4s	338 103	22	Square masonry tower, dwelling; 92.	Nautophone: (about 503 meters WSW.) 3 bl. ev. 25s (bl. 2s, si. 2s, bl. 2s, si. 2s, bl. 2s, si. 15s).
VIANA DO CASTELO:							
3099 <i>D 2012.8</i>	-Outer breakwater, head.	41° 40.4' N 8° 50.6' W	Fl.R. period 3s fl. 1s, ec. 2s		9	Round tower, red and white bands; 33.	Nautophone: 1 bl. ev. 30s (bl. 10s, si. 20s).
3100 <i>D 2012</i>	-Rio Lima, Barra Sul, entrance Range, front.	41° 41.2' N 8° 50.3' W	Iso.R. period 4s	49 15	5	Red round tower, white gallery and lantern; 20.	Visible 241°-151°.
3104 <i>D 2012.1</i>	--Senhora da Agonia, rear, 503 meters 012°30' from front.	41° 41.5' N 8° 50.1' W	Oc.R. period 6s lt. 4s, ec. 2s	108 33	5	Red round tower, white gallery and lantern; 29.	Visible 007°30' on each side of range line.
3120 <i>D 2015</i>	Rio Neiva Range, front.	41° 37.6' N 8° 49.0' W	Oc.G. period 6s lt. 4s, ec. 2s	43 13	6	Post, red and white bands, diamond daymark.	
3124 <i>D 2015.1</i>	-Rear, 61 meters 064°54' from front.	41° 37.2' N 8° 48.7' W	Oc.G. period 6s lt. 4s, ec. 2s	62 19	6	Post, red and white bands, orange double triangular daymark, bases together.	
3128 <i>D 2016</i>	Esposende.	41° 32.5' N 8° 47.4' W	Fl.W. period 5s fl. 0.1s, ec. 4.9s	65 20	20	Red tower, yellow building attached; 49.	Nautophone: 1 bl. ev. 20s (bl. 5s, si. 15s).
3132 <i>D 2016.2</i>	Apulia Range, front.	41° 29.1' N 8° 46.8' W	Fl.R. period 2s fl. 0.3s, ec. 1.7s	46 14	6	Post, red and white bands; 23.	Visible 340°24'-160°24'. Siren: 1 bl. ev. 75s (bl. 15s, si. 60s).
3136 <i>D 2016.21</i>	-Rear, 55 meters 070°24' from front.	41° 29.0' N 8° 47.0' W	L.Fl.R. period 6s fl. 2s, ec. 4s	69 21	6	Yellow daymark, red bands, on building; 46.	Visible 340°24'-160°24'.
POVOA DE VARZIM:							
3160 <i>D 2020.4</i>	-Molhe Norte, head.	41° 22.2' N 8° 46.2' W	Fl.R. period 3s fl. 1s, ec. 2s	46 14	12	Metal tower; 16.	
3164 <i>D 2020.6</i>	-Molhe Sul, head.	41° 22.2' N 8° 46.0' W	L.Fl.G. period 6s fl. 2s, ec. 4s		4	Metal tower; 13.	Siren: 1 bl. ev. 40s (bl. 10s, si. 30s).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
PORTUGAL							
VILA DO CONDE:							
3188 <i>D 2024</i>	-Bar Range, front, N. side of entrance to Rio Ave.	41° 20.4' N 8° 44.8' W	Oc.R. period 3s lt. 2s, ec. 1s	23 7	6	Red pylon; 16.	Second entrance range.
3192 <i>D 2024.1</i>	--Rear, about 86 meters 356° 42' from front.	41° 20.6' N 8° 44.9' W	Oc.R. period 3s	39 12	6	Red iron post on red hut; 16.	
3196 <i>D 2023</i>	-Azurara, first Range, front.	41° 20.1' N 8° 44.3' W	Iso.G. period 4s	33 10	6	Post, red and white bands; 23.	
3200 <i>D 2023.1</i>	--Rear, 100 meters 079°24' from front.	41° 20.2' N 8° 44.0' W	Iso.G. period 4s	89 27	6	Post, red and white bands; 20.	
3204 <i>D 2023.7</i>	-N. mole, head.	41° 20.1' N 8° 44.9' W	Fl.R. period 4s fl. 1s, ec. 3s	30 9	9	Column; 26.	Siren: 1 bl. ev. 30s (bl. 10s, si. 20s).
3208 <i>D 2027</i>	Vila Cha Range, front.	41° 17.6' N 8° 44.1' W	Fl.R. period 3s fl. 1s, ec. 2s	30 9	6	Round column, red and white bands; 18.	Siren: 1 bl. ev. 60s.
3212 <i>D 2027.1</i>	-Rear, 140 meters ENE. of front.	41° 17.5' N 8° 43.9' W	Fl.R. period 3s fl. 1s, ec. 2s	49 15	6	Round column, red and white bands; 18.	
3216 <i>D 2028.4</i>	Angeiras, first entrance Range, front.	41° 15.8' N 8° 43.6' W	Oc.R. period 6s lt. 4s, ec. 2s	26 8	6	Post.	Leads to shelter at sea south of Leixoes.
3220 <i>D 2028.5</i>	-Rear, 042°30' from front.	41° 15.8' N 8° 43.6' W	Oc.R. period 6s lt. 4s, ec. 2s	33 10	6	Post.	
3224 <i>D 2029</i>	Angeiras Range, front.	41° 15.7' N 8° 43.5' W	Oc.G. period 5s lt. 3s, ec. 2s	30 9	5	Iron column; 13.	Siren: (on Guarita watch tower NE.) 1 bl. ev. 60s (bl. 30s, si. 30s).
3228 <i>D 2029.1</i>	--Rear, 234 meters 062° 30' from front.	41° 15.8' N 8° 43.4' W	Oc.G. period 5s lt. 4s, ec. 1s	43 13	5	Iron column; 13.	
3232 <i>D 2031</i>	Pedras Rubras AVIATION LIGHT.	41° 14.1' N 8° 40.4' W	Al.Fl.W.G. period 10s	279 85		Control tower; 52.	
3236 <i>D 2032</i>	Leca.	41° 12.0' N 8° 42.6' W	Fl.(3)W. period 14s fl. 0.2s, ec. 2.1s fl. 0.2s, ec. 2.1s fl. 0.2s, ec. 9.2s	187 57	28	White round concrete tower, narrow black bands, attached buildings; 151.	F.R. lights are shown from radio masts at Boa Nova.
3240 <i>D 2034</i>	-Quebra-mar, oil terminal, head.	41° 10.3' N 8° 42.4' W	Fl.W.R. period 5s fl. 0.5s, ec. 4.5s	79 24	W. 12 R. 9	Truncated tower.	R. 001°-180°, W.-001°. Reserve light range 8/7M. Nauphone: 1 bl. ev. 20s (bl. 5s, si. 15s).
3244 <i>D 2036</i>	-S. breakwater, head.	41° 10.6' N 8° 42.3' W	Fl.G. period 4s fl. 1s, ec. 3s	56 17	7	Hexagonal tower; 33.	Visible 328°-285°. Nauphone: 1 bl. ev. 30s (bl. 10s, si. 20s).
3248 <i>D 2038</i>	-N. breakwater spur, head.	41° 10.6' N 8° 42.4' W	Fl.R. period 4s fl. 1s, ec. 3s	29 9	6	Red hut; 13.	Visible 173°-353°.
3249 <i>D 2037</i>	-Cais Oeste.	41° 11.1' N 8° 42.2' W	L.Fl.(2)R. period 12s fl. 2s, ec. 3s fl. 2s, ec. 5s	16 5	2	White post, red bands.	
RIO DOURO:							
3253 <i>D 2045</i>	-S. Mole, pier, head.	41° 08.7' N 8° 40.5' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	49 15	6	White column, green stripes.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
PORTUGAL							
3254 <i>D 2045.5</i>	-N. Mole, pier, head.	41° 08.7' N 8° 40.8' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	56 17	9	White column, red stripes; 20.	
3264 <i>D 2052</i>	Praia da Aguda Range, front.	41° 02.7' N 8° 39.1' W	L.Fl.R. period 6s fl. 2s, ec. 4s	52 16	7	Post, red and white bands; 26.	Siren: 1 bl. ev. 30s (bl. 10s, si. 20s).
3268 <i>D 2052.1</i>	-Rear, about 49 meters from front.	41° 02.7' N 8° 39.1' W	L.Fl.R. period 6s fl. 2s, ec. 4s	66 20	7	Post, red and white bands; 39.	
3269 <i>D 2052.5</i>	-"E".	40° 58.4' N 8° 38.9' W	Fl.Y. period 5s fl. 1s, ec. 4s	33 10	9	Tower on black structure, yellow bands; 13.	Marks outfall.
3270 <i>D 2059.59</i>	-"J", on beach.	40° 40.4' N 8° 44.5' W	Fl.Y. period 5s fl. 1s, ec. 4s	33 10	9	Tower on black structure, yellow bands; 13.	
3272 <i>D 2056</i>	Aveiro.	40° 38.5' N 8° 44.8' W	Fl.(4)W. period 13s fl. 0.3s, ec. 2s fl. 0.3s, ec. 2s fl. 0.3s, ec. 2s fl. 0.3s, ec. 5.8s	217 66	23	Red round tower, white bands, on center of two-story building; 203.	Aeromarine light.
			Fl.G. period 4s	177 54	9	Same structure; 164.	Visible 065°24'-105°24'.
3280 <i>D 2058</i>	-S. mole.	40° 38.4' N 8° 45.4' W	Fl.G. period 3s fl. 0.5s, ec. 2.5s	56 17	9	Truncated tower, green and white bands; 39.	
3281 <i>D 2056.2</i>	-Entrance Range, front.	40° 38.7' N 8° 44.9' W	Oc.R. period 3s lt. 2s, ec. 1s	26 8	9	Red column; 16.	
3282 <i>D 2056.21</i>	--Rear, 440 meters from front.	40° 38.9' N 8° 44.7' W	Oc.R. period 6s lt. 4s, ec. 2s	52 16	9	Red column; 43.	Visible 060°36'-070°36'.
3284 <i>D 2060</i>	Cabo Mondego.	40° 11.4' N 8° 54.2' W	Fl.W. period 5s fl. 0.2s, ec. 4.8s	318 97	28	White square masonry tower, dwelling; 49.	Nautophone: 1 bl. ev. 30s.
BUARCOS:							
3288 <i>D 2062</i>	-N. of Rio Mondego Range, front.	40° 09.8' N 8° 52.4' W	Iso.W.R.G. period 6s	39 12	W. 9 R. 6 G. 5	Red round tower, white bands; 23.	G. 004°-028°, W.-048°, R.-086°.
FIGUEIRA DA FOZ:							
3296 <i>D 2066</i>	-N. mole, head.	40° 08.7' N 8° 52.5' W	Fl.R. period 6s fl. 1.5s, ec. 4.5s	46 14	9	White column, red bands; 30.	Nautophone: 1 bl. ev. 35s (bl. 10s, si. 25s).
3300 <i>D 2068</i>	-S. mole, head.	40° 08.5' N 8° 52.3' W	Fl.G. period 6s fl. 0.5s, ec. 5.5s	46 14	7	White column, green bands; 23.	
3304 <i>D 2069</i>	-Bar Range, front.	40° 08.8' N 8° 51.9' W	Iso.R. period 5s	23 7	8	White column, red bands; 13.	
3308 <i>D 2069.1</i>	--Rear, 081°30' from front.	40° 08.8' N 8° 51.0' W	Oc.R. period 6s lt. 4s, ec. 2s	36 11	8	White column, red bands; 23.	
3312 <i>D 2072</i>	Penedo da Saudade.	39° 45.8' N 9° 01.8' W	Fl.(2)W. period 15s fl. 0.2s, ec. 3.5s fl. 0.2s, ec. 11.1s	180 55	30	Square masonry tower, dwelling attached; 105.	Aeromarine light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
PORTUGAL							
3316 <i>D 2074</i>	Nazare, fort (Morro de Nazare), SW. corner.	39° 36.2' N 9° 05.0' W	Oc.W. period 3s lt. 2s, ec. 1s	164 50	14	Red lantern on wall of fort; 26.	Visible 282°-192°. L.Fl.R. and L.Fl.G. lights mark head of moles. Siren: 1 bl. ev. 35s (bl. 10s, si. 25s).
SAO MARTINHO DO PORTO:							
3320 <i>D 2076</i>	-Ponta de Santo Antonio.	39° 30.5' N 9° 08.5' W	L.Fl.R. period 6s fl. 2s, ec. 4s	108 33	9	White round tower, red bands.	Siren: 1 bl. ev. 60s.
3324 <i>D 2078</i>	-Range, front.	39° 30.1' N 9° 08.3' W	Iso.R. period 1.5s	33 10	9	Round tower, red and white bands.	
3328 <i>D 2078.1</i>	--Rear, about 127 meters 145° from front.	39° 30.1' N 9° 08.2' W	Oc.R. period 6s lt. 5s, ec. 1s	39 12	6	Round tower, red and white bands.	
3332 <i>D 2084</i>	Farilhaos.	39° 28.7' N 9° 32.7' W	Fl.(2)W. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	328 100	13	Round red tower; 20.	
3336 <i>D 2086</i>	Berlenga.	39° 24.8' N 9° 30.5' W	Fl.W. period 10s fl. 1s, ec. 9s	397 121	16	White square masonry tower, dwelling attached; 95.	Horn: 1 bl. ev. 28s (bl. 6s, si. 22s).
3340 <i>D 2088</i>	Cabo Carvoeiro.	39° 21.5' N 9° 24.4' W	Fl.(3)R. period 15s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 9.7s	187 57	15	White square masonry tower, attached dwellings; 88.	Reserve light range 13M. Nauphone: 1 bl. ev. 35s (bl. 10s, si. 25s).
PENICHE:							
3344 <i>D 2092</i>	-Peniche de Cima Range, front.	39° 21.6' N 9° 22.3' W	L.Fl.R. period 7s fl. 2s, ec. 5s	30 9	8	Balcony with lantern on red column; 23.	Reserve light range 4M.
3348 <i>D 2092.1</i>	--Rear, 60 meters 215° from front.	39° 21.8' N 9° 22.3' W	L.Fl.R. period 7s fl. 2s, ec. 5s	43 13	6	Lantern; 33.	Reserve light range 4M.
3352 <i>D 2096</i>	-E. mole, head.	39° 20.8' N 9° 22.3' W	Fl.G. period 3s fl. 1s, ec. 2s	46 14	9	White truncated tower, green bands.	
3356 <i>D 2094</i>	-W. mole, head.	39° 20.9' N 9° 22.6' W	Fl.R. period 3s fl. 1s, ec. 2s	39 12	9	White truncated tower; red bands; 26.	Siren: 1 bl. ev. 120s (bl. 25s, si. 95s).
3360 <i>D 2098</i>	Porto das Barcas.	39° 13.8' N 9° 20.4' W	Fl.R. period 6s	92 28	6	Building; 33.	Seasonal.
3364 <i>D 2100</i>	Porto Dinheiro.	39° 13.0' N 9° 20.6' W	Oc.W. period 3s	59 18	8	Iron column; 16.	Seasonal.
3368 <i>D 2102</i>	Assenta, S. of Ponta da Lamparoeira.	39° 03.4' N 9° 24.8' W	L.Fl.W. period 5s fl. 2s, ec. 3s	246 75	13	White concrete hut, conical base; 13.	
3372 <i>D 2106</i>	Ericeira.	38° 57.8' N 9° 25.0' W	Oc.R. period 3s lt. 2s, ec. 1s	121 37	6	White concrete sentry box, black square daymark; 26.	Siren: 1 bl. ev. 70s (bl. 16s, si. 54s).
3376 <i>D 2108</i>	Cabo da Roca.	38° 46.8' N 9° 29.8' W	Fl.(4)W. period 18s fl. 0.3s, ec. 2.7s fl. 0.3s, ec. 2.7s fl. 0.3s, ec. 2.7s fl. 0.3s, ec. 8.7s	541 165	26	White square tower, red top, and buildings; 79.	
3380 <i>D 2110</i>	Cabo Raso.	38° 42.6' N 9° 29.1' W	Fl.(3)W. period 9s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 4.2s	75 23	15	Red tower; 43.	Visible 324°-189°. Reserve light range 10M. Nauphone: 2 bl. ev. 60s (bl. 4s, si. 4s, bl. 4s, si. 48s).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
PORTUGAL							
LISBOA:							
3388 <i>D 2118</i>	-Forte Santa Marta , Barra do Norte Range, front.	38° 41.5' N 9° 25.2' W	Oc.W.R. period 6s lt. 4.5s, ec. 1.5s	82 25	W. 18 R. 14	White square tower, blue bands; 66.	R. 233°-334°, W.-098°. Horn: 1 bl. ev. 10s (bl. 3s, si. 7s).
3389 <i>D 2114</i>	-Guia , rear, 285° from front.	38° 41.8' N 9° 26.7' W	Iso.W.R. period 2s	190 58	W. 19 R. 16	White octagonal tower, dwelling; 92.	W. 326°-092°, R. 278°-292°.
3390 <i>D 2119</i>	-S. mole, head.	38° 41.6' N 9° 24.8' W	Fl.(3)R. period 4s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 1.5s	26 8	6	Metal post, red and white bands; 10.	
3390.5 <i>D 2119.1</i>	-N. mole, head.	38° 41.6' N 9° 24.9' W	Fl.(2)G. period 4s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 2.5s	26 8	3	Metal post, green and white bands; 16.	
3392 <i>D 2121</i>	-Cascais, Praia de Ribeira.	38° 41.8' N 9° 25.1' W	Oc.R. period 4s lt. 3s, ec. 1s	23 7	6	White column, red bands; 15.	Visible 251°-309°.
3396 <i>D 2122</i>	-Albatroz.	38° 41.9' N 9° 24.9' W	Oc.R. period 6s lt. 4s, ec. 2s	43 13	5	Lantern; 20.	
3398 <i>D 2123</i>	-Carcavelos.	38° 40.9' N 9° 20.8' W	Iso.W.R. period 3s	59 18	9	Yellow truncated tower; 39.	R.048°-058°, W.-068°.
3400 <i>D 2124</i>	-Sao Julia da Barra, entrance, N. side.	38° 40.5' N 9° 19.5' W	Oc.R. period 5s lt. 3s, ec. 2s	128 39	14	Gray tower, red cupola; 78.	
3401 <i>D 2126.25</i>	-Oeiras Marina, N. pier.	38° 40.6' N 9° 19.0' W	Fl.G. period 3s fl. 1s, ec. 2s	33 10	5	White tower, green bands; 13.	
3402 <i>D 2126.2</i>	--S. pier.	38° 40.6' N 9° 19.0' W	Fl.R. period 3s fl. 1s, ec. 2s	33 10	5	White tower, red bands; 16.	
3404 <i>D 2126</i>	-Fort Bugio.	38° 39.6' N 9° 17.9' W	Fl.G. period 5s fl. 1s, ec. 4s	92 28	15	Round tower, red cupola; 46.	Horn: Mo.(B) ev. 30s.
3406 <i>D 2126.5</i>	-Doca de Paco de Arcos, W. pier, head.	38° 41.4' N 9° 17.6' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	33 10	4	White stone tower; 15.	
3406.2 <i>D 2126.55</i>	--E. pier, head.	38° 41.5' N 9° 17.6' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	33 10	4	White stone tower; 15.	
3408 <i>D 2127</i>	-Barra do Sul Range , front.	38° 41.9' N 9° 16.0' W	Oc.R. period 3s lt. 2s, ec. 1s	102 31	21	Round tower, cupola, red ribs, red floodlighting; 69.	Visible 039°30'-054°30'.
3413 <i>D 2127.3</i>	-VTS Alges Pier, head.	38° 41.6' N 9° 14.0' W	Fl.(2)R. period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	23 7	7	White post, red bands; 7.	
3413.3 <i>D 2127.31</i>	-MR Pier, head.	38° 41.7' N 9° 14.0' W	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	4	White post, green bands; 7.	
3414 <i>D 2127.15</i>	-Mama Sul.	38° 43.7' N 9° 13.6' W	Iso.W. period 6s	505 154	21	Platform on tower.	Visible 045°30'-048°30'.
3416 <i>D 2127.4</i>	-Doca de Pedroucos, W. mole, head.	38° 41.5' N 9° 13.5' W	Fl.R. period 6s fl. 0.5s, ec. 5.5s	43 13	2	Post; 23.	
3420 <i>D 2127.6</i>	--E. mole, head.	38° 41.5' N 9° 13.4' W	F.G.	43 13	4	Post; 23.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
PORTUGAL							
3424 <i>D 2129</i>	-Doca do Bom Sucesso, entrance, W. side.	38° 41.6' N 9° 12.7' W	F.R.	36 11		Metal tower; 23.	5 groups of towers, each showing a F.R. light, are located at Alges de Cima.
3428 <i>D 2129.2</i>	--E. side.	38° 41.5' N 9° 12.6' W	F.G.	36 11		Metal tower; 23.	
3432 <i>D 2128</i>	-Portinho da Costa, NATO fuel pier, W. head.	38° 40.5' N 9° 13.3' W	F.G.	13 4	2 Mast.		
3436 <i>D 2128.5</i>	--E. head.	38° 40.5' N 9° 13.2' W	F.G.	13 4	2 Mast.		
3438 <i>D 2127.2</i>	-EPAC pier, W. side.	38° 40.6' N 9° 14.3' W	Q.W.	26 8	4 Post; 7.		
3438.5 <i>D 2127.25</i>	--E. side.	38° 40.6' N 9° 14.1' W	Q.W.	26 8	4 Post; 7.		
3439 <i>D 2127.18</i>	-NATO fuel pier, dolphin, W. side.	38° 40.3' N 9° 15.2' W	Fl.G. period 4s fl. 1s, ec. 3s	33 10	3 Green post; 13.		
3439.2 <i>D 2127.181</i>	--T-head, W. side.	38° 40.3' N 9° 15.1' W	F.G.	26 8	3 Green post; 13.		
3439.4 <i>D 2127.182</i>	--T-head, E. side.	38° 40.4' N 9° 15.0' W	F.G.	26 8	3 Green post; 13.		
3439.6 <i>D 2127.183</i>	--Dolphin, E. side.	38° 40.4' N 9° 14.9' W	Fl.G. period 5s fl. 1.5s, ec. 3.5s	33 10	3 Green post; 13.		
3440 <i>D 2130</i>	-Doca de Belem, entrance, W. side.	38° 41.6' N 9° 12.2' W	F.R.	36 11		Post; 23.	
3444 <i>D 2130.2</i>	--E. side.	38° 41.6' N 9° 12.1' W	F.G.	36 11		Post; 23.	
3448 <i>D 2130.4</i>	-Bridge, N. tower.	38° 41.6' N 9° 10.7' W	2 Fl.(3)G. period 9s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 5.5s	26 8	6	On bridge tower; 7.	Structure on each side of bridge. Visible 180°-000°. Obstruction light Fl.R. 10s marks top of tower. Horn: 2 bl. ev. 25s (bl. 2.5s, si. 5s, bl. 2.5s, si. 15s).
			2 Fl.(3)R. period 9s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 5.5s	26 8	6		
3452 <i>D 2130.6</i>	--S. tower.	38° 41.1' N 9° 10.6' W	2 Fl.(3)G. period 9s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 5.5s	26 8	6	On bridge tower; 7.	
			2 Fl.(3)R. period 9s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 5.5s	26 8	6		Structure on each side of bridge. Visible 180°-000°. Obstruction light Iso.R. 2s marks top of tower. Horn: 1 bl. ev. 25s (bl. 5s, si. 20s).
3453 <i>D 2132</i>	-Doca da Marinha Entrance, W. side.	38° 42.5' N 9° 07.8' W	F.R.	36 11	2 Post; 23.		
3453.5 <i>D 2132.2</i>	--E. side.	38° 42.5' N 9° 07.7' W	F.G.	36 11	2 Post; 23.		
3454 <i>D 2132.4</i>	-Doca do Terreiro do Trigo Entrance, SW. side.	38° 42.7' N 9° 07.5' W	F.R.	36 11	2 Metal tower; 23.		
3454.5 <i>D 2132.6</i>	--NE. side.	38° 42.7' N 9° 07.5' W	F.G.	30 9	2 Metal tower; 23.		

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
PORTUGAL							
3462 <i>D 2133.4</i>	-Lisnave.	38° 41.4' N 9° 08.5' W	Fl.G. period 2s fl. 0.5s, ec. 1.5s	13 4	3	White column, green bands.	Rio Tejo marked by buoys and beacons.
3463 <i>D 2134.46</i>	Olivais, pier, elbow.	38° 45.7' N 9° 05.4' W	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	20 6	3	White post, red bands; 10.	Fl.R. and Fl.G. lights mark entrance 420 meters S.
-Canal do Alfeite:							
3464 <i>D 2134.2</i>	--Entrance Range, front.	38° 39.9' N 9° 08.8' W	Oc.G. period 3s lt. 2s, ec. 1s	89 27	7	Tower, red bands; 13.	Daytime range 2.5M
3468 <i>D 2134.21</i>	---Rear, 200 meters 223°24' from front.	38° 39.9' N 9° 09.0' W	Oc.G. period 6s lt. 4s, ec. 2s	135 41	7	White tower, red bands; 13.	Daytime range 2.5M
3472	--Buoy 2B.	38° 40.8' N 9° 08.2' W	Q.R.			PORT (A) R, can, topmark.	
--RACON B(— • • •)							
3480 <i>D 2134.3</i>	-Arsenal do Alfeite, E. mole.	38° 40.2' N 9° 08.4' W	L.Fl.R. period 5s fl. 2s, ec. 3s	26 8	8	Round column, white and red bands; 16.	
3481 <i>D 2134.35</i>	--W. mole.	38° 40.5' N 9° 08.7' W	L.Fl.G. period 5s fl. 2s, ec. 3s	23 7	7	Tower, green and white bands; 10.	
3488 <i>D 2135.8</i>	-Rio Coina, bridge, S. tower.	38° 39.0' N 9° 05.0' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	20 6	3	Green post; 10.	
-Canal do Seixal:							
3490	--Buoy "13B-1S".	38° 39.3' N 9° 05.8' W	Fl.G. period 3s			STARBOARD (A) G, conical, topmark.	
--RACON Q(— • —)							
3492 <i>D 2136</i>	--Pilar.	38° 38.8' N 9° 05.9' W	Fl.R. period 3s fl. 0.5s, ec. 2.5s	20 6	6	Red and white column; 7.	
3496 <i>D 2136.1</i>	--Seca.	38° 38.8' N 9° 05.9' W	Fl.G. period 3s fl. 0.5s, ec. 2.5s	26 8	5	Green post; 16.	
-Canal do Montijo:							
3504 <i>D 2136.25</i>	--Central Electric, jetty, head.	38° 40.8' N 9° 03.4' W	L.Fl.G. period 10.5s fl. 4s, ec. 6.5s		3	Green lantern on tower.	
3505 <i>D 2136.5</i>	--Outfall, "BA6".	38° 42.3' N 9° 03.1' W	Fl.Y. period 6s fl. 1s, ec. 5s	13 4	3	SPECIAL Y, beacon, topmark.	
SESIMBRA:							
3508 <i>D 2139</i>	-Cabo Espichel.	38° 24.9' N 9° 13.0' W	Fl.W. period 4s fl. 0.3s, ec. 3.7s	551 168	26	White hexagonal masonry tower, two dwellings attached; 102.	Aeromarine light. Nautophone: (460 meters SW.) 1 bl. ev. 31s (bl. 8s, si. 23s).
3512 <i>D 2140</i>	-Forte do Cavallo, bay, W. side.	38° 26.0' N 9° 06.9' W	Oc.W. period 5s lt. 3s, ec. 2s	115 35	14	Red round tower; 23.	Reserve light F.W. 7M.
3516 <i>D 2144</i>	-New mole, head.	38° 26.4' N 9° 06.4' W	Fl.R. period 3s fl. 1s, ec. 2s		8	Tower, red and white bands; 23.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
PORTUGAL							
3518 <i>D 2144.2</i>	"E2N".	38° 26.6' N 9° 06.3' W	Oc.Y. period 6s lt. 5s, ec. 1s		3	SPECIAL Y, beacon, topmark; 10.	
3520 <i>D 2142</i>	-Entrance Range, front.	38° 26.4' N 9° 05.9' W	L.Fl.R. period 5s fl. 2s, ec. 3s	33 10	7	W. turret of fort; 33.	
3524 <i>D 2142.1</i>	--Rear, 003°30' from front.	38° 26.5' N 9° 06.0' W	L.Fl.R. period 5s fl. 2s, ec. 3s	72 22	6	NW. corner of fort; 56.	
3526 <i>D 2145</i>	-Cables Range, W., front.	38° 26.4' N 9° 05.5' W	Fl.R. period 2.5s fl. 0.3s, ec. 2.2s	26 8	2	White triangular daymark.	Marks W. limit of submarine cable area.
3526.1 <i>D 2145.1</i>	--Center, in line 030°.	38° 26.5' N 9° 05.4' W	Fl.R. period 3s fl. 0.3s, ec. 2.7s	489 149	2	White triangular daymark.	
3526.2 <i>D 2145.2</i>	--Rear, 030° from front.	38° 26.6' N 9° 05.4' W	Fl.R. period 3.5s fl. 0.4s, ec. 3.1s	640 195	2	White triangular daymark.	
3526.3 <i>D 2145.3</i>	-Cables Central Range, front.	38° 26.3' N 9° 05.1' W	Fl.W. period 2.5s fl. 0.3s, ec. 2.2s	443 135	6	Beacon, orange triangular daymark.	Marks NW. limit of submarine cable area.
3526.4 <i>D 2145.31</i>	--Rear, 057° from front.	38° 26.5' N 9° 04.7' W	Fl.W. period 3.5s fl. 0.4s, ec. 3.1s	886 270	6	Beacon, orange triangular daymark.	
3527 <i>D 2146</i>	-Serra de Achada Range, cables, front.	38° 26.1' N 9° 04.0' W	Fl.W. period 2.5s fl. 0.3s, ec. 2.2s	482 147	2	White triangular daymark.	Marks E. limit of submarine cable area.
3527.1 <i>D 2146.1</i>	--Center, in line 000°.	38° 26.2' N 9° 04.0' W	Fl.W. period 3s fl. 0.3s, ec. 2.7s	853 260	2	White triangular daymark.	
3527.2 <i>D 2146.2</i>	--Rear, 000° from front.	38° 26.2' N 9° 04.0' W	Fl.W. period 3.5s fl. 0.4s, ec. 3.1s	1027 313	2	White triangular daymark.	
SETUBAL:							
3532 <i>D 2150.22</i>	-Beacon No. "2".	38° 27.1' N 8° 58.4' W	Fl.(2)R. period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	46 14	9	Red round column, quadrangular top; 16.	
	-RACON		B(- • • •) period 60s		15		
3540 <i>D 2150.26</i>	-Beacon No. "4".	38° 27.8' N 8° 57.6' W	Fl.R. period 4s fl. 0.5s, ec. 3.5s	46 14	4	Red and white checkered column, red daymark; 16.	Radar reflector.
3544 <i>D 2150.28</i>	-Beacon No. "5".	38° 29.1' N 8° 55.3' W	Fl.G. period 4s fl. 0.5s, ec. 3.5s	46 14	4	Black column, green daymark.	Radar reflector.
3548 <i>D 2152</i>	-Canal da Sapie Range, front, Algarve Exportador.	38° 31.1' N 8° 53.6' W	Oc.R. period 4s lt. 3s, ec. 1s	49 15	15		
3552 <i>D 2152.1</i>	--Annunciada, rear, 550 meters 295°12' from front.	38° 31.3' N 8° 54.1' W	Iso.R. period 4s	75 23	15		
3556 <i>D 2150</i>	-Fote d'Outao, Rio Sado, W. side entrance.	38° 29.2' N 8° 56.0' W	Oc.R. period 6s lt. 4s, ec. 2s	112 34	12	White hexagonal tower; 36.	
3560 <i>D 2150.4</i>	-Albarquel.	38° 30.6' N 8° 54.7' W	Iso.R. period 2s	52 16	6	Red lantern on S. corner of fort.	
3564 <i>D 2151</i>	-Doca Pesca Range, E. pier, front.	38° 31.1' N 8° 54.0' W	Iso.Y. period 6s	46 14	22	Tower, red and white bands, white lantern; 28.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
PORTUGAL							
3568 <i>D 2151.1</i>	--Azeda, rear, 2.8 km. 039°42' from front.	38° 32.3' N 8° 52.7' W	Iso.Y. period 6s	200 61	22	Round tower, red and white bands, red lantern; 102.	Visible 038°18'-041°18'.
3569 <i>D 2157.4</i>	-S. dolphin.	38° 28.3' N 8° 48.5' W	Q.(5)W. period 8s	26 8	6	Post; 10.	Q.(3)W. 5s 8m 6M light marks dolphin close N.
3569.5 <i>D 2157.3</i>	--SE.	38° 28.2' N 8° 47.8' W	Q.(3)W. period 5s	26 8	6	Post; 10.	Q.(3)W. 5s 8m 6M and Q.(5)W. 8s 8m 6M lights mark 3 dolphins close E.
3570 <i>D 2158</i>	Pinheiro da Cruz.	38° 15.5' N 8° 46.3' W	Fl.W. period 3s fl. 1s, ec. 2s	220 67	9	Round column, red and white bands.	
SINES:							
3572 <i>D 2160</i>	-Cabo de Sines.	37° 57.6' N 8° 52.8' W	Fl.(2)W. period 15s fl. 0.2s, ec. 3.6s fl. 0.2s, ec. 11s	184 56	26	White round tower, dwelling; 72.	Reserve light range 21M. Obscured 001°-003° and 004°-007° within 17M. 4 Iso.R. 3M lights on dolphins SW.
3582 <i>D 2160.36</i>	--Mole.	37° 57.1' N 8° 52.1' W	Fl.R. period 6s fl. 1.8s, ec. 4.2s		6	Concrete structure, red and white bands; 13.	
3583 <i>D 2160.16</i>	--W. mole.	37° 56.7' N 8° 53.2' W	Fl.W. period 3s fl. 1s, ec. 2s	69 21	12	Truncated tower, red and white bands; 26.	
3584 <i>D 2160.4</i>	-Posto "1".	37° 56.4' N 8° 53.2' W	Dir.Iso.W.R.G. period 2s	52 16	W. 8 R. 6 G. 6	Metal pyramidal tower.	R. 257°-266°, W.-270°, G.-286°.
3587 <i>D 2160.5</i>	Ponta da Gaivota.	37° 51.0' N 8° 47.7' W	L.Fl.W. period 6s fl. 1.5s, ec. 4.5s	66 20	13	Red column, white bands; 16.	
3588 <i>D 2160.6</i>	Porto Covo.	37° 50.9' N 9° 47.3' W	Fl.R. period 4s fl. 1s, ec. 3s	105 32	5	Round column, red and white stripes; 13.	
3592 <i>D 2161</i>	Portinho do Canal Range, front.	37° 44.1' N 8° 48.0' W	Fl.R. period 3s fl. 1s, ec. 2s	16 5	7	Column, red and white stripes.	
3596 <i>D 2161.1</i>	-Rear, 075° from front.	37° 44.2' N 8° 47.9' W	Oc.R. period 3s lt. 2s, ec. 1s	20 6	7	Column, red and white stripes.	
3600 <i>D 2162</i>	Milfontes, Rio Mira, mouth.	37° 43.1' N 8° 47.3' W	Fl.W. period 3s fl. 1s, ec. 2s	75 23	10	Tower on dwelling; 16.	
3604 <i>D 2164</i>	Cabo Sardo.	37° 35.8' N 8° 48.9' W	Fl.(3)W. period 15s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 8.8s	223 68	23	White square masonry tower on dwellings; 55.	Reserve light range 21M.
3608 <i>D 2165</i>	Porto das Barcas Entrance Range, front.	37° 33.3' N 9° 47.5' W	Fl.G. period 3s fl. 1s, ec. 2s	131 40	7	Column, red and white bands; 26.	
3612 <i>D 2165.1</i>	-Rear, about 157 meters E. from front.	37° 33.0' N 8° 47.3' W	Oc.G. period 3s lt. 2s, ec. 1s	174 53	7	Column, red and white bands; 46.	
3616 <i>D 2168</i>	Cabo De Sao Vicente.	37° 01.3' N 8° 59.7' W	Fl.W. period 5s fl. 0.1s, ec. 4.9s	282 86	32	White round masonry tower; 92.	Aeromarine light. Nautophone: 2 bl. ev. 30s (bl. 5s, si. 5s, bl. 5s, si. 15s).
3620 <i>D 2170</i>	Ponta de Sagres.	36° 59.6' N 8° 56.9' W	Iso.R. period 2s	174 53	11	White square masonry tower on dwelling; 43.	
3622 <i>D 2171</i>	Baleeira, on mole.	37° 00.6' N 8° 55.4' W	Fl.W.R. period 4s fl. 1.1s, ec. 3s	43 13	W. 14 R. 11	White rectangular tower; 20.	R. 355°-254°, W.-355°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
PORTUGAL							
3623 D 2172.3	Posto.	37° 04.2' N 8° 46.4' W	L.FI.W. period 5s fl. 2s, ec. 3s	52 16	11	On building.	
BAIA DE LAGOS:							
3624 D 2174	-Ponte da Piedade.	37° 04.7' N 8° 40.1' W	FI.W. period 7s fl. 1s, ec. 6s	167 51	20	Yellow square masonry tower on dwelling; 16.	
3628 D 2175	-Lagos, W. mole, head.	37° 05.8' N 8° 39.9' W	FI.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s		5	White rectangular tower, red bands; 23.	
3632 D 2176	--E. mole, head.	37° 05.8' N 8° 39.9' W	FI.(2)G. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s		5	White rectangular tower, green bands; 20.	
RIBEIRA DE ARADE (PORTIMAO):							
3644 D 2178	-Ponta do Altar , entrance, E. side.	37° 06.3' N 8° 31.1' W	L.FI.W. period 5s fl. 2s, ec. 3s	105 32	16	White tower and dwelling; 33.	Visible 290°-170°. Reserve light F.R. 6M.
3648 D 2179	-W. mole, extremity.	37° 06.4' N 8° 31.7' W	FI.R. period 5s fl. 1s, ec. 4s	33 10	7	White truncated tower, red bands; 23.	
3652 D 2179.2	-E. mole, extremity.	37° 06.4' N 8° 31.5' W	FI.G. period 5s fl. 1s, ec. 4s	33 10	7	White truncated tower, two green bands; 23.	
3656 D 2181	-Ferragudo, entrance Range, front.	37° 07.4' N 8° 31.3' W	Iso.R. period 6s	62 19	6	White column, red bands; 13.	
3660 D 2181.1	--Rear, 54 meters 019°06' from front.	37° 07.4' N 8° 31.3' W	Iso.R. period 6s	102 31	6	White column, red bands; 16.	
3684 D 2192	Alfanzina.	37° 05.1' N 8° 26.5' W	FI.(2)W. period 15s fl. 0.2s, ec. 3.6s fl. 0.2s, ec. 11s	207 63	29	White square masonry tower, dwelling; 75.	
3688 D 2194	Armacao de Pera, fort, S. corner.	37° 06.0' N 8° 21.6' W	Oc.R. period 5s lt. 4s, ec. 1s	82 25	6	Building.	
3692 D 2196	Albufeira, near Ponta da Baleeira.	37° 04.7' N 8° 15.7' W	Oc.W. period 6s lt. 4s, ec. 2s	102 31	11	White column, red bands; 20.	
3700 D 2197	Olhos de Agua.	37° 05.3' N 8° 11.3' W	L.FI.W. period 5s fl. 2s, ec. 3s	98 30	7	Column, red and white bands.	
3708 D 2197.3	Marina de Vilamoura, W. mole.	37° 04.1' N 8° 07.4' W	FI.R. period 4s fl. 1s, ec. 3s	46 14	5	White tower; red bands; 23.	
3712 D 2197.4	-E. mole.	37° 04.1' N 8° 07.3' W	FI.G. period 4s fl. 1s, ec. 3s	46 14	5	Truncated tower, green and white bands.	
3716 D 2197.2	Vilamoura.	37° 04.4' N 8° 07.3' W	FI.W. period 5s fl. 0.2s, ec. 4.8s	59 18	19	Metal tower; 50.	
3724 D 2206	Cabo de Santa Maria.	36° 58.4' N 7° 51.8' W	FI.(4)W. period 17s fl. 0.2s, ec. 2.6s fl. 0.2s, ec. 2.6s fl. 0.2s, ec. 2.6s fl. 0.2s, ec. 8.4s	164 50	25	White round tower, dwelling attached; 151.	Reserve light range 19M. Aeromarine light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
PORTUGAL							
CANAL DE OLHAO:							
-Barra Faro-Olhao:							
3728 D 2208	--W. mole, head.	36° 57.7' N 7° 52.2' W	Fl.R. period 4s fl. 1s, ec. 3s	32 10	6	White truncated tower; 16.	
3732 D 2209	--E. mole, head.	36° 57.7' N 7° 52.1' W	Fl.G. period 4s fl. 1s, ec. 3s	32 10	6	White round tower, green bands.	
3736 D 2206.1	--Barra Nova, E. mole.	36° 58.1' N 7° 51.9' W	Oc.W. period 4s lt. 3s, ec. 1s	29 9	6	Round concrete column, red and white bands.	In line with Cabo de Santa Maria (021°) gives 2nd range.
-Ilha da Barreta:							
3740 D 2221	--Golada Range, front.	36° 58.1' N 7° 52.2' W	L.Fl.R. period 5s fl. 2s, ec. 3s	23 7	6	White round tower, red bands; 20.	
3744 D 2221.1	---Rear, 447 meters 219°30' from front.	36° 57.9' N 7° 52.7' W	Oc.R. period 5s lt. 4s, ec. 1s	30 9	7	White round tower, red bands; 23.	
3748 D 2211	-Ilha da Culatra, breakwater.	36° 58.4' N 7° 52.0' W	Oc.G. period 5s lt. 4s, ec. 1s	23 7	3	Metal column on JAPSA building; 20.	
3752 D 2212	-Mar Santo.	36° 58.4' N 7° 52.0' W	Oc.R. period 5s lt. 4s, ec. 1s	33 10	5	Round tower, white and red bands.	In line 098° with Cabu de Santa Moria light.
3756 D 2222	-Boneco.	36° 58.6' N 7° 51.9' W	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	6	Green metal column; 16.	
3760 D 2218	--Ponte de Carvao, head.	36° 59.2' N 7° 51.2' W	Fl.W. period 5.5s fl. 0.5s, ec. 5s	23 7	6	Green column; 13.	
3761 D 2219	-Ponte-Cais.	36° 59.7' N 7° 50.6' W	Oc.G. period 4s lt. 3s, ec. 1s	23 7	5	Green metal column.	
3764 D 2225.3	-W. mole.	37° 01.3' N 7° 50.0' W	Fl.R. period 6s fl. 1s, ec. 5s		6	Post; 16.	
3772 D 2230.1	-Igreja.	37° 03.3' N 7° 44.8' W	Oc.R. period 3s lt. 2.5s, ec. 0.5s	102 31	5	Platform of bell tower; 56.	
3778 D 2232.8	Barra.	37° 03.5' N 7° 43.0' W	Fl.W. period 8s fl. 1s, ec. 7s	23 7	7	Column, red and white bands; 16.	
TAVIRA:							
3780 D 2234	-Armacao Range, front.	37° 07.1' N 7° 37.3' W	Fl.R. period 3s fl. 1s, ec. 2s	33 10	4	White post, red bands; 16.	
3784 D 2234.1	--Rear, 132 meters 325° 54' from front.	37° 07.2' N 7° 37.3' W	Iso.R. period 6s	36 11	5	White post, red bands; 16.	
3796 D 2235	-W. mole, head.	37° 06.8' N 7° 36.8' W	Fl.R. period 2.5s fl. 0.5s, ec. 2s	26 8	7	Truncated column, red and white bands; 13.	
3797 D 2235.2	-E. mole, head.	37° 06.9' N 7° 36.9' W	Fl.G. period 2.5s fl. 0.5s, ec. 2s	20 6	6	Truncated column, green and white bands; 13.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
PORTUGAL							
RIO GUADIANA:							
3800 D 2249	-Mole, W. head.	37° 09.5' N 7° 24.0' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	26 8	4	Metal column, red and white stripes; 26.	
3808	-Buoy "1"	37° 09.1' N 7° 23.4' W	Fl.(3)G. period 6s			STARBOARD (A) G, conical.	
3816 D 2246	-Vila Real de Santo Antonio.	37° 11.2' N 7° 24.9' W	Fl.W. period 6.5s fl. 0.2s, ec. 6.3s	171 52	26	White round tower, narrow black bands, two-story dwelling; 151.	Reserve light range 22M.
SPAIN-SOUTHWEST COAST							
RIO GUADIANA:							
3820 D 2305	-Baluarte.	37° 12.8' N 7° 24.6' W	Fl.G. period 3s fl. 0.5s, ec. 2.5s	10 3	3	Black and green metal framework tower, concrete base; 13.	
3828 D 2312	-Rompido de Cartaya.	37° 12.9' N 7° 07.6' W	Fl.(2)W. period 10s fl. 0.5s, ec. 2.8s fl. 0.5s, ec. 6.2s	140 43	24	Round tower, white and black bands; 96.	
3836 D 2319	Huelva Terminal Buoy.	37° 04.8' N 6° 55.6' W	Fl.(4)Y. period 20s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 10.5s			SPECIAL Y, superbuoy, topmark.	Siren: Mo.(E) ev. 30s.
RIO ODIEL (HUELVA):							
3840	-Approach buoy.	37° 05.6' N 6° 49.0' W	Q.(9)W. period 15s			W. CARDINAL YBY, topmark.	
3844 D 2320	-Punta del Picacho.	37° 08.2' N 6° 49.5' W	Fl.(2+4)W. period 30s fl. 0.2s, ec. 2.9s fl. 0.2s, ec. 8.6s fl. 0.2s, ec. 2.9s fl. 0.2s, ec. 2.9s fl. 0.2s, ec. 2.9s fl. 0.2s, ec. 8.6s	171 52	25	White tower on red house; 82.	Reserve light range 10M. F.R. lights on 3 radio masts 4.8M ESE.
3845 D 2324.05	-Padre Santo, 339°11'.	37° 08.6' N 6° 50.7' W	Dir.W.R.G.	200 61	8	White tower; 49.	Fl.G. 337°30'-338°, F.G.- 338°36', Oc.G.-339°06', F.W.-339°18', Oc.R.- 339°48', F.R.-340°24', Fl.R.-340°54'.
3846 D 2328.2	-Capesa, SW.	37° 09.6' N 6° 53.7' W	Fl.(2)G. period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	16 5	3	Green post; 7.	
3846.1 D 2328.3	--NW.	37° 09.6' N 6° 53.8' W	Fl.(2)G. period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	16 5	3	Green post; 7.	
3861 D 2321	-Breakwater, S. head.	37° 06.5' N 6° 49.9' W	Fl.(3+1)W.R. period 20s fl. 0.8s, ec. 2.2s fl. 0.8s, ec. 2.2s fl. 0.8s, ec. 6.2s fl. 0.8s, ec. 6.2s	102 31	W. 12 R. 9	White round tower, red bands; 89.	R. 100°-125°, obsec.-165°, W.- 100°.
-RACON			K(- • -) period 72s				

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-SOUTHWEST COAST							
3862 D 2315	-Punta Umbria, breakwater, head.	37° 09.8' N 6° 56.8' W	V.Q.(6)+L.FI.W. period 10s	33 10	5	S. CARDINAL YB, tower; 13.	
3863 D 2345	-La Higuera.	37° 00.6' N 6° 34.1' W	Fl.(3)W. period 20s fl. 0.5s, ec. 2.8s fl. 0.5s, ec. 2.8s fl. 0.5s, ec. 12.9s	154 47	20	White pyramidal structure, red band; 79.	
RIO GUADALQUIVIR (SANLUCAR DE BARRAMEDA):							
3864 D 2348.5	-New Canal Range, front.	36° 48.0' N 6° 20.0' W	Q.W.	95 29	10	Red and white checkered structure; 72.	
3868 D 2348.51	--Rear, 1081 meters 068°56' from front.	36° 48.0' N 6° 19.6' W	Iso.W. period 4s	203 62	10	Red and white checkered structure; 98.	
3872 D 2349	-Bonanza "1", breakwater, S. head.	36° 48.2' N 6° 20.2' W	Fl.(2+1)G. period 21s	23 7	5	Green column, red band; 6.	
3876 D 2349.1	--Breakwater "3", N. head.	36° 48.3' N 6° 20.3' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	23 7	5	Green column; 6.	
Lights in Rio Guadalquivir not in List of Lights.							
3878	-Buoy "1".	36° 45.8' N 6° 27.0' W	Fl.W. period 10s			SAFE WATER RW pillar, ball topmark.	
	-RACON		M(— —)		10		3 & 10 cm.
3880 D 2351	-Chipiona.	36° 44.3' N 6° 26.4' W	Fl.W. period 10s fl. 0.3s, ec. 9.7s	226 69	25	Yellow conical tower; 205.	
3882 D 2350.4	-Bajo Salmedina.	36° 44.3' N 6° 28.6' W	Q.(9)W. period 15s	33 10	5	W. CARDINAL YBY, round tower, topmark.	
3884 D 2352	--Breakwater, head.	36° 44.9' N 6° 25.8' W	Fl.(2)G. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	20 6	5	Green round tower; 16.	Fl.(3)G. 9s 4m 1M and Fl.(4)R. 11s 4m 3M lights mark entrance to marina.
ROTA:							
3900 D 2355	-Rota AVIATION LIGHT.	36° 38.2' N 6° 20.8' W	Al.FI.W.G. period 9s	262 80	17	Red and white checkered water tank; 162.	Tanks, control tower, radio masts marked by F.R. obstruction lights.
3908 D 2355.2	-Rota Faro.	36° 37.1' N 6° 21.4' W	Oc.W. period 4s	112 34	13	White round tower, red band; 92.	DGPS Station 1.3 miles WNW.
-Rota Fishing Harbor:							
3912 D 2355.4	--Mole, head.	36° 36.9' N 6° 21.0' W	Fl.(3)R. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	33 10	9	Red metal tower; 10.	
3914 D 2355.5	---Contradique.	36° 36.9' N 6° 21.1' W	F.G.			Green metal post.	
-Naval Base:							
3920 D 2359	--Entrance Range, front.	36° 37.6' N 6° 19.7' W	Q.W.	49 15	9	Orange steel frame tower, black diamond daymark, white background; 30.	Visible 335°30'-355°30'.
3924 D 2359.1	---Rear, about 285 meters 345°30' from front.	36° 37.8' N 6° 19.7' W	Oc.W. period 3s	89 27	11	Orange frame tower, black ball daymark; 50.	Visible 335°30'-355°30'.
3928 D 2357	--SW. breakwater.	36° 36.7' N 6° 19.5' W	Oc.(2)R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	56 17	4	Metal column; 13.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-SOUTHWEST COAST							
3932 <i>D 2368</i>	--SE. breakwater.	36° 36.9' N 6° 19.3' W	Q.(3)G. period 7s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 4.5s	45 14	6	Metal column; 13.	
CADIZ:							
3940 <i>D 2362</i>	-Castillo de San Sebastian.	36° 31.7' N 6° 19.0' W	Fl.(2)W. period 10s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 7.2s	128 39	25	Metal tower; 121.	Obscured over harbor by buildings. Unintensified 085°-121°. Nauphone: Mo.(N) ev. 20s (bl. 3s, si. 1s, bl. 1s, si. 15s).
3958 <i>D 2367.2</i>	-Mole levante, head.	36° 32.7' N 6° 16.8' W	Fl.(4)G. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 5s	39 12	3	STARBOARD (A) G, beacon.	
3960 <i>D 2367</i>	-Basin Malecon de San Felipe, head.	36° 32.6' N 6° 16.7' W	Fl.G. period 3s fl. 0.3s, ec. 2.7s	36 11	5	Green tower; 13.	
3968 <i>D 2368</i>	--Malecon de Levante, head.	36° 32.5' N 6° 16.5' W	Fl.R. period 2s fl. 0.3s, ec. 1.7s	39 12	5	Red tower; 16.	
-Malecon de San Felipe:							
3972 <i>D 2375.4</i>	---Gas-freeing tanker station, Dolphin No. "1".	36° 32.2' N 6° 16.2' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	16 5	3	Green post on dolphin; 7.	F.R. (occasional) on same structure.
3977 <i>D 2371.3</i>	--Muelle Reina Sofia.	36° 32.4' N 6° 17.1' W	Oc.G. period 2s lt. 1.5s, ec. 0.5s	20 6	2	Green post; 7.	
3980 <i>D 2373</i>	--Muelle Ciudad.	36° 32.0' N 6° 17.4' W	Oc.W. period 5s lt. 3s, ec. 2s	92 28	3	Tower, red triangular daymark; 82.	
3984 <i>D 2372</i>	--Muelle No. "2", N. corner.	36° 32.2' N 6° 17.0' W	Oc.R. period 3s lt. 2.5s, ec. 0.5s	20 6	2	White tower, red lantern; 13.	
3984.2 <i>D 2372.1</i>	---Tacon Ro Ro, NE.	36° 32.0' N 6° 17.2' W	Fl.(4)R. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 5s	23 7	1	Red structure; 7.	
3984.4 <i>D 2372.15</i>	----SW.	36° 32.0' N 6° 17.2' W	Fl.(4)R. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 5s	23 7	1	Red structure; 7.	
3988 <i>D 2373.4</i>	--Muelle No. "5".	36° 31.9' N 6° 16.1' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s		3	Green.	
3992 <i>D 2374</i>	--Puerto Pesquero Muelle de Poniente, head.	36° 32.0' N 6° 16.9' W	Fl.G. period 6s fl. 1s, ec. 5s	19 6	1	Green tower; 13.	
3996 <i>D 2375</i>	---Muelle de Levante, head.	36° 32.0' N 6° 16.9' W	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	19 6	1	Red tower; 13.	
3998 <i>D 2375.3</i>	-Cabezuela, mole, head.	36° 31.8' N 6° 15.4' W	Q.(2)R. period 8s	29 9	2	Red pyramidal tower; 10.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-SOUTHWEST COAST							
3999 <i>D 2375.35</i>	--N. wharf corner.	36° 31.5' N 6° 15.5' W	Fl.(2+1)R. period 15s fl. 1s, ec. 2s fl. 1s, ec. 4s fl. 1s, ec. 6s	23 7	1	Red tower, green stripe.	
4008 <i>D 2376</i>	-Base de Puntales, outer mole, head.	36° 30.5' N 6° 15.5' W	Fl.(4)G. period 10s	23 7	4	Green post; 10.	
-Zona Franca:							
4012 <i>D 2377</i>	--Entrance Range, front.	36° 30.2' N 6° 15.7' W	Iso.W. period 2s	39 12	3	Wooden post painted aluminum, black diamond daymark; 30.	Visible 180°-240°.
4016 <i>D 2377.1</i>	--Rear, 80 meters 210°30' from front.	36° 30.2' N 6° 15.7' W	Oc.W. period 4s lt. 3s, ec. 1s	49 15	3	Wooden post, painted aluminum, black diamond daymark; 39.	Visible 180°-240°.
4020 <i>D 2377.4</i>	--Muelle de Poniente, on NE. corner.	36° 30.4' N 6° 15.6' W	Fl.G. period 2s fl. 0.3s, ec. 1.7s	16 5	2	Green post; 7.	
4024 <i>D 2378</i>	--Muelle de Ribera.	36° 30.2' N 6° 15.6' W	Fl.R. period 3s fl. 0.3s, ec. 2.7s	16 5	3	Red post; 10.	
4032 <i>D 2381</i>	-La Clica, outer berth.	36° 30.0' N 6° 11.4' W	Fl.(3)G. period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s		2	White tower, green top; 10.	
4036 <i>D 2381.2</i>	--Inner berth.	36° 29.9' N 6° 11.3' W	Fl.(4)G. period 10s		2	White tower, green top; 10.	
4037 <i>D 2382</i>	-Puerto Deportivo Sherry, S. breakwater, head.	36° 34.7' N 6° 15.2' W	Oc.R. period 4s lt. 3s, ec. 1s		5	White truncated conical tower.	
4038 <i>D 2382.3</i>	--N. entrance.	36° 34.8' N 6° 15.1' W	Oc.G. period 5s lt. 3.8s, ec. 1.2s		3	Green tower.	Q.G. and Q.R. lights mark interior entrance.
4040 <i>D 2384</i>	-El Puerto de Santa Maria Range, front.	36° 35.9' N 6° 13.3' W	Q.G.	56 17	4	Aluminum framework tower; 46.	
4044 <i>D 2384.1</i>	--Rear, 253 meters 040° from front.	36° 36.0' N 6° 13.2' W	Iso.G. period 4s	69 21	4	Aluminum framework tower; 59	
4048 <i>D 2383</i>	--Escollera de Levante, E. head.	36° 34.7' N 6° 14.3' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	33 10	3	Green metal tower; 13.	
4049 <i>D 2385.2</i>	--W. head.	36° 34.4' N 6° 14.9' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	36 11	3	Red metal tower; 13.	
4050 <i>D 2383.4</i>	--E. breakwater.	36° 34.5' N 6° 14.3' W	Q.(9)W. period 15s		3	Black and yellow metal tower; 13.	
4052 <i>D 2385</i>	--Channel, W. side.	36° 35.2' N 6° 14.0' W	Q.R.	20 6	2	Red tower; 10.	
4056 <i>D 2385.6</i>	--Muelle Pesquero, SW. corner.	36° 35.6' N 6° 13.6' W	Oc.R. period 3s lt. 2s, ec. 1s	20 6	2	Red tower; 10.	
SANCTI PETRI:							
4060 <i>D 2388</i>	-Castillo de Sancti Petri, Islet, N. head.	36° 22.6' N 6° 13.2' W	Fl.W. period 3s fl. 0.7s, ec. 2.3s	66 20	9	Round tower; 52.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-SOUTHWEST COAST							
-Punta de las Piedras:							
4064 <i>D 2398</i>	--Coto San Jose Range, front.	36° 22.7' N 6° 12.2' W	Fl.W. period 5s fl. 0.5s, ec. 4.5s	46 14	6	Framework tower; 33.	
4068 <i>D 2398.1</i>	---Rear, 50 meters 050° from front.	36° 23.0' N 6° 12.1' W	Oc.(2)W. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	59 18	6	Framework tower; 20.	
4072 <i>D 2404</i>	--Bateria de Urrutia Range, front, about 1.5 km. 013° from Castillo de Sancti Petri light.	36° 23.4' N 6° 13.0' W	Fl.W. period 5s fl. 0.5s, ec. 4.5s	43 13	6	Framework tower; 20.	
4076 <i>D 2404.1</i>	---Rear, 60 meters 346°30' from front.	36° 23.5' N 6° 13.0' W	Oc.(2)W. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	75 23	6	Framework tower; 33.	
4077 <i>D 2405</i>	Cabo Roche.	36° 17.8' N 6° 08.3' W	Fl.(4)W. period 24s fl. 0.6s, ec. 3.4s fl. 0.6s, ec. 3.4s fl. 0.6s, ec. 3.4s fl. 0.6s, ec. 11s	148 45	20	Quadrangular tower; 66.	
4078 <i>D 2405.4</i>	Conil, breakwater, head.	36° 17.7' N 6° 08.1' W	Fl.R. period 6s fl. 1s, ec. 5s	36 11	5	Red post; 20.	
4080 <i>D 2406</i>	Cabo Trafalgar, AVIATION LIGHT.	36° 10.9' N 6° 02.1' W	Fl.(2+1)W. period 15s fl. 0.4s, ec. 1.8s fl. 0.4s, ec. 6s fl. 0.4s, ec. 6s	167 51	22	White round tower; 112.	
4084 <i>D 2408</i>	Barbate, about 1.3 km. NW. of mouth of Barbate Rio.	36° 11.3' N 5° 55.3' W	Fl.(2)W.R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	75 23	W. 10 R. 7	White round masonry tower, red bands; 59.	W. 281°-015°, R.-095°.
4088 <i>D 2409</i>	-Digue de Poniente, head.	36° 10.8' N 5° 55.5' W	Fl.R. period 4s fl. 0.5s, ec. 3.5s	39 12	5	Red truncated conical tower; 7.	
4092 <i>D 2410</i>	-Contradique, head.	36° 11.0' N 5° 55.8' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 8	2	Green conical tower; 7.	
4096 <i>D 2409.2</i>	-La Albufera Entrance Range, front.	36° 11.0' N 5° 55.9' W	Q.W.	10 3	1	White post; 10.	Visible 280°30'-310°30'.
4100 <i>D 2409.21</i>	---Rear, 385 meters 297°30' from front.	36° 11.0' N 5° 55.9' W	Q.W.	26 8	1	White post; red bands, 20.	Visible 280°30'-310°30'.
STRAIT OF GIBRALTAR-NORTH SIDE							
4110 <i>D 2411.5</i>	Punta de Gracia.	36° 05.4' N 5° 48.7' W	Oc.(2)W. period 5s	246 75	13	Stone tower; 66.	
4112 <i>D 2412</i>	Punta Paloma.	36° 04.0' N 5° 43.1' W	Oc.W.R. period 5s lt. 4s, ec. 1s	148 45	W. 10 R. 7	Two-story dwelling; 16.	W. 010°-340°, R.-010°.
4116 <i>D 2414</i>	Tarifa.	36° 00.1' N 5° 36.5' W	Fl.(3)W.R. period 10s	134 41	W. 26 R. 18	White tower; 107.	W. 113°-089°, R.-113°. Siren: 3 bl. ev. 60s (bl. 5s, si. 3s, bl. 5s, si. 3s, bl. 5s, si. 39s). DGPS Station.
	RACON		C(- • - •)		20		(3 & 10cm)
4118 <i>D 2415</i>	-Lado East.	36° 00.3' N 5° 36.3' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	39 12	3	White and red rectangular tower; 7.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
STRAIT OF GIBRALTAR-NORTH SIDE							
4120 <i>D 2418</i>	Puerto de Tarifa, No. "1" mole.	36° 00.6' N 5° 36.1' W	Fl.(2)R. period 7s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 5.5s	23 7	1	Red lantern on white hut; 13.	
4124 <i>D 2416</i>	-E. mole, head.	36° 00.5' N 5° 36.1' W	Fl.G. period 5s	36 11	5	Green truncated pyramidal support; 16.	Visible 249°-045°.
4128 <i>D 2420</i>	Punta Carnero.	36° 04.7' N 5° 25.5' W	Fl.(4)W.R. period 20s fl. 1.5s, ec. 2s fl. 1.5s, ec. 2s fl. 1.5s, ec. 2s fl. 1.5s, ec. 8s	138 42	W. 16 R. 13	Yellow round tower, green lantern, aluminum dome; 63.	R. 325°-018°, W.-325°. Siren: Mo.(K) ev. 30s (bl. 3s, si. 1s, bl. 1s, si. 1s, bl. 3s, si. 21s).
For lights on the south side of the Strait, see Ceuta, Morocco.							
ALGECIRAS							
4131 <i>D 2423</i>	-Darsena del Saladillo, S. breakwater, N. head.	36° 07.1' N 5° 26.1' W	Q.(3)R. period 9s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 6.5s	23 7	3	Red and white tower; 20.	
4132 <i>D 2423.2</i>	--N. breakwater, S. head.	36° 07.1' N 5° 26.2' W	Q.(4)G. period 11s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 7.5s	6 2	1	Green round tower; 3.	
4136 <i>D 2425</i>	-N. jetty, head.	36° 08.6' N 5° 25.8' W	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	36 11	8	Red round tower; 26.	Radar reflector.
4142 <i>D 2425.3</i>	-Naval mole, N. head.	36° 08.8' N 5° 26.1' W	Fl.(2)G. period 6s	13 4	3	Green and white round tower; 26.	
4143 <i>D 2425.4</i>	--SE. corner.	36° 08.1' N 5° 26.2' W	Q.(2)G. period 7s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 5.5s	23 7	3	Green and white column; 13.	
4145 <i>D 2425.66</i>	-Darsena Pesquera.	36° 08.2' N 5° 26.6' W	Fl.(2)G. period 8s	23 7	2	White and green round tower; 13.	
4147 <i>D 2425.72</i>	-Muelle de la Galera, pier No. "2".	36° 07.9' N 5° 26.2' W	Q.(2+1)G. period 10s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 4s fl. 0.5s, ec. 4s	16 5	2	Green post, red bands; 7.	
4149 <i>D 2425.7</i>	-Muelle de la Galerilla, pier No. "1".	36° 08.0' N 5° 26.2' W	Q.G.	16 5	2	Green post; 7.	
4151 <i>D 2425.74</i>	--Pier No. "3".	36° 07.9' N 5° 26.2' W	Q.G.	16 5	2	Green post; 7.	
4166 <i>D 2430</i>	-Acerinox, W. jetty, head.	36° 10.6' N 5° 25.3' W	F.R.	23 7	4	Red and white pyramidal tower; 10.	FR and FG lights mark pier 200m NE.
4167 <i>D 2430.2</i>	--E. jetty, head.	36° 10.5' N 5° 25.1' W	F.G.	26 8	4	White pyramidal tower; 10.	
4167.2 <i>D 2431</i>	Coal Terminal, W. head.	36° 10.4' N 5° 25.2' W	Fl.(2)G. period 10s	30 9	4	Green post; 16.	
4167.3 <i>D 2431.2</i>	-E. corner.	36° 10.5' N 5° 24.9' W	Fl.R. period 7s	30 9	2	Red post, white bands; 16.	
4168 <i>D 2432</i>	-Oil pipeline directional indicator.	36° 10.9' N 5° 24.5' W	2 Q.Y. (vert.)	49 15	3	SPECIAL Y, post, topmark.	1 meter apart.
4172	- "CEPSA" TERMINAL LANBY.	36° 09.9' N 5° 24.9' W	Fl.(3)Y. period 15s			SPECIAL Y, topmark.	Siren: Mo.(U) ev. 30s.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
STRAIT OF GIBALTAR-NORTH SIDE							
4176 D 2434	--At junction of T-head.	36° 10.6' N 5° 23.9' W	Q.(4)W. period 14s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 10.5s	39 12	10	White column; 30.	Visible 305°-105°. Two lighted ranges in line 083°30' shown from shore eastward to assist in docking.
4180 D 2434.4	--Extremity of W. arm.	36° 10.6' N 5° 24.1' W	Fl.G. period 3s	39 12	4	Green round tower; 30.	
4184 D 2434.2	--Extremity of E. arm.	36° 10.6' N 5° 23.6' W	Fl.(4)R. period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	39 12	4	Red column; 30.	
4204 D 2436.6	-Atragues de Aljibes, W. dolphin.	36° 10.6' N 5° 23.4' W	Fl.G. period 5s fl. 0.4s, ec. 4.6s	19 6	2	Metal column; 3.	
4208 D 2436.7	--E. dolphin.	36° 10.6' N 5° 23.1' W	Q.(2)R. period 8s fl. 0.4s, ec. 0.4s fl. 0.4s, ec. 6.8s	19 6	2	Metal column; 3.	
GIBALTAR (U.K.):							
4214 D 2437.2	-Muelle de San Felipe, spur.	36° 09.6' N 5° 21.7' W	Q.R.	23 7	2	White and red round tower; 16.	
4214.5 D 2436.75	-Muelle de Crinavis.	36° 10.2' N 5° 22.9' W	Q.(3)G. period 9s fl. 0.2s, ec. 0.8s fl. 0.2s, ec. 0.8s fl. 0.2s, ec. 6.8s	20 6	3	Green column; 10.	
4214.7 D 2436.78	--New esplanade, elbow.	36° 09.9' N 5° 22.4' W	Q.G.		3	Green post.	
4216 D 2436.8	-Mole de Abrigo de La Lines, head.	36° 09.5' N 5° 22.0' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 8	4	White and green round tower; 13.	
4220 D 2438	-Europa Point.	36° 06.7' N 5° 20.6' W	Iso.W. period 10s	161 49	19	White round tower, red band; 61.	Visible 197°-042°, 067°-125°. Horn: 1 bl. ev. 20s.
			Oc.R. period 10s lt. 5.8s, ec. 4.2s		15		Visible 042°-067°.
			F.R.	144 44	15		Visible 042°-067°.
4224 D 2442	-S. Mole, "A" head.	36° 08.1' N 5° 21.8' W	Fl.W. period 2s fl. 0.1s, ec. 1.9s	60 18	15	White round tower; 57.	Traffic signals. Horn: 1 bl. ev. 10s (bl. 2s, si. 8s).
4228 D 2445	-Detached mole, "B" head.	36° 08.2' N 5° 21.8' W	Q.R.	29 9	5	Square concrete tower on piles; 37.	
4232 D 2446	--"C" head.	36° 08.6' N 5° 22.0' W	Q.G.	33 10	5	Square concrete tower on piles; 37.	
4236 D 2448	-N. mole, "D" head.	36° 08.7' N 5° 21.9' W	Q.R.	60 18	5	Round tower; 57.	
4240 D 2449.2	--"E" head.	36° 09.0' N 5° 21.9' W	F.R.	92 28	5	Tower.	
4242 D 2451.5	-New camp jetty.	36° 08.4' N 5° 21.5' W	2 F.G. (vert.)			Mast.	
4244 D 2450.7	-Coaling Island.	36° 08.2' N 5° 21.4' W	2 F.R. (vert.)	16 5			
4246 D 2451	-Queensway quay entrance.	36° 08.0' N 5° 21.4' W	2 F.R. (vert.)				

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
STRAIT OF GIBALTAR-NORTH SIDE							
4248 <i>D 2451.2</i>	-Ordnance wharf.	36° 08.1' N 5° 21.4' W	2 F.G. (vert.)	16 5			
4256 <i>D 2456</i>	-AVIATION LIGHT.	36° 09.0' N 5° 20.0' W	Mo.(GB)R. period 10s	1329 405	30		

Section 4

Mediterranean Coast of Spain Including Balearic Islands

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-MEDITERRANEAN SEA							
4264 E 0008	Dique de Abrigo, entrance.	36° 10.7' N 5° 19.9' W	Fl.G. period 8s fl. 1s, ec. 7s	36 11	5	Green truncated tower.	
4266 E 0012	Punta Carbonera.	36° 14.7' N 5° 18.0' W	Oc.W. period 4s lt. 3s, ec. 1s	128 39	14	White tower; 46.	
4268 E 0018	La Duquesa, Marina de Manilva, E. dike, head.	36° 21.2' N 5° 13.7' W	Fl.G. period 7s	26 8	5	White truncated tower, green top; 9.	F.R. near fueling station.
4272 E 0018.3	-Dike, N. point.	36° 21.4' N 5° 13.6' W	Q.(3)W. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	22 7	5	Black truncated tower, yellow bands; 10.	
4276 E 0018.4	-Breakwater, head.	36° 21.2' N 5° 13.7' W	Fl.(2)R. period 7s	19 6	3	Red truncated tower; 13.	
4280 E 0020	Punta de la Doncella.	36° 25.1' N 5° 09.2' W	Fl.(1+2)W. period 15s fl. 0.4s, ec. 6s fl. 0.3s, ec. 2s fl. 0.3s, ec. 6s	105 32	18	Octagonal tower, white dwelling with red roof; 82.	
4282 E 0022	Estepona, Dique de Abrigo, extension, head.	36° 24.8' N 5° 09.4' W	Q.(6)+L.Fl.W. period 15s	26 8	5	S. CARDINAL YB, tower; 13.	
4284 E 0022.2	Estepona, Dique de Levante, 140 meters from head.	36° 24.8' N 5° 09.4' W	Fl.G. period 5s	30 9	5	Green metal mast; 13.	
All lights under Spanish control are lighted a quarter of an hour after sunset and extinguished a quarter of an hour before sunrise.							
4288 E 0024	-Dique de Poniente.	36° 24.9' N 5° 09.4' W	Fl.(2)R. period 7s	30 9	3	White truncated tower, red top; 13.	
4292 E 0031	-Dique de Benabola, elbow.	36° 29.1' N 4° 57.2' W	Fl.R. period 3s	23 7	4	Truncated masonry tower, red lantern; 13.	Siren: 1 bl. ev. 60s (bl. 5s, si. 55s).
4296 E 0032	-Dique de Levante, S. head.	36° 29.0' N 4° 57.3' W	Fl.G. period 4s fl. 1s, ec. 3s	42 13	8	Truncated masonry tower, green lantern; 30.	
4300 E 0032.2	--N. head.	36° 29.4' N 4° 56.9' W	Q.(6)+L.Fl.W. period 15s	33 10	4	Masonry tower, yellow lantern.	
4304 E 0056	Marbella.	36° 30.5' N 4° 53.3' W	Fl.(2)W. period 14.5s fl. 0.4s, ec. 3.2s fl. 0.4s, ec. 10.5s	115 35	22	White round tower; 95.	
4312 E 0057.6	Cabo Pino, marina.	36° 29.0' N 4° 44.4' W	Fl.(4)G. period 10s	23 7	4	White round tower; 13.	Q.(6)+L.Fl.W. 15s 3M on jetty.
4316 E 0057.8	-W. jetty, head.	36° 29.0' N 4° 44.6' W	Fl.(2)R. period 5s fl. 0.7s, ec. 0.7s fl. 0.7s, ec. 2.9s	23 7	4	White round tower; 13.	
4320 E 0058	Punta Calaburras AVIATION LIGHT.	36° 30.5' N 4° 38.3' W	Fl.W. period 5s fl. 0.2s, ec. 4.8s	151 46	18	White truncated conical tower; 83.	Period subject to variation.
PUERTO DE BENALMADENA:							
4324 E 0060.5	-S. breakwater, NE. head.	36° 35.9' N 4° 30.4' W	Q.(3)W. period 10s	30 9	4	E. CARDINAL Truncated masonry tower; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-MEDITERRANEAN SEA							
4328 <i>E 0060.4</i>	--SW. head.	36° 35.7' N 4° 30.7' W	Fl.G. period 5s fl. 1s, ec. 4s	30 9	10	White conical tower, green band; 16.	
4330 <i>E 0059.4</i>	-W. breakwater, E. head.	36° 32.5' N 4° 36.9' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	20 6	3	Green truncated pyramidal tower; 13.	
4332 <i>E 0060.6</i>	--SW. head.	36° 35.7' N 4° 30.6' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	13 4	4	White conical tower, red band; 7.	
4334 <i>E 0060.3</i>	-Laja Bermeja.	36° 35.6' N 4° 30.8' W	Q.(3)W. period 10s	23 7	5	E. CARDINAL BYB, tower, topmark; 13.	
4336 <i>E 0060.7</i>	-S. breakwater, N. end of T- head.	36° 35.6' N 4° 36.7' W	Fl.(3)G. period 10s	13 4	4	White conical tower, green band; 7.	
FUENGIROLA:							
4339 <i>E 0058.5</i>	-Pier, head.	36° 32.7' N 4° 36.7' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	16 5	5	Green pyramidal tower; 13.	
4340 <i>E 0059</i>	-Main Peak.	36° 33.0' N 4° 37.0' W	Fl.(4)R. period 12s	33 10	4	Red pyramidal tower; 12.	
4346 <i>E 0060.8</i>	Offshore terminal.	36° 39.8' N 4° 26.3' W	V.Q.(3)W. period 5s	62 19	3	E. CARDINAL BYB, tower, topmark; 39.	
MALAGA:							
4348 <i>E 0061</i>	-Power station wharf.	36° 41.0' N 4° 26.4' W	Q.(3)W. period 10s	36 11	3	E. CARDINAL BYB, tower, topmark; 26.	
4360 <i>E 0062</i>	-Malaga.	36° 42.9' N 4° 24.9' W	Fl.(3+1)W. period 20s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 7.3s fl. 0.2s, ec. 7.3s	125 38	25	White truncated conical tower on 2-story dwelling; 120.	Obscured 047°-243°.
4364 <i>E 0064</i>	--Head.	36° 42.4' N 4° 24.9' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	43 13	3	Green conical masonry tower; 13.	Visible 000°-200°.
4366 <i>E 0064.5</i>	-NE. breakwater.	36° 42.5' N 4° 24.7' W	Q.(3)W. period 10s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 7.5s	39 12	3	E. CARDINAL BYB, tower; 7.	
4366.5 <i>E 0065</i>	-SE. breakwater, head.	36° 41.9' N 4° 24.9' W	Fl. G. period 5s fl. 0.5s, ec. 4.5s	23 7	5	Green pyramidal tower; 13.	
4367 <i>E 0065.3</i>	-Rio Guadalmedina, submerged jetty, head.	36° 42.1' N 4° 25.7' W	Q.(6)W.+L.Fl. period 15s		3	S. CARDINAL YB, post, topmark; 13.	
4367.1 <i>E 0065.5</i>	-New contradike, SW. corner.	36° 42.1' N 4° 25.6' W	Q.(6)W.+L.Fl. period 15s		3	S. CARDINAL YB, tower, topmark; 13.	
4367.2 <i>E 0065.7</i>	--E. end.	36° 42.1' N 4° 25.1' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s		5	Red truncated round tower; 16.	
4368 <i>E 0066</i>	-W. breakwater, head.	36° 42.5' N 4° 25.0' W	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	42 13	4	Truncated conical tower, red top; 26.	Visible 347°-231°.
4370 <i>E 0069</i>	-Small craft harbor, N. dike, head.	36° 42.9' N 4° 24.9' W	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	19 6	2	Red metal column; 13.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-MEDITERRANEAN SEA							
4371 E 0069.2	--S. dike, head.	36° 42.9' N 4° 24.9' W	Fl.(3)G. period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4.5s	19 6	2	Green metal column; 13.	
4371.5 E 0069.4	-Muelle Canovas del Castillo.	36° 43.0' N 4° 24.1' W	Fl.(2+1)G. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 4.5s	20 6	2	Green tower, red band; 13.	
4372 E 0067.5	-Fishing Basin in outer habor, N. spur mole, head.	36° 42.7' N 4° 25.2' W	Q.G.	16 5	2	Conical stone tower; 13.	
4376 E 0067	--S. spur mole, head.	36° 42.6' N 4° 25.2' W	Q.R.	13 4	2	Conical stone tower; 10.	
4380 E 0068	-E. inner mole, head.	36° 42.8' N 4° 24.9' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	20 6	2	Conical masonry tower; 16.	
4384 E 0070	-W. transversal mole, SE. corner.	36° 42.8' N 4° 25.0' W	Fl.(2+1)R. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 4.5s	23 7	2	Conical masonry tower, red top; 16.	
4384.5 E 0070.2	-Romero Robledo, mole, NE. corner.	36° 42.8' N 4° 25.0' W	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	2	Pillar on hut, red top.	
4392 E 0072	Torre del Mar.	36° 44.1' N 4° 05.8' W	Fl.(1+2)W. period 10s fl. 1s, ec. 1s fl. 1s, ec. 3s fl. 1s, ec. 3s	98 30	13	White round tower; 92.	Storm signals.
4396 E 0073.2	-Outer breakwater, head.	36° 44.9' N 4° 04.1' W	Fl.G. period 5s	29 9	5	White conical tower, green top; 13.	
4402 E 0073.7	-Silt retention dike, head.	36° 44.8' N 4° 04.4' W	Fl.R. period 4s	26 8	3	Red truncated tower; 13.	
4404 E 0073.6	-Inner breakwater, head.	36° 44.9' N 4° 04.1' W	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	13 4	3	White round tower, red top; 7.	
4408 E 0074	Punta de Torrox.	36° 43.7' N 3° 57.4' W	Fl.(4)W. period 15s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 7.2s	95 29	20	Truncated tower, white building; 75.	
4409 E 0075	Puerto de la Mona.	36° 43.8' N 3° 43.5' W	Fl.R. period 5s fl. 1s, ec. 4s	43 13	4	Masonry tower, upper part red; 16.	
4410 E 0075.2	-Contradike.	36° 43.5' N 3° 43.5' W	Fl.(2)G. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	16 5	3	Masonry tower, upper part green; 10.	
4411 E 0074.8	Punta de la Mona.	36° 43.5' N 3° 43.8' W	Fl.W. period 5s fl. 1s, ec. 4s	459 140	15	Truncated conical masonry tower; 46.	
4411.5 E 0077	Motril, Dique de Poniente, head.	36° 43.2' N 3° 31.3' W	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	36 11	10	Red truncated conical tower; 16.	
4412 E 0079.2	New E. dike, head.	36° 43.3' N 3° 31.3' W	Fl.G. period 5s	19 6	2	Green truncated conical tower; 16.	Fl.R. 5s 2M marks W. dike.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-MEDITERRANEAN SEA							
4416 E 0079	-On angle.	36° 43.2' N 3° 31.2' W	Fl.(3)G. period 12s	19 6	5	Green truncated tower.	
4420 E 0080	Cabo Sacratif.	36° 41.7' N 3° 28.0' W	Fl.(2)W. period 10s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 7.3s	320 98	25	White conical tower, dwelling; 56.	
4422 E 0082	Punta del Melonar.	36° 43.2' N 3° 21.9' W	Fl.(3)W. period 13s	778 237	14	White truncated conical tower; 39.	
4424 E 0088	Adra.	36° 44.9' N 3° 01.8' W	Oc.(3)W. period 10.5s lt. 4.5s, ec. 1s lt. 1.5s, ec. 1s lt. 1.5s, ec. 1s	161 49	16	White tower, white and red bands; 85.	Reserve light range 9M.
4428 E 0088.4	-On W. mole, head.	36° 44.6' N 3° 01.1' W	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	27 8	4	Red concrete tower.	Fl.G. 5s shown on head of E. mole.
4430 E 0089.5	Punta de los Bunos.	36° 41.8' N 2° 50.8' W	Fl.(4)W. period 11s	72 22	11	White masonry tower.	
4432 E 0091	Alerimar, S. breakwater, head.	36° 41.8' N 2° 47.8' W	Fl.(4)G. period 21s	43 13	5	Green quadrangular tower.	
4437 E 0091.6	--Jetty No. "1", head.	36° 42.0' N 2° 47.9' W	Fl.(4)R. period 11s	10 3	3	Post on red truncated pyramidal tower; 10.	
4440 E 0090	Punta Sabinal.	36° 41.3' N 2° 42.0' W	Fl.(1+2)W. period 10s fl. 0.4s, ec. 3.9s fl. 0.4s, ec. 1s fl. 0.4s, ec. 3.9s	112 34	16	Truncated tower on white hut; 105.	
4444 E 0092	Roquetas de Mar, S. mole, head.	36° 45.4' N 2° 36.2' W	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	33 10	5	Red round concrete tower; 13.	
4448 E 0092.4	-Dique Norte, head.	36° 45.4' N 2° 36.2' W	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	16 5	3	Round tower on green square hut; 10.	
4452 E 0093	Almeria.	36° 49.8' N 2° 29.5' W	Fl.(2)W. period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 9.7s	253 77	19	Four-sided stone tower, black stripe; 23.	Reserve light range 11M.
4456 E 0095	-Puerto Pesquero, Dique Sur, head.	36° 50.0' N 2° 29.0' W	Fl.(4)G. period 10.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4s	33 10	3	Green truncated conical tower.	
4460 E 0094	--Dique del Oeste, head.	36° 49.9' N 2° 29.0' W	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	33 10	4	Red truncated conical tower.	
4462 E 0095.5	-Muelle de Armamento, S. head.	36° 50.0' N 2° 29.1' W	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	16 5	1	Red tower; 10.	
4464 E 0096	-W. breakwater, head.	36° 49.6' N 2° 27.8' W	Fl.R. period 5s fl. 1s, ec. 4s	62 19	7	White octagonal tower, red top and base; 39.	F.R. shown adjacent to pilot house and on pier. Once inside, range marks middle of port.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-MEDITERRANEAN SEA							
4468 <i>E 0099</i>	-Muelle de Poniente, SE. corner.	36° 49.9' N 2° 28.2' W	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	16 5	1	Red tower; 10.	
4469 <i>E 0100.4</i>	-RoRo Ramp.	36° 50.1' N 2° 28.2' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	20 6	1	Green square column; 10.	
4472 <i>E 0098</i>	-E. breakwater, head.	36° 49.9' N 2° 28.0' W	Fl.(2+1)G. period 14.5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s fl. 0.5s, ec. 9s	13 4	2	Green tower, red band; 3.	
4473 <i>E 0101.4</i>	-Dique de Abrigio, head.	36° 49.9' N 2° 27.8' W	Fl.(2)G. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	13 4	1	Green tower; 10.	Fl.Y. 5s 1M shown from base of dike.
4473.5 <i>E 0101.6</i>	--Contradique, head.	36° 49.9' N 2° 27.8' W	Fl.(2)R. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	13 4	1	Red tower; 10.	
4474 <i>E 0101</i>	-Ore Wharf No. "1", head.	36° 49.9' N 2° 27.9' W	Fl.R. period 4s fl. 1s, ec. 3s		1	Red wall.	
4476 <i>E 0102</i>	-Ore Wharf No. "2", head.	36° 49.9' N 2° 27.5' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	25 8	4	Green metal support; 10.	
4484 <i>E 0103</i>	-Power station wharf.	36° 49.2' N 2° 26.6' W	Q.(9)W. period 15s	35 11	5	W. CARDINAL YBY, tower, topmark; 30.	
4488	-Punta del Rio Buoy.	36° 48.4' N 2° 25.8' W	Q.(6)+L.Fl.W. period 15s			S. CARDINAL YB	
4492 <i>E 0106</i>	Cabo de Gata.	36° 43.4' N 2° 11.5' W	Fl.W.R. period 4s fl. 0.2s, ec. 3.8s	180 55	W. 24 R. 20	White truncated tower, gray lantern; 62.	R. 316°-356°, W.-316°. Horn: Mo.(G) ev. 40s (bl. 4.5s, si. 2s, bl. 4.5s, si. 2s, bl. 1.5s, si. 25.5s).
PUERTO DE SAN JOSE:							
4494 <i>E 0107</i>	-S. dike, head.	36° 45.8' N 2° 06.1' W	Fl.R. period 6s fl. 0.5s, ec. 5.5s	23 7	3	PORT (A) R, tower, topmark.	
4494.2 <i>E 0107.3</i>	-E. dike, head.	36° 45.8' N 2° 06.1' W	Fl.G. period 7s fl. 1s, ec. 6s	26 8	4	STARBOARD (A) G, tower, topmark.	
4494.4 <i>E 0107.2</i>	--Jetty, head.	36° 45.8' N 2° 06.2' W	Fl.(3)W. period 14s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 7s	13 4	2	White masonry tower.	
4495 <i>E 0107.7</i>	Punta de la Polacra.	36° 50.6' N 2° 00.1' W	Fl.(3)W. period 14s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 7.5s	922 281	14	Masonry tower; 45.	
4496 <i>E 0108</i>	Mesa Roldan.	36° 56.6' N 1° 54.3' W	Fl.(4)W. period 20s fl. 0.3s, ec. 3s fl. 0.3s, ec. 3s fl. 0.3s, ec. 3s fl. 0.3s, ec. 9.8s	728 222	23	White octagonal tower; 59.	
4500 <i>E 0109</i>	Puerto de Carboneras, Playa de la Torre Vieja, S. breakwater, head.	36° 57.9' N 1° 53.6' W	Fl.(2)G. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	39 12	5	Green metal tower; 10.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-MEDITERRANEAN SEA							
4504 <i>E 0109.2</i>	--S. breakwater, elbow.	36° 58.2' N 1° 53.5' W	Q.(3)W. period 10s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 7.5s	39 12	3	E. CARDINAL BYB, tower, topmark; 10.	
4506 <i>E 0109.4</i>	-N. breakwater, head.	36° 58.4' N 1° 53.7' W	Fl.G. period 10s fl. 1s, ec. 9s	46 14	5	Green metal post; 13.	
4508 <i>E 0109.3</i>	--W. jetty.	36° 57.8' N 1° 53.7' W	Fl.(2)R. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	23 7	3	Red round tower; 10.	
4509 <i>E 0109.5</i>	--Auxiliary dike, N. head.	36° 58.1' N 1° 53.9' W	Fl.(2)R. period 9s fl. 0.5s, ec. 1s fl. 0.5s, ec. 7s	33 10	1	Red metal framework tower; 10.	
4510 <i>E 0109.6</i>	-Puerto Pesquero.	36° 59.4' N 1° 53.8' W	Fl.(3)G. period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	33 10	5	Green round tower; 20.	Fl.R. 4s marks breakwater close N.
4511 <i>E 0109.7</i>	--W. jetty.	36° 59.4' N 1° 53.9' W	Fl.(3)R. period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	26 8	3	Red round tower; 20.	
4512 <i>E 0110</i>	Garrucha.	37° 10.5' N 1° 49.4' W	Oc.(4)W. period 13s lt. 4.5s, ec. 1s lt. 1.5s, ec. 1s lt. 1.5s, ec. 1s lt. 1.5s, ec. 1s	62 19	13	White tower on house; 33.	
4516 <i>E 0111</i>	-Dique de Levante.	37° 10.8' N 1° 48.9' W	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	43 13	5	Green round post; 36.	E. cardinal beacon Q.(3)W. 10s 4m 4M marks submerged groin 300 meters WSW.
4520 <i>E 0112</i>	-Dique de Poniente, 201 meters 336° from Dique de Lavante.	37° 11.0' N 1° 49.0' W	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	21 6	3	Red truncated tower.	
4522 <i>E 0113</i>	Esperanza Cove.	37° 15.1' N 1° 46.0' W	Fl.(2)G. period 6s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 4.5s	26 8	5	Green truncated tower.	
4524 <i>E 0114</i>	Aguilas, on Punta Negra, W. of the port.	37° 24.2' N 1° 34.6' W	Fl.(2)W. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	99 30	13	Tower, white and black bands, aluminum lantern; 76.	
4528 <i>E 0116</i>	-Near mole, head.	37° 24.3' N 1° 34.4' W	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	30 9	3	Red metal post; 16.	
4532 <i>E 0117.5</i>	-Islote de la Aguilica.	37° 24.2' N 1° 33.9' W	Fl.G. period 3s fl. 0.3s, ec. 2.7s	62 19	3	White quadrangular tower.	
4536 <i>E 0120</i>	Mazarron.	37° 33.7' N 1° 15.2' W	Oc.(1+2)W. period 13.5s lt. 1.5s, ec. 1s lt. 4.5s, ec. 1s lt. 4.5s, ec. 1s	213 65	15	White tower, black bands; 36.	Reserve light range 8M.
4540 <i>E 0120.5</i>	-Breakwater, head.	37° 33.9' N 1° 15.3' W	Fl.(4)R. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	30 9	5	Red post; 10.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-MEDITERRANEAN SEA							
4541 <i>E 0120.7</i>	-La Galerica Island.	37° 33.9' N 1° 15.3' W	Fl.(4)G. period 12s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	30 9	3	Metal framework tower, green top; 23.	
4548 <i>E 0124</i>	Cabo Tinoso.	37° 32.2' N 1° 06.4' W	Fl.(1+3)W. period 20s fl. 0.2s, ec. 6.4s fl. 0.2s, ec. 3.2s fl. 0.2s, ec. 3.2s fl. 0.2s, ec. 6.4s	479 146	24	White tower and dwelling; 33.	
ALGAMECA GRANDE:							
4552 <i>E 0125</i>	-Breakwater, head.	37° 35.1' N 1° 00.3' W	Fl.(4)R. period 12s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 7s	33 10	7	White and yellow truncated tower; 16.	
4556 <i>E 0125.3</i>	-On point, about 201 meters NE. of breakwater.	37° 35.2' N 1° 00.2' W	Fl.(3)G. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	26 8	3	White and yellow truncated tower; 10.	
4560 <i>E 0125.6</i>	-Mole, about 284 meters NW. of breakwater.	37° 35.2' N 1° 00.4' W	F.G.	23 7	2	Gray iron column; 15.	
CARTAGENA:							
4564 <i>E 0126</i>	-Islote Escombrera.	37° 33.6' N 0° 58.1' W	Fl.W. period 5s fl. 0.2s, ec. 4.8s	213 65	17	White round tower, dwelling, aluminum cupola; 26.	
-Puerto de Escombreras:							
4568 <i>E 0126.2</i>	--Bastarreche, mole, head.	37° 34.2' N 0° 58.0' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	33 10	5	Green and white truncated pyramidal tower; 23.	Visible 075°-319°. Radar reflector.
4569 <i>E 0126.4</i>	--Pantalan Metaneros, E end.	37° 34.4' N 0° 57.8' W	Fl.(3)R. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	26 8	1	Red post; 3.	
4576.5 <i>E 0126.5</i>	--Muelle Pantalou, on dolphin.	37° 34.1' N 0° 57.6' W	Fl.(2+1)R. period 14.5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s fl. 0.5s, ec. 9s	23 7	3	Red column, green band; 13.	
4576.75 <i>E 0126.65</i>	--Punta de los Parales, SW. head.	37° 34.0' N 0° 57.2' W	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	1	Green column; 13.	
4577 <i>E 0126.7</i>	--Muelle Principe Felipe.	37° 34.2' N 0° 57.5' W	Fl.(4)R. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	23 7	1	Red post; 13.	
4577.2 <i>E 0126.64</i>	--Nuevo Muelle de Isaac Peral, SE. corner.	37° 34.1' N 0° 57.1' W	Fl.R. period 3s fl. 0.5s, ec. 2.5s	23 7	1	Red column; 13.	
4577.5 <i>E 0126.75</i>	---On dolphin.	37° 34.3' N 0° 57.6' W	Fl.(2+1)G. period 16s fl. 1s, ec. 1s fl. 1s, ec. 3s fl. 1s, ec. 9s	23 7	1	Green column, red bands; 13.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-MEDITERRANEAN SEA							
4588 <i>E 0128</i>	-Dique de Navidad (Oestre), head.	37° 35.1' N 0° 59.1' W	Fl.(2)R. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	49 15	10	White tower, red top; 36.	
4590 <i>E 0130.3</i>	-Espalmador, floating breakwater, head.	37° 35.3' N 0° 59.3' W	Q.R.		1	Red column.	
4592 <i>E 0130</i>	-Dique de la Curra (Este).	37° 35.4' N 0° 58.9' W	Fl.(3)G. period 14s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 7.5s	45 14	5	White round masonry tower, green cupola; 36.	
4593 <i>E 0130.5</i>	-Muelle del Carbon.	37° 35.4' N 0° 59.2' W	Fl.(2+1)R. period 14.5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s fl. 0.5s, ec. 9s	26 8	3	Red post, green band; 16.	
4594 <i>E 0131</i>	-Yacht club, W. end.	37° 35.8' N 0° 59.2' W	Oc.G. period 3s	16 5	1	Green column; 16.	
4594.2 <i>E 0131.2</i>	-Marina, outer breakwater.	37° 35.8' N 0° 59.1' W	Q.G.	16 5	1	Green triangular tower; 13.	
4594.4 <i>E 0131.3</i>	--SE. corner.	37° 35.7' N 0° 58.8' W	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	10 3	1	Red post.	
4595 <i>E 0132</i>	-Dique-muelle de Santiago, head.	37° 35.9' N 0° 58.4' W	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	16 5	1	Red column; 13.	
4595.5 <i>E 0132.2</i>	-Muelle de talleres, NW. corner.	37° 35.9' N 0° 58.4' W	Fl.G. period 3s fl. 0.5s, ec. 2.5s	16 5	1	Green column; 10.	
4595.75 <i>E 0132.4</i>	-Dique de Alba.	37° 35.8' N 0° 58.5' W	Fl.(2+1)G. period 16s fl. 1s, ec. 1s fl. 1s, ec. 3s fl. 1s, ec. 9s	16 5	1	Green column, red band; 10.	
4596 <i>E 0134</i>	Puerto de Portman, Punta de la Chapa.	37° 34.8' N 0° 50.5' W	Oc.W. period 3.5s lt. 2.5s, ec. 1s	161 49	13	White tower, dwelling; 26.	Visible over an arc of 270°.
4600 <i>E 0136.8</i>	Cabo de Palos.	37° 38.2' N 0° 41.3' W	Fl.(2)W. period 10s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 7.2s	265 81	23	Round tower on building; 167.	Siren: Mo.(P) ev. 40s.
RACON		M(— —)			20		
PUERTO DE CABO DE PALOS:							
4604 <i>E 0137</i>	-Cala Auellan, mole.	37° 37.8' N 0° 42.0' W	Fl.(2)G. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	20 6	5	Green metal post; 10.	Visible 331°-210°.
4608 <i>E 0137.3</i>	-Dique de Abrigo, off head.	37° 37.9' N 0° 41.9' W	Fl.(2)R. period 12s fl. 1.5s, ec. 2s fl. 1.5s, ec. 7s	16 5	3	Red post, white bands; 10.	
4616 <i>E 0138</i>	Isla Hormiga.	37° 39.4' N 0° 38.9' W	Fl.(3)W. period 14s fl. 0.8s, ec. 2.2s fl. 0.8s, ec. 2.2s fl. 0.8s, ec. 7.2s	79 24	8	Gray tower, dwelling; 39.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-MEDITERRANEAN SEA							
4624 E 0140	El Estacio.	37° 44.5' N 0° 43.4' W	Fl.(4)W. period 20s fl. 1.2s, ec. 2.4s fl. 1.2s, ec. 2.4s fl. 1.2s, ec. 2.4s fl. 1.2s, ec. 8s	105 32	14	White round tower, black bands; 95.	Fl.W. 2.5s light shown SSE.
4628 E 0139	Isla Grosa, peak.	37° 43.7' N 0° 42.4' W	Fl.W. period 3s fl. 0.5s, ec. 2.5s	318 97	3	White round tower; 7.	
4632 E 0141	San Javier AVIATION LIGHT.	37° 47.3' N 0° 48.1' W	Fl.W. period 6s			Control tower.	Q.R. and Q.G. lights shown from moleheads. Occasional.
4636 E 0141.5	San Pedro del Pinatar, N. dique, head.	37° 49.3' N 0° 45.1' W	Fl.(4)G. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	43 13	4	Green post; 10.	Fl.(4)R. 12s 6m 3M marks head of S. dique.
4640 E 0146	Torreveja, E. breakwater, head.	37° 57.9' N 0° 41.2' W	Fl.G. period 4s fl. 0.5s, ec. 3.5s	49 15	7	Octagonal concrete tower; 33.	
4644 E 0146.2	-W. breakwater, about 229 meters NW. of Torreveja, head.	37° 57.9' N 0° 41.3' W	Fl.(3)R. period 11.5s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6s	35 11	2	Octagonal masonry tower; 21.	
4645 E 0146.4	-Fishing Port, breakwater, head.	37° 58.4' N 0° 40.9' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	13 4	2	Green post; 10.	
4646 E 0146.6	-Yacht Club jetty, E. head.	37° 58.5' N 0° 40.9' W	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	13 4	2	Red post; 10.	
4648 E 0147	Guardamar.	38° 04.3' N 0° 39.8' W	Oc.R. period 1.5s	1453 443	15	Radio tower, red and white bands.	On the same tower 7 groups of F.R. horizontal lights, spaced 45 meters apart from top, are shown.
4650 E 0147.5	Rio Segura, directional dam, S. end.	38° 06.7' N 0° 38.3' W	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 8	5	Red octagonal tower; 16.	Fl.(3)G. 148 meters NW.
4652 E 0148	Isla Tabarca (Plana).	38° 09.7' N 0° 28.2' W	Oc.(2)W. period 10s lt. 2s, ec. 2s lt. 4s, ec. 2s	95 29	15	White round tower; 46.	
4656 E 0149	-Breakwater, NE. side of island, head.	38° 09.9' N 0° 28.7' W	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	33 10	3	Red tower; 13.	
4664 E 0152	Cabo Santa Pola.	38° 12.0' N 0° 30.8' W	F.Fl.(1+2)W. period 20s fl. 0.2s, ec. 2.6s fl. 0.2s, ec. 8.4s fl. 0.2s, ec. 8.4s	498 152	Fl 16 F. 11	White square tower; 49.	Visible over an arc of 270°.
4668 E 0154	-Muelle de Santa Pola.	38° 11.1' N 0° 33.8' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	30 9	4	White and green tower; 16.	
4672 E 0155	-Contradique, extremity.	38° 11.1' N 0° 33.7' W	Q.(2)R. period 5.3s	19 6	3	Octagonal tower, red bands; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-MEDITERRANEAN SEA							
ALICANTE:							
4676 E 0157	-Alicante AVIATION LIGHT.	38° 17.3' N 0° 34.0' W	Al.FI.W.G. period 4.3s	193 59		Metal tower.	
4680 E 0158	-Outer breakwater, head.	38° 19.6' N 0° 29.4' W	Fl.G. period 5s fl. 1.5s, ec. 3.5s	46 14	10	Green metal tower, and cupola; 30.	
4682.5 E 0158.6	--NE. corner.	38° 19.8' N 0° 29.5' W	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	3	Red round tower on white base; 20.	
4684 E 0161	-E. mole, head.	38° 20.2' N 0° 28.9' W	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	3	Green round tower on white base; 20.	
4688 E 0162	-SE. corner of W. mole.	38° 20.3' N 0° 28.9' W	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 8	3	Red and white round column; 20.	
4692 E 0159	-Fishing Harbor, mole, elbow.	38° 19.8' N 0° 29.4' W	Fl.(2+1)R. period 21s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 13.5s	26 8	5	Red round tower, green band; 20.	
4696 E 0159.3	--Muelle II, mole, head.	38° 20.0' N 0° 29.2' W	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 8	3	Red round tower on white base; 20.	
4700 E 0160	--Muelle A, mole, head.	38° 20.0' N 0° 29.1' W	Fl.(2+1)R. period 21s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 13.5s	26 8	3	Red round tower; green band; 20.	
4704 E 0166	Cabo de las Huertas.	38° 21.2' N 0° 24.2' W	Fl.(5)W. period 19s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	125 38	14	White round tower; 30.	
VILLAJOSYA:							
4708 E 0168	-Dique de Levante, head.	38° 30.3' N 0° 13.1' W	Fl.G. period 3s fl. 0.5s, ec. 2.5s	46 14	4	White octagonal tower, green base and top; 23.	
4712 E 0169	-Dique de Poniente, head.	38° 30.4' N 0° 13.1' W	Fl.(2)R. period 6s	23 7	3	White octagonal tower, red base; 20.	
4716 E 0172	Islote de Benidorm.	38° 30.0' N 0° 07.8' W	Fl.W. period 3s fl. 0.3s, ec. 2.7s	197 60	7	White conical tower; 13.	
4720 E 0172.5	Puerto de Benidorm, Digue de Abongo, head.	38° 32.0' N 0° 07.9' W	Fl.G. period 3s	26 8	4	Green tower on white hut; 9.	Visible 305°-254°.
4724 E 0173.6	Punta Bombarda (Albir).	38° 33.7' N 0° 03.0' W	Fl.(3)W. period 27s fl. 1.5s, ec. 4.5s fl. 1.5s, ec. 4.5s fl. 1.5s, ec. 13.5s	367 112	15	White round tower, dwelling; 26.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-MEDITERRANEAN SEA							
4728 E 0174	Altea, E. breakwater.	38° 35.1' N 0° 03.2' W	Fl.(3)G. period 8s fl. 0.2s, ec. 1.8s fl. 0.2s, ec. 1.8s fl. 0.2s, ec. 3.8s	39 12	3	Green octagonal tower; 20.	
4732 E 0174.2	-W. breakwater.	38° 35.2' N 0° 03.3' W	Fl.(2)R. period 6s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 3.6s	30 9	3	Red octagonal tower; 20.	
EL PORTET							
4732.5 E 0174.4	-Breakwater, head.	38° 36.9' N 0° 01.9' W	Fl.(2)G. period 9s fl. 1s, ec. 2s fl. 1s, ec. 5s	20 6		Green round tower, white base; 13.	
4732.75 E 0174.6	-Contradique, head.	38° 36.9' N 0° 01.9' W	Fl.(2)R. period 9s fl. 1s, ec. 2s fl. 1s, ec. 5s	23 7		Red round tower, white base; 13.	
4733 E 0174.92	Mascarat, S. breakwater, W. head.	38° 37.7' N 0° 00.3' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 8	5	White and green round tower; 20.	
4733.5 E 0174.93	-Outer breakwater, head.	38° 37.8' N 0° 00.2' W	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 8	3	Red and white round tower; 20.	
4734 E 0174.9	-E. head.	38° 37.7' N 0° 00.0' W	Fl.W. period 3s fl. 0.6s, ec. 2.4s	33 10	4	Black and white round tower; 20.	
4735 E 0174.93	-Contradique, head.	38° 37.7' N 0° 00.2' W	F.R.	20 6	4	White round tower, red top; 26.	
4736 E 0175.4	Calpe, S. breakwater.	38° 38.2' N 0° 04.1' E	Fl.G. period 4s	43 13	6	Masonry tower, green top; 20.	
4740 E 0175.2	-W. breakwater.	38° 38.1' N 0° 04.2' E	Fl.(4)R. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 5s	27 8	6	Truncated conical concrete tower, red top; 13.	
SPAIN-ISLAS BALEARES							
ISLA DE FORMENTERA:							
4744 E 0250	-Formentera.	38° 39.7' N 1° 35.0' E	Fl.W. period 5s fl. 0.4s, ec. 4.6s	466 142	23	White tower on white dwelling; 72.	Visible 150°-050°.
4748 E 0251	-Cabo Berberia.	38° 38.4' N 1° 23.3' E	Fl.(2)W. period 15s fl. 0.2s, ec. 1.8s fl. 0.2s, ec. 12.8s	255 78	18	White round tower; 62.	Visible 234°-171°.
4752 E 0252	-Punta Cala Sabina.	38° 44.1' N 1° 24.9' E	Fl.(4)W. period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	43 13	7	White conical tower; 36.	
4756 E 0253	-Puerto de La Sabina, breakwater, head.	38° 44.1' N 1° 25.1' E	Fl.(2)G. period 6s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 3.5s	36 11	3	Green column on white tower, green triangular daymark, point up; 26.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-ISLAS BALEARES							
4760 E 0249	-Cala Pujols Range, front.	38° 43.4' N 1° 27.4' E	Q.R.	12 4	2	White square tower, red top; 11.	
4764 E 0249.1	--Rear, 80 meters 215°27' from front.	38° 43.4' N 1° 27.4' E	Iso.R. period 4s	24 7	2	White square tower, red top; 23.	
4768 E 0256	Isla Espardell, N. point.	38° 48.2' N 1° 28.6' E	Fl.(3)W. period 7.5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	115 35	8	White truncated tower; 53.	
4772 E 0254	Los Puercos (Pou), on islet, S. side of channel between Formentera and Ibiza.	38° 47.9' N 1° 25.3' E	Fl.(3+1)W. period 20s fl. 0.8s, ec. 2.2s fl. 0.8s, ec. 2.2s fl. 0.8s, ec. 6.2s fl. 0.8s, ec. 6.2s	92 28	11	White tower, black band; 82.	
4774 E 0253.5	Isla de Gastabi.	38° 46.5' N 1° 24.9' E	Q.(9)W. period 15s	39 12	4	W. CARDINAL YBY, beacon, topmark; 26.	
4776 E 0258	Bajo den Pou.	38° 48.3' N 1° 25.1' E	Q.W.	33 10	4	N. CARDINAL BY, beacon, topmark.	
4780 E 0260	Isla de Ahorcados, S. extremity.	38° 48.8' N 1° 24.7' E	Oc.(1+2)W. period 14s lt. 3.5s, ec. 2s lt. 3.5s, ec. 2s lt. 1s, ec. 2s	89 27	12	Tower, black and white bands; 66.	
ISLA DE IBIZA:							
4784 E 0274	-Isla Conejera.	38° 59.5' N 1° 12.7' E	Fl.(4)W. period 20s fl. 0.2s, ec. 1.5s fl. 0.2s, ec. 1.5s fl. 0.2s, ec. 1.5s fl. 0.2s, ec. 14.7s	270 82	18	White tower, dwelling; 57.	
4788 E 0276	-Bleda Plana, on islet.	38° 58.9' N 1° 09.6' E	Fl.(3)W. period 15s fl. 0.8s, ec. 2.4s fl. 0.8s, ec. 2.4s fl. 0.8s, ec. 7.8s	92 28	10	White metal tower; 26.	Visible 349°-239°.
4796 E 0273	--Punta Xinxo.	38° 58.3' N 1° 17.0' E	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	28 9	5	Green column on white hut, green triangular daymark, point up; 26.	Visible 075°-275°.
4796.4 E 0273.3	--Dique, head.	38° 58.6' N 1° 17.9' E	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	36 11	3	Red round column, white square base, red rectangular daymark; 30.	
4799 E 0267.8	--Marina, outer breakwater.	38° 58.9' N 1° 32.3' E	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	36 11	5	Green tower; 19.	
4800 E 0268	-Isla de Tagomago.	39° 02.0' N 1° 38.9' E	Fl.(2+1)W.R. period 30s fl. 0.3s, ec. 2.1s fl. 0.3s, ec. 13.5s fl. 0.3s, ec. 13.5s	282 86	17	White octagonal tower on building; 75.	W. 043°30'-037°, R.-043°30', over Bajo de Santa Eulalia.
4804 E 0270	-Punta Moscarte.	39° 06.9' N 1° 31.9' E	Fl.W. period 5s fl. 0.3s, ec. 4.7s	305 93	18	White round tower, black diagonal stripes; 171.	Visible 074°-294°.
-Puerto de Ibiza:							
4808 E 0264	--Islote Botafoch, entrance, E. side.	38° 54.2' N 1° 27.2' E	Oc.W.R. period 7s lt. 5s, ec. 2s	102 31	14	White round tower on white dwelling; 52.	W. 251°-034°, R.-045°, W.- 242°, obsc.-273°. Siren: 2 bl. ev. 10s (bl. 2s, si. 2s, bl. 2s, si. 4s).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-ISLAS BALEARES							
4809 E 0263	--Breakwater, head.	38° 54.2' N 1° 26.9' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	33 10	7	Green post; 13.	
4810 E 0264.4	--Marina d'es Botafoch.	38° 54.6' N 1° 27.0' E	Fl.(2+1)G. period 11s fl. 0.4s, ec. 0.8s fl. 0.4s, ec. 3s fl. 0.4s, ec. 6s	20 6	3	Green pedestal, red band, green triangular daymark, point up; 10.	
4820 E 0265	--Dique de Abrigo.	38° 54.7' N 1° 26.6' E	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	39 12	5	White truncated tower, red cupola; 36.	Obscured on bearings greater than 345°.
4824 E 0266	--Contramuelle, on SE. angle.	38° 54.7' N 1° 26.3' E	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	19 6	3	Red post; 13.	
4828 E 0266.2	---NW. angle.	38° 54.7' N 1° 26.3' E	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	19 6	3	Red metal post; 13.	
4830 O 265.6	--Ibiza la Nueva, S. breakwater, head.	38° 54.8' N 1° 26.6' E	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	39 12	1	Green round tower on white base; 36.	
4840 E 0267	--Oil pier, near extremity.	38° 54.8' N 1° 26.4' E	Fl.(2+1)G. period 8s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 2s fl. 0.5s, ec. 4s	20 6	1	Green metal post, red band; 13.	Light is not at top of post.
4842 E 0267.2	--- SW. head.	38° 54.8' N 1° 26.3' E	Fl.(4)G. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	20 6	1	Green metal post; 13.	Light is not at top of post.
4844 E 0262	-Islote Dado Grande.	38° 53.5' N 1° 27.2' E	Fl.(2)W. period 10s	43 13	6	ISOLATED DANGER BRB, tower, topmark; 20.	
4848 E 0278	-Islote Vedra, W. head.	38° 52.0' N 1° 11.0' E	Fl.W. period 5s fl. 1.2s, ec. 3.8s	67 20	11	White metal tower; 11.	Obscured 134°-262°.
ISLA DE CABRERA:							
4852 E 0338	-Punta Anciola.	39° 07.8' N 2° 55.4' E	Fl.(3)W. period 15s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 9.8s	396 121	19	Red and white checkered tower; 69.	Visible 277°-30°-169°.
4856 E 0338.3	-Cabo Lebeche.	39° 09.7' N 2° 55.1' E	Fl.(4)W. period 14.5s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	243 74	7	Black and white checkered octagonal stone tower; 23.	
4860 E 0338.6	-Punta Creveta.	39° 09.3' N 2° 55.8' E	Fl.R. period 4s fl. 0.5s, ec. 3.5s	43 13	7	White octagonal tower, rectangular daymark; 16.	
4864 E 0339	-Puerto de Cabrera, mole, head.	39° 09.1' N 2° 56.1' E	Fl.(2)R. period 10.5s fl. 0.5s, ec. 2.2s fl. 0.5s, ec. 7.3s	15 5	5	Red column on hut; 13.	
4868 E 0340	Isla Horadada.	39° 12.5' N 2° 58.8' E	Fl.(2)W. period 12s fl. 0.5s, ec. 3s fl. 0.5s, ec. 8s	139 42	13	Truncated tower, white and black bands, on white building; 43.	Visible 047°-001°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-ISLAS BALEARES							
ISLA DE MALLORCA:							
4872 E 0314	-Cabo de Salinas, Mallorca, S. point.	39° 16.0' N 3° 03.1' E	Fl.(2+1)W. period 20s fl. 1s, ec. 2s fl. 1s, ec. 7.5s fl. 1s, ec. 7.5s	56 17	13	Tower and white hut; 56.	Visible 265°-116° Siren: Mo.(S) ev. 15s. Audible 260°-140°.
4876 E 0314.4	-Puerto de Campos, pier, head.	39° 19.0' N 3° 00.0' E	Fl.(4)R. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 5s	15 5	3	PORT (A) R, beacon, topmark; 16.	
4880 E 0314.6	--Contradique, head.	39° 19.0' N 2° 59.9' E	Fl.G. period 3s fl. 1s, ec. 2s	14 4	1	Green column on white hut; 10.	
4884 E 0315	-Punta Puntasa.	39° 18.8' N 2° 59.6' E	Fl.(3)W. period 10.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 6s	59 18	7	White round tower, black bands; 39.	
4885 E 0314.2	-Isla de la Guardia.	39° 18.7' N 3° 00.1' E	Fl.(4)G. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	23 7	5	White tower, upper part green; 16.	
4887 E 0315.4	-Rapita, breakwater, head.	39° 21.7' N 2° 57.3' E	Fl.R. period 2.5s fl. 0.5s, ec. 2s	23 7	5	Red column; 19.	
4888 E 0315.8	-Punta Plana.	39° 21.2' N 2° 54.9' E	Fl.(1+3)W. period 12s fl. 0.5s, ec. 3s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 5s	52 16	7	White round tower, black bands; 39.	
4892 E 0316	-Cabo Blanco.	39° 21.9' N 2° 47.3' E	Oc.W. period 5s lt. 4s, ec. 1s	312 95	15	White tower, dwelling; 39.	Visible 296°-115°.
4895 E 0316.3	-El Arenal, shelter dike, head.	39° 30.2' N 2° 44.9' E	Fl.(3)G. period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4.5s	26 8	5	White round tower, green band; 13.	
4895.5 E 0316.6	--Counterdike, head.	39° 30.7' N 2° 44.9' E	Fl.(4)R. period 11s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6s	26 8	1	Red and white round tower on white square base; 20.	
4896 E 0316.4	-Inner pier, NE. corner.	39° 30.2' N 2° 44.9' E	Fl.(2+1)R. period 11.5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 4.5s	26 8	1	Red round tower, green band, white top; 23.	
4896.5 E 0316.5	---SW. corner.	39° 30.1' N 2° 44.8' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	13 4	1	Red round tower; 10.	
4900 E 0316.7	-L'an Pastilla, outer breakwater, head.	39° 32.0' N 2° 43.1' E	Fl.(4)R. period 11s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6s	26 8	5	Red tower on concrete base; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-ISLAS BALEARES							
4901 <i>E 0316.72</i>	-E. breakwater, head.	39° 32.0' N 2° 43.1' E	Fl.(4)G. period 11s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6s	20 6	3	Green tower; 16.	
4902 <i>E 0316.74</i>	-Cala Gamba, entrance.	39° 32.8' N 2° 41.7' E	Fl.R. period 2s fl. 0.5s, ec. 1.5s	16 5	5	Red post; 10.	
4904 <i>E 0317</i>	-Cala d'en Rigo, 600 meters E. of Cala Portixol, E. jetty, head.	39° 33.6' N 2° 40.6' E	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	3	Green pole; 13.	
4908 <i>E 0317.2</i>	--W. jetty, head.	39° 33.6' N 2° 40.6' E	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	5	Red pole; 16.	
4912 <i>E 0316.8</i>	-Portixol, Pier de Troneras, head.	39° 33.6' N 2° 40.2' E	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	5	Red round tower, white hut, red rectangular daymark; 19.	
4916 <i>E 0316.82</i>	--Sa Raqueta Pier.	39° 33.5' N 2° 40.1' E	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	3	Green round tower, white hut, green triangular daymark; 19.	
4920 <i>E 0316.83</i>	--Inner breakwater, W. side.	39° 33.5' N 2° 40.0' E	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	1	Red round tower, white hut, red triangular daymark; 13.	
4924 <i>E 0316.84</i>	---E. side.	39° 33.7' N 2° 40.2' E	Fl.(4)G. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	10 3	1	Green round tower, green triangular topmark, white base; 7.	
4932 <i>E 0318.8</i>	-Porto Pi.	39° 33.0' N 2° 37.5' E	Fl.(2)W. period 15s fl. 0.4s, ec. 3.3s fl. 0.4s, ec. 10.9s	135 41	22	Quadrangular stone tower; 125.	Visible outside Bahi de Palma 327°-040°30'.
4934 <i>E 0319</i>	--Muelle de Poniente.	39° 33.2' N 2° 37.9' E	Fl.(2+1)R. period 12s fl. 1s, ec. 1s fl. 1s, ec. 3s fl. 1s, ec. 5s	16 5	3	Red pyramidal tower, green band; 13.	
4936 <i>E 0318</i>	--Dique del Oeste, head.	39° 33.2' N 2° 38.4' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	62 19	7	Red round tower, white hut, red square daymark, white base; 42.	
4940 <i>E 0318.3</i>	---Outer elbow.	39° 33.1' N 2° 38.4' E	Q.(3)W. period 10s	52 16	5	E. CARDINAL BYB, tower; 33.	Obscured inside harbor. Siren: Mo.(P) ev. 30s (bl. 2s, si. 2s, bl. 6s, si. 2s, bl. 6s, si. 2s, bl. 2s, si. 8s). Radar reflector.
---RACON		M(— —)			22		
4941 <i>E 0318.71</i>	---Ro-Ro/Lo-Lo terminal, NE. corner.	39° 32.9' N 2° 38.0' E	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	13 4	1	Red post; 7.	Synchronized with 4942.
4942 <i>E 0318.7</i>	----SW. corner.	39° 32.8' N 2° 37.8' E	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	7 2	1	Red lantern on wall.	Synchronized with 4941.
4944 <i>E 0318.6</i>	---Inner elbow.	39° 32.7' N 2° 37.9' E	Q.(6)+L.Fl.W. period 15s	52 16	5	S. CARDINAL YB.	Visible 231°-092°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-ISLAS BALEARES							
4946 <i>E 0328.08</i>	---Muelle de Espera.	39° 33.9' N 2° 38.0' E	Fl.(2+1)R. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 4.5s	20 6	1	Red column, green bands; 16.	
4948 <i>E 0328.3</i>	---Muelle de Amarres, NW. head.	39° 33.9' N 2° 38.0' E	Fl.(2)G. period 11s fl. 1s, ec. 3s fl. 1s, ec. 6s	16 5	1	Green column; 13.	
4949 <i>E 0328.31</i>	--Marina, outer mole, NE corner.	39° 34.0' N 2° 37.8' E	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	13 4	1	Red post; 10.	Fl.(2+1)R. 10s 3m 1M, Fl.R. 5s 3m 1M and Fl.(2)R. 3s 3m 1M lights mark wharfs close NE.
4950 <i>E 0328</i>	--Club Natico. ---No. "3" spur, head.	39° 33.9' N 2° 38.1' E	Fl.(2)R. period 14s fl. 1s, ec. 3s fl. 1s, ec. 9s	13 4	1	Red column; 16.	
4951 <i>E 0326.2</i>	--Muelle de Armamento, head.	39° 34.0' N 2° 38.3' E	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	20 6	1	Red column; 13.	
4951.5 <i>E 0326</i>	--Muelle Pascadores, head.	39° 34.0' N 2° 38.4' E	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	20 6	1	Red column; 13.	Visible 185°-085.5°.
4952 <i>E 0328.42</i>	---S. head.	39° 33.3' N 2° 37.7' E	Fl.Y. period 5s	16 5	1	Yellow column; 13.	
4960 <i>E 0328.38</i>	--Muelle de la Pedrera, N. head.	39° 33.6' N 2° 37.8' E	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	17 5	3	Red column; 13.	
4964 <i>E 0328.39</i>	---S. head.	39° 33.4' N 2° 37.8' E	Fl.(2+1)R. period 12s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s fl. 0.5s, ec. 6.5s	16 5	1	Red column, green band; 13.	
4968 <i>E 0328.34</i>	--La Coarentena, T-head, N. end.	39° 33.7' N 2° 37.8' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	17 5	1	Red post; 13.	
4972 <i>E 0328.36</i>	---S. end.	39° 33.7' N 2° 37.7' E	Fl.(2+1)R. period 15s fl. 1s, ec. 2s fl. 1s, ec. 4s fl. 1s, ec. 6s	7 2	1	Red metal column, green band; 13.	
4976 <i>E 0322</i>	--Dique Este, SW. corner.	39° 33.5' N 2° 38.1' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	56 17	5	Green round tower, white hut, green triangular daymark; 49.	
4980 <i>E 0322.2</i>	---NW. corner.	39° 33.7' N 2° 38.0' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	13 4	3	Green column; 20.	Fl.(2)G. 7s 7m 1M and Fl.(2)G. 7s 7m 1M mark ends of wharf 318 meters NE. Fl.(3)G. 9s 7m 1M and Fl.(3)G. 9s 7m 1M mark ends of wharf 578 meters NE. Fl.(4)G. 11s 7m 1M marks end of wharf 850 meters NE.
4992 <i>E 0320</i>	---Spur, elbow.	39° 33.3' N 2° 37.8' E	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	13 4	1	Red column; 7.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-ISLAS BALEARES							
4996 E 0328.32	--Jonquet, jetty, head.	39° 34.1' N 2° 37.9' E	Fl.(2+1)R. period 10s fl. 1s, ec. 1s fl. 1s, ec. 3s fl. 1s, ec. 3s	10 3	1	Red metal column, green band; 7.	
5000 E 0328.7	-Cala Nova, Yacht school, S. mole.	39° 33.0' N 2° 36.0' E	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	3	Red column, white base; 10.	
5002 E 0328.8	-Portals Nous, entrance.	39° 31.7' N 2° 33.8' E	Fl.(3)G. period 14s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 7s	30 9	4	Green tower on white hut, green triangular daymark, point up; 20.	Fl.(3)R. 14s 4m 3M light marks outer breakwater.
5004 E 0329.6	-Portals Vells, mole, head.	39° 28.5' N 2° 31.3' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	16 5	5	Green round tower, white square base, green triangular daymark, point up; 13.	
5004 E 0328.75	--N. mole.	39° 33.0' N 2° 36.0' E	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	3	Green column; 10.	
5006 E 0329	--Yacht Harbor Pier, head.	39° 31.5' N 2° 32.6' E	Fl.(4)G. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	5	Green column on white base, green triangular daymark, point up; 20.	
5008 E 0330	-Cap de Cala Figuera.	39° 27.5' N 2° 31.4' E	Fl.(4)W. period 20s fl. 0.3s, ec. 3s fl. 0.3s, ec. 3s fl. 0.3s, ec. 3s fl. 0.3s, ec. 9.8s	148 45	15	White truncated tower, black stripes; 79.	Visible 293°-094°. Aeromarine light. Siren: 2 bl. ev. 12s (bl. 2s, si. 2s, bl. 2s, si. 6s).
5012 E 0332	-Isla del Toro, on islet.	39° 27.8' N 2° 28.4' E	Fl.W. period 5s fl. 0.4s, ec. 4.6s	102 31	8	White conical tower.	
5012.5 E 0332.5	-Puerto Deportivo, Puerto Adriano, mole, head.	39° 29.4' N 2° 28.8' E	Fl.(2)G. period 6.5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4.5s	20 6	5	Green post, white top; 7.	Fl.(2)R. 10s 4m 3M light close E.
5013 E 0333	-Santa Ponza, breakwater, head.	39° 30.9' N 2° 27.9' E	Fl.(3)G. period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4.5s	33 10	5	Green column on white hut; 16.	
5014 E 0333.2	--Punta de Caleta.	39° 30.8' N 2° 28.0' E	Fl.(3)R. period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4.5s	33 10	3	Red column on red base; 13.	
5016 E 0334	-Cabo de la Mola.	39° 31.9' N 2° 21.9' E	Fl.(1+3)W. period 12s fl. 0.5s, ec. 3.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 3.5s	420 128	12	White column, black bands, on white square tower; 33.	Visible 304°24'-147°.
5020 E 0336	-Puerto de Andraitx, mole, W. head.	39° 32.6' N 2° 22.8' E	Fl.(4)R. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	39 12	5	Truncated conical stone tower, red top; 30.	
5022 E 0336.8	--Breakwater, extremity.	39° 32.8' N 2° 23.2' E	Fl.(4)R. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	20 6	1	Red column; 10.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-ISLAS BALEARES							
5024 <i>E 0336.6</i>	--New inner breakwater, head.	39° 32.8' N 2° 23.1' E	Fl.(3)R. period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4.5s	20 6	1	Red tower on white hut, red square daymark; 13.	
5028 <i>E 0337</i>	--Inner mole, head.	39° 32.8' N 2° 23.2' E	Fl.(4)G. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	22 7	1	Octagonal green tower, white base; 13.	
-Isla Dragonera:							
5030 <i>E 0286</i>	--Isla Mitjana.	39° 35.1' N 2° 20.5' E	Q.(9)W. period 15s	33 10	3	W. CARDINAL YBY, post, topmark; 16.	
5032 <i>E 0282</i>	--Cabo Llebeix.	39° 34.5' N 2° 18.3' E	Fl.W. period 7.5s fl. 0.2s, ec. 7.3s	427 130	20	Masonry tower, building, red roof; 48.	Visible 313°-150°.
5036 <i>E 0284</i>	--Punta Tramontana.	39° 36.0' N 2° 20.4' E	Fl.(2)W. period 12s fl. 0.3s, ec. 2.7s fl. 0.3s, ec. 8.7s	219 67	14	Masonry tower, stone building, red tile; 49.	Visible 095°-230° and 346°-027°.
-Puerto de Soller:							
5040 <i>E 0289</i>	--Cap Gros.	39° 47.9' N 2° 41.0' E	Fl.(3)W. period 15s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 9.8s	394 120	18	White tower and house, red roof; 72.	Visible 054°-232°.
5044 <i>E 0288</i>	--Punta de la Creu, entrance, E. point.	39° 47.9' N 2° 41.4' E	Fl.W. period 2.5s fl. 0.5s, ec. 2s	115 35	13	White truncated conical tower, black bands; 43.	Visible 088°-160°.
5048 <i>E 0290</i>	-Entrance Range, front.	39° 47.6' N 2° 41.9' E	Q.R.	160 49	5	White round tower, aluminum diamond daymark; 23.	
5052 <i>E 0290.1</i>	---Rear, 36 meters 126°38' from front.	39° 47.6' N 2° 41.9' E	Iso.R. period 4s	196 60	5	White round tower, aluminum diamond daymark; 23.	
5056 <i>E 0291</i>	--Dique D.E., head.	39° 47.8' N 2° 41.6' E	Fl.R. period 4s	22 7	5	Red post; 6.	
5060 <i>E 0293</i>	--Muelle Comercial, elbow.	39° 47.9' N 2° 41.7' E	Fl.(2+1)G. period 10s		1	Green post, red stripe; 9.	
5064 <i>E 0293.2</i>	--Head.	39° 47.9' N 2° 41.8' E	Fl.(3)R. period 9s		1	Red post, red square; 9.	
5068 <i>E 0296</i>	-Cabo de Formenter.	39° 57.7' N 3° 12.8' E	Fl.(4)W. period 20s fl. 0.2s, ec. 3.1s fl. 0.2s, ec. 3.1s fl. 0.2s, ec. 3.1s fl. 0.2s, ec. 9.9s	689 210	21	White tower, dwelling; 72.	Visible 085°-006°.
5072 <i>E 0298</i>	-Punta de la Avanzada.	39° 54.1' N 3° 06.7' E	Oc.(2)W. period 8s lt. 4.5s, ec. 1s lt. 1.5s, ec. 1s	95 29	15	White octagonal tower on rectangular dwelling; 59.	Visible 234°-272°.
5076 <i>E 0301</i>	--Dique Norte, outer spur, head.	39° 54.1' N 3° 05.2' E	Fl.(2)G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	19 6	5	Green truncated conical tower, white base and top; 16.	Fl.(2)R. 8s 2m 3M light marks NW. breakwater entrance.
-El Puerto:							
5077 <i>E 0299.5</i>	---Corner.	39° 54.3' N 3° 05.3' E	Q.(3)W. period 10s	10 3	3	Column on black house, yellow band; 7.	
5080 <i>E 0300.2</i>	--N. breakwater, head.	39° 54.3' N 3° 05.2' E	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	7 2	1	Column on red house; 1.	Fl.(3)R. 9s 2m 1M light marks S. head.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-ISLAS BALEARES							
5084 <i>E 0299</i>	--Inner mole, head.	39° 54.3' N 3° 05.1' E	Fl.(3)G. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	16 5	1	Green truncated conical tower, white base and top; 13.	
5086 <i>E 0303.7</i>	-Punta Sabate.	39° 53.6' N 3° 11.6' E	Fl.(3)W. period 13s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	154 47	5	White cylindrical tower, black band; 39.	
5090 <i>E 0303</i>	-Puerto de Bonaire, dike, head.	39° 52.1' N 3° 08.7' E	Fl.(3)R. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	16 5	5	Red column; 9.	
5091 <i>E 0303.2</i>	--Muelle de Ribera.	39° 52.1' N 3° 08.7' E	Fl.(3)G. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	16 5	3	Green column on white square base, white top; 13.	
PUERTO DE ALCUDIA							
5096 <i>E 0306</i>	-Muelle commercial, head.	39° 49.9' N 3° 08.5' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	34 10	5	Green tower; 16.	
5097 <i>E 0306.5</i>	-Meulle de Poniente	39° 50.1' N 3° 08.3' E	Fl.(2+1)R. period 12s fl. 1s, ec. 1s fl. 1s, ec. 3s fl. 1s, ec. 5s	13 4	3	Red tower, green band; 10.	NW. pier marked by 2 Fl.(2)G. 6s 4m 1M lights.
5098 <i>E 0307</i>	--Muelle Viejo, head.	38° 50.3' N 3° 08.1' E	Fl.(4)G. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	13 4	1	Green pyramidal tower; 10.	
5099 <i>E 0306.6</i>	--Club de Amigos de Alcudia, dike, head.	39° 50.2' N 3° 08.1' E	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	16 5	3	Red pyramidal tower; 10.	
5100 <i>E 0304</i>	-Isla Aucanada, Bahia de Alcudia, N. side.	39° 50.2' N 3° 10.3' E	Fl.W. period 5s fl. 1s, ec. 4s	82 25	11	White tower and dwelling; 49.	Obscured 289°-320°.
5104 <i>E 0307.1</i>	-Ca'n Picafort, pier, head.	39° 46.0' N 3° 09.5' E	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 8	5	Red metal tower; 13.	Fl.(2)G. 6.5s marks head of contradike.
5105 <i>E 0307.16</i>	-Escuy C'an Barret.	39° 46.1' N 3° 09.5' E	Q.(3)W. period 10s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 7.5s	10 3	4	E. CARDINAL BYB, beacon; 10.	
5107 <i>E 0307.17</i>	-Puerto Deportivo Serranova, breakwater, head.	39° 44.4' N 3° 13.5' E	Fl.(3)R. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	20 6	5	Red tower; 7.	
5107.5 <i>E 0307.19</i>	-Inner breakwater.	39° 44.4' N 3° 13.4' E	Oc.G. period 8s lt. 5s, ec. 3s	10 3	1	Green column, semaphore; 7.	
5108 <i>E 0307.2</i>	-Colonia de San Pedro, breakwater, head.	39° 44.3' N 3° 16.5' E	Fl.(4)R. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	20 6	5	Red round tower; 10.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-ISLAS BALEARES							
5116 <i>E 0308</i>	-Cabo de Pera.	39° 43.0' N 3° 28.7' E	Fl.(2+3)W. period 20s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 6.5s fl. 0.2s, ec. 1.8s fl. 0.2s, ec. 1.8s fl. 0.2s, ec. 6.6s	249 76	16	White tower, dwelling, red roof; 69.	Visible 148°-010°.
5120 <i>E 0308.2</i>	-Cala Ratjada, mole, head.	39° 42.6' N 3° 27.9' E	Fl.G. period 2s fl. 0.2s, ec. 1.8s	39 12	5	Green tower on hut, green triangular daymark, point up; 10.	
5128 <i>E 0308.7</i>	--Dique Norte, head.	39° 36.8' N 3° 23.6' E	Fl.(2)G. period 6s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 3.6s	16 5	3	Round tower on white hut, green triangular daymark, point up.	
5132 <i>E 0308.6</i>	-Cala Bona, Dique Sur, head.	39° 36.8' N 3° 23.6' E	Fl.(2)R. period 6s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 3.6s	16 5	5	Round tower on white hut, red square; 7.	
5136 <i>E 0309</i>	-Cala Manacor (Porto Cristo), at entrance.	39° 32.2' N 3° 20.5' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	65 20	7	Tower, black and white stripes; 18.	
5140 <i>E 0309.4</i>	--Punta des Pelats, mole, head.	39° 32.5' N 3° 20.3' E	Fl.(3)R. period 8.5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 5s	16 5	3	Red octagonal tower; 7.	
5144 <i>E 0310</i>	-Punta de Farola, on Puerto Colom, E. entrance point.	39° 24.9' N 3° 16.3' E	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	137 42	10	Tower, black and white bands, white house with red roof; 82.	Visible 207°-006°.
5148 <i>E 0310.4</i>	-Punta de la Bateria.	39° 25.0' N 3° 16.2' E	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	39 12	5	Red tower on white hut, red square; 24.	
5152 <i>E 0311</i>	--Mole, SE. corner.	39° 25.3' N 3° 15.8' E	Fl.(3)R. period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4.5s	15 5	1	Red column on white hut, red square; 8.	
5154 <i>E 0311.2</i>	--Punta de sa Sinia, breakwater, head.	39° 25.5' N 3° 15.8' E	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	10 3	1	Red column; 7.	
5156 <i>E 0311.4</i>	-Cala Llonga.	39° 22.1' N 3° 14.1' E	Fl.(1+2)W. period 20s fl. 1s, ec. 4s fl. 1s, ec. 2s fl. 1s, ec. 11s	56 17	7	White column, black stripes; 18.	
5160 <i>E 0311.8</i>	-Puerto Petro, on Punta Sa Torre.	39° 21.4' N 3° 13.0' E	Fl.(3+1)W. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s fl. 0.5s, ec. 3s	72 22	7	Tower, white and black stripes; 30.	
5162 <i>E 0311.9</i>	--Dique Calo des Moix, head.	39° 21.7' N 3° 12.8' E	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	5	Red tower; 10.	
5164 <i>E 0312.2</i>	--Mole, head.	39° 21.8' N 3° 12.8' E	Fl.(2+1)G. period 12s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 2.4s fl. 0.8s, ec. 6s	20 6	3	Green round tower, red band on white square base; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-ISLAS BALEARES							
5168 <i>E 0312.3</i>	-Punta Sa Platja, 640 meters 352° from mole, head.	39° 21.8' N 3° 12.8' E	Q.G.		21 6	3 STARBOARD (A) G, beacon, topmark; 13.	
5172 <i>E 0312.6</i>	-Torre d'en Beu, on Cala Figuera de Santany, entrance, N. side.	39° 19.8' N 3° 10.7' E	Fl.W. period 3s fl. 0.8s, ec. 2.2s	105 32	12	Black and white striped octagonal tower; 21.	
5176 <i>E 0313</i>	-Jetty, head.	39° 20.0' N 3° 10.0' E	Fl.(3)R. period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4.5s	21 6	5	PORT (A) R, beacon, topmark; 16.	
5180 <i>E 0366</i>	Isla del Aire.	39° 48.0' N 4° 17.7' E	Fl.W. period 5s fl. 0.2s, ec. 4.8s	174 53	18	Tower, black and white bands, white house; 125.	Obscured 111°-197°.
5182 <i>E 0367</i>	-Bajo es Caragol.	39° 48.5' N 4° 15.2' E	Q.(6)+L.Fl.W. period 15s	33 10	5	S. CARDINAL YB, beacon, topmark.	
ISLA DE MENORCA:							
5184 <i>E 0342</i>	-Cabo D'Artrutx.	39° 55.4' N 3° 49.5' E	Fl.(3)W. period 10s fl. 0.2s, ec. 1.8s fl. 0.2s, ec. 1.8s fl. 0.2s, ec. 5.8s	148 45	19	White tower, black bands, on white hut; 111.	Visible 267°-158°.
5188 <i>E 0344</i>	-Ciudadela, Calo Frares, W. side of entrance.	39° 59.8' N 3° 49.4' E	Oc.(2+3)W. period 14s lt. 3s, ec. 1s lt. 1s, ec. 1s lt. 3s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s	69 21	14	White tower, black bands on white house; 43.	Visible 004°-094°.
5192 <i>E 0345</i>	--Punta El Bancal, on N. bank about 173 meters 061° from Ciudadela.	39° 59.9' N 3° 49.5' E	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	33 10	5	Red tower on white hut, red square; 13.	
5196 <i>E 0345.4</i>	--San Nicolas, on S. bank 325 meters 067°36' from Ciudadela.	39° 59.9' N 3° 49.5' E	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	33 10	3	White quadrangular tower, green triangular daymark, point up; 13.	
5200 <i>E 0345.6</i>	--Sa Trona, on S. bank 537 meters 062°06' from Ciudadela.	40° 00.0' N 3° 49.8' E	Fl.(4)G. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	24 7	1	Green column beside white hut, green triangular daymark, point up; 13.	
5204 <i>E 0345.9</i>	--Cala d'en Busquets, E. point, 600 meters 052° from Ciudadela.	40° 00.0' N 3° 49.8' E	Dir.Fl.W.R.G. period 5s fl. 1s, ec. 4s	29 9	W. R. G. 3 3 3	White square tower; 11.	G. 042°-044°, W.-046°, R.- 048°.
5208 <i>E 0345.8</i>	---N. bank, 654 meters 057°24' from Ciudadela.	40° 00.0' N 3° 49.8' E	Fl.(4)R. period 12s fl. 0.7s, ec. 1s fl. 0.7s, ec. 1s fl. 0.7s, ec. 1s fl. 0.7s, ec. 6.2s	35 11	3	Red column on white tower, red rectangular daymark; 14.	
5212 <i>E 0346.4</i>	--Baliza de la Muralla.	40° 00.2' N 3° 50.2' E	Dir.Oc.(2)W.R.G. period 9.5s	28 9	W. R. G. 3 3 3	White square tower; 19.	R. 062°24'-062°54', W.- 063°24', G.-063°54'.
5216 <i>E 0346.2</i>	--Varadero, on N. bank 832 meters 059°12' from Ciudadela.	40° 00.1' N 3° 49.9' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	20 6	2	Red tower on white hut, red square daymark; 16.	
5220 <i>E 0348</i>	-Punta Nati.	40° 03.1' N 3° 49.5' E	Fl.(3+1)W. period 20s fl. 0.4s, ec. 2.1s fl. 0.4s, ec. 2.1s fl. 0.4s, ec. 7.1s fl. 0.4s, ec. 7.1s	138 42	16	White truncated pyramidal tower, white cupola, aluminum lantern; 62.	Visible 039°-162°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-ISLAS BALEARES							
5224 <i>E 0350</i>	-Cabo de Caballeria.	40° 05.4' N 4° 05.6' E	Fl.(2)W. period 10s fl. 0.1s, ec. 1.9s fl. 0.1s, ec. 7.9s	310 94	22	White tower, dwelling; 49.	Visible 074°-292°.
	-RACON		B(- • • •) period 72s				
5226 <i>E 0350.5</i>	-Cap de sa Pared.	40° 03.8' N 4° 08.0' E	Fl.W. period 2s fl. 0.5s, ec. 1.5s	95 29	8	Tower on hut, white and black bands.	
5228 <i>E 0351</i>	-Puerto de Fornells Range, front.	40° 02.9' N 4° 08.2' E	Q.R.	45 14	7	White pyramidal tower; 20.	A Fl.G. light is located on head of Dique de Levante.
5232 <i>E 0351.1</i>	--Rear, 110 meters 178°30' from front.	40° 02.9' N 4° 08.2' E	Iso.R. period 4s	76 23	7	White pyramidal tower; 30.	
5236 <i>E 0352</i>	-Cabo Favaritx.	39° 59.8' N 4° 16.0' E	Fl.(1+2)W. period 15s fl. 0.3s, ec. 5.7s fl. 0.3s, ec. 2.7s fl. 0.3s, ec. 5.7s	154 47	16	Tower, white and black stripes, attached to white dwelling; 92.	
5238 <i>E 0355</i>	-Punta del Espero.	39° 52.6' N 4° 19.6' E	Fl.(1+2)W. period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10s	167 51	8	White round tower, black bands; 36.	
	-Puerto de Mahon:						
5240 <i>E 0354</i>	--Punta San Carlos.	39° 51.9' N 4° 18.4' E	Oc.(2)W. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	72 22	12	White round tower, black bands, white square base; 49.	Obscured 143°-183°.
5252 <i>E 0356</i>	--Punta Lazareto.	39° 52.6' N 4° 18.2' E	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	42 13	1	Round white tower on square base, green triangular daymark, point up; 20.	
5256 <i>E 0358</i>	--Punta de Ne Cafayes (Cala Fonts) (Villacarlos).	39° 53.0' N 4° 17.7' E	Fl.(3)R. period 9s	27 8	1	Red tower on white hut, red square.	
5260 <i>E 0359</i>	--Isla Plana de Mahan, S. point.	39° 53.0' N 4° 18.0' E	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	1	Green round tower; 20.	
5264 <i>E 0360</i>	--Punta de Villacaras.	39° 53.1' N 4° 17.4' E	Fl.(4)R. period 11s	34 10	1	Red tower on white hut, red square; 12.	
5268 <i>E 0361</i>	--Isla del Hospital.	39° 53.2' N 4° 17.3' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	43 13	1	Green tower on white hut, green triangular daymark, point up; 42.	
5272 <i>E 0361.4</i>	---On Punta Sa Cova, N. part.	39° 53.3' N 4° 17.3' E	Oc.R. period 4s lt. 3s, ec. 1s	52 16	1	Red round tower; 20.	
5276 <i>E 0361.6</i>	--Punta de Sa Bassa.	39° 53.4' N 4° 17.4' E	Oc.G. period 4s	31 9	1	Green tower on white hut, green triangular daymark, point up; 10.	
5280 <i>E 0362.4</i>	--Isla del Pinta, S. point.	39° 53.6' N 4° 16.3' E	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	13 4	1	STARBOARD (A) G, metal post, topmark; 10.	
5284 <i>E 0362</i>	--Punta de Cala Figuera.	39° 53.5' N 4° 16.6' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	23 7	1	Post, red square daymark; 16.	
5288 <i>E 0364</i>	--Cala Taulera, I. Lazaretto, E. point.	39° 52.7' N 4° 18.4' E	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	1	Red round tower; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-ISLAS BALEARES							
5292 <i>E 0364.2</i>	--Canal de Alfonso XII, E. head.	39° 52.9' N 4° 18.3' E	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	1	Red round tower; 20.	
5296 <i>E 0364.4</i>	---W. head.	39° 52.9' N 4° 18.2' E	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	1	Red round tower; 20.	
SPAIN-MEDITERRANEAN SEA							
5300 <i>E 0176</i>	Cabo de la Nao.	38° 43.8' N 0° 14.1' E	Fl.W. period 5s fl. 0.2s, ec. 4.8s	400 122	23	White octagonal tower, dwelling; 66.	Visible 190°-049°.
JAVEA:							
5304 <i>E 0179</i>	-Outer mole, head.	38° 47.6' N 0° 11.3' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	36 11	5	Green truncated tower, white base; 20.	
5308 <i>E 0179.4</i>	-Inner mole, head.	38° 47.7' N 0° 11.2' E	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	30 9	4	Red truncated tower, white base; 20.	
5312 <i>E 0180</i>	Cabo de San Antonio.	38° 48.1' N 0° 11.8' E	Fl.(4)W. period 20s fl. 0.2s, ec. 3.1s fl. 0.2s, ec. 3.1s fl. 0.2s, ec. 3.1s fl. 0.2s, ec. 9.9s	574 175	26	White tower and dwelling; 56.	Visible over an arc of 240°.
DENIA:							
5316 <i>E 0186</i>	-Range, pier, head, front.	38° 50.3' N 0° 06.9' E	Fl.R. period 2.5s fl. 1s, ec. 1.5s	33 10	4	Metal post with platform; 33.	Visible 198°-258°.
5320 <i>E 0186.1</i>	--Rear, 150 meters 228° from front.	38° 50.1' N 0° 06.8' E	Oc.R. period 6s lt. 4.5s, ec. 1.5s	46 14	4	Metal post with platform; 33.	Visible 198°-258°.
5324 <i>E 0184</i>	-Dique Norte, head.	38° 50.8' N 0° 07.6' E	Fl.(3)G. period 10.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 6s	43 13	5	Green hexagonal tower; 23.	
5328 <i>E 0187</i>	-Dique Norte, elbow.	38° 50.6' N 0° 07.6' E	Fl.(4)G. period 11s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6s	13 4	4	Green hexagonal tower; 10.	
5329 <i>E 0187.5</i>	--Inner jetty, head.	38° 50.5' N 0° 07.1' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	13 4	3	Green hexagonal tower; 10.	Visible 226°-134°30'.
5332 <i>E 0185</i>	-Dique Sur, head.	38° 50.6' N 0° 07.4' E	Fl.(3)R. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6.5s	30 9	5	Red hexagonal tower; 10.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-MEDITERRANEAN SEA							
5333 <i>E 0188</i>	--Elbow of Dique Sur.	38° 50.5' N 0° 07.3' E	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	16 5	4	Red hexagonal tower; 10.	
5334 <i>E 0188.5</i>	--Jetty, head.	38° 50.6' N 0° 07.2' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s			Red hexagonal tower.	
5338 <i>E 0190</i>	-Club Nautico de Oliva, shelter dique.	38° 55.9' N 0° 05.6' W	Fl.(2)G. period 5s	23 7	4	White and green triangular tower.	
5338.5 <i>E 0190.2</i>	--Contradique.	38° 55.7' N 0° 05.7' W	Fl.(3)R. period 12s	23 7	4	White and red triangular tower; 13.	
GANDIA:							
5340 <i>E 0194</i>	-N. mole, head.	38° 59.8' N 0° 08.7' W	Fl.G. period 4s fl. 1s, ec. 3s	49 15	10	Green triangular concrete tower; 39.	
5348 <i>E 0196</i>	-S. mole, head.	38° 59.8' N 0° 09.1' W	Fl.(3)R. period 11s	16 5	2	Concrete column on red hut; 10.	
5352 <i>E 0197</i>	Cullera, N. jetty, head.	39° 09.1' N 0° 14.0' W	Fl.G. period 3s fl. 0.3s, ec. 2.7s	33 10	5	Green tower; 23.	
5356 <i>E 0197.2</i>	-S. jetty, head.	39° 09.0' N 0° 14.1' W	Fl.(2)R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	33 10	3	Red tower; 23.	
5360 <i>E 0198</i>	Cabo Cullera.	39° 11.2' N 0° 13.1' W	Fl.(3)W. period 20s fl. 0.3s, ec. 3.7s fl. 0.3s, ec. 3.7s fl. 0.3s, ec. 11.7s	92 28	25	White conical tower; 52.	Aeromarine light.
SPAIN-MEDITERRANEAN SEA							
5362 <i>E 0199</i>	El Perello, E. jetty, head.	39° 16.7' N 0° 16.2' W	Fl.(3)G. period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	26 8	4	Green tower; 10.	
5362.2 <i>E 0199.2</i>	-W. jetty, head.	39° 16.7' N 0° 16.3' W	Fl.(3)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 6.5s	23 7	4	Red tower; 16.	
SPAIN-MEDITERRANEAN SEA							
5364 <i>E 0209</i>	-Manises AVIATION LIGHT.	39° 29.6' N 0° 28.2' W	Al.FI.W.G. period 4s	213 65	15	Control tower; 49.	Occasional.
VALENCIA:							
5368 <i>E 0200</i>	-Dique del Norte.	39° 26.9' N 0° 18.1' W	Fl.(4+1)W. period 20s fl. 0.4s, ec. 1.8s fl. 0.4s, ec. 1.8s fl. 0.4s, ec. 1.8s fl. 0.4s, ec. 6.3s fl. 0.4s, ec. 6.3s	98 30	24	Pyramidal masonry tower, octagonal base; 72.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-MEDITERRANEAN SEA							
5372 <i>E 0200.4</i>	-Nuevo Dique del Este, head.	39° 26.0' N 0° 18.2' W	Fl.G. period 5s fl. 1s, ec. 4s	69 21	5	Round green post on white base; 30.	
5374 <i>E 0201.15</i>	-Muelle Darsena Sur, breakwater, head.	39° 26.1' N 0° 18.9' W	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	43 13	3	Red round tower; 13.	
5376 <i>E 0201.5</i>	-Nuevo Muelle Sur.	39° 26.4' N 0° 19.3' W	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	20 6	1	Green conical tower; 13.	
5380 <i>E 0201.2</i>	-Dique del Este, elbow.	39° 26.5' N 0° 18.6' W	Q.R.	16 5	1	Round tower; 10.	
5382 <i>E 0200.8</i>	--N. Central Pier.	39° 26.8' N 0° 18.3' W	Dir.Iso.W.R.G. period 4s	20 6	1	Yellow tower; 13.	G. 350°-353°, W. -005°, R. -008°.
5384 <i>E 0201.4</i>	--S. head.	39° 26.5' N 0° 18.7' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	3	White column, green top; 16.	
5388 <i>E 0202</i>	-Dique Del Sur, E. head.	39° 26.6' N 0° 19.0' W	Fl.(2+1)R. period 14.5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s fl. 0.5s, ec. 9s	33 10	3	Green column, red bands, on white base; 16.	
5400 <i>E 0203.4</i>	-Mulle de Levante, head.	39° 26.8' N 0° 18.9' W	Fl.(2+1)G. period 14.5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s fl. 0.5s, ec. 9s	20 6	3	Green tower, red band; 10.	
5404 <i>E 0204</i>	-Espigon No. "1", head, NE. corner.	39° 27.0' N 0° 19.2' W	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	20 6	1	Red masonry tower; 13.	
5408 <i>E 0204.2</i>	--SE. corner.	39° 26.9' N 0° 19.2' W	Oc.G. period 4s lt. 3s, ec. 1s	19 6	1	Green tower; 13.	
5412 <i>E 0205</i>	-Muelle de Poniente, head.	39° 27.3' N 0° 19.3' W	Fl.R. period 2s fl. 0.5s, ec. 1.5s	16 5	1	Red tower; 10.	
5416 <i>E 0207</i>	-Transversal de Poniente.	39° 27.4' N 0° 19.5' W	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	16 5	1	Red masonry tower; 10.	Lit when bridge is open. Synchronized with 5417.
5417 <i>E 0207.5</i>	--NW corner.	39° 27.5' N 0° 19.6' W	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s		1	Red support.	Lit when bridge is open. Synchronized with 5416.
5421.5 <i>E 0201.1</i>	-Contradique, S. head.	39° 25.4' N 0° 18.8' W	Q.(6)+L.Fl.W. period 15s	56 17	3	S. CARDINAL YB, tower, topmark; 13.	
5421.6 <i>E 0201.11</i>	--E. head.	39° 25.8' N 0° 18.6' W	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	69 21	3	Red column on white base; 30.	
5422 <i>E 0208.6</i>	-Nautical Club, E. Dique.	39° 25.5' N 0° 19.5' W	Fl.(2)G. period 7s	36 11	3	Green round tower; 13.	Fl.(3)G. shown on pier 200 meters WNW.
5423 <i>E 0208.65</i>	--Contradique.	39° 26.2' N 0° 19.9' W	Fl.(2)R. period 7s	26 8	2	Red post; 10.	Fl.(4)G. and Fl.(3)R. mark pier heads in harbor.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-MEDITERRANEAN SEA							
5424 E 0209.6	-Port Soplaya, S. head.	39° 30.6' N 0° 19.1' W	Fl.(4)R. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	26 8	4	White tower, red bands; 16.	
5424.5 E 0209.7	--NE. head.	39° 30.6' N 0° 19.0' W	Fl.G. period 4s fl. 0.5s, ec. 3.5s	30 9	4	White tower, green bands; 16.	
5425 E 0210	-Puerto Deportivo Puebla de Farnals.	39° 33.5' N 0° 17.0' W	Fl.(3)G. period 12.5s	30 9	5	Green tower; 16.	Fl.R. 3.5s shown from S. head of contradique.
SAGUNTO:							
5427 E 0210.75	-Breakwater, head.	39° 37.8' N 0° 12.3' W	Fl.G. period 5s	66 20	5	Green and white round column; 16.	
5431 E 0214.2	-Muelle Sur, head.	39° 38.8' N 0° 12.8' W	Fl.(4)R. period 11s	42 13	3	Red round masonry tower; 33.	
5432 E 0214	--Corner.	39° 38.8' N 0° 12.8' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	20 6	3	Concrete tower; 10.	
5440 E 0214.6	-Darsena Pesquera, breakwater, head.	39° 39.1' N 0° 12.7' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	20 6	1	Green truncated tower; 13.	
5442 E 0214.7	--Contradique, head.	39° 39.2' N 0° 12.6' W	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	20 6	1	Red truncated tower; 13.	
5448 E 0212.6	--Dolphin, 73 meters SE.	39° 38.7' N 0° 11.6' W	Q.(3)W. period 10s	39 12	5	E. CARDINAL BYB, post, topmark; 20.	
-Puerto de Siles:							
5449 E 0217	--Breakwater, head.	39° 40.4' N 0° 12.0' W	Fl.G. period 4s fl. 0.5s, ec. 4.5s	23 7	6	Green conical turret; 10.	
5449.5 E 0217.2	---Corner of breakwater.	39° 40.4' N 0° 12.0' W	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	13 4	3	Green conical turret; 7.	
5450 E 0217.4	--Contradique, S. head.	39° 40.4' N 0° 12.0' W	Fl.R. period 4s fl. 0.5s, ec. 3.5s	16 5	4	Red conical turret; 10.	
5450.5 E 0217.5	---N. head.	0° 00.0' 0° 00.0'	Fl.(2)R. period 5s fl. 0.5s, ec. 1s	13 4	3	Red conical turret.	
5452 E 0216	Cabo Canet.	39° 40.4' N 0° 12.2' W	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	108 33	23	Brick tower on white base, gray lantern; 98.	
5454 E 0218	Nules.	39° 49.7' N 0° 06.5' W	Oc.(2)W. period 11s	125 38	14	Square masonry tower; 118.	
5456 E 0219	-Dique de Levante, head.	39° 51.2' N 0° 04.1' W	Fl.(2)G. period 8s fl. 1s, ec. 1.5s fl. 1s, ec. 4.5s	39 12	5	Green tower; 26.	Q.(3)W. 3M marks end of sand retention jetty 0.3 mile NNE.
5460 E 0220	--Muelle Transversal, head.	39° 51.4' N 0° 04.2' W	Fl.(3)G. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	26 8	3	Green tower; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-MEDITERRANEAN SEA							
5464 E 0221	-Dique de Poniente, head.	39° 51.3' N 0° 04.2' W	Fl.(2)R. period 8s	33 10	3	Red structure on white hut; 26.	
REFINERIA DE CASTELLON:							
5476 E 0224	-Terminal platform.	39° 56.7' N 0° 01.6' E	Oc.(2)Y. period 14s lt. 8s, ec. 2s lt. 2s, ec. 2s	42 13	4	Yellow post; 20.	Siren: Mo.(U)
5478	-El Grao buoy.	39° 56.8' N 0° 05.6' E	L.Fl.W. period 10s fl. 3s, ec. 7s		7	SAFE WATER RW, pillar, topmark; 16.	
	-RACON		K(- • -)		7		
CASTELLON DE LA PLANA:							
5480 E 0226	-Muelle de Fluidos.	39° 58.2' N 0° 01.7' E	Oc.(2+1)W. period 10s lt. 3s, ec. 1s lt. 3s, ec. 1s lt. 1s, ec. 1s	105 32	14	White round tower; 91.	
5482 E 0226.1	--Dique de Levante, SW. head.	39° 57.7' N 0° 01.6' E	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	43 13	5	Green round tower; 33.	
5482.5 E 0226.15	---SE. head.	39° 57.6' N 0° 01.8' E	Q.(3)W. period 10s	20 6	3	Gray tower.	
5483 E 0226.5	-E. breakwater, N. corner.	39° 58.1' N 0° 01.9' E	Q.W.	23 7	5	N. CARDINAL BY, tower, topmark.	
5484 E 0229.3	-S. head.	39° 58.1' N 0° 01.2' E	Oc.G. period 5s	16 5	2	Green tower.	
5486 E 0229.4	-Slipway.	39° 58.1' N 0° 01.1' E	Fl.(3)R.	13 4	3	Red tower; 10.	
5488 E 0226.2	-Muelle Transversal, S. corner.	39° 58.2' N 0° 01.3' E	Fl.(4)G. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	20 6	3	Green tower; 13.	
5492 E 0226.4	--Center of S. face.	39° 58.3' N 0° 01.3' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	16 5	3	Green tower; 14.	
5496 E 0229.2	-Darsen Pesquera, entrance, W. side.	39° 58.1' N 0° 01.2' E	Fl.(2+1)R. period 12s	15 5	3	Red tower, green band; 14.	
5504 E 0222	Islas Columbretes.	39° 53.9' N 0° 41.2' E	Fl.(3+1)W. period 22s fl. 0.2s, ec. 2.6s fl. 0.2s, ec. 2.6s fl. 0.2s, ec. 8s fl. 0.2s, ec. 8s	279 85	21	White conical tower, dwelling; 67.	
	RACON		C(- • - •) period 70s		2		
5508 E 0222.2	-Punta Michorn.	39° 53.6' N 0° 41.2' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	160 49	4	White octagonal tower; 19.	
5512 E 0222.4	-Punta Norte.	39° 54.0' N 0° 41.2' E	Fl.(2)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 6.5s	219 67	4	White octagonal tower; 19.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-MEDITERRANEAN SEA							
5516 E 0230	Cabo de Oropesa.	40° 04.9' N 0° 09.0' E	Fl.(3)W. period 15s fl. 0.3s, ec. 2.7s fl. 0.3s, ec. 2.7s fl. 0.3s, ec. 8.7s	79 24	21	Tower, white dwelling; 43.	
5518 E 0231.6	Cabo de Irta.	40° 15.8' N 0° 18.2' E	Fl.(4)W. period 18s	108 33	14	Square tower on white building; 92.	Visible 195°-057°.
5519 E 0231	Puerto las Fuentes.	40° 14.9' N 0° 17.3' E	Oc.G. period 4s	20 6	4	Green concrete column; 7.	
5520 E 0232	Peniscola.	40° 21.5' N 0° 24.5' E	Fl.(2+1)W. period 15s fl. 0.4s, ec. 2.6s fl. 0.4s, ec. 5.6s fl. 0.4s, ec. 5.6s	183 56	23	Octagonal tower, white dwelling; 36.	Visible 184°-040°. Reserve light range 12M.
5524 E 0234.4	-Fish pier, head.	40° 21.2' N 0° 24.2' E	F.R.	23 7	3	Red column; 20.	
5528 E 0234	-E. breakwater.	40° 21.2' N 0° 24.2' E	Fl.G. period 4s fl. 1s, ec. 3s	49 15	4	Green column; 23.	
5532 E 0238	Benicarlo, on E. breakwater, head.	40° 24.6' N 0° 26.2' E	Fl.(2)G. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	43 13	5	Green tower; 16.	
5536 E 0239	-On S. breakwater, head.	40° 24.7' N 0° 26.1' E	Fl.(3)R. period 9s	26 8	3	Red octagonal tower; 13.	Fl.(2)R. 6s 3M shown from SE. corner.
5540 E 0239.4	-Fish pier, head.	40° 24.8' N 0° 26.0' E	Fl.(2+1)G. period 15s	24 7	3	Green round tower; 10.	
5544 E 0244	Vinaroz, E. mole, head.	40° 27.5' N 0° 28.6' E	Fl.G. period 5s fl. 1s, ec. 4s	46 14	8	Green round tower; 33.	
5548 E 0248	-Transverse mole, head.	40° 27.9' N 0° 28.6' E	Fl.(3)G. period 9s	26 8	3	Green round tower; 20.	
5552 E 0246	-W. mole, head.	40° 27.8' N 0° 28.6' E	Fl.R. period 5s fl. 1s, ec. 4s	23 7	4	Red octagonal tower; 10.	
5556 E 0370.3	-Darsena Departivo, Dique Sur, head.	40° 33.2' N 0° 32.0' E	Fl.(2)R. period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	26 8	4	Red truncated pyramidal tower; 13.	
5560 E 0370.35	--Contradique de Levante, head.	40° 33.2' N 0° 32.0' E	Fl.G. period 4s fl. 1s, ec. 3s	23 7	3	Green truncated pyramidal tower; 10.	
5564 E 0370.6	Cement wharf.	40° 34.4' N 0° 33.4' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	26 8	3	White tower, red top; 7.	
5565 E 0371	-Inner mole, head.	40° 34.4' N 0° 33.0' E	Fl.(2+1)G. period 14s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 4s fl. 0.5s, ec. 8s	26 8	2	Green square tower, red band; 10.	
PUERTO DE LOS ALFAQUES:							
5568 E 0370	-Punta de la Bana, 183 meters from extremity.	40° 33.6' N 0° 39.8' E	Fl.(2)W.R. period 12s fl. 1s, ec. 2s fl. 1s, ec. 8s	89 27	W. 12 R. 8	White round tower, black bands; 85.	W. 232°36'-199°24', R.-232°36'.
5572 E 0371.2	-Punta Corballera.	40° 34.2' N 0° 36.3' E	Fl.W.G. period 3s fl. 0.3s, ec. 2.7s	43 13	W. 6 G. 4	Black round truncated tower; 40.	G. 000°-180°, W.-000°.
5576 E 0373	San Carlos de la Rapita, Punta Sanieta.	40° 36.5' N 0° 35.2' E	Oc.(4)R. period 10s	33 10	11	White round tower; 22.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-MEDITERRANEAN SEA							
5580 <i>E 0374</i>	-Dique de Abrigo, head.	40° 36.6' N 0° 36.3' E	Fl.(2)R. period 8s fl. 1s, ec. 1.5s fl. 1s, ec. 4.5s	26 8	6	Red pyramidal tower, white base; 13.	F.R. at head of pier extending from root of Dique de Abrigo.
5584 <i>E 0374.2</i>	-Dique de Levante.	40° 36.9' N 0° 36.0' E	Fl.(3)G. period 10.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 4.5s	19 6	4	Green tower; 13.	
5588 <i>E 0374.4</i>	-Dique de Abrigo, extremity of spur.	40° 37.0' N 0° 35.9' E	Oc.R. period 4s lt. 3s, ec. 1s	16 5	2	Red tower; 13.	
5592 <i>E 0375</i>	Muelle de hierro.	40° 36.2' N 0° 41.4' E	Q.W.	26 8	3	N. CARDINAL BY, tower, topmark.	Visible 082°-229°.
5598 <i>E 0377</i>	Cabo Tortosa.	40° 43.0' N 0° 55.8' E	Fl.W.R. period 6s fl. 1s, ec. 5s	59 18	14	Black metal framework tower and platform, aluminum top, on piles; 59.	W. 122°-052°, R.-122°. Radar reflector.
	RACON		T(-)		15		
5599 <i>E 0376</i>	Rio Ebro.	40° 43.3' N 0° 51.6' E	Fl.(5)Y. period 7s fl. 0.3s, ec. 0.7s fl. 0.3s, ec. 0.7s fl. 0.3s, ec. 0.7s fl. 0.3s, ec. 0.7s fl. 0.3s, ec. 2.7s	43 13	3	SPECIAL Y, beacon, topmark; 36.	
5600 <i>E 0380</i>	Punta del Fungal.	40° 47.2' N 0° 46.2' E	Fl.(2+1)W.R. period 24s fl. 1s, ec. 1.5s fl. 1s, ec. 4.5s fl. 1s, ec. 15s	66 20	W. 12 R. 8	White round tower, red band; 59.	W. 019°24'-301°36', R.-019°24'.
5604 <i>E 0380.55</i>	-La Ampolla, breakwater, head.	40° 49.0' N 0° 43.0' E	Fl.R. period 5s fl. 1s, ec. 4s	13 4	3	Red truncated pyramidal tower; 10.	
5608 <i>E 0380.5</i>	-Jetty, head.	40° 48.7' N 0° 42.8' E	Fl.G. period 4s fl. 0.5s, ec. 3.5s	33 10	5	Green tower, white base; 13.	
5610 <i>E 0381</i>	Estany Gras, marina.	40° 52.2' N 0° 47.7' E	Fl.(3)G. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	46 14	3	Green pyramidal tower; 16.	
5612 <i>E 0381.5</i>	Ametlla del Mar, breakwater, head.	40° 52.7' N 0° 48.1' E	Fl.(4)G. period 12s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 7s	55 17	7	Square green metal tower on white hut; 30.	
5614 <i>E 0382.3</i>	Puerto Deportivo Calafat.	40° 55.7' N 0° 51.1' E	Fl.G. period 4s fl. 0.5s, ec. 3.5s	30 9	6	Green truncated pyramidal tower; 20.	
5614.5 <i>E 0382.4</i>	-Contradique.	40° 55.8' N 0° 51.1' E	Fl.(2)R. period 10s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 7.6s	16 5	4	Red tower; 13.	
5615 <i>E 0382.5</i>	Hospitalet del Infante, dique, SE. head.	40° 59.2' N 0° 55.9' E	I.Q.(4)G. period 10s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 6.5s	33 10	5	White truncated pyramid, green top; 16.	
5615.5 <i>E 0382.6</i>	-Contradique, head.	40° 59.4' N 0° 56.0' E	Fl.R. period 2s fl. 0.5s, ec. 1.5s	16 5	2	Red truncated tower, white base, 10.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-MEDITERRANEAN SEA							
5616 <i>E 0384</i>	Cambrils, W. mole, head.	41° 03.7' N 1° 03.6' E	Fl.(2)R. period 8s fl. 0.5s, ec. 2s fl. 0.5s, ec. 5s	43 13	5	Red cylindrical tower; 30.	
5620 <i>E 0383</i>	-E. mole, head.	41° 03.7' N 1° 03.6' E	Fl.G. period 4s fl. 1s, ec. 3s	50 15	5	Green square tower; 37.	
5624 <i>E 0385</i>	Embarcadero de Salou, dique de levante.	41° 04.3' N 1° 07.7' E	Fl.(2)G. period 8s fl. 1s, ec. 1.5s fl. 1s, ec. 4.5s	23 7	5	Green tower; 13.	
5628 <i>E 0385.5</i>	-Dique de poniente, head.	41° 04.4' N 1° 07.7' E	Fl.(2)R. period 8s fl. 1s, ec. 1.5s fl. 1s, ec. 4.5s	13 4	3	Red metal post; 7.	
5632 <i>E 0386</i>	Cabo de Salou.	41° 03.4' N 1° 10.4' E	Fl.(4)W. period 20s fl. 0.2s, ec. 3.1s fl. 0.2s, ec. 3.1s fl. 0.2s, ec. 3.1s fl. 0.2s, ec. 9.9s	141 43	23	White tower, red band, on white building; 36.	
5634 <i>E 0386.1</i>	Playa del la Pineda, S. pier, head.	41° 04.0' N 1° 11.0' E	Q.(3)W. period 10s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 7.5s	26 8	1	E. CARDINAL BYB, post, topmark; 20.	
5636 <i>E 0386.2</i>	LANBY, "Tanker".	41° 04.1' N 1° 13.2' E	Fl.(4)Y. period 20s		5	Yellow LANBY, yellow topmark; 36.	
TARRAGONA:							
5640 <i>E 0386.6</i>	-Playa de le Canonja, oil pier.	41° 04.9' N 1° 12.5' E	Fl.R. period 2.5s	36 11	7	Metal post; 13.	
5641 <i>E 0386.7</i>	-Muelle de Cantabria, elbow.	41° 05.2' N 1° 12.5' E	Q.(6)+L.Fl.W. period 15s	20 6	3	S. CARDINAL YB, beacon, topmark; 7.	
5641.2 <i>E 0386.72</i>	--Head.	41° 05.2' N 1° 12.8' E	Fl.(2)R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	26 8	5	Red post; 7.	
5641.5 <i>E 0386.71</i>	---SE. head.	41° 05.3' N 1° 12.7' E	Q.R.	7 2	1	Red post; 7.	
5643 <i>E 0386.8</i>	-Vehicle terminal, S. head.	41° 05.6' N 1° 12.7' E	Fl.(2+1)R. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 4.5s	23 7	1	Red post, green band; 13.	
5644 <i>E 0387</i>	-Pantalan ASES, Platform "A".	41° 05.7' N 1° 12.9' E	Fl.(4)R. period 12s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 5.2s	39 12	1	White round post; 13.	
5646 <i>E 0387.4</i>	--Platform "B".	41° 05.7' N 1° 13.0' E	Fl.R. period 5s fl. 1s, ec. 4s	30 9	1	White post, red square top; 3.	
5648 <i>E 0387.2</i>	--Platform "C".	41° 05.9' N 1° 13.0' E	Fl.(2)R. period 6s fl. 1s, ec. 1.5s fl. 1s, ec. 2.5s	30 9	1	White round post on gray hut, red square; 3.	
5650 <i>E 0393.4</i>	-Muelle Terquimsa, T-Jetty, NW. head	41° 06.1' N 1° 13.3' E	V.Q.(6)+L.Fl.W. period 10s	23 7	1	S. CARDINAL YB, tower, topmark; 16.	
5652 <i>E 0388</i>	-Dique de Levante.	41° 05.3' N 1° 13.6' E	Oc.W. period 3s lt. 2s, ec. 1s	89 27	1	Gray hexagonal tower above hut on pylons; 59.	F.R. lights on silo 550 meters ENE. and chimney 1.8 km. WNW.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-MEDITERRANEAN SEA							
5660 <i>E 0388.4</i>	-Muelle de Aragon.	41° 06.0' N 1° 14.1' E	Fl.(4)G. period 11s	23 7	3	Green post; 13.	
5662 <i>E 0388.2</i>	-Muelle de Cataluna, NE. corner.	41° 05.7' N 1° 13.7' E	Fl.(3)G. period 9s	26 8	1	Green post; 13.	
5664 <i>E 0393</i>	-Contradique, E. corner.	41° 06.0' N 1° 13.7' E	Fl.R. period 5s fl. 1s, ec. 4s	23 7	3	Red truncated tower; 16.	
5665 <i>E 0393.2</i>	--W. corner.	41° 06.0' N 1° 13.5' E	Fl.(2+1)R. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 4.5s	20 6	1	Red mast, green band; 10.	Obscured 165°-265°.
5668 <i>E 0392.6</i>	-Muelle de Castilla.	41° 06.1' N 1° 13.9' E	Fl.(2+1)R. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 4.5s	23 7	1	Red mast, green band; 13.	
5670 <i>E 0389</i>	-Muelle de Rioja, head.	41° 06.2' N 1° 14.2' E	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	1	Red metal post; 13.	
5676 <i>E 0392</i>	--SE. head.	41° 06.3' N 1° 14.5' E	Fl.(2+1)R. period 12s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 2.4s fl. 0.8s, ec. 6s	23 7	1	Red and green post; 15.	
5678 <i>E 0392.1</i>	-Lifting bridge, W. side, S. head.	41° 06.4' N 1° 14.6' E	Fl.R. period 2s fl. 0.5s, ec. 1.5s	13 4	1	Red post; 7.	Fl.R. 2s marks bridge N. side.
5679 <i>E 0392.12</i>	--E. side, S. head.	41° 06.3' N 1° 14.6' E	Fl.G. period 2s fl. 0.5s, ec. 1.5s	13 4	1	Green post; 7.	Fl.G. 2s marks bridge N. side. Fl.(2)G. 5s marks breakwater head NE.
5682 <i>E 0388.12</i>	E. breakwater, head.	41° 05.0' N 1° 13.2' E	Fl.G. period 5s fl. 1s, ec. 4s	72 22	10	Green round tower, truncated conical top; 36.	
5684 <i>E 0388.35</i>	-E. breakwater, spur, head.	41° 05.5' N 1° 13.5' E	Fl.(2)G. period 8s fl. 1s, ec. 2s fl. 1s, ec. 4s	19 6	3	Green post; 13.	Visible 037°-200°.
5689 <i>E 0392.3</i>	-Outer breakwater.	41° 06.3' N 1° 15.1' E	Fl.(2)G. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	23 7	5	Green post; 10.	
5690 <i>E 0392.33</i>	-Dique de Arigo.	41° 06.5' N 1° 15.2' E	Q.(3)W. period 10s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 7.5s	16 5	3	E. CARDINAL BYB, post, topmark; 3.	
5690.5 <i>E 0392.37</i>	-Martillo inner breakwater.	41° 06.4' N 1° 15.1' E	Fl.(3)G. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	10 3	1	Green post; 3.	
5691 <i>E 0392.4</i>	-Inner breakwater.	41° 06.4' N 1° 15.1' E	Fl.(2)R. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	13 4	3	Red post; 3.	
5691.3 <i>E 0393.6</i>	Altafulla Beach.	41° 07.8' N 1° 22.2' E	Q.(6)+L.Fl.W. period 15s	16 5	5	S. CARDINAL YB, beacon, topmark; 13.	
5691.5 <i>E 0393.7</i>	Torredembarra.	41° 07.9' N 1° 23.7' E	Fl.(5)W. period 30s fl. 0.2s, ec. 4.8s fl. 0.2s, ec. 4.8s fl. 0.2s, ec. 4.8s fl. 0.2s, ec. 4.8s fl. 0.2s, ec. 9.8s	190 58	19	White octagonal tower, copper dome; 125.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-MEDITERRANEAN SEA							
5691.6 <i>E 0393.8</i>	Cabo Gros, breakwater, head.	41° 08.0' N 1° 24.1' E	Q.(4)G. period 10s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 6.5s	33 10	5	Green post; 16.	
5691.7 <i>E 0393.85</i>	-Elbow.	41° 08.2' N 1° 24.2' E	Q.(3)W. period 10s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 7.5s	30 9	3	E. CARDINAL BYB, beacon. topmark; 10.	
SAN SALVADOR:							
5692 <i>E 0394</i>	-W. jetty, head.	41° 10.7' N 1° 31.0' E	Fl.(2)G. period 7s fl. 0.5s, ec. 1s fl. 0.5s, ec. 5s	23 7	5	Green post; 7.	
5696 <i>E 0394.2</i>	-Mole, W. elbow.	41° 10.4' N 1° 30.7' E	Q.(6)+L.Fl.W. period 15s	30 9	3	S. CARDINAL YB, tower, topmark; 13.	
5700 <i>E 0394.4</i>	-Mole, E. elbow.	41° 10.4' N 1° 30.8' E	V.Q.(6)+L.Fl.W. period 10s	30 9	3	S. CARDINAL YB, post, topmark; 13.	
5704 <i>E 0394.6</i>	-E. jetty, head.	41° 10.4' N 1° 30.8' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	23 7	5	Red post; 7.	
5705 <i>E 0394.8</i>	Puerto Segur de Calafell.	41° 11.4' N 1° 36.4' E	Fl.(4)G. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	26 8	5	Green tower; 13.	
5706 <i>E 0395</i>	Cunit.	41° 11.6' N 1° 39.4' E	Q.(6)+L.Fl.W. period 15s	16 5	5	S. CARDINAL YB, beacon, topmark; 10.	
5708 <i>E 0396</i>	Villanueva y Geltru.	41° 13.1' N 1° 44.5' E	Fl.(3)W. period 8s fl. 0.2s, ec. 1.5s fl. 0.2s, ec. 1.5s fl. 0.2s, ec. 4.4s	89 27	19	Truncated round tower, white dwelling, aluminum cupola; 69.	Visible 265°-070°.
5712 <i>E 0396.2</i>	-Dique de levante, head.	41° 12.3' N 1° 43.7' E	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	59 18	5	Green tower, white base; 36.	
5716 <i>E 0396.3</i>	-N. extremity.	41° 12.6' N 1° 44.0' E	Fl.(3)G. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	16 5	1	Green post; 10.	
5718 <i>E 0396.12</i>	-Nuevo contradique.	41° 12.6' N 1° 43.7' E	Fl.(2)R. period 7s fl. 0.5s, ec. 2s fl. 0.5s, ec. 4s	49 15	3	Red truncated pyramidal tower; 16.	
5720 <i>E 0396.14</i>	-Dique de poniente, head.	41° 12.6' N 1° 43.8' E	Fl.(3)R. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	30 9	1	Red truncated pyramidal tower; 10.	Visible 122°-032°.
5728 <i>E 0396.52</i>	-Espigou de la Pesca.	41° 12.8' N 1° 44.0' E	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	1	Red truncated tower; 10.	
5732 <i>E 0396.5</i>	-Espigou Transversal, head.	41° 12.7' N 1° 44.0' E	Fl.(2+1)R. period 21s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 13.5s	29 9	1	Red truncated tower, green band; 9.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-MEDITERRANEAN SEA							
5736 <i>E 0396.6</i>	Puerto de Vallcarca.	41° 14.1' N 1° 51.8' E	Fl.(4)G. period 13s	33	4	Green tower, white base; 13.	
5740 <i>E 0396.62</i>	Garraf, E. mole, head.	41° 14.8' N 1° 54.0' E	Fl.(3)G. period 9s	22	5	Green tower; 10.	
5744 <i>E 0396.64</i>	-W. mole, head.	41° 15.0' N 1° 54.1' E	Fl.(3)R. period 9s	13	3	Red tower; 10.	
5745 <i>E 0396.8</i>	Puerto deportivo de Vallbona, shelter dike, head.	41° 15.3' N 1° 55.2' E	Fl.(2)G. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	26	5	Green tower.	
5746 <i>E 0396.85</i>	-Contradike, head.	41° 15.5' N 1° 55.5' E	Fl.(2)R. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	16	3	Red tower; 10.	
5747 <i>E 0396.9</i>	-E. jetty, head.	41° 15.6' N 1° 55.9' E	Q.(6)+L.Fl.W. period 15s	16	4	S. CARDINAL YB, tower; 10.	
5748 <i>E 0397</i>	Muntados AVIATION LIGHT.	41° 18.3' N 2° 04.7' E	Fl.(2)W. period 4s	56			Occasional.
5750	<i>Barcelona Approach Buoy.</i>	41° 16.9' N 2° 10.9' E	Mo.(A)W. period 10s fl. 0.5s, ec. 0.5s fl. 1.5s, ec. 7.5s		7	SAFE WATER RW, pillar; 16.	
	RACON		B(- . . .)		8		
5752 <i>E 0398</i>	Rio Llobregat.	41° 19.5' N 2° 09.1' E	Fl.W. period 5s fl. 1s, ec. 4s	105	23	Tower on building, gallery with lantern; 102.	Visible 240°-030°.
5753 <i>E 0399</i>	-New river mouth, S. breakwater, head.	41° 17.6' N 2° 07.6' E	Q.(3)W. period 10s fl. 0.3s, ec. 0.7s fl. 0.3s, ec. 0.7s fl. 0.3s, ec. 7.7s	20	5	E. CARDINAL BYB, post, topmark.	
BARCELONA:							
5760 <i>E 0400</i>	-Montjuich.	41° 21.7' N 2° 10.0' E	Fl.(2)W. period 15s fl. 0.3s, ec. 3.4s fl. 0.3s, ec. 11s	354	26	Tower on building, round silver lantern; 42.	Visible 240°30'-066°36'.
5761 <i>E 0401.55</i>	-Entrance Channel, E. breakwater, head.	41° 19.0' N 2° 10.4' E	Fl.G. period 5s	46	7	Green tower on white base; 13.	Radar reflector.
5762 <i>E 0401.58</i>	-S. breakwater, elbow.	41° 18.7' N 2° 10.0' E	Fl.R. period 5s	23	7	Red tower on white base; 13.	
5763 <i>E 0401.7</i>	--Head.	41° 19.1' N 2° 09.9' E	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26	5	Red tower on white base; 13.	Radar reflector.
5766	-E. breakwater, elbow.	41° 19.6' N 2° 10.2' E	Fl.(2)G. period 7s	49	5		
-Dique del Este:							
5768 <i>E 0402</i>	--Inner T-Jetty, head.	41° 20.4' N 2° 10.3' E	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	29	3	Green post on masonry base; 16.	
5774 <i>E 0405</i>	-Nuevo Contradique, head.	41° 20.5' N 2° 10.1' E	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30	5	Red round tower, white band at base; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-MEDITERRANEAN SEA							
5776 E 0407.4	-Oil pier, head.	41° 20.8' N 2° 09.9' E	Fl.(2+1)R. period 21s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 13.5s	20 6	2	Red pillar, green band; 10.	
5780 E 0407.6	-New pier.	41° 20.9' N 2° 10.0' E	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	20 6	2	Red post on concrete base; 10.	
5784 E 0407.62	-Muelle Sur, N. corner.	41° 21.4' N 2° 10.4' E	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	20 6	2	Red post on concrete base; 10.	Port marked by numerous R. and G. lights.
5786 E 0434.591	-Dique de Abrigo, S. head.	41° 21.5' N 2° 11.1' E	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	43 13	5	Green post; 13.	
5788 E 0434.592	--W. end.	41° 21.5' N 2° 11.1' E	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	13 4	5	Green post; 13.	
5795 E 0434.4	-Industrial Dock, jetty, head.	41° 22.4' N 2° 11.2' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	16 5	2	Green post; 10.	
5796 E 0434.45	--W. head.	41° 22.4' N 2° 11.2' E	Fl.(2+1)G. period 21s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 13.5s	16 5	2	Green post, red band.	
5798 E 0434.59	-Breakwater, NE. corner.	41° 22.1' N 2° 11.5' E	Q.(3)W. period 10s fl. 0.3s, ec. 0.7s fl. 0.3s, ec. 0.7s fl. 0.3s, ec. 7.7s	20 6	5	E. CARDINAL BYB, beacon, topmark; 23.	
5800 E 0434.71	Puerto Olimpico, S. entrance.	41° 22.9' N 2° 11.9' E	Fl.(3)R. period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4.5s	20 6	3	Red post.	
5802 E 0434.72	-Breakwater.	41° 23.0' N 2° 12.1' E	Fl.(3)G. period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4.5s	20 6	5	Green post.	
5804 E 0434.73	-NE.	41° 23.1' N 2° 12.3' E	Q.(3)W. period 10s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 7.5s	20 6	5	E. CARDINAL BYB, beacon, topmark.	
5864 E 0437	-San Adrian de Besos, pier.	41° 26.4' N 2° 14.8' E	Fl.(4)Y. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	33 10	3	Yellow post;13.	
5868 E 0435	--Pier.	41° 25.1' N 2° 14.2' E	Q.(3)W. period 10s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 7.5s	36 11	3	E. CARDINAL BYB, post, topmark; 20.	
5870 E 0439.3	Dique de Levante.	41° 28.4' N 2° 18.7' E	Fl.(2)G. period 12s fl. 1s, ec. 2s fl. 1s, ec. 8s	33 10	5	Round tower on green hut; 23.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-MEDITERRANEAN SEA							
5872 <i>E 0439.35</i>	-Dique de Poniente, head.	41° 28.5' N 2° 18.7' E	Fl.(2)R. period 12s fl. 1s, ec. 2s fl. 1s, ec. 8s	10 3	3	Red round tower; 10.	
5874 <i>E 0439</i>	Masnou.	41° 28.5' N 2° 18.8' E	Fl.(3)G. period 10s	3 1	2	Square green tower; 3.	
5874.5 <i>E 0439.2</i>	-Darsena, E. head.	41° 28.6' N 2° 18.9' E	Fl.(3)R. period 10s	3 1	2	Red square tower; 3.	
5875 <i>E 0439.5</i>	Premia de mar.	41° 29.4' N 2° 22.0' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	20 6	5	Green post; 10.	Fl.R. 3s 3m 3M marks opposite breakwater.
5875.4 <i>E 0439.8</i>	Mataro harbor.	41° 31.6' N 2° 26.7' E	Fl.(4)G. period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	49 15	5	Green tower.	
5876 <i>E 0440</i>	El Balis, yacht basin.	41° 33.4' N 2° 30.6' E	Fl.(4)G. period 12s	13 4	2	Green tower; 7.	
5880 <i>E 0446</i>	-Dique de Colvario, head.	41° 34.6' N 2° 33.5' E	Fl.(2+1)R. period 21s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 13.5s	16 5	2	Red truncated tower, green band; 10.	
5884 <i>E 0446.5</i>	-Dique de Portinol, head.	41° 34.4' N 2° 33.4' E	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	5	Green square tower on white house; 16.	
5888 <i>E 0448</i>	Calella.	41° 36.4' N 2° 38.7' E	Fl.(3+2)W. period 20s fl. 0.3s, ec. 1.4s fl. 0.3s, ec. 1.4s fl. 0.3s, ec. 7.2s fl. 0.3s, ec. 1.4s fl. 0.3s, ec. 7.1s	164 50	18	White tower, glass cupola; 33.	Aeromarine light.
5891 <i>E 0452</i>	Puerto de Blanes, Dique de Abrigo, head.	41° 40.3' N 2° 47.7' E	Fl.G. period 3s	23 7	3	White masonry tower, green top; 10.	
5892 <i>E 0452.2</i>	Blanes, breakwater, head.	41° 40.3' N 2° 47.7' E	Fl.G. period 3s fl. 1s, ec. 2s	23 7	5	White metal tower, green top; 10.	
5893 <i>E 0452.08</i>	-Contradique, head.	41° 40.3' N 2° 47.8' E	Fl.R. period 3s fl. 1s, ec. 2s	23 7	3	White metal tower, red top; 13.	
5894 <i>E 0452.1</i>	-Breakwater, head.	41° 40.5' N 2° 48.0' E	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	20 6	2	Red post; 13.	
5895 <i>E 0452.7</i>	Canelles, Dique de Abrigo.	41° 42.2' N 2° 52.8' E	Fl.(4)G. period 11s fl. 0.3s, ec. 1.5s fl. 0.3s, ec. 1.5s fl. 0.3s, ec. 1.5s fl. 0.3s, ec. 5.3s	16 5	5	Green tower; 10.	
5896 <i>E 0453</i>	Cabo Tossa.	41° 42.8' N 2° 56.0' E	Fl.(3+1)W. period 20s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 7.3s fl. 0.2s, ec. 7.3s	197 60	21	White tower on square dwelling, with gray border; 36.	Visible 229°42'-064°12'.
SAN FELIU DE GUIXOLS:							
5900 <i>E 0456</i>	-Mole, head.	41° 46.5' N 3° 01.9' E	Fl.(3)G. period 9s	33 10	5	White tower, green top; 20.	Iso.W. 3s 4M and Oc.W. 3s 4M in line 343°, marks anchorage.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-MEDITERRANEAN SEA							
5912 <i>E 0459</i>	Playa de Aro.	41° 48.0' N 3° 03.8' E	Fl.(2)G. period 9s fl. 1.5s, ec. 2s fl. 1.5s, ec. 4s	20 6	5	Green metal column; 10.	
PALAMOS:							
5916 <i>E 0462</i>	-Punta del Molino.	41° 50.5' N 3° 07.8' E	Oc.(1+4)W. period 18s lt. 1.4s, ec. 1s lt. 1.4s, ec. 1s lt. 1.4s, ec. 1s lt. 4.4s, ec. 1s lt. 4.4s, ec. 1s	72 22	18	White masonry tower, lower part hexagonal, upper part round, gray cupola; 26.	
5920 <i>E 0460</i>	-Bajo Pereira (Llosa) on Palanos Reef.	41° 50.1' N 3° 07.2' E	Fl.(2)W. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	33 10	5	ISOLATED DANGER BRB, beacon, topmark.	
5924 <i>E 0464</i>	-Dique de Abrigo, head.	41° 50.5' N 3° 07.2' E	Fl.G. period 3s fl. 1s, ec. 2s	30 9	5	Spherical support, green triangular topmark point up; 20.	
5926 <i>E 0466.6</i>	-Darsena Pesquera, S. jetty, head.	41° 50.5' N 3° 07.5' E	Fl.(2)G. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	20 6	3	White column, green top; 13.	
5927 <i>E 0466.4</i>	--N. jetty, head.	41° 50.5' N 3° 07.5' E	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	20 6	3	White column, red top; 13.	
5928 <i>E 0466.7</i>	-Puerto Deportivo, breakwater.	41° 50.7' N 3° 08.2' E	Fl.(4)G. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 3.5s	36 11	5	Green tower; 26.	
5929 <i>E 0466.75</i>	--N. breakwater.	41° 50.8' N 3° 08.2' E	Fl.(4)R. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 3.5s	13 4	3	Red tower; 7.	
5930 <i>E 0466.8</i>	--Inner breakwater.	41° 50.8' N 3° 08.3' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	7 2	3	Green tower; 3.	
5932 <i>E 0467</i>	-Hormiga Grande, N. coast.	41° 51.7' N 3° 11.1' E	Fl.(3)W. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	46 14	6	White round tower; 19.	
5936 <i>E 0468</i>	-Llanfranch, shelter mole, head.	41° 53.5' N 3° 11.7' E	Fl.(3)G. period 11s	20 6	5	White metal column, green top; 7.	
5940 <i>E 0470</i>	Cabo de San Sebastian.	41° 53.9' N 3° 12.1' E	Fl.W. period 5s fl. 0.3s, ec. 4.7s	548 167	32	White round tower on white dwelling, red roof; 39.	Visible 197°-165°. Aeromarine light.
5942 <i>E 0471.2</i>	Punta del Mut.	41° 56.2' N 3° 13.0' E	Fl.(2)G. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	13 4	5	Green tower, white base; 10.	
5944 <i>E 0472</i>	Islas Medas, summit of Meda Grande.	42° 02.8' N 3° 13.2' E	Fl.(4)W. period 24s	285 87	14	Tower on brick building; 36.	
5948 <i>E 0474</i>	Estartit, mole, head.	42° 03.0' N 3° 12.2' E	Fl.(2)G. period 13s fl. 0.5s, ec. 3s fl. 0.5s, ec. 9s	13 4	3	White post, green top; 13.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-MEDITERRANEAN SEA							
5952 <i>E 0474.4</i>	-Contradique, head.	42° 07.1' N 3° 08.8' E	Fl.(2)R. period 13s fl. 0.5s, ec. 3s fl. 0.5s, ec. 9s	10 3	3	Red and white post.	
5956 <i>E 0475.4</i>	La Escala, la Clota, breakwater.	42° 07.1' N 3° 08.9' E	Fl.(4)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 2.5s	16 5	3	Green post; 10.	Visible 097°-008°.
5960 <i>E 0475.5</i>	Ampuriabrava, Dique de Poniente.	42° 14.6' N 3° 08.1' E	Fl.(3)G. period 7s	26 8	5	Green tower, white base; 13.	
5960.5 <i>E 0475.52</i>	-W. dike, head.	42° 14.6' N 3° 08.0' E	Fl.(3)R. period 7s	26 8	4	Red tower, white base; 13.	
5961 <i>E 0475.53</i>	-Transverse dike, head.	42° 14.7' N 3° 08.0' E	Fl.(4)R. period 8s	10 3	3	Red lantern on dike; 3.	
5961.5 <i>E 0475.54</i>	-Parallel dike.	42° 14.7' N 3° 08.0' E	Fl.(4)G. period 8s	13 4	3	Green tower, white base; 3.	
SANTA MARGARITA:							
5964 <i>E 0475.6</i>	-Dique de Abrigo.	42° 15.4' N 3° 09.0' E	Q.(2)G. period 4s	26 8	5	White tower, green top; 20.	
5968 <i>E 0475.7</i>	-Contradique.	42° 15.7' N 3° 09.0' E	Q.(2)R. period 4s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 2.5s	20 6	3	White tower, red top; 10.	
BAHIA DE ROSAS:							
5972 <i>E 0476</i>	-Punta de la Bateria.	42° 14.6' N 3° 10.9' E	Oc.(4)W. period 15s lt. 6s, ec. 1.5s lt. 1s, ec. 1.5s lt. 1s, ec. 1.5s lt. 1s, ec. 1.5s	79 24	12	White round tower, white dwelling; 36.	
5976 <i>E 0479</i>	-Muelle de Abrigo, head.	42° 15.0' N 3° 10.6' E	Fl.G. period 4s fl. 1s, ec. 3s	26 8	5	Green tower; 13.	
5980 <i>E 0480</i>	-Muelle comercial, head.	42° 15.3' N 3° 10.7' E	Fl.R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	20 6	1	Red tower; 13.	Visible 170°-125°.
5984 <i>E 0484</i>	Punta de Cala Nans, Cadaques, entrance, S. side.	42° 16.1' N 3° 17.1' E	Fl.(4+1)W. period 25s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 7.5s fl. 0.5s, ec. 7.5s	108 33	8	White round tower, dwelling; 23.	
5988 <i>E 0486</i>	Cabo de Creus.	42° 19.0' N 3° 18.9' E	Fl.(2)W. period 10s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 7.2s	285 87	20	White round tower, white dwelling, red roof; 36.	Aeromarine.
5992 <i>E 0488</i>	Puerto de la Selva Punta Sernella.	42° 20.9' N 3° 11.2' E	Fl.W. period 5s fl. 1s, ec. 4s	72 22	13	White square tower, white dwelling, red roof.	
5996 <i>E 0489</i>	-Punta Trench, mole, head.	42° 20.4' N 3° 11.9' E	Fl.(4)R. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 3s	20 6	5	Red tower, white base; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SPAIN-MEDITERRANEAN SEA							
6000 <i>E 0490</i>	Embarcadero de Culera, Dique de Levante, head.	42° 24.3' N 3° 09.3' E	Fl.(2)R. period 6s fl. 0.8s, ec. 0.8s fl. 0.8s, ec. 3.6s	23 7	5	Red tower, white base; 10.	
6004 <i>E 0490.4</i>	-Contradique, head.	42° 24.3' N 3° 09.3' E	Fl.(2)G. period 6s fl. 0.8s, ec. 0.8s fl. 0.8s, ec. 3.6s	16 5	3	Green tower, white base; 10.	

Section 5

Mediterranean Coast of France and Monaco

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-MEDITERRANEAN SEA							
6008 <i>E 0492</i>	Cap Cerbere.	42° 26.4' N 3° 10.6' E	Fl.W. period 4s fl. 0.1s, ec. 3.9s	180 55	15	Gray pyramid tower, red top; 33.	
6009 <i>E 0492.2</i>	-Sector.	42° 26.5' N 3° 10.2' E	Fl.(2)W.R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	39 12	W. 9 R. 6	Red structure; 3.	W. 202°-237°, R.-202°.
6012 <i>E 0493</i>	Banyuls, Ile Petite.	42° 28.9' N 3° 08.0' E	Fl.W.G. period 4s fl. 1s, ec. 3s	33 10	W. 10 G. 7	White pylon, green top; 26.	W. 193°-247°, G.-193°.
6016 <i>E 0495</i>	-Jetty, NE. head.	42° 28.9' N 3° 08.2' E	Oc.(2)R. period 6s	33 10		White pylon, red top; 20.	
6020 <i>E 0496</i>	Cap Bear.	42° 30.9' N 3° 08.2' E	Fl.(3)W. period 15s fl. 0.1s, ec. 2.9s fl. 0.1s, ec. 2.9s fl. 0.1s, ec. 8.9s	262 80	30	Red and gray pyramid tower; 88.	Visible 146°-056°.
PORT VENDRES:							
6024 <i>E 0498</i>	-Fort Fanal, entrance, W. side.	42° 31.3' N 3° 06.8' E	Oc.G. period 4s lt. 3s, ec. 1s	95 29	8	White square tower, dark green house; 59.	Visible 147°-264°.
6028 <i>E 0498.5</i>	-Fort Fanal beacon, about 50 meters ESE of fort.	42° 31.3' N 3° 06.9' E	Q.G.	29 9	7	White and green tower; 29.	
6032 <i>E 0506</i>	-Anse Gerbal, jetty, head.	42° 31.3' N 3° 06.8' E	Iso.G. period 4s	13 4	6	White post, green top; 10.	
6036 <i>E 0508</i>	-Pointe des Pilotes.	42° 31.2' N 3° 06.3' E	Fl.G. period 4s fl. 1s, ec. 3s	13 4	7	White metal column, green top; 10.	
6040 <i>E 0509</i>	-Pointe de la Presquile.	42° 31.1' N 3° 06.1' E	Fl.R. period 4s fl. 1s, ec. 3s	10 3	6	Red metal structure; 5.	
6044 <i>E 0504</i>	-Entrance, E. side, mole, head.	42° 31.4' N 3° 07.0' E	Oc.(3)R. period 12s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 1.5s lt. 4.5s, ec. 1.5s	65 20	11	White iron framework tower and dwelling, red cupola; 56.	Visible 110°-287°.
6048 <i>E 0497</i>	-Entrance Range, front.	42° 31.2' N 3° 06.8' E	Q.W.	39 12	10	Red support on white hut; 19.	
6052 <i>E 0497.1</i>	--Rear, about 200 meters 197°30' from front.	42° 31.0' N 3° 06.9' E	Dir.Q.W.	75 23	18	White tower, red top, red and white checkered; 36.	Intensified 196°-199°. Synchronized with front.
6056 <i>E 0512</i>	Collioure, jetty, head.	42° 31.7' N 3° 05.3' E	Iso.G. period 4s	46 14	8	White and green structure; 23.	Visible 135°-278°. A fishing light, 2 F.W. (horiz.), shown at S. Cyprien about 11 km. NNW.
6060 <i>E 0512.5</i>	-Argeles-sur-Mer, jetty, NE. head.	42° 32.7' N 3° 03.4' E	Fl.G. period 4s fl. 1s, ec. 3s	16 5	5	Green metal column; 7.	
6064 <i>E 0512.6</i>	--Jetty, SW. head.	42° 32.7' N 3° 03.0' E	Fl.R. period 4s fl. 1s, ec. 3s	30 9	4	White metal column with gallery, red top; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-MEDITERRANEAN SEA							
6068 <i>E 0513</i>	Saint Cyprien, S. jetty, head.	42° 37.2' N 3° 02.4' E	Fl.(4)R. period 15s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	39 12	9	Gray column, red top; 23.	North jetty pierhead marked by F.W. lights.
6072 <i>E 0514.5</i>	Canet-Plage.	42° 42.5' N 3° 02.3' E	Fl.(4)W. period 15s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	89 27	15	White structure; 79.	
6076 <i>E 0515</i>	-S. jetty, head.	42° 42.2' N 3° 02.6' E	Fl.(3)R. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	30 9	9	White column, red top; 20.	
6077 <i>E 0515.2</i>	-N. jetty, head.	42° 42.2' N 3° 02.4' E	Fl.(3)G. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	16 5	5	White pylon, green top; 10.	
6078 <i>E 0516</i>	Sainte-Marie-la-Mer, N. breakwater, head.	42° 43.4' N 3° 02.4' E	Fl.(5)G. period 20s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 9.5s	16 5	4	Gray post, green top; 10.	
6078.5 <i>E 0516.1</i>	-S. breakwater, head.	42° 43.4' N 3° 02.4' E	Fl.(5)R. period 20s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 9.5s	20 6	5	Gray post, red top; 10	
6080 <i>E 0514</i>	Perpignan-Riversaltes, AVIATION LIGHT.	42° 43.8' N 2° 52.6' E	Mo.(X)W. period 8.5s	190 58	33	Pylon; 46.	Occasional.
6084 <i>E 0517</i>	Grau S. Ange, S. jetty, head.	42° 47.9' N 3° 02.4' E	Fl.(2)R. period 10s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 6.8s	33 10	5	White column, red top; 23.	Fl.G. 2.5s marks N. jetty.
6088 <i>E 0518</i>	Cap Leucate.	42° 54.5' N 3° 03.3' E	Fl.(2)W. period 10s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 7.4s	216 66	20	White pyramidal tower, red top; 62.	
6092 <i>E 0517.6</i>	Leucate, E. jetty.	42° 52.4' N 3° 03.3' E	Fl.R. period 4s	26 8	6	White column, red top; 20.	
6096 <i>E 0517.7</i>	-W. jetty, head.	42° 52.5' N 3° 03.1' E	Fl.G. period 4s	26 8	6	White and green column; 20.	
6097 <i>E 0517.8</i>	-Pleasure harbor, entrance, S. coast.	42° 52.3' N 3° 03.1' E	Fl.R. period 2.5s fl. 0.5s, ec. 2s	10 3	2	Red tower; 7.	
6098 <i>E 0517.9</i>	--N. coast.	42° 52.3' N 3° 03.3' E	Fl.G. period 2.5s fl. 0.5s, ec. 2s	10 3	2	Green tower; 7.	
PORT-LA-NOUVELLE:							
6100 <i>E 0522</i>	-S. jetty, head, Range, front.	43° 00.8' N 3° 04.2' E	Q.W.	75 23	14	White tower, red top; 59.	
6100.1 <i>E 0522.1</i>	--Rear, 3530 meters 292°24' from front.	43° 01.3' N 3° 01.8' E	Q.W.	174 53	17	Tower.	
6104 <i>E 0524</i>	-N. jetty, head.	43° 00.8' N 3° 04.2' E	Iso.G. period 4s	49 15	6	White round tower, green top; 39.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-MEDITERRANEAN SEA							
CANAL DU GRAZEL:							
6106 <i>E 0525</i>	-S. jetty, head.	43° 05.7' N 3° 06.7' E	Fl.R. period 4s fl. 1s, ec. 3s	20 6	4	White post, red top; 13.	
6106.5 <i>E 0525.2</i>	--N. jetty, head.	43° 05.7' N 3° 06.7' E	Oc.(2)G. period 6s lt. 1s, ec. 1s lt. 3s, ec. 1s	20 6	3	White post, green top; 13.	
6107 <i>E 0526</i>	Gruissan.	43° 06.6' N 3° 07.9' E	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	39 12	6	Green mast, red top; 26.	
PORT-LA-NOUVELLE:							
6108 <i>E 0529</i>	-Port de Valras, SW. jetty, head.	43° 14.7' N 3° 18.0' E	Fl.(4)W. period 15s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	30 9	9	Metal structure, red top; 20.	
6112 <i>E 0528</i>	-NE. jetty, head.	43° 14.8' N 3° 18.0' E	Fl.G. period 4s fl. 1s, ec. 3s	30 9	6	Square gallery on white metal column, green top; 16.	
6113 <i>E 0527.2</i>	Bassin des Exals.	43° 10.4' N 3° 10.9' E	Fl.(3)W. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	79 24	15	Gray metal tower; 33.	Visible 220°-040°.
6114 <i>E 0527.5</i>	Port of Narbonne-Plage, N. jetty.	43° 10.4' N 3° 11.0' E	Fl.G. period 4s	23 7	1	Green post; 13.	
6115 <i>E 0527.52</i>	-S. jetty.	43° 10.4' N 3° 11.0' E	Fl.R. period 4s	23 7	4	Red tower; 13.	
6120 <i>E 0526.2</i>	-N. jetty, head.	43° 06.7' N 3° 07.9' E	Fl.G. period 4s fl. 1s, ec. 3s	36 11	7	White pylon, green top; 30.	
6122 <i>E 0527.7</i>	Embouchure de l'Aude, E. dike, head.	43° 12.7' N 3° 14.6' E	Fl.(2)G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	33 10	8	Round aluminum structure; 20.	
6122.5 <i>E 0527.8</i>	-W. dike, head.	43° 12.7' N 3° 14.4' E	Fl.R. period 4s fl. 1s, ec. 3s	23 7	5	Aluminum tripod; 13.	
6123 <i>E 0527.65</i>	Mimosa.	43° 13.3' N 3° 15.6' E	Q.(3)W. period 10s		4	E. CARDINAL BYB, beacon, topmark.	Marks stranded wreck.
HERAULT:							
6124 <i>E 0535</i>	-E. jetty, head.	43° 17.0' N 3° 27.0' E	Oc.G. period 4s lt. 3s, ec. 1s	46 14	7	White masonry tower, upper part green; 36.	F.R. lights are shown from 2 radio masts about 3 km. ENE. Horn: 1 bl. ev. 10s (bl. 5s, si. 5s).
6128 <i>E 0534</i>	-W. jetty, head.	43° 16.8' N 3° 26.6' E	Oc.(2)R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	46 14	7	White masonry tower, upper part red; 36.	
6132 <i>E 0535.4</i>	-La Lauze Beacon, Cap d'Agde.	43° 16.0' N 3° 30.5' E	Fl.G. period 4s fl. 1s, ec. 3s	33 10	5	White tower, green top; 33.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-MEDITERRANEAN SEA							
6136 <i>E 0538</i>	Ile de Brescou, S. of Fort Brescou.	43° 15.8' N 3° 30.1' E	Fl.(2)W.R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	72 22	W. 13 R. 10	White round tower, red top; 46.	R. 113°-190°, W.-113°. 2 F.R. on radio masts 1.9M NW.
6140 <i>E 0536</i>	Rade de Brescou, Agde, E. jetty.	43° 16.1' N 3° 30.4' E	Iso.G. period 4s	26 8	9	Green and white support; 16.	
6144 <i>E 0536.2</i>	-W. jetty.	43° 16.1' N 3° 30.3' E	Fl.R. period 4s fl. 1s, ec. 3s	26 8	5	White tower, red top; 16.	
PORT AMBONNE:							
6148 <i>E 0540</i>	-NE. jetty, head.	43° 17.5' N 3° 31.8' E	Fl.(2)G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s		4	Round mast, green top; 10.	
6152 <i>E 0539</i>	-SW. jetty, head.	43° 17.5' N 3° 31.8' E	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	30 9	6	White column, red top; 23.	
6154 <i>E 0542</i>	-W. jetty, head.	43° 19.0' N 3° 33.7' E	Fl.R. period 4s fl. 1s, ec. 3s	23 7	8	White column, red top.	
6162 <i>E 0545</i>	Port des Quilles.	43° 23.5' N 3° 39.9' E	Fl.(3)G. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	26 8	5		Fl.(3)R. 12s 4M and Fl.G. 2.5s 1M mark head of jetties.
SETE:							
6164 <i>E 0544</i>	-Mont de Sete (Mont St. Clair).	43° 23.7' N 3° 41.4' E	Fl.W. period 5s fl. 0.1s, ec. 4.9s	305 93	29	White octagonal tower, dark green top; 75.	W. (unintensified) 013°-104°, W.-013°.
6168	-Approach buoy.	43° 15.0' N 3° 54.0' E	Iso.W. period 4s			SAFE WATER RW, pillar, topmark.	Whistle. Radar reflector.
6180 <i>E 0546</i>	-Mole Saint-Louis.	43° 23.9' N 3° 42.3' E	Fl.(4)W.R. period 15s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	112 34	W. 15 R. 11	White truncated tower, red lantern; 98.	W. 014°-054°, R.-014°.
6184 <i>E 0552</i>	--S. jetty.	43° 23.7' N 3° 42.2' E	Oc.R. period 4s lt. 3s, ec. 1s	33 10	7	Triangular support, red round topmark; 23.	
6188 <i>E 0551</i>	-Epi Dellon, W. jetty, head.	43° 23.6' N 3° 42.1' E	Oc.G. period 4s lt. 3s, ec. 1s	33 10	6	Green tower; 23.	
6192 <i>E 0550</i>	--E. breakwater, center.	43° 23.8' N 3° 42.6' E	Fl.(3)R. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	49 15	7	White octagonal tower, red top and base, 26.	Visible 063°-253°.
6196 <i>E 0547</i>	-E. breakwater, center.	43° 23.9' N 3° 43.0' E	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	69 21	10	White tower, upper part red; 69.	Visible 080°-268°.
6200 <i>E 0547.5</i>	--E. extremity.	43° 23.9' N 3° 43.8' E	Iso.R. period 4s	66 20	11	White pylon, red top; 23.	
6204 <i>E 0547.7</i>	-Digue E.	43° 24.2' N 3° 43.6' E	Iso.G. period 4s	33 10		White pylon, green top.	
6212 <i>E 0548</i>	--W. jetty, head.	43° 24.0' N 3° 42.9' E	Fl.(3)G. period 12s	10 3	5	White tower, green top; 10.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-MEDITERRANEAN SEA							
6216 <i>E 0557.2</i>	Frontignan, E. dike, head.	43° 25.2' N 3° 44.9' E	Fl.(3)G. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	49 15	7	Concrete structure; 26.	S. dike marked by Fl.(3)R. 12s 6M (head) and Fl.(2)W.G. 6s 6-4M (W. side).
6221 <i>E 0558</i>	--W. dike, head.	43° 25.8' N 3° 46.6' E	Fl.R. period 4s fl. 1s, ec. 3s	30 9	6	Metal column, red top; 23.	
6222 <i>E 0558.2</i>	--E. dike, head.	43° 25.8' N 3° 46.7' E	Fl.G. period 4s fl. 1s, ec. 3s	30 9	9	Metal column, green top; 23.	
6224 <i>E 0556</i>	--W. mole, head.	43° 24.0' N 3° 42.2' E	Q.R.	23 7	6	White column, red top; 16.	Visible within Frontignan Jetty.
6228 <i>E 0557</i>	--E. mole, head.	43° 24.0' N 3° 42.3' E	Q.G.	20 6	8	White column, green top; 13.	Visible within Frontignan Jetty.
6232 <i>E 0555</i>	--Mole Masselin.	43° 24.0' N 3° 42.3' E	Fl.(4)G. period 15s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	26 8	4	White column, green top; 23.	
ETANG DE THAU:							
6236 <i>E 0560</i>	-Canal de Sete, N. entrance, E. side.	43° 24.9' N 3° 41.5' E	Q.G.	26 8	5	White column green top; 23.	
6240 <i>E 0561</i>	---W. side.	43° 24.9' N 3° 41.4' E	Q.R.	26 8	6	White column, red top; 23.	
6241 <i>E 0561.5</i>	-Pointe du Barrou.	43° 25.5' N 3° 40.4' E	Q.W.	20 6	6	N. CARDINAL BY, beacon, topmark; 26.	
6244 <i>E 0562</i>	-Rocher de Roquerols.	43° 25.8' N 3° 40.4' E	Fl.(2)W.R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	20 6	W. 9 R. 6	Tower, red and black bands, red ball topmark; 20.	W. 137°-078°, R.-137°.
SETE:							
6248 <i>E 0566</i>	-Meze, E. jetty, head.	43° 25.3' N 3° 36.4' E	Fl.G. period 4s fl. 1s, ec. 3s	26 8	6	White octagonal pyramidal structure, green top; 23.	
GOLFE D'AIGUES-MORTES:							
6260 <i>E 0579</i>	-Montpellier Frejorge, AVIATION LIGHT.	43° 34.7' N 3° 57.1' E	Mo.(Y)W. period 12.5s	52 16		Control tower; 66.	Occasional.
6264 <i>E 0577</i>	-Palavas les Flots, E. jetty.	43° 31.6' N 3° 56.1' E	Fl.(2)G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	23 7	4	Metal mast; 13.	
6268 <i>E 0576</i>	--W. jetty.	43° 31.6' N 3° 56.1' E	Fl.R. period 4s fl. 1s, ec. 3s	30 9	4	Metal mast; 13.	
6269 <i>E 0577.4</i>	--Le Lez.	43° 31.7' N 3° 56.1' E	Fl.R. period 2.5s fl. 0.5s, ec. 2s	26 8	2	White tower, red top; 3.	Obscured 270°-090°.
6270 <i>E 0577.5</i>	---Breakwater, head.	43° 31.7' N 3° 56.0' E	Fl.G. period 2.5s fl. 0.5s, ec. 2s	26 8	5	White tower, green top; 19.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-MEDITERRANEAN SEA							
6272 <i>E 0578</i>	-Carnon, SW. jetty.	43° 32.4' N 3° 58.6' E	Fl.(4)R. period 15s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	29 9	7	Red and white column; 20.	Fl.G. 4s on E. jetty.
6276 <i>E 0580</i>	-La Grande Motte, Digue Ouest.	43° 33.1' N 4° 04.9' E	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	39 12	7	Red lantern on wall; 39.	
6280 <i>E 0578.2</i>	--Digue Est.	43° 32.5' N 3° 58.7' E	Fl.G. period 4s fl. 1s, ec. 3s	26 8	5	White tower, green top; 20.	
-Gau du Roi (Aigues-Mortes):							
6284 <i>E 0582</i>	--E. jetty, head.	43° 32.1' N 4° 07.9' E	Fl.(3)G. period 15s fl. 0.1s, ec. 2.9s fl. 0.1s, ec. 2.9s fl. 0.1s, ec. 8.9s	33 10	10	White tower, green top, name in white; 30.	
-Port Camargue (Espiguette):							
6288 <i>E 0582.2</i>	--W. jetty, head.	43° 32.1' N 4° 07.9' E	Oc.(2)R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	30 9	7	White tower base, top red; 30.	
6292 <i>E 0583</i>	--Digue d'arret, (spur of S. jetty), head.	43° 31.3' N 4° 07.4' E	V.Q.(9)W. period 10s	30 9	9	W. CARDINAL Beacon; 23.	
6296 <i>E 0583.2</i>	--W. jetty, head.	43° 31.3' N 4° 07.3' E	Fl.G. period 4s fl. 1s, ec. 3s	30 9	9	White column, green top; 23.	
6300 <i>E 0583.4</i>	--E. jetty, head.	43° 31.3' N 4° 07.4' E	Fl.R. period 4s fl. 1s, ec. 3s	26 8	6	White column, red top; 19.	
6304 <i>E 0584.2</i>	--Entrance, W. head.	43° 30.6' N 4° 07.1' E	Oc.G. period 4s lt. 3s, ec. 1s	23 7	4	White structure, green top; 10.	Visible 059°-345°.
6308 <i>E 0584.4</i>	--E. head.	43° 30.6' N 4° 07.0' E	Oc.R. period 4s lt. 3s, ec. 1s		4	White structure, red top; 10.	Visible 063°-345°.
6312	-SW. Whistle Buoy.	43° 29.1' N 4° 06.5' E	V.Q.(9)W. period 10s			W. CARDINAL YBY, pillar, topmark.	Whistle. Radar reflector.
6316 <i>E 0584</i>	-Channel S. Digue d'arret, head.	43° 30.6' N 4° 06.7' E	Q.(9)W. period 15s	33 10	7	W. CARDINAL YBY, dolphin, topmark; 23.	
6320 <i>E 0586</i>	Pointe de L'Espiguette.	43° 29.3' N 4° 08.5' E	Fl.(3)W. period 15s fl. 0.1s, ec. 2.9s fl. 0.1s, ec. 2.9s fl. 0.1s, ec. 8.9s	89 27	24	White square tower, upper part black; 89.	
6330 <i>E 0590</i>	Port Gardian W. levee, head.	43° 26.8' N 4° 25.4' E	Fl.R. period 4s fl. 1s, ec. 3s	29 9	7	White structure, red top; 16.	Visible 117°-075°.
6331 <i>E 0590.2</i>	-E. levee, head.	43° 26.8' N 4° 25.4' E	Fl.G. period 2.5s fl. 0.5s, ec. 2s	26 8	2	Green tower; 13.	Visible 140°-326°.
6340	<i>Approach Buoy, Saintes Maries-de-la-Mer.</i>	43° 23.0' N 4° 26.0' E	Iso.W. period 4s			SAFE WATER RW, pillar, topmark.	Radar reflector.
GOLFE DES SAINTES-MARIES:							
6344 <i>E 0594</i>	-Pointe du Sablom.	43° 21.9' N 4° 35.1' E	Fl.(2)R. period 10s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 7.4s	85 26	18	White square tower, dwelling, black lantern; 89.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-MEDITERRANEAN SEA							
6348 E 0592	-La Gacholle, gulf, N. side.	43° 27.3' N 4° 34.2' E	Fl.W.R.G. period 4s fl. 1s, ec. 3s	57 17	W. 12 R. 9 G. 9	White square tower, black top, white lantern and dwelling; 59.	G. 300°-019°, W.-065°, R.- 085°, obsc.-300°.
6352	-Beauduc Buoy.	43° 21.0' N 4° 34.0' E	V.Q.(9)W. period 10s			W. CARDINAL YBY, pillar, topmark.	Radar reflector.
6356 E 0600	Etang de Faraman.	43° 21.4' N 4° 41.3' E	Fl.(2)W. period 10s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 7.4s	135 41	23	White masonry tower, black bands; 141.	
RHONE RIVER ENTRANCE:							
6360 E 0600.2	-Faraman Whistle Buoy.	43° 19.0' N 4° 39.0' E	Q.(6)+L.Fl.W. period 15s			S. CARDINAL YB, pillar, topmark.	Whistle. Radar reflector.
6364	-Piemanson Buoy.	43° 19.0' N 4° 45.0' E	V.Q.(6)+L.Fl.W. period 10s			S. CARDINAL YB, pillar, topmark.	Radar reflector.
6368	-Roustan Buoy.	43° 19.0' N 4° 51.0' E	Q.(6)+L.Fl.W. period 15s			S. CARDINAL YB, pillar, topmark.	Whistle. Radar reflector.
GOLFE DE FOS:							
6392 E 0601	-Omega Approach Buoy.	43° 12.0' N 5° 01.8' E	Iso.W. period 4s			SAFE WATER RW, pillar, topmark.	Whistle. Radar reflector.
-RACON		O(— — —)					
6396 E 0604	-Port de Fos, Entrance Range, front.	43° 24.4' N 4° 52.1' E	Q.W.	36 11	14	Gray pylon, two horizontal red square daymarks; 33.	Intensified 3° each side of range line.
6400 E 0604.1	--Rear, 500 meters 287° from front.	43° 24.5' N 4° 51.7' E	Q.W.	95 29	14	Gray pylon, two vertical red square daymarks; 92.	Intensified 3° each side of range line. Synchronized with front.
6404 E 0603	-Port-St.-Louis-du-Rhone.	43° 23.1' N 4° 48.3' E	Dir.Q.W.	49 15	19	Gray square tower, gray lantern; 69.	Intensified 262°-265°.
6406	-Buoy "GE".	43° 23.2' N 4° 55.5' E	V.Q.(3)W. period 5s			E. CARDINAL BYB, pillar, topmark.	Channel marked by R. and G. lighted port and starboard buoys and beacons. Radar reflector.
RACON							
6408 E 0602	-Canal de St. Louis, S. jetty.	43° 23.4' N 4° 52.3' E	Q.W.R.	47 14	W. 11 R. 8	White tower, red top; 39.	W. 072°-267°30', R.-072°.
6412 E 0602.1	--No. "1".	43° 23.4' N 4° 51.0' E	Fl.G. period 4s fl. 1s, ec. 3s	26 8	7	Dark green pylon; 23.	Visible 264°-144°.
6416 E 0602.2	--No. "2".	43° 23.3' N 4° 51.0' E	Fl.R. period 4s fl. 1s, ec. 3s	26 8	7	Red pylon; 23.	Visible 024°-264°.
6420 E 0602.3	--No. "3".	43° 23.3' N 4° 50.7' E	Fl.(2)G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	26 8	2	White post, dark green top; 20.	
6424 E 0602.33	--No. "3" bis.	43° 23.3' N 4° 50.2' E	Q.G.	26 8	5	White post, dark green top; 23.	
6428 E 0602.32	--No. "4".	43° 23.2' N 4° 50.6' E	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	26 8	5	White post, red top; 20.	
6432 E 0602.34	--No. "5".	43° 23.3' N 4° 49.9' E	Iso.G. period 4s	26 8	1	White post, dark green top; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-MEDITERRANEAN SEA							
6436 <i>E 0602.36</i>	--No. "6".	43° 23.3' N 4° 50.2' E	Oc.(2)R. period 6s lt. 1s, ec. 1s lt. 3s, ec. 1s	26 8	3	White post, red top; 20.	
6440 <i>E 0602.6</i>	--No. "8".	43° 23.1' N 4° 48.6' E	Oc.R. period 4s lt. 3s, ec. 1s	26 8	6	Red pylon; 23.	Visible 080°-268°.
6450 <i>E 0605</i>	-Post "1".	43° 25.0' N 4° 53.1' E	Fl.G. period 4s fl. 1s, ec. 3s	20 6	5	Dark green post; 17.	
6452 <i>E 0605.2</i>	-Basin No. "1".	43° 26.1' N 4° 52.3' E	Dir.Oc.W.R.G. period 4s lt. 3s, ec. 1s	82 25	W. 15 R. 12 G. 12	Column; 72.	G. 333°-339°, W.-341°, R.-344°.
6454 <i>E 0604.5</i>	-Basin No. "4", NE. corner.	43° 25.1' N 4° 53.8' E	Q.(6)+L.Fl.W. period 15s	26 8	8	S. CARDINAL YB, beacon, topmark.	
6456 <i>E 0606.8</i>	-Pointe de S. Gervais.	43° 25.7' N 4° 56.4' E	I.Q.(7)W.R.G. period 12s	148 45	W. 25 R. 21 G. 21	Gray tower, green top; 154.	G. 323°-340°, W.-348°, R.-007°, obsc.-323°.
6460 <i>E 0606.9</i>	--Yacht Harbor, S. breakwater, head.	43° 25.6' N 4° 56.4' E	Fl.G. period 4s fl. 1s, ec. 3s	22 7	5	White pylon, green top; 16.	
6464 <i>E 0606.2</i>	-Istres, Le Tube AVIATION LIGHT.	43° 31.2' N 4° 57.1' E	Mo.(F)W. period 4s	193 59	23	Water tower; 101.	
6468 <i>E 0607</i>	-Port de Bouc, tower fort.	43° 23.7' N 4° 59.2' E	Oc.(2)W.R.G. period 6s lt. 1s, ec. 1s lt. 3s, ec. 1s	98 30	W. 12 R. 9 G. 9	Square tower, gray turret, white lantern, red gallery; 92.	G. 321°-343°, W.-040°, R.-087°, W.-112°, R.-140°, R. (unintensified)-230°, obsc.-321°.
6472 <i>E 0607.2</i>	-Saint Antoine.	43° 23.7' N 4° 59.1' E	Fl.Vi. period 5s fl. 0.4s, ec. 4.6s	26 8	11	White column, green top; 20.	Reserve light Iso.Vi. 4s 10M.
6480 <i>E 0608</i>	-N. jetty, head.	43° 23.8' N 4° 59.1' E	V.Q.(2)R.	46 14	6	White tower, red top; 30.	Fl.(2)R. 6s 3m 8M at head of dike about 200 meters NW. Iso.G. 4s on breakwater 600 meters NNE.
6484 <i>E 0609.5</i>	-Bassin des Caboteurs, mole, head.	43° 23.7' N 4° 59.3' E	Fl.(2)G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	16 5	6	White pylon, dark green top; 13.	
6488 <i>E 0609</i>	-Entrance Range, front.	43° 24.2' N 4° 59.6' E	Q.R.	36 11	11	Red pylon, white rectangular daymark, red stripe; 36.	Intensified 027°-047°.
6492 <i>E 0609.1</i>	--Rear, about 167 meters 037° from front.	43° 24.4' N 4° 59.8' E	Q.R.	52 16	15	Red pylon, white rectangular daymark, orange stripe; 43.	Intensified 026°-048°.
6496 <i>E 0609.4</i>	-Entrance Range, front.	43° 24.2' N 4° 59.4' E	F.R.	36 11	12	White pylon, red top, black rectangular daymark, yellow stripe; 36.	Intensified 020°-040°.
6500 <i>E 0609.41</i>	--Rear, about 184 meters 030° from front.	43° 24.4' N 4° 59.6' E	F.R.	56 17	12	White pylon, white rectangular daymark, yellow stripe; 36.	Intensified 019°-041°.
-Channel from Port de Bouc to Martigues:							
6504 <i>E 0610</i>	--Entrance, N. side.	43° 24.3' N 5° 00.1' E	Q.R.	30 9	3	Red post; 33.	Canal marked by R. and G. lights.
GOLFE DE FOS:							
6508 <i>E 0610.2</i>	--Entrance, S. side.	43° 24.2' N 5° 00.0' E	Q.G.	16 5	4	Dark green and white lantern on gray dolphin; 13.	
6512 <i>E 0610.5</i>	--Turning basin, SW. corner.	43° 24.1' N 5° 01.2' E	Q.W.	16 5	6	N. CARDINAL BY, on dolphin; 13.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-MEDITERRANEAN SEA							
6516 <i>E 0610.6</i>	--Turning basin, SE. corner.	43° 24.1' N 5° 01.5' E	Q.(9)W. period 15s	16 5	6	W. CARDINAL YBY, on dolphin; 13.	Central and southern viaduct piles are illuminated.
6520 <i>E 0611</i>	-Port de la Mede, Trois Freres.	43° 24.3' N 5° 07.1' E	Fl.G. period 4s	66 20	7	White tower, dark green top; 7.	F.R. and F.G. lights along embankment. Beacon V.Q. 2100 meters W.
6522 <i>E 0616.8</i>	-Les Heures Claires, breakwater, head.	43° 29.9' N 5° 00.0' E	Iso.G. period 4s		5		
6524 <i>E 0615</i>	-Pointe de Berre, jetty, head.	43° 27.6' N 5° 08.6' E	Fl.(4)W.R. period 15s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	39 12	W. R.	9 6	White column, red lantern; 33. W. 012°-057°, R.-012°.
6526 <i>E 0615.4</i>	-Port de Berre-l'Etange, W. dike.	43° 28.3' N 5° 10.2' E	Fl.R. period 4s	13 4	4	Hut; 7.	
6528 <i>E 0617</i>	Anse de Laurons, jetty, head.	43° 21.3' N 5° 01.0' E	Fl.W.R. period 4s	23 7	W. R.	9 6	White column, red top; 20. W. 000°-110°, R.-000°.
6540 <i>E 0620</i>	Carro, jetty, head.	43° 19.8' N 5° 02.6' E	Fl.W.R. period 4s fl. 1s, ec. 3s	26 8	W. R.	9 6	White column, red top; 13. W. 322°-355°, R.-322°.
6544 <i>E 0622</i>	Cap Couronne.	43° 19.6' N 5° 03.3' E	Fl.R. period 3s fl. 0.1s, ec. 2.9s	111 34	20	White tower, red top; 102.	Reserve light range 13M.
6548 <i>E 0624</i>	Sausset-Les-Pins, on SW. jetty.	43° 19.8' N 5° 06.5' E	Fl.(3)R. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	33 10	5	Truncated tower; 23.	
6549 <i>E 0624.7</i>	Carry-Le-Rouet, E. mole, head.	43° 19.8' N 5° 09.2' E	V.Q.G.	30 9	5	Green mast; 20.	
6550 <i>E 0624.8</i>	-Pain de Sucre.	43° 19.6' N 5° 09.1' E	Fl.R. period 2.5s fl. 0.5s, ec. 2s	23 7	5	White truncated beacon, red lantern; 16.	
6552 <i>E 0625.3</i>	Ilot Eveline, E. of Cap Mejean.	43° 19.8' N 5° 14.2' E	Q.(6)+L.Fl.W. period 15s	92 28	10	S. CARDINAL YB, tower, name in black; 16.	
6556 <i>E 0625.6</i>	Pointe Esquilladou.	43° 21.0' N 5° 16.7' E	Fl.(4)W.R. period 15s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	144 44	W. R.	10 7	White column, red top; 13. R. 233°-263°, W.-041°, obsc.- 233°.
6560 <i>E 0628</i>	-Port de la Lave, outer mole, head.	43° 21.6' N 5° 18.3' E	Fl.R. period 4s fl. 1s, ec. 3s	36 11	4	White tower, red top; 36.	Aeronautical obstruction lights, Fl.R. 3s 2 miles and 2.2 miles NW.
6564 <i>E 0630</i>	-Passe de l'Estaque, entrance to Marseille Rhone Canal, mole, head.	43° 21.5' N 5° 18.8' E	Q.R.	36 11	3	White column, red top; 26.	
6568 <i>E 0631</i>	-Drydock No. "10", NW. breakwater, head.	43° 21.3' N 5° 18.8' E	V.Q.(2)W.	66 20	17	Red and white pylon; 56.	
MARSEILLE, NORTH ENTRANCE:							
6572 <i>E 0634</i>	-Digue Exterieur, N. head.	43° 20.9' N 5° 19.1' E	Fl.G. period 5s fl. 0.3s, ec. 4.7s	49 15	18	White tripod, green top marked "Marseille Nord"; 39.	
6576	-Buoy No. "1", Avant Port Nord, entrance, S. side.	43° 21.0' N 5° 19.0' E	Q.W.			N. CARDINAL BY, topmark.	
6580 <i>E 0635</i>	-Digue de Saumaty, head.	43° 20.9' N 5° 19.2' E	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	39 12	8	White tower, red top; 26.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-MEDITERRANEAN SEA							
6584 <i>E 0635.4</i>	-Passe de Saumaty, jetty, head.	43° 21.2' N 5° 19.6' E	Fl.(3)G. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	23 7	6	Green column on dolphin; 16.	
6588 <i>E 0637</i>	-Passe Leon Gourret, jetty, head, NE. side.	43° 20.7' N 5° 19.7' E	Iso.R. period 4s	32 10	6	Red tank; 26.	
6592 <i>E 0636</i>	--Jetty, head, SW. side.	43° 20.6' N 5° 19.6' E	Iso.G. period 4s	36 11	7	White round column, green top; 30.	Visible 125°-307°.
6596 <i>E 0637.6</i>	-Pass Mirabeau, N. side on jetty, head.	43° 20.9' N 5° 19.8' E	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	26 8	6	White column, red top; 20.	
6600 <i>E 0637.2</i>	--S. side, on jetty, head.	43° 20.8' N 5° 19.8' E	Fl.(2)G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	26 8	6	Green pylon on hut; 20.	Visible 103°-300°.
6604 <i>E 0642</i>	-Passe du Cap Janet, Mole Est.	43° 20.2' N 5° 20.6' E	Fl.R. period 4s fl. 1s, ec. 3s	26 8	6	White column, red top; 20.	
6608 <i>E 0643</i>	--Mole Ouest.	43° 20.1' N 5° 20.5' E	Fl.G. period 4s fl. 1s, ec. 3s	26 8	6	White column, green top; 20.	Visible 136°-327°.
6612 <i>E 0646</i>	-Passe de la Madrague, E. side.	43° 19.8' N 5° 20.9' E	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	26 8	7	White column, red top; 23.	
6616 <i>E 0644</i>	--W. side.	43° 19.7' N 5° 20.8' E	Fl.(2)G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	26 8	7	White column, dark green top; 23.	Visible 149°-322°.
MARSEILLE, SOUTH ENTRANCE:							
6620 <i>E 0654</i>	-Digue des Catalans, NW. head.	43° 17.5' N 5° 20.8' E	Fl.(3)G. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	23 7	6	White pylon, green top; 30.	Radar reflector.
6624 <i>E 0656</i>	-Digue Saint Marie, SW. head.	43° 17.8' N 5° 21.2' E	V.Q.(2)R.	65 20	12	White pylon, red top; 66.	
6628 <i>E 0660</i>	-Pointe de la Desirade (Le Pharo).	43° 17.7' N 5° 21.3' E	Fl.G. period 4s fl. 1s, ec. 3s	43 13	9	White tower, green top; 49.	Visible 003°-271°.
6632 <i>E 0657</i>	-Passe de la Joilette, Digue Sainte Marie, root.	43° 18.0' N 5° 21.6' E	Oc.(3)R. period 12s lt. 4.5s, ec. 1.5s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 1.5s	23 7	7	Red iron tower; 23.	Visible 195°-060°30'.
6633 <i>E 0655</i>	-Digue du Large, S.	43° 18.3' N 5° 21.6' E	Fl.R. period 2.5s fl. 0.5s, ec. 2s			PORT (A) R, beacon, topmark.	
6634 <i>E 0655.5</i>	--N.	43° 18.5' N 5° 21.7' E	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s			Beacon.	
6636 <i>E 0662</i>	-Digue du Fort Saint-Jean, head.	43° 17.9' N 5° 21.6' E	Oc.(3)G. period 12s lt. 4.5s, ec. 1.5s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 1.5s	23 7	7	Green tower; 23.	Visible 001°30'-299°. Unintensified 001°30'-009°, 277°-299°.
6640 <i>E 0664</i>	-Fort St. Jean, Vieux Port, entrance, N. side.	43° 17.7' N 5° 21.7' E	Q.R.	36 11	5	Red pylon; 23.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-MEDITERRANEAN SEA							
6644 <i>E 0666</i>	-Fort St. Nicolas, Vieux Port, entrance, S. side.	43° 17.6' N 5° 21.8' E	Iso.G. period 4s	26 8	1	White column, dark green top; 20.	
6648 <i>E 0667</i>	-Tunnel, W.	43° 17.6' N 5° 21.8' E	Fl.G. period 4s fl. 1s, ec. 3s	16 5	3	White tank, dark green top on black dolphin, name in white; 13.	
6652 <i>E 0668</i>	--E..	43° 17.6' N 5° 21.9' E	Fl.(3)G. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	16 5	3	White tank, dark green top on black dolphin, name in white; 13.	
6656 <i>E 0674</i>	Banc de Sourdaras, ENE. of Ile d'If.	43° 17.0' N 5° 20.3' E	Q.(9)W. period 15s	46 14	8	W. CARDINAL YBY, pillar, topmark; 56.	
6660 <i>E 0676</i>	Chateau d'If, S. approach to Marseille, E. point.	43° 16.8' N 5° 19.7' E	Fl.(2)W. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	89 27	11	Tower on square base, red top; 56.	Obscured by Tiboulon Island on bearings W. of 001° and by Frioul Islands (Pomegues and Ratoneau) 054°-152°.
6664 <i>E 0678</i>	Port du Frioul, mole, head.	43° 16.7' N 5° 18.7' E	Iso.G. period 4s	23 7	4	Platform on tank on white base with green top; 16.	
6668 <i>E 0677</i>	Ile Ratoneau.	43° 16.8' N 5° 17.3' E	Fl.(3)G. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	112 34	7	White columns, green top; 13.	Obscured 242°-276° and 279°-002°.
6672 <i>E 0679</i>	Cap Caveaux, Ile Pomegues.	43° 15.7' N 5° 17.4' E	Iso.W. period 4s	92 28	7	White support, black top; 7.	Obscured 144°-228°.
6676 <i>E 0682</i>	Pointe Rouge, breakwater, head.	43° 14.8' N 5° 21.8' E	Fl.(2)G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	33 10	6	White tower, green top; 23.	
6678 <i>E 0682.5</i>	Port de la Madrague.	43° 14.0' N 5° 21.2' E	Fl.(3)G. period 12s		3	White metal pylon, green top; 13.	
6680 <i>E 0684</i>	Ile Tiboulon.	43° 12.8' N 5° 19.6' E	Fl.W.G. period 4s fl. 1s, ec. 3s	190 58	W. 11 G. 8	White support, black top; 26.	W. 327°-142°, G.-shore, obsc.-316°, G.-327°.
6684 <i>E 0683</i>	Les Goudes, W. jetty, head.	43° 13.1' N 5° 20.7' E	Iso.G. period 4s	26 8	2	White metal pyramid, green top; 16.	
6688 <i>E 0680</i>	Ile du Planier.	43° 11.9' N 5° 13.9' E	Fl.W. period 5s fl. 0.1s, ec. 4.9s	223 68	23	White tower; 216.	Obscured by Riou Island shore-284°.
6692 <i>E 0685</i>	Ilot Les Empereurs.	43° 10.2' N 5° 23.7' E	Q.(6)+L.Fl.W.R. period 15s	59 18	W. 6 R. 4	White mast; 7.	W. 228°-105°, R.-112°, obsc.-222°, R.-228°.
6696 <i>E 0687</i>	Cassis, S. of Fort des Leques, entrance, W. side.	43° 12.8' N 5° 32.0' E	Fl.R. period 4s fl. 1s, ec. 3s	36 11	6	Truncated red metal tower; 26.	Visible 248°-068°.
6700 <i>E 0686</i>	-Mole, head.	43° 12.8' N 5° 32.1' E	Oc.(2)G. period 6s lt. 1s, ec. 1s lt. 3s, ec. 1s	56 17	6	White tower, green top; 56.	Fl.(2)R. 6s marks head of breakwater in Port du Prado 1.2 miles NNE.
6704 <i>E 0690</i>	Banc de la Cassidaigne.	43° 08.7' N 5° 32.8' E	Fl.(2)W. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	75 23	7	ISOLATED DANGER BRB, tower, topmark; 79.	
6708 <i>E 0694</i>	Ciotat, Mole Berouard, entrance, W. side.	43° 10.4' N 5° 36.7' E	Iso.G. period 4s	49 15	11	White iron skeleton tower, green lantern; 49.	Unintensified 134°30'-228°30'.
6712 <i>E 0693.3</i>	-Pier, head.	43° 10.5' N 5° 36.7' E	Fl.(3)R. period 12s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 7s	69 21	6	White tower, red top; 59.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-MEDITERRANEAN SEA							
6716 <i>E 0693</i>	-La Ciotat, jetty, head.	43° 10.4' N 5° 37.0' E	Fl.R. period 4s fl. 1s, ec. 3s	59 18	5	White metal tower, red top; 49.	
6720 <i>E 0695</i>	-Yacht basin, S. breakwater, head.	43° 10.5' N 5° 36.8' E	Fl.G. period 4s fl. 1s, ec. 3s	26 8	7	White tower, green top; 16.	
6724 <i>E 0697</i>	-Bassin de Capucins, entrance, E. side.	43° 10.7' N 5° 36.9' E	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	23 7	8	White tower, red top; 13.	
6732 <i>E 0698.2</i>	Les Leques, S. breakwater, SW. head.	43° 10.7' N 5° 40.8' E	Iso.G. period 4s	33 10	9	White pillar, green top; 23.	
6736 <i>E 0698</i>	-Elbow.	43° 10.8' N 5° 41.1' E	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	26 8	7	Red tower on gray and white base; 16.	
6740 <i>E 0698.4</i>	-Contra jetty, head.	43° 10.8' N 5° 40.9' E	Q.R.	10 3	6	Red tower; 7.	
6742 <i>E 0699</i>	Les Beaumelles, E. jetty, head.	43° 10.1' N 5° 41.7' E	Fl.(4)G period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	26 8	4		
6744 <i>E 0700</i>	Port Bandol.	43° 08.0' N 5° 45.5' E	Oc.(4)W.R. period 12s lt. 5s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s	30 9	W. 13 R. 10	White pylon, red top; 26.	R. 003°-351°, W.-003°.
6748 <i>E 0701</i>	-Jetee Est, head.	43° 08.0' N 5° 45.4' E	Fl.G. period 4s fl. 1s, ec. 3s	7 2	6	Green metal mast; 3.	
6752 <i>E 0702</i>	Ile de Bandol, Port Abri, E. jetty, head.	43° 07.8' N 5° 45.2' E	Oc.R. period 4s lt. 3s, ec. 1s	16 5	7	White tower, red top; 16.	
6756 <i>E 0702.4</i>	-W. jetty, head.	43° 07.8' N 5° 45.2' E	Fl.(2)G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	10 3	6	Green column; 7.	
6760 <i>E 0710</i>	Ile de Grand Rouveau.	43° 04.9' N 5° 46.1' E	Oc.(2)W. period 6s lt. 1s, ec. 1s lt. 3s, ec. 1s	148 45	15	White square tower, black lantern; 56.	Obscured by Ile des Embiez 255°-317°. Unintensified 225°-297°.
6764 <i>E 0704</i>	Sanary-sur-Mer, W. jetty, head.	43° 06.9' N 5° 48.1' E	Fl.R. period 4s fl. 1s, ec. 3s	29 9	10	White truncated tower, red top; 30.	Obscured on bearings northward of 069°.
6768 <i>E 0706</i>	Port de la Couduriere, W. mole, head.	43° 05.8' N 5° 48.7' E	Fl.(3)R. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	30 9	6	Red metal structure; 16.	
6772 <i>E 0708</i>	Le Brusq, NE. jetty, head.	43° 04.6' N 5° 48.2' E	Iso.G. period 4s	10 3	6	Green pylon; 10.	
6776 <i>E 0709</i>	-Jetty, head.	43° 04.6' N 5° 48.2' E	Oc.(3)W.R. period 12s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 1.5s lt. 4.5s, ec. 1.5s	33 10	W. 9 R. 6	Red pylon; 26.	W. 156°-166°, R.-156°.
6776.5 <i>E 0709.65</i>	-Entrance.	43° 04.8' N 5° 47.2' E	Dir.Oc.W.R.G. period 4s	10 3	W. 9 R. 7 G. 7	White square hut; 10.	G. 198°30'-207°, W.-213°, R.- 221°30', obsc.-198°30'.
6778 <i>E 0709.75</i>	--Port des Jeunes.	43° 05.0' N 5° 47.0' E	Iso.R. period 4s	7 2	4	Gray pedestal; 3.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-MEDITERRANEAN SEA							
6780 E 0709.4	Ile de la Tour Fondue, N. extremity.	43° 04.9' N 5° 47.1' E	Fl.(4)W.R. period 15s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	20 6	W. 8 R. 6	White square tower, red top; 13.	W. 132°-275°, R.-132°.
6784 E 0709.6	Ile des Embiez, port, N. side of entrance, jetty, head.	43° 04.9' N 5° 47.1' E	Fl.G. period 4s fl. 1s, ec. 3s	16 5	6	Green pylon; 13.	
6786 E 0709.8	Gueyrouard Rock, SE. of Pit-Gaou.	43° 04.1' N 5° 48.1' E	Fl.R.				Occasional.
6788 E 0713	Cap Sicie.	43° 02.9' N 5° 51.6' E	Fl.(2)W. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	154 47	9	White post; 10.	Partially obscured. 2 F.R. lights on radio tower 1.3 km. NW.
6792 E 0712	-Port St. Elme, jetty, head.	43° 04.5' N 5° 53.9' E	Fl.G. period 4s fl. 1s, ec. 3s	30 9	7	Dark green pylon; 23.	
6796 E 0714	-Cap Cepet, (Pointe Rascas).	43° 04.2' N 5° 56.8' E	Fl.(3)W. period 15s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 8.8s	249 76	20	White square tower, black lantern on house with red roof; 46.	
TOULON:							
6808	-Approach buoy.	43° 05.0' N 5° 57.6' E	Fl.(3)Y. period 12s			SPECIAL Y, pillar, topmark.	
6820 E 0716	-St. Mandrier, jetty, head.	43° 05.2' N 5° 56.1' E	Fl.(2)R. period 10s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 7.2s	56 17	9	White tower, red top, black base; 46.	Obscured by shore N. of 301°.
6822 E 0717.8	-Ecole de mecaniciens, N. dike, head.	43° 05.0' N 5° 55.8' E	Fl.(2)G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	13 4	5	Metal mast; 16.	Visible 298°-225°.
6824 E 0719.5	-Anse du Creux-Saint-Georges, W. jetty, head.	43° 04.8' N 5° 55.5' E	Fl.G. period 4s fl. 1s, ec. 3s	16 5	5	White structure, green top; 13.	
6828 E 0719	-Pointe de la Vieille, pier, head.	43° 05.1' N 5° 55.3' E	Q.R.	43 13	5	White column, red top; 16.	
6832 E 0717	-Grand Jetty, S. head.	43° 05.4' N 5° 55.5' E	Fl.G. period 2.5s	42 13	11	White tower, black top; 30.	Visible 186°-165°.
6834 E 0741.8	-Appontement de Tamaris.	43° 05.5' N 5° 54.1' E	Dir.Oc.(4)W.R.G. period 12s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 5s, ec. 1s	10 3	8	Metal post; 10.	G. 338°30'-351°30', W.-353°30', R.-006°30'.
6835 E 0741.6	-Terre-Plein.	43° 05.0' N 5° 54.0' E	Fl.(3)R. period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	13 4	2	White structure, red top; 13.	
6835.1 E 0741.7	-Embarcadere des Sablettes.	43° 04.8' N 5° 53.8' E	Q.W.	10 3	8	N. CARDINAL BY, beacon tower, topmark; 13.	
6835.5 E 0741.2	-Pontoon, head.	43° 04.9' N 5° 54.4' E	Fl.R. period 2.5s fl. 0.5s, ec. 2s		2	White support, red top; 7.	
6836 E 0720	-Petite Passe, jetty, S. head.	43° 06.1' N 5° 55.6' E	Iso.R.G. period 4s	69 21	R. 10 G. 10	White square building; 72.	G. 266°-275°, R.-294°, G.-145°, obscured elsewhere. 4 F.R. (vert.) lights are shown from a radar tower about 350 meters NE.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-MEDITERRANEAN SEA							
6837 E 0721	-Ecueil.	43° 06.2' N 5° 55.4' E	V.Q.(9)W. period 10s	10 3	3	W. CARDINAL YBY, beacon, topmark; 13.	
6840 E 0742	-Port du Mourillon, breakwater.	43° 06.4' N 5° 56.2' E	Oc.(2)G. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	33 10	7	Green column on white hut; 30.	
6844 E 0729	-Darse Vielle, entrance, W. side.	43° 07.1' N 5° 55.8' E	Q.R.	23 7	7	Red pylon; 30.	
6848 E 0730	--Entrance, E. side.	43° 07.1' N 5° 55.8' E	Q.G.	26 8	7	White pylon, green lantern; 30.	Obscured 280°-000° over shoals.
6849 E 0732	--S.	43° 07.1' N 5° 55.8' E	Q.G.	7 2	2	White low wall, green triangular daymark.	
6852 E 0726	-Port du Commerce, N. side of entrance, S. angle of pier.	42° 07.0' N 5° 55.8' E	Oc.(2)R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	23 7	6	Red pylon; 20.	
6856 E 0727	--Entrance, S. side.	43° 06.9' N 5° 55.9' E	Iso.G. period 4s	56 17	7	Dark green structure; 23.	
6860 E 0734	-Graving dock, SW. corner.	43° 06.9' N 5° 55.4' E	Fl.(4)G. period 15s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	7 2	6	Green structure; 3.	Visible 261°-091°. 3 white floodlights on quay.
6864 E 0739	-Darse de Missiessy Range, front.	43° 07.2' N 5° 54.7' E	Dir.F.Vi.	30 9	3	White pylon, purple bands, white topmark; 30.	Intensified 349°-354°.
6868 E 0739.1	--Rear, about 210 meters 351°36' from front.	43° 07.4' N 5° 54.7' E	Dir.F.Vi.	52 16	3	White pylon, purple bands, white topmark; 30.	Intensified 349°-354°.
6872 E 0740	--Entrance, W. side.	43° 07.0' N 5° 54.7' E	Iso.R. period 4s	13 4	5	Red pylon; 20.	
6876 E 0740.2	--Entrance, E. side.	43° 07.0' N 5° 54.7' E	Iso.G. period 4s	13 4	5	Dark green pylon; 20.	
6880 E 0740.4	-Bregailon.	43° 06.5' N 5° 53.6' E	Fl.(3)G. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	7 2	1	Green structure on dolphin; 39.	
6884 E 0741	-La Seyne, N. side of entrance to basin.	43° 06.2' N 5° 53.0' E	Fl.G. period 4s fl. 1s, ec. 3s	20 6	10	Green column; 20.	
6888 E 0744	Les Salettes, jetty, head.	43° 05.2' N 6° 04.8' E	Oc.(4)W.R. period 12s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 5s, ec. 1s	42 13	W. 10 R. 7	Red pylon; 26.	R. 005°-356°, W.-005°.
6892 E 0746	Port du Niel, breakwater, head.	43° 02.1' N 6° 07.7' E	Fl.R. period 4s fl. 1s, ec. 3s	16 5	6	White structure, red top; 7.	Visible 298°-028°.
6896 E 0748	Ile Grand Ribaud.	43° 01.0' N 6° 08.7' E	Fl.(4)W. period 15s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	115 35	15	White tower and dwelling, black lantern; 52.	Obscured when bearing more than 108°, 124°-222°, when bearing less than 233°, and 262°-324°.
6900 E 0749	La Tour Fondue, jetty, head.	43° 01.7' N 6° 09.3' E	Iso.G. period 4s	23 7	8	Gray structure, green top; 16.	
ILE DE PORQUEROLLES:							
6904 E 0750	-Ecuels de la Jeaune Gard.	43° 00.5' N 6° 09.6' E	Q.W.R.	52 16	W. 6 R. 4	N. CARDINAL BY, beacon, topmark; 59.	W. 011°-253°, R.-282°, W.-316°, R.-011°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-MEDITERRANEAN SEA							
6908 <i>E 0751</i>	Cap-d'Arme.	42° 59.0' N 6° 12.4' E	Fl.(2)W. period 10s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 7.3s	262 80	29	White square tower, black top; 66.	Visible 142°-204°, 243°-252° and 266°-119°.
6912 <i>E 0752</i>	-Port de Porquerolles, new jetty, head.	43° 00.3' N 6° 12.0' E	Oc.(2)W.R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	26 8	W. 13 R. 10	White column, red top; 20.	W. 150°-230°, R.-150°.
6916 <i>E 0753</i>	Le Capte, E. jetty, head.	43° 04.0' N 6° 09.2' E	Fl.G. period 2s fl. 0.4s, ec. 1.6s	7 2	1	Green structure; 7.	
LA PLAGE:							
6920 <i>E 0754</i>	-NE. jetty, entrance, E. side.	43° 04.8' N 6° 09.8' E	Fl.G. period 4s fl. 1s, ec. 3s	29 9	10	Green tower; 23.	
6924 <i>E 0754.2</i>	-W. jetty, head.	43° 04.7' N 6° 09.5' E	Oc.R. period 4s lt. 3s, ec. 1s	29 9	7	Gray tower, red lantern; 23.	
6928 <i>E 0754.6</i>	-New basin, E. jetty, head.	43° 05.1' N 6° 09.7' E	Iso.G. period 4s	26 8	10	Gray column, green top; 16.	
6932 <i>E 0754.7</i>	--Inner jetty, S. head.	43° 05.0' N 6° 09.7' E	Q.(6)+L.Fl.W. period 15s	26 8	9	S. CARDINAL YB, column; 75.	
6936 <i>E 0754.8</i>	--N. head.	43° 05.1' N 6° 09.6' E	Fl.R. period 4s fl. 1s, ec. 3s	5 2	5	Gray structure, red top; 3.	
6940 <i>E 0755.6</i>	Ceinturon, jetty, head.	43° 06.1' N 6° 10.5' E	Fl.(2)G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	19 6	6	Green structure; 13.	
6944 <i>E 0756</i>	Les Salins (Port Pothuau), E. jetty, head.	43° 06.9' N 6° 12.1' E	Oc.(3)W.G. period 12s lt. 4.5s, ec. 1.5s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 1.5s	30 9	W. 13 G. 10	Dark green pylon; 26.	G. 260°-285°, W.-012°, G.- 060°.
6948 <i>E 0757</i>	-W. jetty.	43° 06.9' N 6° 12.1' E	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	20 6	6	Red structure; 20.	
6952 <i>E 0759</i>	Miramar, jetty, S. head.	43° 06.9' N 6° 14.8' E	Iso.G. period 4s	26 8	8	White pylon, green top; 20.	
6956 <i>E 0764</i>	Cap Benat.	43° 05.3' N 6° 21.8' E	Fl.R. period 5s fl. 0.2s, ec. 4.8s	198 60	21	White tower, red lantern; 52.	Obscured 096°-207°, 288°- 327°, 330°-001°, 042°- 060°. Reserve light Fl.R. 6s visible 176°-118°.
6960 <i>E 0765.4</i>	Le Pradet, jetty, head.	43° 05.5' N 6° 22.0' E	Fl.R. period 2s fl. 0.4s, ec. 1.6s	13 4	1	Red pylon; 7.	Occasional.
6964 <i>E 0765</i>	Bormes-Pes-Mimosas, E. jetty, head.	43° 07.5' N 6° 22.0' E	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	33 10	10	White pylon, red top; 23.	Fl.R. 2s shown at N. end of wharf of Capitainerie.
6968 <i>E 0766</i>	Le Lavandouj, E. jetty.	43° 08.2' N 6° 22.5' E	Iso.W.G. period 4s	26 8	W. 13 G. 10	Green column, white base; 26.	W. 266°-317°, G.-332°, W.- 358°, G.-266°.
6972 <i>E 0765.3</i>	La Fourmiquie, rock.	43° 06.4' N 6° 24.3' E	Fl.(2)W. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	26 8	8	Gray cubic pedestal; 7.	Radar reflector on black and red banded mast, double black ball topmark, 7 meters high, located 3 meters SW. of light.
6976 <i>E 0770</i>	Le Titan.	43° 02.8' N 6° 30.6' E	Fl.W. period 5s	230 70	28	White tower and dwelling, black top; 33.	Visible 154°-044°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-MEDITERRANEAN SEA							
6984 E 0771	Cavalaire, new jetty, head.	43° 10.4' N 6° 32.3' E	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	30 9	10	White column, red top; 30.	Fl.G. 2.5s light shown about 130 meters SW.
6988 E 0772	Cap Camarat.	43° 12.1' N 6° 40.8' E	Fl.(4)W. period 15s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 7.4s	426 130	26	White square tower, black top; 82.	Visible 190°-049°.
6992 E 0774	Basse de La Moutte.	43° 16.4' N 6° 42.7' E	Q.(3)W.R. period 10s	36 11	W. 9 R. 6	E. CARDINAL BYB, tower, topmark; 39.	R. 009°-121°, W.-009°.
GOLFE DE ST. TROPEZ:							
7000 E 0778	-Sainte Tropez, jetty, head.	43° 16.3' N 6° 38.0' E	Oc.(2)W.R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	49 15	W. 14 R. 11	Tower, red top; 52.	W. 228°-245°, R.-228°.
7004 E 0779	--S. jetty.	43° 16.3' N 6° 38.0' E	Fl.G. period 4s fl. 1s, ec. 3s		6	Green structure.	
7008 E 0784	-Port de Cogolin, E. jetty, head.	43° 16.1' N 6° 35.6' E	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	23 7	10	White structure, red top; 16.	
7012 E 0784.2	--Groyne.	43° 16.1' N 6° 35.5' E	Fl.G. period 2s fl. 0.4s, ec. 1.6s	7 2	1	Dark green structure; 7.	
7014 E 0784.6	--N. head.	43° 16.2' N 6° 35.3' E	Q.W.	19 6	9	N. CARDINAL BY, beacon, topmark; 16.	
7016 E 0786	-Port Grimaud, N. jetty, head.	43° 16.3' N 6° 35.3' E	Fl.G. period 4s fl. 1s, ec. 3s	23 7	10	White structure, green top; 20.	
7018 E 0786.2	--S. spur, head.	43° 16.3' N 6° 35.2' E	Fl.R. period 4s fl. 1s, ec. 3s	23 7	6	White mast, red top; 20.	
7020 E 0790	-Seche a l'Huile.	43° 18.6' N 6° 41.1' E	Q.(6)+L.Fl.W.R. period 15s	30 9	W. 9 R. 6	S. CARDINAL YB, tower, topmark; 52.	R. 075°-216°, W.-075°.
7024 E 0788	-Sainte Maxime-sur-Mer, S. Jetty, head.	43° 18.3' N 6° 38.3' E	Q.(3)G. period 4s	26 8	14	White metal structure, dark green lantern; 16.	
7028 E 0788.4	--W. Jetty, head.	43° 18.3' N 6° 38.2' E	Fl.R. period 2s fl. 0.4s, ec. 1.6s	7 2	1	Red structure; 3.	
7032 E 0791	Les Issambres, S. breakwater, head.	43° 20.4' N 6° 41.1' E	Fl.(2)W.G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	26 8	W. 11 G. 8	Green column, white base; 16.	W. 289°-349°, G.-289°.
7036 E 0791.4	-W. jetty, head.	43° 20.4' N 6° 41.1' E	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	7 2	4	Red structure; 3.	
7038 E 0791.7	Port Ferreol, mole, head.	43° 21.6' N 6° 43.1' E	Fl.W.R. period 4s fl. 1s, ec. 3s	16 5	W. 7 R. 5	White metal structure, red top; 13.	W. 250°-310°, R.-250°.
7039 E 0792.4	Saint Aygulf, E. jetty, head.	43° 23.6' N 6° 43.9' E	Q.R.		6		
7039.5 E 0792.5	Port-Frejus, S. jetty, head.	43° 25.2' N 6° 45.0' E	Fl.(4)R. period 15s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	23 7	3	White post, red top; 10.	V.Q.W. Aero Control Tower (occas), 700 meters W.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-MEDITERRANEAN SEA							
7039.6 E 0792.6	-N. jetty.	43° 25.2' N 6° 45.0' E	Fl.G. period 2.5s fl. 0.5s, ec. 2s	19 6	2	White post, green top; 10.	
7040 E 0792	-St. Raphael, S. jetty, head.	43° 25.4' N 6° 45.9' E	Fl.(3)G. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	43 13	10	Gray tower, dark green top; 43.	Q.G. 1.2s 2M light 60m S.
7048 E 0793.4	-Santa Lucia, Bassin Nord, W. jetty, head.	43° 25.0' N 6° 46.4' E	Fl.G. period 4s fl. 1s, ec. 3s	26 8	9	Green structure; 20.	
7052 E 0793	--Bassin Sud, W. jetty, head.	43° 24.5' N 6° 46.9' E	Oc.(2)W.R. period 6s lt. 1s, ec. 1s lt. 3s, ec. 1s	33 10	W. 10 R. 7	White pylon, red top; 16.	W. 040°-057°, R.-084°, W.-122°, R.-040°.
7056 E 0794	--Ilot Lion de Mer.	43° 24.4' N 6° 46.5' E	Iso.W.R. period 4s	52 16	W. 13 R. 10	White structure; 33.	W. 275°-249°, R.-275°.
7060 E 0795	Rade d'Agay.	43° 25.5' N 6° 52.3' E	Oc.W.R. period 4s lt. 3s, ec. 1s	92 28	W. 15 R. 12	White tower, red top; 52.	R. 260°-294°, W.-032°. 2 F.R. shown from radio mast 6.3 km. NNE.
7064 E 0795.5	La Chretienne.	43° 25.3' N 6° 53.8' E	Q.(6)+L.Fl.W. period 15s	33 10	8	S. CARDINAL YB, tower, topmark; 43.	
7068 E 0796	La Figueirette, jetty, head.	43° 29.0' N 6° 56.0' E	Fl.(3)W.G. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	39 12	W. 13 G. 10	White column, green top; 30.	W. 275°-348°, G.-275°.
7070 E 0796.8	La Grande Vaquette.	43° 28.9' N 6° 57.2' E	Q.(3)W. period 10s	23 7	2	E. CARDINAL BYB, articulated beacon, topmark.	Radar reflector.
7072 E 0797	Port de la Galere, jetty, head.	43° 30.0' N 6° 57.4' E	Q.R.	30 9	7	White tower, red top, "La Galere" in white; 23.	
7074 E 0797.8	Pointe Saint Marc.	43° 30.0' N 6° 57.5' E	Fl.(2)G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	23 7	5	STARBOARD (A) G, articulated beacon, topmark.	Radar reflector.
7076 E 0798	Theoule-sur-mer, E. jetty.	43° 30.6' N 6° 56.4' E	Iso.W.R. period 4s	26 8	W. 9 R. 6	Red tower, red top; 20.	W. 198°-265°, R.-198°.
7080 E 0798.4	La Rague, E. breakwater, head.	43° 30.8' N 6° 56.4' E	Fl.(4)G. period 15s	29 9	9	White tower, green lantern; 23.	
7082 E 0798.6	-W. breakwater, head.	43° 30.9' N 6° 56.3' E	Fl.R. period 2.5s fl. 0.5s, ec. 2s	13 4	2	Red column, white top; 16.	
7084 E 0799	Mandelieu-La Napuole, outer breakwater, head.	43° 31.3' N 6° 56.7' E	Fl.(3)G. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	30 9	10	White tower, green top; 23.	Q.G. shown at head of spur, inner side. Private light.
7088 E 0799.4	-Inner breakwater, head.	43° 31.4' N 6° 56.7' E	Q.R.		2	Red metal post; 7.	
CANNES:							
7092 E 0801	-LeSecant, SW. point.	43° 32.8' N 7° 01.0' E	Fl.(2)G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	33 10	4	White tower, green top; 46.	Visible 276°-178°.
7096 E 0800	-W. mole, head.	43° 32.7' N 7° 01.1' E	V.Q.(3)R. period 2s fl. 0.2s, ec. 0.2s fl. 0.2s, ec. 0.2s fl. 0.2s, ec. 1s	79 24	8	White hexagonal tower, red top; 72.	Obscured by Iles de Lerins on bearings less than 340°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-MEDITERRANEAN SEA							
7100 E 0803	-Porto-Canto, Jetee Sud.	43° 32.5' N 7° 01.8' E	Fl.G. period 4s fl. 1s, ec. 3s	35 11	11	Yellow tower, dark green top; 30.	
7104 E 0804	--Jetee Ouest.	43° 32.5' N 7° 01.9' E	Fl.R. period 4s fl. 1s, ec. 3s	8 2	3	Red column; 13.	Obscured by Jetee Sud on bearing less than 123°.
7106 E 0809	Port de Moure Rouge.	43° 32.5' N 7° 02.6' E	Fl.(4)W.G. period 15s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	26 8	W. 9 G. 6	White tower, green top; 20.	G. 312°-282°, W.-312°.
7108 E 0805	Iles de Lerins, Les Moines.	43° 30.0' N 7° 03.1' E	Q.(6)+L.Fl.W. period 15s	39 12	9	S. CARDINAL YB, tower, topmark.	
GOLFE-JUAN:							
7112 E 0806	-La Fourmigue, Gulf, entrance.	43° 32.4' N 7° 05.0' E	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	52 16	7	ISOLATED DANGER BRB, tower, topmark; 56.	
7116 E 0808	-Vallauris.	43° 34.1' N 7° 03.7' E	Oc.(2)W.R.G. period 6s lt. 1s, ec. 1s lt. 3s, ec. 1s	548 167	W. 16 R. 12 G. 11	White square tower, black top; 62.	G. 265°-305°, W.-309°, R.-336°, W.-342°, G.-009°, obsc.-265°.
7120 E 0810	--Jetee Ouest, head.	43° 33.8' N 7° 04.7' E	Iso.R. period 4s	20 6	9	White column, red top; 20.	Visible 050°-250°.
7122 E 0810.4	--Jetee du Large, head.	43° 33.8' N 7° 04.7' E	Fl.(2)G. period 6s	33 10	10	White tower, green top; 20.	
7124 E 0811	-Port-Galice.	43° 33.8' N 7° 06.8' E	V.Q.(3)G. period 2s	33 10	9	White tower, green top; 26.	F.Bu., F.Vi. lights mark ski ramp 300 meters NW in summer.
7128 E 0812.2	-Le Crouton, S. breakwater, E. head.	43° 33.6' N 7° 07.1' E	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	20 6	5	Red tower, white base; 7.	Visible 138°-091°.
7132 E 0814	-Pointe d'Ilette.	43° 32.6' N 7° 07.3' E	Oc.(3)W.R.G. period 12s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 1.5s lt. 4.5s, ec. 1.5s	59 18	W. 13 R. 9 G. 9	White tower, black top; 49.	W. (unint.) 185°-235°, W.-045°, R.-056°, G.-070°, R.-090°, W.-135°, obsc.-185°.
7136 E 0818	La Garoupe.	43° 33.9' N 7° 08.0' E	Fl.(2)W. period 10s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 7.4s	341 104	31	White square tower; 95.	
7140 E 0819	Digue du Large, head.	43° 35.4' N 7° 08.0' E	Fl.R. period 4s	49 15	11	White and yellow tower, red top; 43.	
7144 E 0819.6	-Du Fort Carre, entrance, W. side, head.	43° 35.3' N 7° 07.9' E	Fl.G. period 4s	33 10	5	Yellow tower, green lantern; 23.	Unintensified 218°-003°.
BAIE DES ANGES:							
7160 E 0818.6	-Marina, S. breakwater, head.	43° 38.0' N 7° 08.5' E	Fl.(2)R. period 6s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 3.5s	20 6	7	White tower, red top; 16.	
7164 E 0818.7	--E. breakwater, head.	43° 38.0' N 7° 08.5' E	Fl.(2)G. period 6s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 3.5s	42 13	9	White truncated conical tower, green top; 33.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-MEDITERRANEAN SEA							
7168 E 0821	-St. Laurent-du-Var, breakwater, head.	43° 39.4' N 7° 11.0' E	Fl.(3)G. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	33 10	8	White tower, green top; 26.	
NICE:							
7184 E 0822	-Outer jetty, head.	43° 41.4' N 7° 17.3' E	Fl.R. period 5s fl. 0.1s, ec. 4.9s	69 21	20	White pyramidal tower, red lantern, white cupola; 72.	
7188 E 0823	-Breakwater, E. side, head.	43° 41.5' N 7° 17.4' E	Fl.G. period 4s fl. 1s, ec. 3s	16 5	7	White column, dark green top; 16.	
7192 E 0824	-Bassin du Commerce, entrance, W. side.	43° 41.5' N 7° 17.3' E	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	20 6	7	White column, red top; 16.	
7196 E 0824.2	--E. side, on jetty, head.	43° 41.5' N 7° 17.3' E	Fl.(2)G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	20 6	7	White column, dark green top; 13.	
7200 E 0825	-Bassin des Amiraux, entrance, W. side.	43° 41.5' N 7° 17.2' E	Fl.(3)R. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	20 6	6	White column, red top; 16.	
7204 E 0826	--E. side, on jetty, head.	43° 41.6' N 7° 17.2' E	Fl.(3)G. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	20 6	7	White column, dark green top; 16.	
7208 E 0830	Villefranche.	43° 42.0' N 7° 18.7' E	Q.W.R.	27 8	W. 12 R. 8	White square building, red lantern, white cupola; 30.	R. 009°-286°, W.-311°, R.- 335°, W.-009°.
7210 E 0831	-Jetty, head.	43° 42.0' N 7° 18.6' E	Q.G.	10 3	2		
7212 E 0832	-Mole de la Sante.	43° 42.2' N 7° 18.8' E	Fl.(4)R. period 15s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	33 10	7	White column, top and base red; 20.	
7216 E 0828	Cap Ferrat.	43° 40.5' N 7° 19.7' E	Fl.W. period 3s fl. 0.1s, ec. 2.9s	225 69	25	White octagonal tower, green band at base, green lantern; 112. Floodlit.	Visible 226°-167°.
7220 E 0833	Saint Jean-Cap Ferrat, Jetee Abri, head.	43° 41.5' N 7° 20.2' E	Fl.(4)R. period 15s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	30 9	9	White truncated tower, red top; 29.	
BEAULIEU-SUR-MER:							
7224 E 0836	-Detached breakwater, NE. head.	43° 42.5' N 7° 20.4' E	Q.R.	23 7	10	White truncated tower, red top; 16.	
7226 E 0835	-E. jetty, center.	43° 42.5' N 7° 20.3' E	Q.G.	20 6	7	White post, green top; 10.	
7228 E 0836.2	--SW. head.	43° 42.3' N 7° 20.3' E	Fl.(3)G. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	23 7	3	White truncated tower, dark green top; 13.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FRANCE-MEDITERRANEAN SEA							
7232 E 0838	Eze-sur-Mer.	43° 43.0' N 7° 21.2' E	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	20 6	9	White column, red base and lantern; 19.	
MONACO							
7236 E 0842	-Monte Carlo, N. breakwater, head.	43° 44.2' N 7° 25.7' E	Q.G.		2	Green post; 6.	
7240 E 0840	--S. breakwater, head.	43° 44.1' N 7° 25.7' E	Q.R.		2	Red post; 6.	
7244 E 0839	-Fontvielle, S. jetty, head.	43° 43.7' N 7° 25.4' E	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	33 10	10	White metal column, red top; 16.	AERO Mo.(MC)W. 30s 10m (occas), lighted in low visibility 460 meters SW.
7248 E 0839.2	--Buffer jetty, head.	43° 43.7' N 7° 25.4' E	Fl.(2)G. period 6s fl. 1s, ec. 3s fl. 1s, ec. 1s	16 5	7	Green lantern; 3.	
7256 E 0838.4	Cap d'Ail, S. breakwater, SW. extremity.	43° 43.4' N 7° 24.9' E	Fl.G. period 4s fl. 1s, ec. 3s	36 11	10	Green concrete pedestal; 29.	Visible 262°-172°. Synchronized with 7260.
7260 E 0838.42	--NW. extremity.	43° 43.4' N 7° 24.9' E	Fl.G. period 4s fl. 1s, ec. 3s	23 7	6	Green metal structure; 16.	Visible 172°-262°. Synchronized with 7256.
7264 E 0838.44	-W. jetty, head.	43° 43.5' N 7° 25.0' E	Fl.R. period 4s fl. 1s, ec. 3s	16 5		Red framework tower; 13.	
FRANCE-MEDITERRANEAN SEA							
7268 E 0848	Menton, jetty, head.	43° 46.5' N 7° 30.7' E	V.Q.(4)R. period 3s fl. 0.2s, ec. 0.5s fl. 0.2s, ec. 0.5s fl. 0.2s, ec. 0.5s fl. 0.2s, ec. 0.7s	56 17	10	White tower, red top; 52.	Obscured by Cap Martin when bearing more than 036°.
7272 E 0849	Menton-Garavan, breakwater, head.	43° 47.0' N 7° 31.4' E	Fl.R. period 4s fl. 1s, ec. 3s	36 11	10	White tower, red top; 33.	
7276 E 0850	-N. mole, head.	43° 47.0' N 7° 31.4' E	Fl.G. period 4s fl. 1s, ec. 3s	10 3	2	White mast, dark green top; 5.	

Section 6

Corsica, Sardinia and Northwest Coast of Italy

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-WEST COAST							
7280 E 1147	Bordighera, mole, head.	43° 46.8' N 7° 40.7' E	2 F.R. (vert.)	36 11	3	Red post; 26.	Safety distance 100m. Unreliable. Private light.
7284 E 1147.4	Capo Pino, outer breakwater, head.	43° 47.5' N 7° 44.8' E	F.R.	23 7	3	Red post; 16.	Private light.
7288 E 1147.6	-Inner mole, head.	43° 47.5' N 7° 44.8' E	F.G.	23 7	3	Green post; 16.	Private light.
SAN REMO:							
7292 E 1149	-Molo Sud, head.	43° 48.9' N 7° 47.3' E	L.F.I.R. period 5s fl. 2s, ec. 3s	36 11	8	Red column; 16.	Vessels should not pass closer than 25 meters.
7294 E 1149.05	--Finger, mole, head.	43° 48.9' N 7° 47.2' E	F.R.	16 5	2	Red post; 10.	Unreliable. Vessels should not pass closer than 20 meters.
7296 E 1149.2	-Molo Foraneo, head.	43° 48.9' N 7° 47.3' E	L.F.I.G. period 5s fl. 2s, ec. 3s	36 11	4	Green post; 23.	Vessels should not pass closer than 60 meters.
7300 E 1149.08	-Inner breakwater, head.	43° 48.9' N 7° 47.1' E	F.G.	20 6	4	Green post; 6.	
7304 E 1150.4	-Porto Sole.	43° 49.0' N 7° 47.3' E	F.R.	10 3	2	Red post; 6.	Private light.
7308 E 1150.6	--Entrance, S. side.	43° 49.0' N 7° 47.0' E	F.G.	10 3	2	Green post; 6.	Private light.
7312	San Martino, radio tower.	43° 49.2' N 7° 47.7' E	2 F.I.R. period 2.5s fl. 1s, ec. 1.5s	256 78		Radio tower.	Two lights at top.
7316 E 1152	Capo Verde.	43° 49.0' N 7° 49.9' E	Fl.(2)W. period 15s fl. 0.3s, ec. 3.4s fl. 0.3s, ec. 11s	164 50	24	White round tower on white building, black bands; 49.	
IMPERIA:							
7320 E 1156	-Imperia Ponente.	43° 52.5' N 8° 01.7' E	Iso.W. period 4s	36 11	16	White tower; 36.	Visible 210°-090°. Reserve light range 11M.
7328 E 1157	--S. mole, head.	43° 52.4' N 8° 01.8' E	Fl.R. period 3s fl. 1s, ec. 2s	31 9	8	Column, red metal bands, on pedestal; 18.	Vessels should pass not closer than 50 meters.
7332 E 1158	--N. mole, head.	43° 52.6' N 8° 01.4' E	Fl.G. period 3s fl. 1s, ec. 2s	26 8	8	Green tower; 22.	Visible 252°-044°.
7336 E 1160	-- S. mole, root.	43° 52.6' N 8° 01.3' E	F.R.	26 8	3	Red mast; 15.	Visible 102°-290°.
7340 E 1162	-Imperia Levante (Oneglia), E. mole, S. head.	43° 53.0' N 8° 02.5' E	Fl.(2)G. period 7s fl. 1s, ec. 1s fl. 1s, ec. 4s	33 10	8	Green truncated conical tower; 20.	Safety distance 30m.
7344 E 1164	--W. mole, head.	43° 52.1' N 8° 02.5' E	Fl.(2)R. period 7s fl. 1s, ec. 1s fl. 1s, ec. 4s	26 8	8	Red truncated conical tower; 20.	Safety distance 25m.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-WEST COAST							
7348 <i>E 1166</i>	Diana Marina, outer mole, head.	43° 54.5' N 8° 05.2' E	F.G.	30 9	3	Green post; 16.	Private light.
7352 <i>E 1166.2</i>	-Mole, head.	43° 54.4' N 8° 05.1' E	F.R.	30 9	3	Red post; 16.	Private light.
7356 <i>E 1168</i>	Capo Mele.	43° 57.7' N 8° 09.6' E	Fl.(3)W. period 15s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 8.8s	308 94	24	White octagonal structure, two galleries, attached to red three-story dwelling; 82.	Visible 196°-056°. Aeromarine light. Reserve light range 18M.
7360 <i>E 1169</i>	Laigueglia, on pier.	43° 58.7' N 8° 09.7' E	F.R.	30 9	3	Red post; 23.	Safety distance 10m. Private light.
7364 <i>E 1170</i>	Alassio, T-head pier.	44° 00.3' N 8° 10.4' E	2 F.R.	27 8	2	Red post; 13.	Private light.
7368 <i>E 1171</i>	-Molo Foraneo, head.	44° 01.1' N 8° 11.7' E	Fl.R. period 3s fl. 1s, ec. 2s		5	Red mast; 26.	Private light.
7380 <i>E 1171.4</i>	Loano.	44° 08.0' N 8° 16.1' E	Fl.R. period 3s fl. 1s, ec. 2s		3	Red mast; 23.	Private light.
7384 <i>E 1171.5</i>	-Inner breakwater, head.	44° 07.9' N 8° 16.0' E	Fl.G. period 3s fl. 1s, ec. 2s		3	Green mast; 26.	Private light.
7388 <i>E 1171.6</i>	Pietra Ligure.	44° 08.8' N 8° 17.3' E	F.R.G. (vert.)	33 10 26 8	R. 3 G. 3	Post, red and green bands; 16.	Private light.
7392 <i>E 1171.7</i>	Finale Ligure, harbor mole, head.	44° 10.0' N 8° 22.0' E	2 F.R. (vert.)	29 9 23 7	3	Red post; 19.	Private light.
7395 <i>E 1171.8</i>	-Submerged mole, head.	44° 10.5' N 8° 22.2' E	2 F.G. (vert.)	30 9 23 7	3	Green post; 19.	Private light.
7396 <i>E 1172</i>	Capo di Vado.	44° 15.4' N 8° 27.2' E	Fl.(4)W. period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	141 43	16	White octagonal tower, red stripes, dwelling; 112.	Obscured from the anchorage above Capo di Vado when bearing less than 173° and to the S. when obscured by Bergeggi Island 012°-017°. Reserve light range 11M.
7400 <i>E 1172.8</i>	-Molo do Sopraflutto, head.	44° 16.1' N 8° 27.2' E	Fl.R. period 4s fl. 1s, ec. 3s	33 10	8	Red column; 16.	
RADA DI VADO:							
7408 <i>E 1175.1</i>	-Vado Ligure.	44° 15.8' N 8° 26.6' E	Iso.G. period 2s	65 20	2	Post, black and red bands; 65.	At night, in line with Pontile. Occasional. Private light.
			2 F.R. (vert.)	58 18			Formicoke Light, leads to Pontile Shell.
7416 <i>E 1182.3</i>	-Oil terminal.	44° 16.7' N 8° 27.6' E	Fl.Y. period 3s fl. 0.5s, ec. 2.5s	16 5	2	Yellow mast; 13.	Private light.
7420 <i>E 1175</i>	-Pontile Formicoke.	44° 16.0' N 8° 26.9' E	3 F.R.W.R. (vert.)	36 11 33 10 26 8	W. 5 R. 3	White mast, red bands.	Private light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-WEST COAST							
7440 E 1180	-Pontile Esso.	44° 16.2' N 8° 26.8' E	3 F.G. (vert.)	31 9 26 8 21 6	3	Green mast; 20.	Private light.
7448 E 1185	-Pontile Enel.	44° 16.5' N 8° 26.9' E	2 F.G. (horiz.)	33 10	3	Green mast; 23.	Private light.
7452 E 1185.2	--N. corner.	44° 16.6' N 8° 26.8' E	2 F.R. (horiz.)	33 10	3	Red mast; 23.	Private light.
7456 E 1186	-Pontile I.P. Range, front.	44° 16.7' N 8° 26.9' E	2 F.G. (vert.)	31 9 26 8	3	Green mast; 20.	Private light.
7460 E 1186.1	--Rear, 500 meters 322° from front.	44° 16.9' N 8° 26.8' E	Fl.R. period 3s fl. 1s, ec. 2s 2 F.R. (vert.)	59 18	3	Tower, red and white bands, 49.	Private light (occas.).
7472 E 1181.9	-Pontile Vadoil Range, front.	44° 16.4' N 8° 26.9' E	3 F.R. (horiz.)	26 8	3	Red mast; 10.	Private light.
7476 E 1182	--Rear, 650 meters 264° from front.	44° 16.3' N 8° 26.4' E	Fl.G. period 3s fl. 1s, ec. 2s 2 F.G. (vert.)		3	Green post; 66.	Occasional. Private light.
7484 E 1188	-Pontile Chevron.	44° 17.5' N 8° 27.8' E	2 F.G.R. (vert.)	29 9 26 8	3	Red mast, green bands on hut; 19.	Private light.
SAVONA:							
7490 E 1193	--Breakwater extension, head.	44° 18.8' N 8° 30.3' E	Fl.R. period 2s fl. 0.5s, ec. 1.5s	31 9	7	Red tower; 16.	
7492 E 1194	-Mole Frangiflutti, head.	44° 18.9' N 8° 30.0' E	F.R.	10 3	3	Red column; 10.	Private light.
7496 E 1197	-Molo Miramare, head.	44° 18.8' N 8° 29.5' E	F.G.	33 10	3	Green tower; 26.	Unreliable.
7500 E 1196	-Mole Sottoflutto, head.	44° 19.0' N 8° 29.8' E	Fl.G. period 2s fl. 0.5s, ec. 1.5s	30 9	7	Green column; 16.	Safety distance 35 meters.
7504 E 1198	Varazze, Molo Frangiflutti, head.	44° 21.1' N 8° 34.2' E	2 F.R. (vert.)	31 9 26 8	3	Red post; 16.	To avoid reef, vessels should pass not closer than 40 meters.
7508 E 1199	-Molo Sottoflutto, head.	44° 21.1' N 8° 34.1' E	F.G.	13 4	3	Green post; 10.	Private light.
7512 E 1199.2	-Molo Frangiflutti, head.	44° 21.1' N 8° 34.1' E	F.R.	13 4	3	Red post; 10.	Private light.
7516 E 1201	Arenzano, outer mole, head.	44° 24.0' N 8° 41.3' E	F.R.	36 11	3	Red post; 19.	Private light.
7520 E 1201.3	-Inner mole, head.	44° 24.0' N 8° 41.0' E	F.G.	36 11	3	Green post; 33.	Private light.
7524 E 1202.6	-Inner mole, head.	44° 25.0' N 8° 46.7' E	Iso.R. period 2s	36 11	6	Red column; 16.	Private light.
7528 E 1202	-Detached breakwater, W. head.	44° 24.8' N 8° 46.5' E	Iso.W.G. period 2s	52 16	W. 11 G. 8	Tower.	W. 282°-077°, G.-282°. Private light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-WEST COAST							
7532 <i>E 1202.4</i>	--Elbow.	44° 24.6' N 8° 47.7' E	Fl.W. period 2s	46 14	7	White metal pillar.	Obscured within harbor. Private light.
7533 <i>E 1202.2</i>	--E. head.	44° 25.3' N 8° 48.6' E	Fl.R. period 3s	30 9	6	Red column; 16.	Private light.
GENOVA-MULTEDO:							
7536 <i>E 7010</i>	-Oil pipeline terminal platform.	44° 24.1' N 8° 48.5' E	Mo.(U)Y. period 15s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 2s, ec. 10s	75 23	7	Yellow post on white metal tower, black bands; 75.	Private light.
7538 <i>E 7010.5</i>	--SE. oil terminal.	44° 23.7' N 8° 49.9' E	Fl.Y. period 4s fl. 1s, ec. 3s	36 11	6	Yellow structure; 26.	Private light.
7540 <i>E 1212</i>	-Molo di Multedo.	44° 25.1' N 8° 49.8' E	Q.R.	33 10	7	Red column; 16.	Private light.
7544 <i>E 1208</i>	-Diga Foranea dell' Aeroporto, W. head.	44° 24.8' N 8° 49.1' E	Oc.W. period 3s lt. 2s, ec. 1s	33 10	12	White tower, black bands; 16.	Private light.
GENOVA:							
7556 <i>E 1208.2</i>	-Diga di Cornigliano.	44° 23.9' N 8° 52.9' E	Fl.R. period 2s fl. 0.5s, ec. 1.5s	44 13	7	Red column on pedestal; 17.	Private light.
7560 <i>E 1208.6</i>	-Diga Foranea.	44° 24.1' N 8° 52.6' E	Q.G.	33 10	5	Green column, 18.	Private light.
7564 <i>E 1208.8</i>	--Spur projecting, N. head.	44° 24.2' N 8° 52.4' E	Fl.G. period 1.5s fl. 0.5s, ec. 1s	23 7	4	Green tower.	Private light.
7568 <i>E 1206</i>	-Lanterna.	44° 24.3' N 8° 54.3' E	Fl.(2)W. period 20s fl. 0.2s, ec. 4.8s fl. 0.2s, ec. 14.8s	384 117	25	Square tower on dwelling; 249.	Reserve light range 18M. Occasional. Private light.
			Oc.R. period 1.5s	390 119	10	Cupola of same structure.	
7576 <i>E 1218</i>	-Duca di Galliera Mole, old head.	44° 23.8' N 8° 55.9' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	43 13	6	Red column on hut; 19.	Obscured southward 303°- 115°. Private light.
7580 <i>E 1219</i>	--New head.	44° 23.3' N 8° 56.3' E	Fl.R. period 4s fl. 1s, ec. 3s	59 18	15	Red framework tower; 49.	Private light.
7584 <i>E 1220</i>	--New mole, S. head.	44° 23.6' N 8° 56.1' E	Fl.G. period 4s fl. 1s, ec. 3s	46 14	7	Green column on tower; 23.	2 F.G. (vert.) 3M marks pier 150 meters ENE. Private light.
7585 <i>E 1221</i>	--Molo Umberto Cagni, W. head.	44° 23.8' N 8° 55.6' E	Fl.G. period 3s fl. 1s, ec. 2s	33 10	8	Green column; 18.	Private light.
7592 <i>E 1217</i>	-Spur, E. entrance, head.	44° 23.6' N 8° 55.6' E	Fl.R. period 3s fl. 1s, ec. 2s	36 11	7	Red column; 16.	Visible only within confines of harbor. Private light.
7596 <i>E 1216</i>	-Bacino della Lanterna, NE. corner.	44° 23.8' N 8° 55.0' E	Fl.(3)R. period 7s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3.5s	33 10	7	Red column; 16.	Obscured from seaward. Private light.
7600 <i>E 1225</i>	-Calata d'olla Sanita, on E. angle.	44° 24.2' N 8° 55.2' E	Fl.R. period 3s fl. 1s, ec. 2s	26 8	7	Red column; 16.	Private light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-WEST COAST							
7604 E 1226	-Molo Vecchio.	44° 24.4' N 8° 55.2' E	Fl.G.	26 8	7	Green tower; 18.	Private light.
7608 E 1215	-Calata Ollii Minerali.	44° 23.9' N 8° 55.0' E	Fl.(3)G. period 7s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3.5s	33 10	7	Green column; 25.	Private light.
7612 E 1230	-Punta Vagno.	44° 23.5' N 8° 57.2' E	L.Fl.(3)W. period 15s fl. 2s, ec. 1s fl. 2s, ec. 1s fl. 2s, ec. 7s	85 26	16	White conical tower; 28.	Reserve light range 11M. Private light.
7616	--Grattaciolo.		Oc.R. period 2s				
7620 E 1233	-Nervi, jetty, head.	44° 22.9' N 9° 01.9' E	2 F.R. (vert.)	23 7 19 6	3	Red post; 16.	Private light.
7624 E 1236	Camogli, outer breakwater, head.	44° 21.1' N 9° 09.0' E	Fl.W. period 3s fl. 1s, ec. 2s	36 11	9	White round tower; 23.	F.G., F.R. (vert.) shown from pier on N. side of entrance.
7628 E 1238	-On spur, breakwater, inner side.	44° 21.1' N 9° 09.1' E	Fl.G. period 5s fl. 1s, ec. 4s	21 6	3	Green post; 13.	Visible 110°-335°.
7632 E 1237	-Jetty, at root.	44° 21.1' N 9° 09.1' E	Fl.R. period 5s fl. 1s, ec. 4s	21 6	3	Red post; 16.	
PORTOFINO:							
7636 E 1244	-Punta di Portofino.	44° 17.9' N 9° 13.2' E	Fl.W. period 5s fl. 1s, ec. 4s	131 40	16	Tower, two-story white masonry house; 39.	Visible 155°-098°. Fl.R. lights are shown from several radio masts. Reserve light range 11M. Private light.
7640 E 1246	-Entrance, N. side.	44° 18.2' N 9° 12.8' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	30 9	7	Bracket on building.	
7644 E 1248	-Punta del Coppo.	44° 18.2' N 9° 12.9' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	33 10	7	Red column; 16.	
7648 E 1254	Santa Margherita Ligure, mole, head.	44° 19.8' N 9° 13.1' E	Fl.R. period 4s fl. 1s, ec. 3s	33 10	8	Red post; 15.	
7652 E 1255.5	Rapallo, Molo Langano, head.	44° 20.6' N 9° 14.0' E	F.R.G	20 6	3	Red post, green bands; 20.	G. 220°-040°, R.-220°. Private light.
7656 E 1256.2	Molo di Levante.	44° 20.6' N 9° 14.1' E	2 F.R. (vert.)	23 7 20 6	3	Red post.	Private light.
7657 E 1256	Pennello Boate.	44° 20.7' N 9° 14.0' E	2 F.G. (vert.)	23 7	3	Green post; 23.	Private light.
7660 E 1255	-Outer breakwater, elbow.	44° 20.6' N 9° 14.1' E	Fl.W. period 3s fl. 1s, ec. 2s	29 9	9	White tower; 18.	Private light.
7664 E 1257	-Molo Foraneo, head.	44° 18.7' N 9° 19.1' E	L.Fl.G. period 6s fl. 2s, ec. 4s	36 11	6	Green post; 16.	Private light.
7668 E 1257.2	--Spur.	44° 18.6' N 9° 19.3' E	F.G.	16 5	2	Green post; 10.	Private light.
7672 E 1257.4	-Molo Sottofluto, head.	44° 18.7' N 9° 19.3' E	F.R.	16 5	2	Red post; 10.	Private light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-WEST COAST							
LAVAGNA:							
7676 E 1257.7	-Molo Foraneo.	44° 18.1' N 9° 20.6' E	L.F.I.R. period 6s fl. 2s, ec. 4s	39 12	6	Red column; 16.	To avoid reef vessels should pass not closer than 60 meters. Private light.
7680 E 1257.8	--T-head.	44° 18.2' N 9° 20.5' E	F.R.	16 5	2	Red post; 13.	Private light.
7684 E 1257.9	-Molo Sottofluto.	44° 18.2' N 9° 20.6' E	F.G.	16 5	2	Green post; 13.	Private light.
7692 E 1258	Sestri Levante.	44° 16.3' N 9° 23.1' E	F.G.	44 13	3	Green post; 26.	Private light.
GOLFO DELLA SPEZIA:							
7696 E 1262	-Isola del Tino.	44° 01.6' N 9° 51.0' E	Fl.(3)W. period 15s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 8.8s	384 117	25	White round tower; 79.	Reserve light range 18M.
-RACON		T(-) period 30s		18			
7700 E 1265	-Portovenere.	44° 03.0' N 9° 50.2' E	F.R.	20 6	3	Red column; 13.	Visible 085°-025°. Private light.
7704 E 1265.4	-Molo Olivo, head.	44° 03.1' N 9° 50.3' E	F.G.	20 6	3	Green column; 13.	Private light.
7708 E 1263	-Scoglio Torre della Scuola.	44° 03.1' N 9° 51.6' E	Fl.(2)W. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	52 16	10	White tower; 7.	
-La Spezia:							
7720 E 1268	--Punta Santa Maria.	44° 04.0' N 9° 51.1' E	Fl.R. period 4s fl. 1s, ec. 3s	36 11	9	Red tower; 23.	
7724 E 1269	--Detached breakwater, SW. head.	44° 04.1' N 9° 51.4' E	Fl.G. period 4s fl. 1s, ec. 3s	36 11	9	Green tower; 30.	
7728 E 1323	--Seno di Panigaglia.	44° 04.6' N 9° 50.2' E	2 F.G. (vert.)	26 8 23 7	3	Green pole; 16.	Private light.
7732 E 1300	---Cadimare Mole.	44° 05.2' N 9° 50.0' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	21 6	5	Red post; 18.	
7736 E 1302	---S. entrance to port, inner detached breakwater, S. head.	44° 05.3' N 9° 50.1' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	21 6	7	Green post; 18.	
7740 E 1304	---Inner detached breakwater, N. angle.	44° 05.6' N 9° 50.1' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	23 7	11	White iron post; 18.	
7744 E 1312	---Entrance Range, front.	44° 05.8' N 9° 49.0' E	Fl.W.R.G. period 3s fl. 1s, ec. 2s	69 21	W. 8 R. 6 G. 6	White truncated pyramidal tower, black stripe; 20.	G. 297°-305°18', W.-306°48', R.-315°. Private light.
7748 E 1312.1	--- Pegazzano , 1.02 km. 306° from front.	44° 06.1' N 9° 48.3' E	Iso.W. period 4s	157 48	16	Pentagonal red and white stone tower; 44.	Visible 302°-310°.
7752 E 1319	---Basin No. "1", entrance, S. side.	44° 05.6' N 9° 49.3' E	F.R.	37 11	3	Red framework tower; 33.	Private light.
7756 E 1318	---Entrance, N. side.	44° 05.7' N 9° 49.3' E	F.G.	57 17	3	Green post; 52.	Private light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-WEST COAST							
7760 E 1292	--Mirabello Molo, N. head.	44° 06.0' N 9° 49.7' E	Iso.R. period 2s	21 6	4	Red tower; 15.	
7764 E 1290	--Italia Molo, head.	44° 06.2' N 9° 50.1' E	Fl.R. period 4s fl. 1s, ec. 3s	26 8	8	Red tower; 25.	
7768 E 1288	--Molo Garibaldi, S. head.	44° 06.2' N 9° 50.3' E	Fl.G. period 4s fl. 1s, ec. 3s	23 7	8	Green structure; 18.	
7772 E 1285.2	--Verzocchi Quay, N. corner.	44° 06.5' N 9° 51.2' E	2 F.R. (vert.)	36 11 30 9	3	Red framework tower; 30.	Private light.
7776 E 1285.4	--Verzocchi Quay, S. corner.	44° 06.4' N 9° 51.2' E	2 F.G. (vert.)	36 11 30 9	3	Green framework tower; 30.	Private light.
7780 E 1285	--Pontile ENEL.	44° 06.1' N 9° 51.2' E	2 F.G.R. (vert.)	20 6 13 4	3	Green and red post; 16.	Private light.
7784 E 1284	--Molo dei Pagliari.	44° 06.1' N 9° 51.4' E	2 F.R.G. (vert.)	26 8 21 6	3	Post, red and green bands; 20.	Private light.
7788 E 1283	--Pontile INMA, head.	44° 06.0' N 9° 51.5' E	2 F.G. (horiz.)	26 8	3	Post, red and green bands; 20.	Fl.G. 3s 5M and Fl.R. 3s 5M shown from breakwater heads about 330 meters S. Private light.
			2 F.R. (horiz.)	21 6	3		
7789 E 1282.2	--Porto Lotti entrance, S.	44° 05.9' N 9° 51.4' E	Fl.G. period 3s fl. 1s, ec. 2s	23 7	5	STARBOARD (A) G, post; 16.	Private light.
7790 E 1282.4	---N.	44° 05.8' N 9° 51.5' E	Fl.R. period 3s fl. 1s, ec. 2s	23 7	5	PORT (A) R, post; 16.	Private light.
7792 E 1281.2	--Beacon.	44° 05.7' N 9° 51.8' E	F.R.	23 7	3	Red concrete post; 16.	Private light.
7796 E 1281	--Beacon.	44° 05.6' N 9° 51.8' E	F.G.	23 7	3	Green concrete post; 16.	Private light.
7800 E 1280.2	--Porticiollo San Bartolomeo.	44° 05.6' N 9° 51.9' E	F.R.	20 6	3	Red post; 16.	Fl.R. shown from radio mast about 412 meters N. Private light.
7804 E 1280	---S. side of entrance.	44° 05.6' N 9° 51.8' E	F.G.	20 6	3	Green concrete post; 16.	Private light.
7808 E 1278	--Mole del Muggiano, head.	44° 05.2' N 9° 52.2' E	F.G.	26 8	3	Green concrete post; 20.	Private light.
7812 E 1270	--Outer detached breakwater, E. head.	44° 04.8' N 9° 52.8' E	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	33 10	8	Red masonry tower; 26.	
7816 E 1270.2	---Spur, ESE. from extremity.	44° 04.7' N 9° 52.8' E	Iso.R. period 2s	29 9	4	Red metal column; 16.	
7820 E 1274	--Punta Santa Teresa.	44° 04.8' N 9° 52.9' E	Fl.(2)G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	33 10	8	Green masonry tower; 15.	
7824 E 1324	Lerici.	44° 04.4' N 9° 54.4' E	2 F.G. (vert.)	24 7 19 6	3	Green post.	Private light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-WEST COAST							
7828 E 1326	Capo Corvo.	44° 02.1' N 9° 56.6' E	Fl.Y. period 2s fl. 0.5s, ec. 1.5s	16 5	6	SPECIAL Y, beacon, topmark.	Identical beacon 2330 meters NW. Radar reflector.
7832 E 1328	Marina di Carrera.	44° 02.1' N 10° 02.3' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	72 22	17	White quadrangular tower; 72.	Reserve light range 12M.
7833 E 1328.5	-W. breakwater, elbow.	44° 02.0' N 10° 02.1' E	Dir.W.R.G.	105 32	W. 12 R. 10 G. 10	Post; 98.	F.G.312.8°-315.3°, Al.W.G.- 317.3°, F.W.-318.3°, Al.W.R.-320.3°, F.R.- 322.8° Private light.
7836 E 1329	-Diga Foranea, head.	44° 01.7' N 10° 02.5' E	Iso.R. period 2s	43 13	16	Red metal column on pedestal; 16.	Safety distance 30m.
7840 E 1330	-Molo di Levante.	44° 01.7' N 10° 02.5' E	Iso.G. period 2s	33 10	16	Green column on pedestal; 16.	Safety distance 35m.
7844 E 1330.4	Marina di Massa.	44° 00.1' N 10° 06.5' E	2 F.G.R. (vert.)	33 10 26 8	3	Red mast, green bands; 20.	Private light.
7848 E 1331	Fiume Cinquale.	43° 58.7' N 10° 08.6' E	F.R.	23 7	3	Red mast; 16.	A F.G. light is shown on S. side of entrance occasionally. Private light.
7852 E 1334	Forte dei Marmi.	43° 57.3' N 10° 09.9' E	F.R.	19 6	3	Red post; 10.	Private light.
7856 E 1340	Viareggio.	43° 51.7' N 10° 14.8' E	Fl.W. period 5s fl. 0.3s, ec. 4.7s	98 30	22	White round tower; 104.	Reserve light range 18M. Private light.
7860 E 1342	-Nuevo Diga Foranea, head.	43° 51.7' N 10° 14.1' E	Iso.G. period 3s	30 9	9	Green post.	
7864 E 1341	- N. mole, head.	43° 51.7' N 10° 14.2' E	Iso.R. period 3s	30 9	7	Red post; 18.	Private light.
FIUME ARNO:							
7868 E 1347	-S. breakwater, head.	43° 40.6' N 10° 16.1' E	F.G.	19 6	3	Green post; 13.	Private light.
SECCHIE DELLA MELORIA:							
7872 E 1347.8	-Shoal, N., on NW. extremity.	43° 35.5' N 10° 27.7' E	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	59 18	10	Round masonry tower; 66.	
7874 E 1348.5	-Shoal, NE. extremity.	43° 35.3' N 10° 15.5' E	Q.(3)W. period 10s	16 5	7	E. CARDINAL BYB, articulated light, topmark.	
7876 E 1348	-Bank, S. edge.	43° 32.8' N 10° 13.2' E	Q.(6)+L.Fl.W. period 15s	59 18	12	S. CARDINAL YB, tower, topmark; 57.	
LIVORNO (LEGHORN):							
7880 E 1358	-Diga Meloria, head.	43° 33.4' N 10° 17.2' E	Fl.(3)W.G. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	39 12	W. 9 G. 7	Green post; 18.	Visible W. 064°-138°, G. - 341°.
7882 E 1359	--520 meters SSE.	43° 33.2' N 10° 17.7' E	Fl.W. period 3s fl. 1s, ec. 2s	33 10	4	White mast; 23.	Visible 222°-229°.
7884 E 1370	-Diga Curvilinea, N. head.	43° 33.1' N 10° 17.4' E	Fl.R.G. period 3s fl. 1s, ec. 2s	23 7	5	Column, red and green bands; 18.	G. 160°-288°, R.-048°, obsc.- 160°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-WEST COAST							
7888 E 1368	--S. head.	43° 32.5' N 10° 17.4' E	Fl.W.R. period 3s fl. 0.2s, ec. 2.8s	72 22	W. 11 R. 16	Octagonal tower; 67.	R. 180°-078°, W.-139°, obsc.-160°. Reserve light Fl.G. 3s 6M.
7892 E 1356	-Livorno.	43° 32.5' N 10° 17.7' E	Fl.(4)W. period 20s fl. 0.2s, ec. 3.1s fl. 0.2s, ec. 3.1s fl. 0.2s, ec. 3.1s fl. 0.2s, ec. 9.9s	171 52	24	Round masonry tower; 171.	Reserve light range 18M.
	-RACON		L(• - • •) period 30s		19		
7896 E 1360	-Diga Marzocco, head.	43° 33.4' N 10° 17.5' E	Fl.(3)R. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	39 12	7	Red column on pedestal; 18.	
7912 E 1376.2	--Head.	43° 33.1' N 10° 17.8' E	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	26 8	6	Iron column on round hut, red and white bands; 18.	Visible 281°-135°.
7916 E 1376.4	--Head, E. corner.	43° 33.0' N 10° 17.8' E	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	23 7	6	Iron column, red and white bands; 14.	Visible 231°-095°.
7920 E 1380	-Molo Mediceo, head.	43° 32.9' N 10° 17.8' E	Fl.(2)G. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	23 7	5	Green column on pedestal; 16.	Visible only within the harbor.
7924 E 1374	-Diga della Vegliaia, W. head.	43° 32.2' N 10° 17.2' E	Fl.G. period 3s fl. 0.2s, ec. 2.8s	59 18	16	Round green tower; 46.	Visible 330°-240°. Reserve light Fl. G. 3s 6M.
7928 E 1380.2	-Porticciolo San Jacopo.	43° 31.7' N 10° 18.3' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	26 8	3	Green pole; 13.	
7932 E 1380.4	-Porticciolo San Leopoldo.	43° 31.4' N 10° 18.5' E	Fl.G. period 8s fl. 1s, ec. 7s	26 8	4	Green pole; 16.	
7936 E 1381	-Antignano.	43° 29.8' N 10° 19.3' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	23 7	4	Green pole; 23.	
7940 E 1382	-Quercianella.	43° 27.7' N 10° 21.9' E	F.R.	23 7	3	Red mast; 16.	Private light.
CORSE (CORSICA) (F.)							
STRAIT OF BONIFACIO:							
7944 E 0876	-Cap Pertusato.	41° 22.0' N 9° 11.2' E	Fl.(2)W. period 10s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 7.4s	328 100	25	Square white tower, upper part black, white house; 56.	Visible 239°-113°.
7948 E 0872	-Ile Lavezzi.	41° 20.1' N 9° 15.5' E	Oc.(2)W.R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	89 27	W. 17 R. 14	Square tower and house red and white bands; 39.	Partially obscured 138°-218°. W. 243°-351°, R.-243°. Reserve light range 10-7M.
7950 E 0874.5	-Ile Cavallo.	41° 21.7' N 9° 15.9' E	Iso.W.R.G. period 4s		W. 6 R. 4 G. 4		G. 328°-337°, W.-344°, R.-353°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CORSE (CORSICA) (F.)							
7952 E 0874	-Ecueil Lavezzi Rock.	41° 19.0' N 9° 15.3' E	Fl.(2)W. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	59 18	9	ISOLATED DANGER BRB, tower, topmark; 73.	
	-RACON		C(- • - •)				
7960 E 0875	-Perduto Rock.	41° 22.0' N 9° 19.0' E	Q.(3)W. period 10s	52 16	11	E. CARDINAL BYB, tower, topmark; 91.	
7964 E 0878	-Pointe de la Madonetta.	41° 23.1' N 9° 08.8' E	Iso.R. period 4s	92 28	7	Square red tower with gray corners and name in white; 39.	
	-Bonifacio:						
7968 E 0886	--Pointe de l'Arenella.	41° 23.3' N 9° 09.1' E	Oc.(2)R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	30 9	5	Red round tower on gray base; 30.	
7976 E 0882	--Point Cacavento.	41° 23.3' N 9° 09.2' E	Fl.G. period 4s	19 6	5	White pyramid green lantern; 13.	
7980 E 0888	-Cap de Feno.	41° 23.5' N 9° 05.8' E	Dir.Fl.(4)W. period 15s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	69 21	21	White square tower, upper part black; 39.	Intensified 109°24'-111°24'. In line 110°25' with Cap Pertusato.
			Fl.(4)W.R. period 15s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	75 23	W. 7 R. 4		R. 150°-270°, W.-150°. Synchronized with directional light. Reserve light range 5/3M.
7984 E 0890	Les Moines.	41° 26.8' N 8° 54.0' E	Q.(6)+L.Fl.W. period 15s	89 27	9	S. CARDINAL YB, topmark; 112.	
7986 E 0889	Caldarello, jetty, head.	41° 28.5' N 9° 04.4' E	Dir.Q.W.R.G. period 1.2s		W. 7 R. 6 G. 6		G. 026°-035°, W.-037°30', R.- 046°, obsc.-026°.
7988 E 0894	Pointe Senetosa.	41° 33.5' N 8° 47.9' E	Fl.W.R. period 5s fl. 0.1s, ec. 4.9s	177 54	W. 20 R. 16	Two white towers, black top; 49.	R. 306°-328° except where obscured by Pointe Latoniccia, W.-306°.
GOLFE DE VALINCO:							
7992 E 0896	-Propriano, Rocher Longo.	41° 40.7' N 8° 53.9' E	Oc.(3)W.G. period 12s lt. 4.5s, ec. 1.5s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 1.5s	53 16	W. 15 G. 12	White tower, green top; 56.	W. 070°-097°, G.-137°, W.- 002°, obscured elsewhere.
7996 E 0898	--Jeteo Est.	41° 40.6' N 8° 54.1' E	Iso.G. period 4s	36 11	10	White column, top and base green; 23.	Obscured 094°-095° by Rocher Longo Lighthouse.
8000 E 0899	--W. breakwater, head.	41° 40.6' N 8° 54.2' E	Fl.(2)W. period 6s fl. 0.2s, ec. 1.4s fl. 0.2s, ec. 4.2s	6 2		Red structure; 3.	Unintensified 285°-045°.
8001 E 0899.2	--E. breakwater, head.	41° 40.7' N 8° 54.3' E	Fl.(3)G. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	16 5	6	White structure, top and base green; 10	Unintensified 285°-045°.
8004 E 0900	Cap de Muro.	41° 44.4' N 8° 39.7' E	Oc.W. period 4s lt. 3s, ec. 1s	187 57	9	White square tower, black top; 20.	Visible 276°-186°. F.R. shown from radio mast 5 miles ENE.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CORSE (CORSICA) (F.)							
AJACCIO:							
8008 <i>E 0908</i>	-Citadelle.	41° 54.9' N 8° 44.5' E	Fl.(2)W.R. period 10s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 7.4s	62 19	W. 20 R. 16	White round tower, red top; 43.	R. 045°-057°, W. elsewhere.
8012 <i>E 0910</i>	-Jetee de la Citadelle.	41° 55.1' N 8° 44.7' E	Oc.R. period 4s lt. 3s, ec. 1s	43 13	8	White column, red top; 43.	
8016 <i>E 0911</i>	-Jetee des Capucins.	41° 55.3' N 8° 44.6' E	Fl.R.G. period 4s fl. 1s, ec. 3s	26 8	7	White column; 23.	R. 110°-271°30', G.-065°, obsc.-110°.
8020 <i>E 0913</i>	-Jetee de Margonajo.	41° 55.6' N 8° 44.6' E	Fl.(4)Vi. period 15s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	22 7	1	White column; 20.	Lights F.W. and F.R. occasionally shown on a pylon 1 mile E.
8021 <i>E 0912</i>	-Port des Cannes.	41° 55.8' N 8° 44.7' E	Fl.(2)R. period 6s fl. 0.2s, ec. 1.4s fl. 0.2s, ec. 4.2s	16 5	6	White tower, red top; 10.	
8024 <i>E 0914</i>	-Aspretto, outer jetty, head.	41° 55.3' N 8° 45.8' E	Q.R.G.	26 8	8	White column, green top; 16.	G. 035°-300°, R.-035°. Occasional.
8028 <i>E 0915</i>	--Inner jetty, head.	41° 55.3' N 8° 45.9' E	Fl.R. period 4s fl. 1s, ec. 3s	23 7	9	White column, red top; 10.	Occasional.
8032 <i>E 0906</i>	--L'Ecueil de la Citadelle.	41° 54.7' N 8° 44.5' E	Fl.(4)R. period 15s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	33 10	7	Red truncated tower; 43.	
8034 <i>E 0905</i>	-La Guardiola.	41° 54.2' N 8° 43.3' E	Fl.R. period 2.5s	20 6	2	Red tower; 33.	
8036 <i>E 0902</i>	Iles Sanguinaires.	41° 52.7' N 8° 35.7' E	Fl.(3)W. period 15s fl. 0.1s, ec. 3.9s fl. 0.1s, ec. 3.9s fl. 0.1s, ec. 6.9s	321 98	24	White square tower, black top, on white building; 59.	
8038	Cargese, S. jetty, head.	42° 07.9' N 8° 35.9' E	Oc.(3)W.R. period 12s lt. 4.5s, ec. 1.5s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 1.5s	23 7	W. 9 R. 6	White tower, red top; 10.	R. 025°-325°, W.-025°.
8038.5	-N. jetty, head.	42° 07.9' N 8° 35.8' E	Fl.(3)G. period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	13 4	2	White pole, green top.	
8040 <i>E 0916</i>	Ile Gargalu, NW. point.	42° 22.3' N 8° 32.0' E	Fl.W.R. period 4s fl. 1s, ec. 3s	121 37	W. 8 R. 6	Black and white column; 23.	W. 348-214°, R.-348°. Obscured 221°-345°.
8044 <i>E 0918</i>	Pointe Revellata.	42° 34.9' N 8° 43.6' E	Fl.(2)W. period 10s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 7.4s	318 97	21	Square white tower, upper part black; 62.	Visible 060°-000°. Reserve light Fl.(2)W. 10s.
8048 <i>E 0919</i>	-Cala Revellata.	42° 34.8' N 8° 43.6' E	Fl.G. period 4s fl. 1s, ec. 3s	16 5	6	White and green turret at research station; 13.	
8052 <i>E 0920</i>	Calvi, foot of citadel.	42° 34.1' N 8° 45.8' E	Oc.(2)G. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	98 30	8	Pylon on green and white house, name in green; 20.	Visible 095°-005°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CORSE (CORSICA) (F.)							
8056 <i>E 0922</i>	-Pier, head.	42° 33.9' N 8° 45.8' E	Q.G.	33 10	8	White column, dark green top; 33.	
8060 <i>E 0923</i>	-Breakwater, head.	42° 33.9' N 8° 45.7' E	Fl.R. period 4s	19 6	7	White structure, red top; 13.	
8064 <i>E 0924</i>	Sant-Ambrogio.	42° 36.1' N 8° 49.8' E	Fl.G. period 2s fl. 0.4s, ec. 1.6s	23 7	2	White post, green top; 20.	A Fl.R. light is shown at head of SW. jetty.
8068 <i>E 0926</i>	Ile-Rousse-La Pietra.	42° 38.6' N 8° 56.0' E	Fl.(3)W.G. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	209 64	W. 14 G. 11	White square tower, green top; 43.	G. shore-079°, W.-234°, G.-shore.
8072 <i>E 0928</i>	-Shelter wall of jetty, head.	42° 38.4' N 8° 56.4' E	Iso.G. period 4s	39 12	8	White masonry tower, green top; 13.	Obscured 111°-143°.
GOLFE DE SAINT-FLORENT:							
8076 <i>E 0930</i>	-Punta Mortella.	42° 43.0' N 9° 15.4' E	Oc.G. period 4s lt. 3s, ec. 1s	140 43	8	Square white tower, green top; 46.	
8080 <i>E 0935</i>	-Pointe Vecchiaia.	42° 42.9' N 9° 19.5' E	Fl.(3)W.R. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	115 35	W. 10 R. 7	White tower, red top; 16.	W. 035°-174°, R.-035°.
8084 <i>E 0932</i>	-Cap Fornali.	42° 41.3' N 9° 16.9' E	Fl.G. period 4s fl. 1s, ec. 3s	46 14	6	Square white tower, green edges and top; 36.	
8088 <i>E 0934</i>	-Tourelle Tignoso.	42° 40.9' N 9° 17.7' E	Fl.R. period 4s fl. 1s, ec. 3s	19 6	3	Red tower; 30.	
8092 <i>E 0933</i>	-Saint Florent.	42° 40.8' N 9° 17.9' E	Fl.(2)W.R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	20 6	W. 9 R. 6	White truncated column, red top; 16.	R. 116°-080°, W.-116°.
8096 <i>E 0933.2</i>	--S. jetty, head.	42° 40.7' N 9° 18.0' E	Fl.(2)G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	13 4	3	White structure, green top; 10.	
8098 <i>E 0853</i>	Centuri.	42° 58.0' N 9° 21.0' E	Fl.G. period 4s	23 7	6		Fl.R. 4s 2m 2M close SE.
8100 <i>E 0852</i>	Cap Corse.	43° 01.6' N 9° 24.4' E	Fl.W. period 5s fl. 0.1s, ec. 4.9s	278 85	28	White tower, black top; 85.	Visible 057°-314°.
8104 <i>E 0854</i>	Macinaggio.	42° 57.6' N 9° 27.4' E	Fl.(2)W.R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	26 8	W. 11 R. 8	White tower, red top; 26.	R. 120°-218°, W.-331°, R.-360°, R. (unint.)- 120°. Fl.(2)G. 6s 2M marks N. spur head.
8108 <i>E 0855</i>	Capo Sagro.	42° 47.8' N 9° 29.5' E	Fl.(3)W. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s		10	White tower, green top; 13.	
8110 <i>E 0862</i>	Toga.	42° 42.6' N 9° 27.5' E	Q.R.	33 10	4	White tower, red top; 20.	
8110.5 <i>E 0862.6</i>	-N. breakwater, head.	42° 42.6' N 9° 27.4' E	Q.G.		2	White masonry tower; 13.	
BASTIA:							
8112 <i>E 0856</i>	-Jetee du Dragon, N. head.	42° 41.6' N 9° 27.3' E	Fl.W.R. period 4s fl. 1s, ec. 3s	52 16	W. 15 R. 12	Gray tower, red lantern; 43.	R. (unint.) 040°-130°, R.215°, W. 325°, R. 040°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CORSE (CORSICA) (F.)							
8116 <i>E 0861</i>	-Mole, head.	42° 42.0' N 9° 27.4' E	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	6 2	4	White column, red top; 3.	Visible 153°-026°.
8120 <i>E 0858</i>	-Genois Mole, head.	42° 41.6' N 9° 27.4' E	Fl.(2)G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	43 13	4	Gray tower, green top; 29.	
8124 <i>E 0860</i>	-Jetee St. Nicles.	42° 41.9' N 9° 27.3' E	Fl.G. period 4s fl. 1s, ec. 3s	29 9	11	White tower, green band and top; 16.	
8132 <i>E 0863</i>	Campoloro.	42° 20.5' N 9° 32.5' E	Fl.R. period 4s fl. 1s, ec. 3s	23 7	6	White support, red top; 16.	
8136 <i>E 0864</i>	Ruisseau d'Alistro.	42° 15.6' N 9° 32.5' E	Fl.(2)W. period 10s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 7.4s	305 93	22	Gray octagonal tower, black top, red dwelling; 89.	
8137 <i>E 0865</i>	Solenzara.	41° 51.4' N 9° 24.3' E	Iso.G. period 4s		3		
8138 <i>E 0865.2</i>	-Quay.	41° 51.5' N 9° 24.3' E	Oc.(2)R. period 6s		3		
GOLFE DE PORTO VECCHIO:							
8148 <i>E 0866</i>	-Pointe de Chiappa.	41° 35.7' N 9° 22.0' E	Fl.(3+1)W. period 15s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 4.9s	213 65	23	White square tower, red top; 69.	Visible 198°-027°.
8152 <i>E 0866.4</i>	-Tourelle Pecorella.	41° 36.7' N 9° 22.3' E	Fl.(3)G. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	39 12	6	White tower, green top; 46.	
8156 <i>E 0867</i>	-Pointe St. Cyprien.	41° 37.0' N 9° 21.4' E	Fl.W.G. period 4s fl. 1s, ec. 3s	85 26	W. 11 G. 8	White square tower, black cupola; 43.	W. 220°-281°, G.-299°, W.-072°, G.-084°, obsc.-220°.
8160 <i>E 0869</i>	-Pointe Sud de Pozzoli.	41° 36.6' N 9° 17.5' E	Oc.(2)W.R.G. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	33 10	W. 15 R. 13 G. 13	Truncated white tower, black top; 16.	G. 258°42'-271°42' W.-275°12', R.-288°12', obsc.-258°42'.
8164 <i>E 0870.3</i>	-La Ciocca, tower.	41° 35.4' N 9° 17.5' E	Fl.R. period 2s fl. 0.4s, ec. 1.6s	10 3	2	Red truncated tower; 16.	
8168 <i>E 0870</i>	-Porto Vecchio.	41° 35.2' N 9° 17.5' E	Iso.W.R.G. period 4s	29 9	W. 11 R. 10 G. 10	White pylon, red top on NW. angle of hangar.	G. 208°30'-223°30', W.-225°30', R.-shore.
8172 <i>E 0870.6</i>	-S. jetty.	41° 35.4' N 9° 17.2' E	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	16 5	6	White tower, red top; 13.	Visible 212°-302°.
8176 <i>E 0870.8</i>	-N. jetty.	41° 35.5' N 9° 17.3' E	Fl.G. period 4s fl. 1s, ec. 3s	13 4	5	White tower, green top; 7.	Visible 200°-290°.
8180 <i>E 0871.5</i>	<i>Iles Cerbicales La Vacca, "2" Buoy.</i>	41° 32.7' N 9° 24.0' E	Q.(3)W. period 10s			E. CARDINAL BYB, pillar, topmark.	Radar reflector.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SARDEGNA (SARDINIA) (I.)							
STRAIT OF BONIFACIO:							
8188 <i>E 0942</i>	-Isola Santa Maria.	41° 17.4' N 9° 23.1' E	Fl.(4)W. period 20s fl. 1s, ec. 3s fl. 1s, ec. 3s fl. 1s, ec. 3s fl. 1s, ec. 7s	56 17	10	White two-story dwelling; 39.	Visible 173°-016°.
8192 <i>E 0946</i>	-Isola Corcelli.	41° 18.1' N 9° 24.1' E	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	72 22	11	Black tower, red band; 39.	
8196 <i>E 0940</i>	-Isola Razzoli.	41° 18.4' N 9° 20.4' E	Fl.W.R. period 2.5s fl. 0.1s, ec. 2.4s	253 77	W. 19 R. 15	Conical truncated stone tower; 39.	W. 022°-092°, R.-137°, W.-237°, R.-320°.
	-RACON		M(— —) period 30s		6		
8200 <i>E 0936</i>	-Longonsardo (Santa Teresa de Gallura).	41° 14.6' N 9° 12.0' E	Fl.W.R. period 3s fl. 1s, ec. 2s	37 11	W. 10 R. 8	White hut; 26.	R. 030°-164°, W.-184°, R.-210°.
8204 <i>E 0937</i>	-Entrance Range, front.	41° 14.2' N 9° 11.7' E	Oc.R. period 4s lt. 3s, ec. 1s	39 12	3	Green and white pile, white rectangular daymark, black stripe; 33.	Visible 181°30'-211°30'.
			F.G.	20 6	3		
(For other lights in Bonifacio Strait, see Cap Pertusato).							
8204.1 <i>E 0937.1</i>	--Rear, 1280 meters 196°30' from front.	41° 13.7' N 9° 11.5' E	Fl.R. period 4s fl. 0.5s, ec. 3.5s	148 45	7	White pile, white rectangular daymark, black stripe; 16.	Visible 151°30'-241°30'.
8208 <i>E 0938</i>	-Capo Testa.	41° 14.6' N 9° 08.7' E	Fl.(3)W. period 12s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 6.8s	220 67	22	White tower, two galleries; 75.	Visible 017°-256°. Reserve light range 11M.
8212 <i>E 1130</i>	Isola Asinara.	41° 07.2' N 8° 19.1' E	Fl.(4)W. period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	262 80	16	White round tower, two galleries, on dwelling; 115.	Reserve light range 13M.
GOLFO DELL'ASINARA:							
-Porto Torres:							
8216 <i>E 1138</i>	--Porto Torres.	40° 50.1' N 8° 23.9' E	L.Fl.(2)W. period 10s fl. 2s, ec. 2s fl. 2s, ec. 4s	147 45	16	Tower on two-story white house; 66.	Reserve light range 12M.
8220 <i>E 1140</i>	--E. breakwater, head.	40° 50.7' N 8° 24.0' E	L.Fl.R. period 6s fl. 2s, ec. 4s	36 11	8	Red column on pedestal; 20.	F.R. and F.G. light is shown at entrance to basin near root of breakwater.
8224 <i>E 1139</i>	--W. breakwater, head.	40° 50.9' N 8° 24.0' E	L.Fl.G. period 6s fl. 2s, ec. 4s	37 11	11	Green column on hut; 30.	Reserve light range 8M. Radar reflector.
	--RACON		P(• — — •) period 30s		6		
8232 <i>E 1141</i>	--Pontile del Faro.	40° 50.4' N 8° 24.0' E	F.R., F.G. (vert.)	23 7 19 6	3	Red and green bands; 16.	2 F.G. (vert.) marks head of W. mole.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SARDEGNA (SARDINIA) (I.)							
8236 <i>E 1136.8</i>	--Pontile de Levante.	40° 50.9' N 8° 22.8' E	Fl.(3)R. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	33 10	4	Red post; 23.	
8244 <i>E 1136.32</i>	---E. head.	40° 51.0' N 8° 23.1' E	Fl.(3)G. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	31 9	4	Green post; 23.	
8248 <i>E 1136.6</i>	-Pier No. "1", S.I.R. terminal.	40° 50.9' N 8° 22.4' E	F.G., F.R. (vert.)	23 7 20 6	3	Red mast, green bands; 16.	
8249 <i>E 1136.4</i>	--W. Range, front.	40° 50.2' N 8° 22.3' E	Iso.G. period 2s F.G.	89 27 79 24	2	Metal mast, white rectangular daymark, black stripe; 98	Visible 135°-225°.
8249.1 <i>E 1136.41</i>	---Rear, 120 meters 180° from front.	40° 50.1' N 8° 22.3' E	F.G., Oc.G. period 4s lt. 3s, ec. 1s	115 35 102 31	2	Metal mast, black rectangular daymark and white stripe; 92.	Visible 135°-225°.
8250 <i>E 1136.5</i>	--E. Range, front.	40° 50.2' N 8° 20.5' E	Iso.R., F.R. period 2s	52 16 43 13	2	Metal framework tower, white square daymark and black stripe; 56.	Visible 135°-225°
8250.1 <i>E 1136.51</i>	---Rear, 120 meters 180° from front.	40° 50.1' N 8° 22.5' E	F.R., Oc.R. period 4s lt. 3s, ec. 1s	75 23 66 20	2	Metal framework tower, black square daymark and white stripe; 49.	Visible 135°-225°.
8252 <i>E 1136.55</i>	-Pier No. "2", S.I.R. Terminal.	40° 50.8' N 8° 21.4' E	2 F.G. (vert.)	33 10	3	Green mast; 16.	
8262 <i>E 1135</i>	-Fiumo Santo Power Plant.	40° 51.5' N 8° 18.3' E	Fl.Y. period 3s fl. 0.5s, ec. 2.5s	20 6	3	Yellow round tower; 20.	Marks watering place.
8264 <i>E 1134</i>	-Stintino.	40° 56.2' N 8° 13.8' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	19 6	3	Green truncated beacon; 16.	
8264.5 <i>E 1134.4</i>	-Mole, head.	40° 56.2' N 8° 13.8' E	Fl.R. period 4s fl. 1s, ec. 3s	20 6	4	Red mast.	
8265 <i>E 1133.5</i>	-Punta Salippi.	40° 59.2' N 8° 12.7' E	Fl.W.R.G. period 3s fl. 1s, ec. 2s	20 6	W. 5 R. 4 G. 4	White pillar, black stripes; 16.	G. 293°18'-297°, W.-305°, R.-308°42'.
8266 <i>E 1133</i>	--Passagio dei Fornelli.	40° 59.2' N 8° 13.5' E	Fl.W.R.G. period 3s fl. 1s, ec. 2s	20 6	W. 6 R. 4 G. 4	White pillar, black stripes; 13.	G. 065°12'-068°12', W.-076°12', R.-079°12'.
8268 <i>E 1132</i>	-Rada della Reale.	41° 03.2' N 8° 17.7' E	Fl.W.R. period 5s fl. 0.5s, ec. 4.5s	36 11	W. 7 R. 5	White round tower; 36.	R. 297°-320°, W.-297°.
PORTO CONTE:							
8276 <i>E 1124</i>	- Capo Caccia.	40° 33.6' N 8° 09.8' E	Fl.W. period 5s fl. 0.2s, ec. 4.8s	610 186	24	White tower on three-story dwelling; 79.	Reserve light range 18M.
8280 <i>E 1126</i>	-Porto Conte.	40° 35.6' N 8° 12.3' E	Fl.W. period 3s fl. 1s, ec. 2s	57 17	10	White truncated conical tower; 26.	
8284 <i>E 1122</i>	Isolotto della Maddalena.	40° 34.3' N 8° 18.1' E	Fl.R. period 5s fl. 1s, ec. 4s	33 10	4	White truncated tower, red bands; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SARDEGNA (SARDINIA) (I.)							
8285 <i>E 1122.6</i>	--Inner breakwater, head.	40° 35.4' N 8° 17.4' E	F.G.	23 7	3	Green mast; 16.	Private light.
PORTO ALGERO:							
8286 <i>E 1117</i>	-S. mole, head.	40° 33.9' N 8° 18.3' E	Fl.G. period 3s fl. 1s, ec. 2s	33 10	8	Green column; 20.	
8288 <i>E 1117.2</i>	--Molo di Sottoflutto, head.	40° 32.9' N 8° 18.5' E	Fl.R. period 3s fl. 1s, ec. 2s	33 10	8	Red column; 20.	
8290 <i>E 1119.2</i>	-Secca delle Murge.	40° 33.7' N 8° 18.5' E	Fl.G. period 4s fl. 0.5s, ec. 3.5s	20 6	5	STARBOARD (A) G, beacon, topmark; 13.	Radar reflector.
8292 <i>E 1118</i>	-Pier, head.	40° 33.6' N 8° 18.7' E	F.G.	23 7	3	Green post; 20.	
8296 <i>E 1119</i>	-N. breakwater, head.	40° 33.7' N 8° 18.8' E	F.R.	23 7	3	Red post; 20.	
8300 <i>E 1120</i>	Alghero AVIATION LIGHT.	40° 38.0' N 8° 17.0' E	Al.FI.W.G.				Occasional.
8308 <i>E 1116.4</i>	-E. side, mole, head.	40° 17.2' N 8° 28.6' E	F.G., F.R. (vert.)	26 8 20 6	3	Red mast, green top; 23.	
8309 <i>E 1116.5</i>	-Outer mole, head.	40° 17.1' N 8° 28.5' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	36 11	11	Red post; 20.	Reserve light range 8M.
8312 <i>E 1112</i>	Capo Mannu.	40° 02.1' N 8° 22.7' E	Fl.(3)W. period 15s fl. 1.5s, ec. 2s fl. 1.5s, ec. 2s fl. 1.5s, ec. 6.5s	195 59	15	White quadrangular tower on dwelling; 36.	Reserve light range 11M. Private light.
8316 <i>E 1111</i>	Isolotto di Mal di Ventre, highest point.	39° 59.5' N 8° 18.3' E	Fl.W.R. period 6s fl. 1s, ec. 5s	85 26	W. 11 R. 8	Round turret on white square sentry hut; 26.	R. 004°-020°, W.-004°.
8320 <i>E 1108</i>	-Capo San Marco.	39° 51.6' N 8° 26.1' E	Fl.(2)W. period 10s fl. 0.2s, ec. 2s fl. 0.2s, ec. 7.6s L.Fl.R. period 5s fl. 2s, ec. 3s	187 57 180 55	22	Round tower, two galleries, on two-story dwelling; 49. Same structure.	Visible 097°30'-102°30'.
8324 <i>E 1106</i>	-Torre Grande.	39° 54.4' N 8° 31.1' E	Fl.R. period 5s fl. 1s, ec. 4s	60 18	8	Round tower; 52.	
8332 <i>E 1107.2</i>	--Pontile Sipsa, head.	39° 53.4' N 8° 32.2' E	F.R., F.G. (vert.)	30 9 26 8	3	Green and red post; 20.	Private light.
8336 <i>E 1107.6</i>	--Pontile Perlite, head.	39° 53.5' N 8° 32.1' E	F.R., F.G. (vert.)	42 13 39 12	3	Red and green post; 36.	Private light.
8344 <i>E 1105.2</i>	--Oristano.	39° 51.9' N 8° 32.6' E	L.Fl.R. period 5s fl. 2s, ec. 3s	33 10	7	Red metal pillar on pedestal; 26.	Private light.
8353 <i>E 1104.2</i>	--Mole, head.	39° 49.6' N 8° 33.1' E	Fl.Y. period 3s fl. 0.5s, ec. 2.5s	16 5	3		
8356 <i>E 1104</i>	-Capo Fresca.	39° 46.1' N 8° 27.4' E	Fl.W. period 6s fl. 1s, ec. 5s	218 66	11	White round tower on square base; 25.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SARDEGNA (SARDINIA) (I.)							
8358 <i>E 1103.24</i>	Buggerru.	39° 24.2' N 8° 23.9' E	Fl.R. period 3s fl. 1s, ec. 2s		4	Red support; 23.	Fl.G. 3s 4M marks W. mole.
CANALE DI SAN PIETRO:							
8360 <i>E 1103</i>	-Isola Piana, N. extremity.	39° 11.7' N 8° 19.2' E	Fl.(2)W.R. period 8s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	59 18	7	White round tower; 26.	R. 209°-231°, W.-209°, F.G. 3M marks head of breakwater about 625 meters SE. Radar reflector.
8362 <i>E 1103.2</i>	-Secca Grande.	39° 12.8' N 8° 20.3' E	Fl.(2)W. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	20 6	5	ISOLATED DANGER BRB, articulated beacon, topmark.	Radar reflector.
8363 <i>E 1099.2</i>	-Portoscuso.	39° 12.0' N 8° 22.8' E	2 F.R. (vert.)		4	Post.	Private light.
8364 <i>E 1099</i>	-Scolglio la Ghinghetta.	39° 12.0' N 8° 22.2' E	Fl.(2)W.R. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	39 12	W. 11 R. 8	Truncated tower, black and red bands; 33.	W. 116°-153°, R.-165°, W.- 100°, R.-116°.
8370 <i>E 1100</i>	---No. "1".	39° 11.5' N 8° 22.4' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	16 5	4	STARBOARD (A) G, articulated beacon, topmark; 20.	Radar reflector.
8371 <i>E 1100.04</i>	---No. "2".	39° 11.6' N 8° 22.4' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	16 5	4	PORT (A) R, articulated beacon, topmark; 20.	Channel marked by lighted beacons. Radar reflector.
8374 <i>E 1100.5</i>	--Extension of Molo di Ponente.	39° 11.5' N 8° 23.1' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	20 6	3	PORT (A) R, beacon, topmark; 20.	Radar reflector.
8376 <i>E 1100.8</i>	---Elbow.	39° 11.7' N 8° 23.4' E	2 F.R. (vert.)	36 11 33 10	3	Red post; 23.	Visible 195°-063°.
8380 <i>E 1101</i>	--Nuovo Diga di Levante.	39° 11.6' N 8° 23.5' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	37 11	7	Green column on hut.	
-Carloforte:							
8388 <i>E 1093</i>	--Entrance Range, front, Duono.	39° 08.7' N 8° 18.4' E	F.R.	75 23	3	White bell tower; 72.	
8392 <i>E 1093.1</i>	--Rear, about 380 meters 273°27' from front.	39° 08.8' N 8° 18.1' E	F.R.	131 40	3	Black and white checkered tower; 16.	
8396 <i>E 1096</i>	--Molo della Sanita, head.	39° 08.7' N 8° 19.1' E	Fl.G. period 3s fl. 1s, ec. 2s	26 8	6	Green post; 20.	
8400 <i>E 1095</i>	-Molo Central, at head.	39° 08.7' N 8° 18.6' E	2 F.G. (vert.)	30 9 26 8	3	Green post; 20.	
8404 <i>E 1094.6</i>	--New pier.	39° 08.6' N 8° 18.5' E	F.R., F.G. (vert.)	23 7 16 5	3	Green and red post; 16.	
8412 <i>E 1094</i>	--Leading beacon Range, front.	39° 08.4' N 8° 18.6' E	F.R.	36 11	6	Gray building with N. corner in black and white bands; 26.	
8414 <i>E 1094.1</i>	--Rear, 1650 meters 241°55' from front.	39° 08.0' N 8° 17.6' E	Fl.R. period 3s fl. 1s, ec. 2s	246 75	9	White beacon; 13.	Visible 221°-251°.
8416 <i>E 1092</i>	--Molo San Vittorio (Molo S.), head.	39° 08.5' N 8° 19.0' E	Fl.R. period 3s fl. 1s, ec. 2s	24 7	8	Red post; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SARDEGNA (SARDINIA) (I.)							
8418 <i>E 1093.5</i>	-Secca dei Marmi Beacon.	39° 09.0' N 8° 20.0' E	Fl.Y. period 3s	20 6	4	SPECIAL Y, articulated beacon, topmark.	Radar reflector.
8419 <i>E 1093.6</i>	-Approach beacon.	39° 08.6' N 8° 20.0' E	L.Fl.W. period 10s fl. 2s, ec. 8s	20 6	6	SAFE WATER RW, articulated beacon, topmark.	Radar reflector.
8419.5 <i>E 1096.5</i>	-Fishing harbor, S. pier, head.	39° 08.8' N 8° 18.7' E	2 F.R. (vert.)	23 7 16 5	2	Red mast; 13.	Private light.
8419.75 <i>E 1096.6</i>	-- N. pier, head.	39° 08.9' N 8° 18.7' E	2 F.G. (vert.)	23 7 16 5	2	Green mast; 13.	Private light.
8420 <i>E 1098</i>	-Calasetta, Isola di Sant' Antioco, N. side, outer mole, head.	39° 06.8' N 8° 22.4' E	2 F.G. (vert.)	20 6 16 5	3	Green mast; 16.	F.R. on silo. Private light.
8424 <i>E 1098.4</i>	--Inner mole, head.	39° 06.8' N 8° 22.5' E	2 F.R. (vert.)	19 6 16 5	3	Red mast; 16.	Private light.
8428 <i>E 1086</i>	Scoglio Mangiabarche.	39° 04.6' N 8° 20.7' E	Fl.W. period 6s fl. 1s, ec. 5s	40 12	11	White tower; 33.	
8432 <i>E 1090</i>	Capo Sandalo.	39° 08.8' N 8° 13.5' E	Fl.(4)W. period 20s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 12.3s	438 134	24	White round tower on two story stone dwelling; 98.	Aeromarine light. Visible 322°-191° and in Canale di Pietro 311°- 322°. Reserve light range 18M.
GOLFO DI PALMAS:							
8436 <i>E 1074</i>	-Isolotta Il Toro.	38° 51.6' N 8° 24.6' E	Fl.(2)W.R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	387 118	W. 11 R. 8	Round tower on white hut; 26.	W. 205°-199°, R.-205°.
8440 <i>E 1080</i>	-Saint Antioco Ponti.	39° 03.5' N 8° 28.4' E	Fl.W. period 5s fl. 1s, ec. 4s	75 23	15	Square tower on two-story dwelling, black and white bands; 72.	Reserve light range 11M.
8444 <i>E 1084</i>	--Banchina del Carbone, SE. head.	39° 03.3' N 8° 28.3' E	2 F.G.R. (vert.)	26 8 23 7	3	Gray pole; 23.	Fl.G. and Fl.R. articulated lights mark entrance channel.
PORTO DI TEULADA							
8445 <i>E 1073</i>	-Outer mole, head.	38° 55.6' N 8° 43.3' E	Fl.R. period 4s fl. 1s, ec. 3s	26 8	6	Red post; 7.	Private light.
8446 <i>E 1073.1</i>	-Inner mole, head.	38° 55.6' N 8° 43.2' E	Fl.G. period 4s fl. 1s, ec. 3s	26 8	6	Green post; 16.	Private light.
8448 <i>E 1072</i>	Capo Spartivento.	38° 52.6' N 8° 50.7' E	Fl.(3)W. period 15s fl. 0.2s, ec. 3.3s fl. 0.2s, ec. 3.3s fl. 0.2s, ec. 7.8s	265 81	18	Red tower on two-story dwelling; 62.	Visible 240°-085°, and 093°- 094°.
8449 <i>E 1071.2</i>	-Cala Verde, right mole, head.	38° 59.1' N 9° 00.2' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	26 8	3	Green mast; 16.	Tourist port.
8449.1 <i>E 1071</i>	--Left mole, head.	38° 58.7' N 8° 59.9' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	26 8	3	Red mast; 16.	Tourist port.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SARDEGNA (SARDINIA) (I.)							
8452 <i>E 1070</i>	Capo di Pula.	38° 59.1' N 9° 00.9' E	Fl.(4)W. period 15s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 8s	157 48	11	White round masonry tower; 52.	
GOLFO DI CAGLIARI:							
-Sarroch:							
8456 <i>E 1067</i>	--Oil Terminal Platform.	39° 05.2' N 9° 03.1' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	89 27	6	Red platform on column.	Approach channel marked by articulated beacons. Private light.
8464 <i>E 1066.7</i>	--Pontile SARAS, Chimica, No. "2" head. Approach Range, front.	39° 05.9' N 9° 01.7' E	2 Iso.R. (vert.) period 2s	36 11	3	Pole, white and red striped triangular board, point up; 16.	2 F.G. (vert.) light is shown at head of inner spur. Private light.
8468 <i>E 1066.71</i>	--Pontile SARAS, No. "2", rear, about 1240 meters 291° from front.	39° 06.1' N 9° 00.9' E	2 Oc.R. (vert.) period 4s lt. 3s, ec. 1s	92 28 89 27	3	Pole, white and red striped triangular board, point down; 33.	Visible 287°-295°. Private light.
8476 <i>E 1066.24</i>	--Pontile Rumianca Sud, head.	39° 09.3' N 9° 02.9' E	2 F.R.G. (vert.)	29 9 26 8	3	Red and green banded pole; 10.	Private light.
8480 <i>E 1066.26</i>	--Pontile Rumianca Sud, 240 meters 306° from head.	39° 09.4' N 9° 02.7' E	Q.W.	29 9	3	White mast; 10.	Private light.
8484 <i>E 1066.28</i>	--Pontile Rumianca Sud, 960 meters 306° from head.	39° 09.6' N 9° 02.4' E	Iso.R.G. period 2s	29 9	3	Green and red banded pole; 10.	G. 126°-306°, R.-126°. Private light.
8488 <i>E 1066</i>	--About 160 meters 000° from Pontile Rumianca Sud Root.	39° 09.9' N 9° 02.2' E	Oc.G. period 6s lt. 5s, ec. 1s	70 21	4	Green pole; 49.	Visible 126°-306°. Private light.
8492 <i>E 1066.2</i>	--About 206 meters 247° from Pontile Rumianca Sud Root.	39° 09.8' N 9° 02.0' E	Oc.R. period 4s lt. 3s, ec. 1s	70 21	4	Red mast; 49.	Visible 306°-126°. Private light.
-Cagliari:							
8500 <i>E 1056.2</i>	--W. breakwater, head.	39° 12.1' N 9° 06.6' E	Fl.R. period 3s fl. 1s, ec. 2s	43 13	9	White tower, red bands; 36.	Visible 120°-060°.
8501 <i>E 1056</i>	---Elbow.	39° 12.2' N 9° 06.6' E	F.R.	23 7	4	Red post.	Visible 110°-330°.
8502 <i>E 1057</i>	---E. breakwater, head.	39° 11.7' N 9° 06.5' E	Fl.G. period 3s fl. 1s, ec. 2s	43 13	9	White tower, green band; 36.	
---RACON							
			C(— • — •) period 30s		6		
8503 <i>E 1057.4</i>	--Approach.	39° 11.0' N 9° 06.6' E	Fl.(2+1)G. period 5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 2s	20 6	3	PREFERRED CHANNEL (A) GRG, beacon, topmark.	Fl.(2+1)G. 7s 6m 3M and Fl.(2+1)R. 7s 6m 3M beacons close S.
8503.2 <i>E 1065.62</i>	--Molo Settentrionale, head.	39° 11.7' N 9° 05.8' E	Fl.(2)G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s		5	Green column.	Private light.
8503.25 <i>E 1065.61</i>	--Molo Meridionale, head.	39° 11.5' N 9° 05.6' E	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s		5	Red column.	Private light.
8503.4 <i>E 1065.625</i>	--Entrance, NE. side.	39° 11.7' N 9° 05.7' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	16 5	4	STARBOARD (A) G, mast, topmark.	Obscured 183°-268°. Private light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SARDEGNA (SARDINIA) (I.)							
8503.45 <i>E 1065.615</i>	--SW. side.	39° 11.6' N 9° 05.6' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	16 5	4	PORT (A) R, mast, topmark.	Obscured 006°-101°. Private light.
8503.6 <i>E 1065.64</i>	--Dock approach, NE. side.	39° 12.2' N 9° 05.2' E	Fl.(2)G. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	16 5	4	STARBOARD (A) G, mast, topmark.	Private light.
8503.65 <i>E 1065.63</i>	--SW. side.	39° 12.1' N 9° 05.1' E	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	16 5	4	PORT (A) R, mast, topmark.	Private light.
8503.8 <i>E 1065.68</i>	--Dock entrance, SE. side.	39° 12.5' N 9° 04.8' E	2 F.G. (vert.)		3	Green post.	Private light.
8503.85 <i>E 1065.67</i>	--NW. side.	39° 12.5' N 9° 04.7' E	2 F.R. (vert.)		3	Red post.	Private light.
8503.9 <i>E 1065.66</i>	--Basin.	39° 13.3' N 9° 03.6' E	Fl.W. period 3s fl. 1s, ec. 2s		6	White post.	Private light.
8504 <i>E 1062</i>	--Sabaudo Mole, head.	39° 12.4' N 9° 06.5' E	F.R.	20 6	3	Red post; 16.	
8508 <i>E 1064</i>	--Molo della Capitaneria, NW. corner.	39° 12.0' N 9° 07.0' E	2 F.G. (vert.)	23 7 20 6	3	Green mast; 16.	
8512 <i>E 1063</i>	--Pontile della Dogana, SE. corner.	39° 12.6' N 9° 06.8' E	Fl.R. period 4s fl. 1s, ec. 3s	23 7	3	Red mast; 16.	
8516 <i>E 1059.2</i>	--Molo Su Siccu, NW. arm.	39° 12.2' N 9° 07.3' E	Fl.G. period 3s	19 6	3	Green pole; 16.	
8520 <i>E 1059</i>	--SE. arm.	39° 12.2' N 9° 07.4' E	F.R.	19 6	3	Red mast; 16.	
8524 <i>E 1058</i>	--Pontile Sant Elmo, head.	39° 12.1' N 9° 07.5' E	Fl.Y. period 5s fl. 1s, ec. 4s	20 6	4	SPECIAL Y, beacon, topmark.	
8528 <i>E 1065</i>	--Elmas AVIATION LIGHT.	39° 14.6' N 9° 04.0' E	Al.FI.W.G.				Occasional.
8532 <i>E 1054</i>	-Capo Sant' Elia.	39° 11.0' N 9° 08.9' E	Fl.(2)W. period 10s fl. 0.2s, ec. 3.1s fl. 0.2s, ec. 6.5s	230 70	21	White round tower, black bands, attached to two-story dwelling; 69.	Reserve light range 18M.
8536 <i>E 1053</i>	Marina Piccola del Poetto, breakwater, head.	39° 11.6' N 9° 09.8' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	19 6	1	Red mast; 13.	Private light.
8540 <i>E 1053.2</i>	-Entrance, E. side, pier, head.	39° 11.6' N 9° 09.9' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	19 6	1	Green mast; 16.	Private light.
8541 <i>E 1052.7</i>	-NE.	39° 12.5' N 9° 10.6' E	Fl.Y. period 5s fl. 1s, ec. 4s	16 5	3	SPECIAL Y, beacon, topmark.	Private light.
8544 <i>E 1042.1</i>	Baia dei Carbonara.	39° 07.9' N 9° 29.9' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	46 14	6	White skeleton tower on hut; 13.	Visible 009°-058°.
8548 <i>E 1043</i>	Capo Carbonara.	39° 06.2' N 9° 30.8' E	Fl.W. period 7.5s fl. 0.3s, ec. 7.2s	394 120	23	White tower; 16.	Visible 217°-109°. Reserve light range 18M.
8550 <i>E 1049</i>	Seccadi San Caterina beacon.	39° 05.0' N 9° 29.7' E	Q.(9)W. period 15s	16 5	5	W. CARDINAL YBY, articulated beacon, topmark.	Radar reflector.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SARDEGNA (SARDINIA) (I.)							
8552 <i>E 1048</i>	Isola dei Cavoli.	39° 05.3' N 9° 32.1' E	Fl.(2)W.R. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	242 74	W. 11 R. 8	Round tower attached to three-story building, black bands; 123.	W. 162°-073°, R.-093°, W.-128°.
8556 <i>E 1044</i>	Secca dei Berni, near Porto Giunco.	39° 06.8' N 9° 33.2' E	Fl.(2)W. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	30 9		ISOLATED DANGER BRB, tower, topmark; 26.	
8560 <i>E 1042</i>	Capo Ferrato.	39° 17.9' N 9° 38.0' E	Fl.(3)W. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	167 51	11	White tower on white dwelling; 36.	
8564 <i>E 1032</i>	Capo Bellavista.	39° 55.8' N 9° 42.8' E	Fl.(2)W. period 10s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 7.3s	541 165	26	White building, black bands; 62.	
			F.R.	476 145	6	Same building, post with red lantern.	Visible 164°-177°30'.
8568 <i>E 1034</i>	Arbatax, Mole di Levante, head.	39° 56.0' N 9° 42.0' E	F.R.	45 14	6	White truncated conical tower, red band on upper part; 20.	Visible 053°-330°.
8569 <i>E 1033</i>	-Mole, head.	39° 56.6' N 9° 42.2' E	Fl.R. period 5s fl. 1s, ec. 4s	30 9	9	White tower, red band; 26.	
8572 <i>E 1036</i>	-Molo di Ponente.	39° 56.4' N 9° 42.2' E	Fl.R.G. period 3s fl. 1s, ec. 2s	42 13	8	Green column on stone tower; 33.	R. 107°-147°, G.-107°.
8576 <i>E 1037</i>	--Arbatax tower.	39° 56.2' N 9° 42.4' E	2 F.G. (vert.)	72 22 69 21	3	Tower.	
8580 <i>E 1031</i>	Cala Gonone, outer mole.	40° 17.0' N 9° 38.0' E	F.G.	23 7	3	Green post.	
8584 <i>E 1031.2</i>	-Inner mole.	40° 16.8' N 9° 38.4' E	F.R.	23 7	3	Red post.	
8588 <i>E 1030</i>	Capo Comino.	40° 32.0' N 9° 50.0' E	Fl.W. period 5s fl. 1s, ec. 4s	85 26	15	White quadrangular masonry tower; 66.	Obscured W. of 010°. Reserve light range 8M.
8592 <i>E 1029</i>	La Caletta, outer mole.	40° 36.0' N 9° 45.0' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	36 11	1	Post on truncated pyramidal base, white and black bands; 27.	Private light.
8596 <i>E 1029.2</i>	-Inner mole.	40° 36.6' N 9° 45.3' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	42 13	4	Post on truncated pyramidal base, white and red bands; 23.	Private light.
8598	Isolotto d'Ottiolu.	40° 44.2' N 9° 43.4' E	Q.(3)W. period 10s	16 5	5	E. CARDINAL BYB, beacon, topmark.	
GOLFO DI OLBIA:							
8600 <i>E 1028</i>	-Isola Tavolara.	40° 55.2' N 9° 44.2' E	L.Fl.(2)W. period 10s fl. 2s, ec. 2s fl. 2s, ec. 4s	236 72	15	White octagonal masonry structure; 23.	Obscured W. of 341°. Reserve light range 12M.
8604 <i>E 1028.4</i>	--Porticciolo, outer mole.	40° 55.2' N 9° 43.6' E	F.R.	23 7	3	Red column; 13.	
8608 <i>E 1028.6</i>	---Inner mole.	40° 55.1' N 9° 43.6' E	F.G.	23 7	3	Green column; 13.	
8612 <i>E 1013.8</i>	-Capo Ceraso Beacon.	40° 55.5' N 9° 38.0' E	Q.W.	21 6	5	N. CARDINAL BY, articulated beacon, topmark.	Radar reflector.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SARDEGNA (SARDINIA) (I.)							
8616 <i>E 1014</i>	--Isola della Bacon.	40° 55.2' N 9° 34.1' E	L.F.I.W. period 5s fl. 2s, ec. 3s	80 24	15	White tower on two-story dwelling; 72.	Visible 180°-264°. Reserve light range 11M. Nauphone: Mo.(B) ev. 30s.
	--RACON		O(---)		6		
8624 <i>E 1019</i>	--Isola di Mezzo, on S. extremity.	40° 55.2' N 9° 30.7' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	23 7	4	Green column; 16.	
	-Olbia:						
8632 <i>E 1020</i>	--Pontile Benedetto Brin, S. corner, head.	40° 55.3' N 9° 30.6' E	F.G.	20 6	3	Green mast; 16.	
8640 <i>E 1025</i>	--Su Arrasolu Pier, E. corner of T-head.	40° 55.7' N 9° 30.9' E	F.R.	23 7	3	Red mast on white hut; 16.	Private light.
8648 <i>E 1012.2</i>	-Golf of Aranci, head of mole, S. side.	40° 59.6' N 9° 37.3' E	2 F.R.G. (vert.)	33 10	3	Green and red pile; 26.	2 F.R. (vert.) shown from head of commerical quay. F.R. 4M and F.G. 4M mark head of fishing harbor breakwaters. Private light.
8649 <i>E 1012.4</i>	--Head of mole, near launching cradle.	40° 59.5' N 9° 37.4' E	Oc.G. period 3s lt. 2s, ec. 1s	36 11	3	Green pile; 26.	2 F.G. (vert.) shown on first launching cradle.
8656 <i>E 1013.5</i>	-Bais Caddinas Marina, outer mole, head.	40° 59.0' N 9° 36.0' E	Fl.G. period 2s fl. 0.5s, ec. 1.5s	16 5	2	Green pole; 16.	
8660 <i>E 1013.6</i>	--Inner mole, head.	40° 59.7' N 9° 36.2' E	Fl.R. period 2s fl. 0.5s, ec. 1.5s	16 5	2	Red pole; 16.	2 F.R.G. (vert) light 1M is shown from T-mole head. Private light.
8664 <i>E 1010</i>	-Isolotto Figarolo, Golfo di Olbia, entrance, N. side.	40° 58.7' N 9° 38.6' E	Fl.W. period 5s fl. 1s, ec. 4s	233 71	11	White masonry tower, black bands; 20.	Visible 225°-076°.
8665 <i>E 1009.65</i>	Punta Cala Volpe.	41° 02.3' N 9° 33.7' E	Q.W.	16 5	4	N. CARDINAL BY, beacon, topmark.	
8666 <i>E 1009.8</i>	Punta Canigione.	41° 01.5' N 9° 35.7' E	Q.W.	16 5	4	N. CARDINAL BY, beacon, topmark.	
8668 <i>E 1009.7</i>	Golfo di Marinella, jetty, head.	41° 00.3' N 9° 33.7' E	Iso.R. period 6s	19 6	3	Red mast; 13.	Private light.
8669 <i>E 1009.56</i>	Porto Rotondo, shelter mole.	41° 01.8' N 9° 32.6' E	Fl.W.R. period 5s fl. 1s, ec. 4s	25 8	W. 7 R. 5	White mast; 20.	R. 215°-240°, W.-215°.
8669.5 <i>E 1009.6</i>	-N. breakwater.	41° 01.7' N 9° 32.6' E	Fl.R. period 2s fl. 0.5s, ec. 1.5s	16 5	3	Red mast; 11.	
8670 <i>E 1009.62</i>	--S. breakwater.	41° 01.6' N 9° 32.6' E	Fl.G. period 2s fl. 0.5s, ec. 1.5s	16 5	3	Green mast; 11.	
8671 <i>E 1009.5</i>	-Portisco, Marina di Sa Petra, E. mole.	41° 02.3' N 9° 31.6' E	Fl.G. period 4s	20 6	4	Black and white tower.	Fl.R. 4s 6m 4M marks W. mole.
8672 <i>E 1009</i>	Punta Ligata.	41° 03.9' N 9° 32.3' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	36 11	3	White conical tower; 10.	Shown June 1 to Sept. 30.
8676 <i>E 1009.2</i>	Cala di Volpe, N. cove, E. entrance point.	41° 04.9' N 9° 32.4' E	Fl.G. period 4s fl. 0.5s, ec. 3.5s	19 6	1	White mast, black bands; 19.	
8680 <i>E 1009.4</i>	-W. entrance point.	41° 05.0' N 9° 32.1' E	Fl.R. period 4s fl. 0.5s, ec. 3.5s	23 7	1	White mast, red bands; 19.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SARDEGNA (SARDINIA) (I.)							
8684 <i>E 1008.4</i>	Isole Poveri, S. islet.	41° 05.2' N 9° 34.8' E	Fl.(2)W. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	33 10	4	ISOLATED DANGER BRB, tower; 10.	
8686 <i>E 1008.5</i>	--NE. shoal.	41° 05.7' N 9° 35.5' E	Q.(3)W. period 10s	20 6	4	E. CARDINAL BYB, beacon, topmark.	
8688 <i>E 1008.7</i>	Isolotti Mortoriotto, NE. islet.	41° 05.2' N 9° 37.1' E	Fl.(2)W. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	20 6	4	ISOLATED DANGER BRB, post; 13.	
8692 <i>E 1005.4</i>	Porto Cervo, S. entrance point.	41° 08.2' N 9° 32.2' E	Fl.R. period 4s fl. 0.5s, ec. 3.5s	23 7	6	Red conical tower; 16.	
8696 <i>E 1005</i>	-N. entrance, point.	41° 08.2' N 9° 32.2' E	Fl.G. period 4s fl. 0.5s, ec. 3.5s	23 7	6	Green conical tower; 16.	
8700 <i>E 1006</i>	-Head of bay, range, front.	41° 08.0' N 9° 31.3' E	Iso.R. period 2s	89 27	3	Quadrangular white tower with black median stripe on both faces, surmounted by white cement posts; 26.	Visible 247°-24'-252°-24'.
8704 <i>E 1006.1</i>	--Rear, 270 meters 252°-22' from front.	41° 07.9' N 9° 31.2' E	Oc.R. period 4s lt. 3s, ec. 1s	154 47	3	Quadrangular white tower with black median stripe; 10.	Visible 247°-24'-252°-24'.
8708 <i>E 1007</i>	-Inner N. breakwater.	41° 08.1' N 9° 31.9' E	F.G.	23 7	3	Green mast; 16.	
8712 <i>E 1007.3</i>	-Inner reef, S.	41° 08.0' N 9° 32.0' E	F.R.	23 7	3	Red mast; 16.	
8716 <i>E 1008</i>	Isole di li Nibani, on N. islet.	41° 08.9' N 9° 34.0' E	Q.W.	68 21	4	N CARDINAL BY, tower, topmark; 10.	
8720 <i>E 1004</i>	Secche del Cervo.	41° 08.6' N 9° 32.7' E	Q.(3)W. period 10s	20 6	4	E. CARDINAL BYB, beacon, topmark; 7.	
8724 <i>E 1002</i>	Capo Ferro.	41° 09.3' N 9° 31.4' E	Fl.(3)W. period 15s fl. 0.3s, ec. 2.7s fl. 0.3s, ec. 2.7s fl. 0.3s, ec. 8.7s Oc.R. period 5s lt. 4s, ec. 1s	170 52 137 42	24 8	White round tower on two-story dwelling; 59. Visible 189°-203° over Secca delle Bisce and dei Monaci.	Reserve light 18M.
8728 <i>E 1003</i>	-320 meters 053° from main light.	41° 09.4' N 9° 31.6' E	Fl.R. period 3s fl. 1s, ec. 2s	46 14	8	Truncated conical tower, red and white bands; 34.	
8732 <i>E 1000</i>	Isola delle Bisce, S. side.	41° 09.7' N 9° 31.5' E	Fl.G. period 3s fl. 1s, ec. 2s	36 11	8	White conical tower, green band; 31.	Visible 255°-110°.
8736 <i>E 0998</i>	Isolotti Monaci.	41° 13.0' N 9° 31.1' E	Fl.W.R. period 5s fl. 1s, ec. 4s	79 24	W. 11 R. 8	White truncated conical tower; 52.	R. 246°-268°, W.-317°, R.- 357°, W.-246°.
8736.5 <i>E 0998.6</i>	-Secca dei Monaci.	41° 13.3' N 9° 32.6' E	Q.W.	20 6	3	N. CARDINAL BY, beacon, topmark.	
8737 <i>E 0995.4</i>	Porticciolo di Poltu Quatu, E. breakwater.	41° 08.5' N 9° 29.7' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	23 7	4	Red pile; 13.	Private light.
8738 <i>E 0995.42</i>	-W. breakwater.	41° 08.5' N 9° 29.7' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	23 7	4	Green pile; 13.	Private light.
8740 <i>E 0994</i>	Secca di Tre Monti Beacon.	41° 09.4' N 9° 27.8' E	Fl.(2)W. period 8s	16 5	5	ISOLATED DANGER BRB, articulated beacon, topmark.	Radar reflector.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SARDEGNA (SARDINIA) (I.)							
8742 <i>E 0995</i>	Porticciolo di Cannigione.	41° 07.0' N 9° 27.0' E	F.G.	23 7	3	Green post; 16.	
8744 <i>E 0996</i>	Isola Caprera, on Punta Rossa.	41° 10.1' N 9° 28.2' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	30 9	5	Mast next to green truncated pyramidal tower.	Visible 275°-110°.
8748 <i>E 0992</i>	Capo d'Orso, NE. extremity.	41° 10.6' N 9° 25.4' E	Fl.W. period 3s fl. 1s, ec. 2s	39 12	10	White tower; 33.	
LA MADDALENA:							
8752 <i>E 0991</i>	-Punta Villamarina, Isola S. Stefano.	41° 11.2' N 9° 24.6' E	Fl.G. period 4s fl. 1s, ec. 3s	46 14	4	Green metal column on pedestal; 19.	
8753 <i>E 0993</i>	-Cala Capra, N. mole, head.	41° 10.1' N 9° 25.3' E	F.G.	20 6	4	Green metal column on pedestal; 16.	
8756 <i>E 0966</i>	-Isola Chiesa, S. extremity, mole, head.	41° 12.6' N 9° 25.1' E	F.R.	23 7	3	Red mast on pedestal; 15.	
8760 <i>E 0960</i>	--La Maddalena Range, front.	41° 12.8' N 9° 25.1' E	F.G.	56 17	3	White column, black median stripe; 13.	
8761 <i>E 0960.1</i>	---Rear, 680 meters 066° from front.	41° 12.9' N 9° 25.3' E	F.G.	121 37	3	Flagpole, white wall, black median stripe; 26.	
8764 <i>E 0968</i>	--Beacon, 174 meters SW. of mole at S. extremity of island.	41° 12.5' N 9° 25.0' E	F.G.	19 6	3	Green post on stone base; 16.	
8766 <i>E 0955</i>	-Punta Tegge.	41° 12.6' N 9° 22.8' E	Fl.R. period 4s fl. 0.5s, ec. 3.5s	13 4	3	PORT (A) R, beacon, topmark.	
8768 <i>E 0957</i>	-Guardia Vecchia Range, front.	41° 12.8' N 9° 23.9' E	Iso.G. period 2s	164 50	8	White hut, black median stripe; 3.	Visible 008°18'-019°48' between Secche del Paulau and Roma.
8772 <i>E 0957.1</i>	---Rear, about 869 meters 014° from front.	41° 13.3' N 9° 24.0' E	Oc.G. period 4s lt. 3s, ec. 1s	492 150	8	White hut, black median stripe; 3.	Visible 008°18'-019°18'.
8776 <i>E 0962.4</i>	-Via G. Amendola, E. extremity.	41° 12.7' N 9° 24.5' E	F.R.	23 7	3	Red mast; 16.	
8780 <i>E 0962</i>	--W. extremity, E. side of Cala Gavetta entrance.	41° 12.7' N 9° 24.4' E	F.G.	23 7	3	Green mast; 20.	Private light.
8784 <i>E 0961</i>	--Mole, new head.	41° 12.6' N 9° 24.3' E	F.R.	20 6	3	Red mast; 16.	
8788 <i>E 0963</i>	-Cala Mangiavolpe, pier, head.	41° 12.8' N 9° 24.6' E	Fl.Y. period 3s fl. 1s, ec. 2s	23 7	3	Yellow post; 16.	
8792 <i>E 0964</i>	-W. side of bay, breakwater, head.	41° 12.8' N 9° 24.7' E	Fl.R. period 3s fl. 1s, ec. 2s	16 5	3	Red mast; 7.	
8796 <i>E 0972</i>	-Hospital Wharf, head.	41° 12.8' N 9° 25.5' E	F.R.	23 7	3	Red mast; 20.	
8804 <i>E 0974</i>	-Cala Camiciotto, W. side of entrance, mole, head.	41° 12.8' N 9° 25.6' E	F.R.	23 7	3	Red mast; 16.	
8816 <i>E 0980</i>	-Cala Stagnali Range, front.	41° 11.9' N 9° 27.1' E	F.G.	30 9	3	White concrete post, black band.	
8820 <i>E 0980.1</i>	---Rear, about 87 meters 139° from front.	41° 11.9' N 9° 27.1' E	F.G.	46 14	3	White concrete post, black band.	
8824 <i>E 0953</i>	Secca di Mezzo Passo, Isola Maddalena, off SE. head.	41° 12.2' N 9° 22.8' E	Fl.(2)W. period 6s	23 7	5	ISOLATED DANGER BRB, topmark; 26.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SARDEGNA (SARDINIA) (I.)							
8828 <i>E 0958</i>	Secca del Palau.	41° 11.7' N 9° 23.2' E	V.Q.(6)+L.FI.W. period 10s	26 8	5	S. CARDINAL YB, lamppost, topmark.	
8829 <i>E 0958.2</i>	-Shoal, E. limit.	41° 11.9' N 9° 23.4' E	Fl.Y. period 5s fl. 0.5s, ec. 4.5s	10 3	4	SPECIAL Y, beacon, topmark.	
8832 <i>E 0988</i>	Punta Palau.	41° 11.2' N 9° 22.9' E	Fl.(2)G. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	49 15	4	White tower, green band; 33.	
8833 <i>E 0990</i>	-Palau, pier, head.	41° 10.9' N 9° 23.2' E	Fl.Y. period 3s fl. 1s, ec. 2s	20 6	3	SPECIAL Y, post, topmark; 16.	
8834 <i>E 0990.2</i>	-Beacon.	41° 10.9' N 9° 23.3' E	V.Q.(9)W. period 10s	16 5	5	W. CARDINAL YBY, topmark.	Radar reflector.
8835 <i>E 0990.6</i>	-Shelter mole.	41° 10.8' N 9° 23.2' E	F.G.	20 6	3	Green mast; 16.	
8835.5 <i>E 0990.4</i>	Marina, breakwater, head.	41° 10.8' N 9° 23.2' E	F.R.	20 6	3	Red mast; 16.	
8836 <i>E 0950</i>	Punta Coda Sardegna, island, N. coast.	41° 12.4' N 9° 21.8' E	Fl.W. period 5s fl. 1s, ec. 4s	115 35	11	White two-story dwelling; 42.	
8840 <i>E 0984</i>	Porto Massimo (Lungo), dike, head.	41° 15.0' N 9° 26.0' E	F.G.	16 5	3	Green mast; 14.	

Section 7

West Coast of Italy and Sicily

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-WEST COAST AND ADJACENT ISLANDS							
8848 <i>E 0951</i>	<i>Secca Corsara Beacon.</i>	41° 13.4' N 9° 20.2' E	Q.(6)+L.Fl.W. period 15s	23 7	5	S. CARDINAL YB, articulated beacon, topmark.	Radar reflector.
8852 <i>E 1392</i>	-Punta Paratella, island, N. point.	43° 26.2' N 9° 54.2' E	L.Fl.W. period 10s fl. 2s, ec. 8s	346 105	9	White column on pedestal; 16.	Signal station, on summit.
8856 <i>E 1394</i>	-Cala Dello Scalo, mole, head.	43° 25.7' N 9° 54.6' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	2	Red lamppost; 13.	
8860 <i>E 1396</i>	-Punta Cala Scirocco, island, SE. point.	43° 25.2' N 9° 54.1' E	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	147 45	9	White column on pedestal; 16.	
ISOLA CAPRAIA:							
8864 <i>E 1400</i>	-Punta del Ferraione.	43° 03.1' N 9° 50.7' E	L.Fl.W. period 6s fl. 2s, ec. 4s	98 30	16	White quadrangular tower and dwelling; 39.	Reserve light range 11M.
8868 <i>E 1402</i>	-Capraia, NE. mole, head.	43° 03.0' N 9° 51.0' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	23 7	4	Green post; 19.	Visible 254°-210°.
8872 <i>E 1401</i>	--NE. mole, elbow.	43° 03.0' N 9° 51.0' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	20 6	4	Green framework structure on white hut; 13.	Visible 195°-074°.
8876 <i>E 1403</i>	--Inner mole, head.	43° 02.7' N 9° 50.3' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	23 7	4	Red column; 23.	
8880 <i>E 1404</i>	-Punta del Trattoio.	43° 01.4' N 9° 47.6' E	Fl.W. period 8s fl. 1s, ec. 7s	492 150	9	White hut; 10.	
ISOLA D'ELBA:							
8884 <i>E 1444</i>	-Punta Polveraia.	42° 47.6' N 10° 06.7' E	L.Fl.(3)W. period 15s fl. 2s, ec. 2s fl. 2s, ec. 2s fl. 2s, ec. 5s	170 52	16	White tower and building; 33.	Obscured S. of 036°. Reserve light range 11M.
8888 <i>E 1408</i>	-Marciana Marina, mole, head.	42° 48.5' N 10° 11.7' E	Fl.G. period 4s fl. 1s, ec. 3s	36 11	8	Green post; 18.	
8890 <i>E 1409</i>	-Secca di Capo Bianco.	42° 49.5' N 10° 19.1' E	Q.W.	16 5	3	N. CARDINAL BY, articulated beacon, topmark.	
8892 <i>E 1410</i>	-Scoglietto, Portoferraio approach.	42° 49.7' N 10° 19.9' E	Fl.(2)W. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	79 24	7	Round tower on square masonry house; 26.	
-Portoferraio:							
8896 <i>E 1412</i>	--Forte Stella.	42° 48.9' N 10° 20.1' E	Fl.(3)W. period 14s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 7s	207 63	16	White truncated tower; 82.	Visible 104°-014°. Reserve light range 11M.
			F.R.	197 60	7	Same tower.	Visible 100°-131°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-WEST COAST AND ADJACENT ISLANDS							
8900 <i>E 1415</i>	--Mole, head.	42° 48.7' N 10° 19.8' E	2 F.R. (vert.)	23 7 16 5	3	Iron bracket on wall; 23.	
8904 <i>E 1416.5</i>	--Pontile G. Massima, head.	42° 48.7' N 10° 19.5' E	2 F.R.G. (vert.)	23 7 20 6	4	Red post, green band; 13.	A F.R. light is shown from each corner of the head.
8916 <i>E 1414</i>	--Tower Point, NW. angle.	42° 48.7' N 10° 19.9' E	2 F.G. (vert.)	43 13 36 11	3	Green post; 3.	
8920 <i>E 1417</i>	--N. mole, head.	42° 48.5' N 10° 19.1' E	F.G.	16 5	3	Green post; 10.	Private light.
8924 <i>E 1417.2</i>	--S. mole, head.	42° 48.4' N 10° 19.1' E	F.R.	16 5	3	Red post; 10.	Private light.
8928 <i>E 1424</i>	--Cavo, N. mole, head.	42° 51.6' N 10° 25.4' E	F.G.	23 7	3	Green tower; 19.	Private light.
8932 <i>E 1423</i>	--E. mole, head of pier extension.	42° 51.5' N 10° 25.4' E	2 F.R. (vert.)	36 11 33 10	3	Red mast; 29.	A F.R. 5M light is shown from head of spur of mole. Private light.
8934 <i>E 1429</i>	--Pontile Vigneria.	42° 49.2' N 10° 26.1' E	Iso.W. period 2s	33 10	5	White post; 13.	
8935 <i>E 1428.2</i>	--Inner mole, head.	42° 49.0' N 10° 25.8' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	26 8	3	Green post; 23.	
8936 <i>E 1428</i>	--Rio Marina, breakwater, head.	42° 49.0' N 10° 25.9' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	31 9	3	Red post; 23.	
--Porto Azzurro (Longone):							
8940 <i>E 1436</i>	--Pier, head.	42° 45.8' N 10° 23.9' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	20 6	6	Green column; 15.	
8944 <i>E 1434</i>	--Punta S. Giovanni.	42° 45.7' N 10° 23.7' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	49 15	6	White square hut; 10.	Visible 230°-010°.
8948 <i>E 1432</i>	-- Capo Focardo.	42° 45.2' N 10° 24.6' E	Fl.(3)W. period 15s fl. 1.5s, ec. 2s fl. 1.5s, ec. 2s fl. 1.5s, ec. 6.5s	105 32	16	Red tower on old fort; 19.	Reserve light range 11M.
8952 <i>E 1438</i>	-- Monte Poro.	42° 43.6' N 10° 14.3' E	Fl.W. period 5s fl. 1s, ec. 4s	525 160	16	White framework tower; 7.	Reserve light range 12M.
8956 <i>E 1439</i>	--Marina di Campo, pier, root.	42° 44.4' N 10° 14.3' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	111 34	10	Yellow building, white triangular dayamrk; 11.	
8960 <i>E 1440</i>	--Outer mole, head.	42° 44.5' N 10° 14.4' E	Fl.R. period 5s fl. 1s, ec. 4s	26 8	3	Red mast; 20.	Due to extremity of mole, a distance of not less than 60 meters should be maintained from the light.
8964 <i>E 1441</i>	--Pier, head.	42° 44.6' N 10° 14.3' E	F.R.	23 7	3	Red concrete post ; 16.	Visible 180°-293°. Locally maintained.
8968 <i>E 1448</i>	Isola Pianosa.	42° 35.1' N 10° 05.7' E	Fl.(2)W. period 10s fl. 1.5s, ec. 2s fl. 1.5s, ec. 5s	138 42	16	White tower on white dwelling; 62.	Reserve light range 10M.
8972 <i>E 1450</i>	--Cala San Giovanni, mole, head.	42° 35.0' N 10° 06.0' E	2 F.R. (vert.)	23 7 16 5	3	Red mast; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-WEST COAST AND ADJACENT ISLANDS							
8976 <i>E 1454</i>	Scoglio d'Africa.	42° 21.0' N 10° 04.0' E	Fl.W. period 5s fl. 1s, ec. 4s	62 19	12	Round masonry tower; 52.	
8980 <i>E 1384</i>	Secche di Vada, off Capo Cavallo.	43° 19.2' N 10° 21.9' E	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	59 18	12	ISOLATED DANGER BRB, tower, topmark; 59.	
8984 <i>E 1388.4</i>	-Head of pier 0.8 km. WNW. of village.	43° 21.1' N 10° 26.6' E	F.G., F.R. (vert.)	23 7 16 5	G. 3 R. 3	Red mast, green bands.	
8988 <i>E 1390</i>	Porto Baratti.	42° 59.6' N 10° 29.8' E	Fl.W. period 3s fl. 1s, ec. 2s	246 75	9	White framework post; 13.	
8992 <i>E 1446</i>	Isola Palmaiola.	42° 51.9' N 10° 28.6' E	Fl.W. period 5s fl. 1s, ec. 4s	344 105	10	White building; 46.	Reserve light range 11M.
8996 <i>E 1455</i>	-Rocchetta.	42° 55.2' N 10° 31.5' E	Fl.(3)W. period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	59 18	11	Square tower; 16.	
PORTOVECCHIO DI PIOMBINO:							
9000 <i>E 1456</i>	-Molo Batteria (Mole Foraneo).	42° 55.8' N 10° 33.2' E	Fl.R. period 5s fl. 1s, ec. 4s	33 10	8	Red iron post; 16.	
9004 <i>E 1458</i>	-Molo Magona d'Italia, at center of head.	42° 55.9' N 10° 32.8' E	F.G.R. (vert.)	23 7 16 5	3	Green mast, red bands; 26.	
9008 <i>E 1457</i>	-Pontile Italsider, head.	42° 56.0' N 10° 33.0' E	4 F.G. (horiz.)	23 7	3	Green posts; 10.	Private light.
9012 <i>E 1459</i>	-Darsena Italsider.	42° 56.1' N 10° 32.7' E	2 F.R. (vert.)	36 11 31 9	3	Skeleton wooden tower, stone base; 28.	Private light.
9014	-Beacon No. 3.	42° 54.0' N 10° 32.3' E	Fl.Y. period 3s fl. 0.5s, ec. 2.5s	16 5	4	SPECIAL Y, articulated beacon, topmark.	Beacon No. 2 2.9 miles NE. and No. 1 3.9 miles NE. show same characteristics. Radar reflector.
9016 <i>E 1460</i>	Torre del Sale, floating pier, root.	42° 57.0' N 10° 36.0' E	Oc.W. period 3s lt. 2s, ec. 1s	29 9	5	White pole; 26.	Entrance is marked by Oc.G. and Oc.R. lights. Two small towers, each with Fl.Y. lights, mark the sea- shore installation.
9020 <i>E 1461</i>	Follonica, pier head, N. corner.	42° 54.0' N 10° 46.0' E	F.R.G.R. (vert.)	49 15 46 14 40 12	3	Concrete post, red and black bands; 31.	A similar light is shown from S. corner of the head, and a F.G. light from middle of pier. Private light.
9024 <i>E 1462</i>	Portiglione Range, front.	42° 53.0' N 10° 47.0' E	F.R.	75 23	1	Gray framework structure.	Visible 043°-153°. Private light.
9028 <i>E 1462.1</i>	-Rear, about 28 meters 138° from front.	42° 52.8' N 10° 46.6' E	F.R.	75 23	1	Gray framework structure.	Visible 043°-153°. A F.G. light visible 2M, is shown from head of overhead cableway. Private light.
9032 <i>E 1466</i>	Punta Ala, outer mole, elbow.	42° 48.0' N 10° 44.0' E	Fl.W. period 2s fl. 0.5s, ec. 1.5s	39 12	7	White polygon tower; 24.	Obscured inside the port.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-WEST COAST AND ADJACENT ISLANDS							
9036 <i>E 1466.2</i>	-Entrance.	0° 00.0' N 0° 00.0' E	Fl.R. period 2s fl. 0.5s, ec. 1.5s		5		Private light.
9040 <i>E 1466.4</i>	--Entrance.	42° 48.2' N 10° 44.0' E	Fl.G. period 2s fl. 0.5s, ec. 1.5s		5		Private light.
9044 <i>E 1468</i>	Castiglione della Pescaia, S. mole, head.	42° 46.0' N 10° 53.0' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	4	White tower, black bands; 19.	
9048 <i>E 1470</i>	-N. mole, head.	42° 45.6' N 10° 52.2' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	4	Red and white striped conical tower; 19.	
9052 <i>E 1472</i>	Marina di Grosseto.	42° 43.0' N 10° 59.0' E	2 F.G. (vert.)	23 7 18 5	3	Green post; 16.	
9056 <i>E 1474</i>	Formiche di Grosseto, (Maggiore), N. rock.	42° 34.6' N 10° 52.9' E	Fl.W. period 6s fl. 1s, ec. 5s	77 23	11	White round masonry tower on building; 39.	
9060 <i>E 1476</i>	Talamone.	42° 33.1' N 11° 08.0' E	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	98 30	15	White quadrangular tower; 59.	Reserve light range 11M.
9068 <i>E 1477.5</i>	-Outer mole, head.	42° 33.2' N 11° 08.2' E	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	33 10	7	Red pillar on pedestal; 18.	
9076 <i>E 1480</i>	Punta Lividonia.	42° 26.7' N 11° 06.3' E	Fl.W. period 5s fl. 1s, ec. 4s	154 47	16	White round tower on two-story dwelling; 39.	Visible 035°-228°. Reserve light range 11M.
9080 <i>E 1483</i>	-Sanita, mole, head.	42° 26.5' N 11° 07.0' E	2 F.G. (vert.)	23 7 18 5	3	Green post; 20.	
PORTO SANTO STEFANO:							
9084 <i>E 1482</i>	-Porto del Valle, E. mole, head.	42° 26.2' N 11° 07.5' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	23 7	4	Red post; 16.	
9088 <i>E 1481</i>	-Molo Giuseppe Garibaldi, SE. of port, head.	42° 26.3' N 11° 07.4' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	23 7	2	Post; 20.	<i>Temporarily extinguished during work in progress on mole extension.</i>
ISOLA DEL GIGLIO:							
9092 <i>E 1486</i>	-Punta Fenaio (Fienao), island, N. point.	42° 23.2' N 10° 52.9' E	Fl.(3)W. period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	129 39	16	White octagonal tower, central red stripe, attached to a red building, white stripe; 33.	Visible 026°-249°. Reserve light range 12M.
9096 <i>E 1488</i>	-Giglio Castello Marina, E. mole, head.	42° 21.5' N 10° 55.4' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	29 9	7	Red tower; 19.	
9100 <i>E 1490</i>	--W. mole, head.	42° 21.5' N 10° 55.3' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	29 9	7	Green tower; 19.	
9104 <i>E 1492</i>	-Punta del Capel Rosso.	42° 19.2' N 10° 55.3' E	Fl.(4)W. period 30s fl. 0.2s, ec. 3.6s fl. 0.2s, ec. 3.6s fl. 0.2s, ec. 3.6s fl. 0.2s, ec. 18.4s	295 90	23	White octagonal tower, dwelling; 66.	Visible 232°-134°. Obscured by Isola di Giannutri over an arc of 008°. Reserve light range 18M.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-WEST COAST AND ADJACENT ISLANDS							
9108 <i>E 1496</i>	Isola di Giannutri, Punta Rosso.	42° 14.3' N 11° 06.6' E	Fl.W. period 5s fl. 1s, ec. 4s	200 61	13	Red and white banded tower, on red dwelling with white median band.	Visible 195°-106°.
PORT ERCOLE:							
9112 <i>E 1500</i>	-Fort La Rocca.	42° 23.4' N 11° 12.8' E	L.Fl.W.R. period 7s fl. 2s, ec. 5s	300 91	W. 16 R. 13	White round tower on parapet; 62.	R. 177°-285°, W.-010°. Reserve light range W.-11M, R.-8M.
9116 <i>E 1502</i>	-Punta Santa Barbara, mole, head.	42° 23.6' N 11° 12.7' E	Fl.R. period 3s fl. 1s, ec. 2s	30 9	8	White column, red bands; 16.	
9120 <i>E 1503</i>	-Punta Scoglione, N. side of entrance.	42° 23.7' N 11° 12.6' E	Fl.G. period 3s fl. 1s, ec. 2s	30 9	4	Green mast; 15.	
9124 <i>E 1504</i>	-Cala Galera, protective mole, head.	42° 24.2' N 11° 12.7' E	Iso.W.R. period 2s	34 10	W. 10 R. 7	Red and white banded lamppost; 16.	R. 017°-197°, W.-017°.
9128 <i>E 1504.4</i>	--Lee mole, head.	42° 24.2' N 11° 12.7' E	Iso.G. period 2s	34 10	6	Green metal column; 16.	Visible 085°-275°.
9132 <i>E 1508</i>	Monte Cappuccini.	42° 05.8' N 11° 49.1' E	Fl.(2)W. period 10s fl. 0.3s, ec. 3s fl. 0.3s, ec. 6.4s	410 125	24	Round masonry tower; 98.	Obscured eastward of 344°. Reserve light range 18M.
9136 <i>E 1506</i>	Torre Valdaliga, W. pier, head.	42° 07.2' N 11° 45.9' E	Fl.Y. period 3s fl. 1s, ec. 2s	33 10	4	Yellow post; 22.	F.R. light on chimney about 780 meters NW. Private light.
9137 <i>E 1505.2</i>	-Torrino esterno.	42° 07.4' N 11° 45.1' E	Fl.(3)Y. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	33 10	5		Private light.
9137.5 <i>E 1505</i>	-Torrino intermedio.	42° 07.4' N 11° 45.4' E	Fl.Y. period 3s fl. 1s, ec. 2s	20 6	5		Private light.
9138 <i>E 1506.2</i>	-E. pier, head.	42° 07.2' N 11° 45.9' E	Fl.Y. period 2s fl. 0.5s, ec. 1.5s	33 10	4	Yellow post; 22.	Private light.
CIVITAVECCHIA:							
9139 <i>E 1507</i>	-Punta Mattonara.	42° 06.6' N 11° 45.9' E	Iso.Y. period 2s	20 6	8	SPECIAL Y, articulated beacon, topmark.	Private light.
9140 <i>E 1510</i>	-Antemurale Colombo, head.	42° 06.4' N 11° 45.8' E	Fl.G. period 3s fl. 1s, ec. 2s	46 14	8	Green lantern on pedestal; 16.	Private light. Temporarily extinguished; a temporary Fl. G. 4s 4m 8M light marks end of breakwater extension.
9148 <i>E 1514</i>	-Banchina Campagna Rona, NW. of Molo Amerigo Vespucci, head.	42° 05.7' N 11° 46.9' E	Fl.R. period 4s fl. 1s, ec. 3s	30 9	8	Post, red and white bands; 16.	
9152 <i>E 1513</i>	-Banchina XIV Maggio, mole, head.	42° 05.8' N 11° 46.8' E	2 F.R. (vert.)	20 6 13 4	3	Red pile.	
9153 <i>E 1518.2</i>	-Molo Cialdi.	42° 05.5' N 11° 47.2' E	2 F.R. (vert.)	26 8 23 7	3	Red post; 22.	
9154 <i>E 1518.5</i>	Riva di Traiano, outer mole, head.	42° 03.9' N 11° 48.6' E	Fl.G. period 5s fl. 1.5s, ec. 3.5s	33 10	6	Green mast; 16.	Private. 2 F.R. (vert.) shown on inner mole.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-WEST COAST AND ADJACENT ISLANDS							
9154.5 <i>E 1518.7</i>	-Beacon.	42° 04.0' N 11° 48.7' E	Fl.R. period 5s fl. 1.5s, ec. 3.5s	26 8	5	Red beacon.	Private.
9156 <i>E 1518</i>	-Molo Lazaretto, head.	42° 05.5' N 11° 47.2' E	2 F.R. (vert.)	26 8 21 6	3	Red pile; 19.	2 F.G. (vert.) and 2 F.R. (vert.) shown, respectively, from piers northward.
9160 <i>E 1519</i>	Santa Marinella, on the outer mole.	42° 02.0' N 11° 52.5' E	2 F.R. (vert.)	23 7 19 6	3	Red post; 13.	
9164 <i>E 1519.4</i>	-On the inner mole.	42° 02.0' N 11° 52.4' E	2 F.G. (vert.)	16 5 13 4	3	Green post; 13.	
FIUMICINO:							
9168 <i>E 1524</i>	-N. mole, head.	41° 46.3' N 12° 13.2' E	Fl.R. period 3s fl. 1s, ec. 2s	33 10	8	Red column; 19.	
9172 <i>E 1526.3</i>	-S. mole, 60 meters from head.	41° 46.2' N 12° 12.9' E	Fl.G. period 3s fl. 1s, ec. 2s	33 10	9	Green column; 16.	
9176 <i>E 1526.2</i>	--150 meters from head.	41° 46.2' N 12° 13.2' E	2 F.G. (vert.)	30 9 26 8	4	Green post; 16.	Visible 095°-276°.
9180 <i>E 1526</i>	--At root.	41° 46.1' N 12° 13.5' E	Fl.W. period 3s fl. 1s, ec. 2s	66 20	11	White tower; 56.	Fl.G. 5s 5M and Fl.R. 5s 5M mark mouth of Tevere River 1.9 miles SSE.
9184 <i>E 7053</i>	-Offshore pipeline terminal platform, "R2".	41° 44.6' N 12° 10.0' E	Fl.(2)W. period 4s fl. 0.5s, ec. 0.5s fl. 1s, ec. 2s	33 10	5	Mast.	Floating hose with Fl.R. lights attached to platform.
9188 <i>E 7054</i>	--Platform "R1".	41° 45.1' N 12° 09.2' E	Fl.W. period 2s fl. 0.5s, ec. 1.5s	33 10	5	Post.	Nautophone: Mo.(N) ev. 30s (bl. 4s, si. 2s, bl. 2s, si. 22s).
ANZIO:							
9192 <i>E 1538</i>	-Cape d'Anzio.	41° 26.7' N 12° 37.3' E	Fl.(2)W. period 10s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 7.3s	121 37	22	Black and white banded round tower on white building; 68.	Visible 255°-155°.
9196 <i>E 1540.5</i>	-Molo Frangiflutti, elbow.	41° 26.6' N 12° 38.3' E	Fl.R. period 3s fl. 1s, ec. 2s	33 10	5	Red post; 16.	
9200 <i>E 1541</i>	-Beacon.	41° 26.7' N 12° 38.1' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	18 5	4	Green post on dolphin; 19.	
9204 <i>E 1541.3</i>	Molo Sottoflutto, head.	41° 27.0' N 12° 40.0' E	Fl.R. period 5s fl. 1.5s, ec. 3.5s	36 11	7	Red pedestal.	
9208 <i>E 1541.2</i>	-Molo Sopraflutto, head.	41° 27.1' N 12° 39.8' E	Fl.G. period 5s fl. 1.5s, ec. 3.5s	36 11	7	Green pedestal.	
9209 <i>E 1541.35</i>	-Avamporto, pier, head.	41° 27.2' N 12° 39.6' E	2 F.G. (vert.)	29 9	4		2 meters apart. Visible 355°-295°.
9212 <i>E 1541.6</i>	Tori di Foce Verde, pier, head.	41° 24.5' N 12° 48.7' E	Fl.(2)Y. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	46 14	4	Yellow iron post; 30.	Private light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-WEST COAST AND ADJACENT ISLANDS							
9216 <i>E 1577</i>	Isola Zannone, on Capo Negro.	40° 58.2' N 13° 03.5' E	Fl.(3)W. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	121 37	12	White octagonal tower, one-story building; 42.	Visible 060°-280°.
9220 <i>E 1576</i>	Punta Varo.	40° 57.9' N 13° 03.0' E	L.Fl.W. period 8s fl. 2s, ec. 6s	134 41	8	White framework tower; 16.	Visible 270°-044°.
ISOLE DI PONZIA:							
9224 <i>E 1588</i>	-Punta della Guardia.	40° 52.6' N 12° 57.2' E	Fl.(3)W. period 30s fl. 0.3s, ec. 5.7s fl. 0.3s, ec. 5.7s fl. 0.3s, ec. 17.7s	367 112	24	White octagonal tower on two-story red and white banded dwelling; 58.	Visible 225°-155°, except where obscured by Isola Palmarola (118°-136°). Reserve light range 18M.
			Fl.R. period 5s fl. 1s, ec. 4s	315 96	8	Hut at foot of same tower; 7.	Visible 235°-265°.
9228 <i>E 1580</i>	-Rotonda della Madonna, Porto di Ponza, entrance, S. side.	40° 53.7' N 12° 58.3' E	Fl.(4)W. period 15s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 8s	200 61	12	White conical tower, dwelling; 59.	Visible 206°-023°, 070°-080° when more than 1 mile distant. Obscured by Zannone Island through an arc of 7°. Reserve light range 11M.
			F.R.	180 55	9	Hut on terrace of same tower; 27.	Visible 301°-341°.
9232 <i>E 1584</i>	-Porto di Ponza, mole, head.	40° 53.7' N 12° 58.4' E	Fl.Y. period 3s fl. 1s, ec. 2s	39 12	9	Red octagonal tower; 39.	
9236 <i>E 1583</i>	-Breakwater, head.	40° 53.8' N 12° 58.4' E	Fl.R. period 3s fl. 1s, ec. 2s	26 8	8	Red post; 23.	
9240 <i>E 1582</i>	Scoglio Ravia.	40° 53.9' N 12° 57.9' E	Fl.G. period 3s fl. 1s, ec. 2s	85 26	6	Green hut; 10.	
9244 <i>E 1542</i>	Capo Circeo.	41° 13.2' N 13° 04.2' E	Fl.W. period 5s fl. 0.2s, ec. 4.8s	125 38	23	White round tower, octagonal base; 59.	Visible 263°-107°.
TERRACINA:							
9248 <i>E 1550</i>	-Mole Gregoriano, head.	41° 16.9' N 13° 15.6' E	Fl.R. period 5s fl. 1s, ec. 4s	39 12	9	Red column on red pedestal; 30.	
9252 <i>E 1551</i>	-Outer mole, head.	41° 17.0' N 13° 15.6' E	Fl.G. period 5s fl. 1s, ec. 4s	26 8	7	Green pole; 20.	
9256 <i>E 1552</i>	-Canal entrance, S. side.	41° 17.0' N 13° 16.0' E	2 F.R. (vert.)	26 8 20 6	3	Red mast; 39.	
9260 <i>E 1554</i>	-Canal entrance, N. side.	41° 17.0' N 13° 16.0' E	2 F.G. (vert.)	26 8 20 6	3	Green mast; 39.	
GAETA:							
9264 <i>E 1558</i>	-Monte Orlando.	41° 12.3' N 13° 34.7' E	Fl.(3)W. period 15s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 8.8s	607 185	23	White round stone tower; 46.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-WEST COAST AND ADJACENT ISLANDS							
9268 <i>E 1560</i>	-Punta dello Stenardo, S. entrance of port.	41° 12.5' N 13° 35.5' E	Fl.(2)R. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	66 20	8	Red round masonry tower; 20.	
9272 <i>E 1562</i>	-Punta S. Antonio, mole, head.	41° 12.9' N 13° 34.8' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	33 10	8	Red column on red pedestal; 16.	2 F.R. (vert.) and 2 F.G. (vert.) shown inside Porto San Antonio.
PORTO SALVO:							
9276 <i>E 1564</i>	-Mole, head.	41° 13.2' N 13° 34.4' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	27 8	8	Green metal column on green pedestal; 16.	
9280 <i>E 1565</i>	-Front range, about 307 meters 269° from head of mole.	41° 13.4' N 13° 34.4' E	Q.R.				Private light.
9284 <i>E 1565.1</i>	--Rear, 190 meters 269° from front.	41° 13.4' N 13° 34.2' E	F.R.				Private light.
9288 <i>E 1566</i>	-Oil pier, head.	41° 13.3' N 13° 34.6' E	2 F.R. (vert.)	36 11 33 10	1	Metal post; 23.	Private light.
9292 <i>E 1567</i>	-Oil pier, root spur.	41° 13.3' N 13° 34.4' E	F.R.				
9294 <i>E 1568</i>	-Banchino Salvo d'Acquisto, mole, head.	41° 13.9' N 13° 34.4' E	Fl.(2)G. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 10	8	Green structure; 23.	
9296 <i>E 1570</i>	Porticciolo di Caposelle, entrance, W. side.	41° 14.9' N 13° 36.1' E	F.R.	13 4	2	Red mast; 7.	Private light.
9300 <i>E 1570.2</i>	-Entrance, E. side.	41° 15.0' N 13° 35.9' E	F.G.	13 4	2	Green mast; 8.	Private light.
9304 <i>E 1573</i>	Formia, breakwater, near outer head.	41° 15.0' N 13° 37.0' E	Fl.W.R. period 3s fl. 1s, ec. 2s	36 11	W. 11 R. 8	Red column; 23.	Visible W. 252°-072°, R.-252°.
9308 <i>E 1572</i>	-E. breakwater, head.	41° 15.2' N 13° 36.9' E	Fl.G. period 3s fl. 1s, ec. 2s	30 9	7	Green metal column; 16.	
9310 <i>E 1574</i>	Scauri, breakwater, head.	41° 15.1' N 13° 42.1' E	Fl.G. period 5s fl. 1s, ec. 4s	16 5	4	Green mast; 10.	Private light.
9312 <i>E 1575.5</i>	Coppola Pinetamare Marina.	40° 59.4' N 13° 58.4' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s		6	Red post.	Fl.Y. light marks harbor entrance. Fl.G. 5s 6M light marks south breakwater close SE. Fl.G. 5s 2M light marks inner breakwater. Private light.
ISOLA VENTOTENE:							
9320 <i>E 1592</i>	-Porto Nicolo.	40° 47.8' N 13° 26.0' E	Fl.W. period 5s fl. 1s, ec. 4s	69 21	15	White masonry tower on white dwelling; 52.	Visible 158°-022°, obscured 286°-305° over Isola Santo Stefano. Reserve light range 11M.
9324 <i>E 1594</i>	-Cala Rossano, outer breakwater, head.	40° 48.0' N 13° 26.1' E	Fl.R. period 5s fl. 1s, ec. 4s	26 8	6	Red post; 16.	Private light.
9326 <i>E 1595</i>	--Inner breakwater, 15 meters from head.	40° 48.0' N 13° 26.1' E	Fl.G. period 5s fl. 1s, ec. 4s	20 6	6	Green mast; 16.	Private light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-WEST COAST AND ADJACENT ISLANDS							
ISOLA D'ISCHIA:							
9328 <i>E 1598</i>	-Punta Imperatore.	40° 42.7' N 13° 51.2' E	Fl.(2)W. period 15s fl. 0.2s, ec. 3.6s fl. 0.2s, ec. 11s	538 164	22	White tower attached to two-story dwelling; 44.	Visible 316°-190°. Reserve light range 8M.
9332 <i>E 1600</i>	-Folio, W. mole, head.	40° 44.5' N 13° 51.5' E	Fl.R.G. period 3s fl. 0.5s, ec. 2.5s	30 9	4	Green post; 20.	G. 115°-010°, R.-115°. Private light.
9333 <i>E 1600.5</i>	--E. mole, head.	40° 44.4' N 13° 51.6' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	20 6	2	Red post; 13.	Private light.
9340 <i>E 1606</i>	-Casamiccola, 20 meters from head of outer mole.	40° 45.0' N 13° 54.3' E	Fl.G. period 4s	23 7	5	Green post.	Private light.
9341 <i>E 1606.2</i>	--Inner mole.	40° 45.1' N 13° 54.6' E	F.R.	23 7	2	Red post.	Private light.
-Ischia Porto:							
9344 <i>E 1608</i>	--Bagno , mole, head.	40° 44.9' N 13° 56.6' E	Fl.W.R. period 3s fl. 1s, ec. 2s	43 13	W. 15 R. 12	Red round tower, rectangular base; 36.	R. 127°-197°, W.-127°. Horn: Mo.(P) ev. 28s.
9348 <i>E 1610</i>	--Harbor, W. side of entrance.	40° 44.8' N 13° 56.5' E	Fl.G. period 3s fl. 1s, ec. 2s	14 4	8	Green turret; 10.	
9352 <i>E 1612</i>	--Harbor, E. side of entrance.	40° 44.7' N 13° 56.6' E	Fl.R. period 3s fl. 1s, ec. 2s	14 4	8	Red conical turret; 10.	Visible 196°-217°.
9356 <i>E 1614</i>	-Castello d' Ischia.	40° 43.9' N 13° 58.1' E	L.Fl.W. period 6s fl. 2s, ec. 4s	269 82	16	Gray iron framework structure on parapet; 10.	Visible 119°-001°. Reserve light range 12M.
ISOLA DI PROCIDA:							
9360 <i>E 1614.3</i>	-Secche Formiche di Vivara.	40° 44.6' N 13° 58.7' E	Q.(9)W. period 15s	16 5	5	W. CARDINAL YBY, articulated beacon, topmark.	Radar reflector.
9362 <i>E 1615</i>	-Porticciolo della Chiaiolella, outer mole.	40° 44.8' N 14° 00.5' E	2 F.G. (vert.)	30 9 23 7	4	Green mast; 23.	Private light.
9363 <i>E 1615.2</i>	-Molo Ponente, head.	40° 44.8' N 14° 00.4' E	2 F.R. (vert.)	30 9 23 7	4	Red mast; 23.	Safety distance 20M. Private light.
9364 <i>E 1618</i>	-Punta Piopetto.	40° 46.2' N 14° 01.0' E	Fl.(3)W. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	69 21	11	White post on square stone base, red lantern, 10.	Visible 076°-287°.
9368 <i>E 1616</i>	-Procida, mole, head.	40° 46.2' N 14° 01.8' E	Fl.G. period 3s fl. 1s, ec. 2s	33 10	8	Green column, on green pedestal; 23.	Safety distance 30m.
9372 <i>E 1617</i>	-E. breakwater, head.	40° 46.0' N 14° 01.8' E	Fl.R. period 3s fl. 1s, ec. 2s	33 10	8	Red column on pedestal; 23.	
9376 <i>E 1619</i>	-Secca del Torrione, S. extremity of shoal.	40° 46.5' N 14° 02.6' E	Q.(6)+L.Fl.W. period 15s	16 5	5	S. CARDINAL YB, articulated beacon, topmark.	Radar reflector.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-WEST COAST AND ADJACENT ISLANDS							
GOLFO DI POZZUOLI:							
9380 <i>E 1620</i>	-Capo Miseno.	40° 46.6' N 14° 05.4' E	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	262 80	16	White truncated tower, on two-story building, gray trim; 39.	Visible 199°-112°. Reserve light range 12M.
9384 <i>E 1622</i>	-Baia, Fortino Tenaglia.	40° 48.7' N 14° 04.9' E	Iso.R. period 4s	43 13	8	Red tower; 26.	
9388 <i>E 1623</i>	-Arco Felice, Pontile Pirelli, W. corner.	40° 49.6' N 14° 06.3' E	F.Y.	26 8	4	Yellow mast; 20.	F.Y. 4M light marks E. corner. Private light.
9396 <i>E 1625.2</i>	-Darsena Pescatori, breakwater, head.	40° 49.5' N 14° 07.1' E	F.G.	20 6	3	Green mast; 13.	Private light.
9400 <i>E 1628.4</i>	-Isola de Nisida, Molo Dandolo, spur.	40° 47.9' N 14° 09.9' E	Fl.G. period 3s	46 14	7	Green pole; 16.	
-Bagnoli:							
9404 <i>E 1626</i>	--Pontile Ilva Nord, outer corner.	40° 48.4' N 14° 09.7' E	F.R.	26 8	3		A F.R. light is shown from the opposite corner.
9408 <i>E 1626.2</i>	--Mole.	40° 48.4' N 14° 10.1' E	F.G.	20 6	3		A F.G. is shown from the opposite corner. Private light.
9412 <i>E 1626.4</i>	--Pontile Ilva Sud, outer corner.	40° 48.2' N 14° 10.1' E	F.R.	13 4	3		A F.R. light is shown from the opposite corner. Private light.
9416 <i>E 1626.6</i>	--Pontile Montecantini, N. corner.	40° 48.3' N 14° 10.4' E	F.R.	10 3	3	Red post.	A F.G. light is shown from the S. corner. Private light.
9417 <i>E 1628.5</i>	-La Gaiola.	40° 47.7' N 14° 11.0' E	Q.Y.	33 10	4	SPECIAL Y, post, topmark; 16.	Private light.
9418 <i>E 1628.6</i>	-Scoglio Traverso.	40° 47.5' N 14° 11.3' E	Fl.(2)Y. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 8s	33 10	4	SPECIAL Y, post, topmark; 16.	Private light.
9420 <i>E 1628.7</i>	-Secca della Cavallara, shoal, S. extremity.	40° 47.0' N 14° 11.3' E	Q.(6)+L.Fl.W. period 15s	18 5	5	S. CARDINAL YB, articulated beacon, topmark.	Radar reflector.
NAPOLI:							
9424 <i>E 1629</i>	-Porticciolo Sannazzaro, W. side of entrance, mole, head.	40° 49.6' N 14° 13.6' E	Fl.R. period 5s fl. 1s, ec. 4s	29 9	8	Red iron post; 16.	Keep 20M distance from light.
9428 <i>E 1629.4</i>	--E. breakwater, head.	40° 49.6' N 14° 13.4' E	Fl.G. period 5s fl. 1s, ec. 4s	26 8	7	Green iron post; 16.	
9432 <i>E 1631</i>	-Porticciolo di Santa Lucia (Santa Lucia Harbor), N. side of entrance, angle of quay.	40° 49.7' N 14° 15.1' E	Fl.G. period 3s fl. 1s, ec. 2s	23 7	4	Green metal column on base; 16.	
9436 <i>E 1632</i>	--S. side of entrance, head of detached breakwater.	40° 49.7' N 14° 15.2' E	Fl.R. period 3s fl. 1s, ec. 2s	30 9	5	Red metal column; 20.	
9440 <i>E 1636</i>	-Porticciolo del Molosiglio, S. side of entrance, mole, head.	40° 49.9' N 14° 15.4' E	Fl.R. period 5s fl. 1s, ec. 4s	33 10	8	Red metal column; 16.	
9444 <i>E 1634</i>	--N. mole, head.	40° 50.0' N 14° 15.4' E	Fl.G. period 5s fl. 1s, ec. 4s	30 9	3	Green iron post; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-WEST COAST AND ADJACENT ISLANDS							
9452 <i>E 1652</i>	-Diga Foranea Emanuele Filiberto Duca D'Aosta, E. head.	40° 49.5' N 14° 17.9' E	Fl.R. period 4s fl. 1s, ec. 3s	39 12	5	Red column on pedestal; 16.	Channel marked by 2 Fl.G. and 2 Fl.R. articulated lights. Safety distance 20M.
9456 <i>E 1653</i>	--Bend, near E. head.	40° 49.9' N 14° 17.4' E	Fl.(2)R. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	23 7	4	Red column on pedestal; 16.	Visible 122°-308°.
9460 <i>E 1654</i>	--(Angle), W. head.	40° 50.2' N 14° 16.9' E	Fl.Y. period 4s fl. 1s, ec. 3s	23 7	5	Yellow metal column; 16.	
9464 <i>E 1648</i>	-Antemurale Thaon de Revel, S. head.	40° 49.9' N 14° 16.7' E	Fl.G. period 4s fl. 1s, ec. 3s	59 18	9	Green round tower; 39.	
9465 <i>E 1647.5</i>	-Breakwater extension, head.	40° 49.8' N 14° 16.6' E	Fl.R. period 3s fl. 1s, ec. 2s	49 15	4	Grey tower; 33.	
	-RACON		N (— •) period 30s		10		
9475 <i>E 1646</i>	-Molo San Vincenzo, head.	40° 50.0' N 14° 16.3' E	Fl.(3)W. period 15s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 9.8s	82 25	22	Red round tower; 79.	
9476 <i>E 1650</i>	--Spur, entrance, W. side.	40° 49.9' N 14° 16.3' E	2 F.R. (vert.)	26 8 20 6	3	Red iron framework structure; 20.	
9480 <i>E 1658</i>	-Molo Martello, head.	40° 50.3' N 14° 16.1' E	2 F.G. (vert.)	23 7 20 6	3	Green post.	Partially obscured by Molo San Vincenzo.
9484 <i>E 1662</i>	-Drydock No. "3", SW. corner.	40° 50.2' N 14° 16.3' E	2 F.R. (vert.)	30 9 26 8	3	Cement pole; 26.	Safety distance 100m.
9488 <i>E 1664</i>	Darsena Armando Diaz, spur, head.	40° 50.3' N 14° 16.6' E	F.G.	23 7	2	Green mast; 16.	
9492 <i>E 1663</i>	-Calata della Marinella Pier, head.	40° 50.5' N 14° 16.5' E	2 F.R.G. (vert.)		3		Private.
9496 <i>E 1664.2</i>	Darsena Viltorio Veneto, spur, head.	40° 50.3' N 14° 16.9' E	Fl.Y. period 3s fl. 1s, ec. 2s	30 9	6	Yellow metal column; 16.	
9500 <i>E 1667</i>	-Pontile Vigliena, SE. corner.	40° 50.1' N 14° 17.5' E	F.G.	20 6	2	Green mast; 13.	
9508 <i>E 1669</i>	-Darseng Progresso, SW. corner.	40° 49.8' N 14° 17.8' E	Fl.G. period 3s fl. 1s, ec. 2s	33 10	8	Green column on green pedestal; 16.	
9516 <i>E 1678</i>	Portici, head of the quay, inner side of breakwater.	40° 48.6' N 14° 20.1' E	Fl.W. period 3s fl. 1s, ec. 2s	52 16	11	White metal framework tower; 46.	
9520 <i>E 1679</i>	-NW. spur of breakwater, mole, head.	40° 48.6' N 14° 19.9' E	Fl.G. period 3s fl. 1s, ec. 2s		3	Green mast; 20.	
9524 <i>E 1680</i>	Torre del Greco, at foot of Mt. Vesuvius, mole, head.	40° 47.0' N 14° 21.8' E	Fl.R. period 5s fl. 1s, ec. 4s		10		
9528 <i>E 1681</i>	-Inner mole, head.	40° 47.1' N 14° 21.7' E	2 F.G. (vert.)	26 8 23 7	3	Green mast; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-WEST COAST AND ADJACENT ISLANDS							
9532 <i>E 1685</i>	Torre Annunziata, Molo di Levante, marks shoal.	40° 44.9' N 14° 26.9' E	Fl.(2)G. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	13 4	5	STARBOARD (A) G, articulated beacon, topmark.	Radar reflector.
9536 <i>E 1684</i>	-W. mole, head.	40° 44.7' N 14° 27.0' E	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	43 13	4	Red metal column; 16.	To avoid reef, vessels should pass not closer than 80 meters.
9538 <i>E 1687</i>	-Fishing harbor, mole, head.	40° 45.2' N 14° 26.8' E	F.R.	16 5	4	Red post; 13.	Safety distance 15m.
9539 <i>E 1683.5</i>	-Marina di Aprea, W. breakwater, head.	40° 44.5' N 14° 27.5' E	F.R.	23 7	2		
9539.1 <i>E 1683</i>	--E. breakwater, head.	40° 44.5' N 14° 27.6' E	F.G.	23 7	2		
CASTELLAMMARE DI STABIA:							
9539.5 <i>E 1688</i>	-Marina di Stabia.	40° 43.0' N 14° 27.0' E	Fl.(2)Y. period 4s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 2.5s	10 3	4	SPECIAL Y, beacon, topmark.	Marks end of submarine pipeline. Private light.
9540 <i>E 1692</i>	-Main, 1 km. 187° from head of mole.	40° 41.3' N 14° 28.3' E	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	374 114	16	White tower on white 3-story building; 52.	Visible 095°-223°. Reserve light range 12M.
9544 <i>E 1693</i>	-W. mole, head.	40° 41.8' N 14° 28.4' E	Fl.G. period 5s fl. 1s, ec. 4s	39 12	8	Green metal column; 16.	Safety distance 50m.
9548 <i>E 1694</i>	-Molo di Sottoflutto, head.	40° 41.8' N 14° 28.5' E	2 F.R. (vert.)	26 8 20 6	3	Red mast; 19.	
9550 <i>E 1692.5</i>	-Pozzano.	40° 41.4' N 14° 27.1' E	2 F.R.G. (vert.)	23 7 16 5	3	Green post, red bands.	Private light.
9552 <i>E 1695</i>	Marina di Equa, 30 meters from breakwater, head.	40° 40.0' N 14° 25.0' E	2 F.G. (vert.)	26 8 20 6	4	Green piling; 20.	2 F.R. (vert.) marks opposite breakwater head. Vessels should pass not closer than 40 meters.
9554 <i>E 1695.6</i>	Marina di Meta, mole, head.	40° 38.9' N 14° 24.3' E	Fl.G. period 3s fl. 1s, ec. 2s	26 8	5	Green post; 20.	Private light.
9556 <i>E 1696</i>	Marina di Cassano, mole, head.	40° 37.8' N 14° 24.1' E	2 F.G. (vert.)	23 7 20 6	3	Green skeleton tower; 20.	Keep at least 20 meters distance from light. Private light.
9560 <i>E 1698</i>	Sorrento, breakwater, head.	40° 37.8' N 14° 22.6' E	Fl.G. period 3s fl. 1s, ec. 2s	31 9	5	Green metal column; 17.	
9564 <i>E 1700</i>	Scoglio Vervece.	40° 37.1' N 14° 19.6' E	Fl.(2)W. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	49 15	7	ISOLATED DANGER BRB, topmark; 16.	
9568 <i>E 1702</i>	Punta Campanella, adjacent to Torre Minerva.	40° 34.1' N 14° 19.6' E	Fl.W. period 5s fl. 1s, ec. 4s	213 65	10	Black framework tower, white bands; 59.	Visible 270°-166°, obscured by Isola di Capri 066°-089°.
ISOLA DI CAPRI:							
9572 <i>E 1706</i>	-Punta Carena.	40° 32.2' N 14° 11.9' E	Fl.W. period 3s fl. 0.2s, ec. 2.8s	240 73	25	Red octagonal tower on two-story dwelling; 91.	Visible 265°-175°. Reserve light range 18M.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-WEST COAST AND ADJACENT ISLANDS							
9576 <i>E 1708</i>	-Il Capo, island, NE. point.	40° 33.9' N 14° 15.9' E	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	39 12	7	White lamppost; 16.	Visible 110°-335°.
9580 <i>E 1710</i>	-Marina Grande, breakwater, head.	40° 33.5' N 14° 14.7' E	Fl.G. period 3s fl. 1s, ec. 2s	36 11	8	Green iron structure; 16.	
9584 <i>E 1711</i>	--Molo di Sopraflutto, head.	40° 33.4' N 14° 14.9' E	Fl.R. period 3s fl. 1s, ec. 2s	30 9	8	Red structure; 16.	Vessels should pass not closer than 50 meters.
9588 <i>E 1716</i>	Isolotti Li Galli, N. extremity.	40° 34.9' N 14° 26.2' E	Fl.W. period 5s fl. 1s, ec. 4s	220 67	6	White quadrangular framework tower, attached to hut; 39.	
AMALFI:							
9592 <i>E 1718</i>	-W. mole, head.	40° 37.8' N 14° 36.2' E	Fl.R. period 5s fl. 1s, ec. 4s	43 13	8	Red framework structure; 16.	
9596 <i>E 1720</i>	-Stone jetty, harbor, N. side.	40° 37.9' N 14° 36.2' E	2 F.G. (vert.)	26 8 23 7	3	Green pole; 20.	
9600 <i>E 1722</i>	Capo d'Orso.	40° 38.0' N 14° 40.9' E	Fl.(3)W. period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	217 66	16	White tower, red band on two story dwelling; 16.	Visible 263°-093°. Reserve light range 12M.
SALERNO:							
9604 <i>E 1730</i>	-Outer elbow.	40° 40.3' N 14° 45.3' E	Fl.W. period 3s fl. 1s, ec. 2s	43 13	11	White tower; 16.	
9612 <i>E 1730.2</i>	-Molo di Levante, head.	40° 39.8' N 14° 44.7' E	Fl.G. period 5s fl. 1s, ec. 4s	42 13	9	Green post; 31.	
RACON			C(— • — •). period 30s		6		
9616 <i>E 1730.4</i>	-Molo di Ponente, head.	40° 40.0' N 14° 44.8' E	Fl.R. period 5s fl. 1s, ec. 4s	43 13	8	Red lantern on hut; 31.	
9620 <i>E 1733</i>	-Old port, Banchina Manfredi, S. corner.	40° 40.4' N 14° 45.1' E	2 F.G. (vert.)	26 8 20 6	3	Green post; 16.	
9624 <i>E 1733.5</i>	-Secca Manfredi.	40° 40.4' N 14° 45.4' E	Fl.G. period 6s fl. 1s, ec. 5s	16 5	2	Green post; 13.	
9626 <i>E 1734</i>	-Port Masuccio Salernitano, outer mole, head.	40° 40.2' N 14° 46.0' E	2 F.G. (vert.)	20 6 16 5	3	Green mast; 13.	
9627 <i>E 1734.3</i>	--Inner mole, head.	40° 40.3' N 14° 46.1' E	2 F.R. (vert.)	20 6 16 5	3	Red mast; 13.	
9628 <i>E 1737</i>	San Marco di Castellabate, W. mole.	40° 16.0' N 14° 56.1' E	Fl.G. period 4s fl. 1s, ec. 3s	21 6	3	Green mast, masonry hut; 15.	
9632 <i>E 1735</i>	Agropoli.	40° 21.2' N 14° 59.3' E	Fl.(2)W. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	138 42	16	White battle mounted tower on square hut; 33.	Reserve light range 12M.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-WEST COAST AND ADJACENT ISLANDS							
9636 <i>E 1738</i>	Isolotto Licoso, near Punta Licoso.	40° 15.0' N 14° 54.1' E	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	43 13	11	White round tower, 31.	
9640 <i>E 1739</i>	Acciaroli, outer mole, head.	40° 10.5' N 15° 02.7' E	Fl.W.R. period 3s fl. 1s, ec. 2s	26 8	W. 6 R. 4	White and red mast; 20.	R. 293°-346°, W.-126°.
9644 <i>E 1739.2</i>	-Inner mole, head.	40° 10.5' N 15° 02.7' E	2 F.G. (vert.)	16 5	1		
9648 <i>E 1739.4</i>	-500 meters E. of outer mole, head.	40° 10.5' N 15° 02.8' E	Iso.R.G. period 2s	14 4	4	Red mast.	R. shore-062°, G.-083°.
9650 <i>E 1739.7</i>	Casalvelino Marina, outer mole, head.	40° 10.5' N 15° 06.5' E	Fl.G. period 3s	26 8	5	Green post.	
9650.1 <i>E 1739.8</i>	-Inner Mole, outer arm.	40° 10.5' N 15° 06.5' E	Fl.R. period 3s	26 8	5	Red post.	
9652 <i>E 1740</i>	Capo Palinuro.	40° 01.4' N 15° 16.6' E	Fl.(3)W. period 15s fl. 0.3s, ec. 2.7s fl. 0.3s, ec. 2.7s fl. 0.3s, ec. 8.7s	675 206	25	White octagonal tower on two-story dwelling; 46.	Visible 286°-132°.
9656 <i>E 1741</i>	Camerota marina.	40° 00.0' N 15° 23.0' E	Fl.R. period 4s fl. 1s, ec. 3s	26 8	3	Red pole; 16.	
9660 <i>E 1742</i>	Scario.	40° 02.9' N 15° 29.7' E	Fl.(4)W. period 12s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	79 24	15	White octagonal tower, two-story dwelling; 40.	Obscured when bearing more than 025°. Reserve light visible 8M.
9661 <i>E 1743</i>	-Outer mole, head.	40° 03.0' N 15° 30.0' E	Fl.R. period 3s fl. 1s, ec. 2s	23 7	4	Red post; 16.	Vessels should not pass within 15 meters.
9662 <i>E 1743.2</i>	-Inner mole, head.	40° 02.9' N 15° 29.5' E	F.G.	16 5	3	Green post.	Vessels should not pass within 40 meters.
9664 <i>E 1746</i>	Sapri (Pisacane), on Punta del Fortino.	40° 04.0' N 15° 37.0' E	Fl.(2)W. period 7s fl. 0.5s, ec. 1s fl. 0.5s, ec. 5s	43 13	7	Square red tower; 13.	Visible 223°-083°.
9668 <i>E 1747</i>	Maratea, outer mole, head.	39° 59.0' N 15° 43.0' E	Fl.R. period 3s fl. 1s, ec. 2s	26 8	6	Red pile; 11.	
9672 <i>E 1747.3</i>	-Lee mole, head.	39° 59.2' N 15° 42.6' E	F.G.	24 7	4	White and black banded lamp post; 11.	
9674 <i>E 1747.2</i>	-S. breakwater, head.	39° 59.2' N 15° 42.6' E	Fl.G. period 3s fl. 1s, ec. 2s	26 8	6	Green lantern; 16.	
9676 <i>E 1750</i>	Capo Bonifati.	39° 32.5' N 15° 53.3' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	207 63	15	White iron structure and lantern; 23.	
9680 <i>E 1752</i>	Paola.	39° 21.5' N 16° 02.0' E	Fl.(3)W. period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	175 53	15	Masonry tower; 56.	Visible 315°-160°.
GOLFO DI SANT EUFEMIA:							
9684 <i>E 1756</i>	-Capo Suvero.	38° 57.1' N 16° 09.5' E	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	190 58	16	White tower; 82.	Visible 280°-155°. Reserve light range 8M.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-WEST COAST AND ADJACENT ISLANDS							
9688 <i>E 1756.5</i>	-Turina, pier, head.	38° 51.1' N 16° 13.6' E	F.R.G.		3		
9692 <i>E 1757</i>	-Vibo Valentia Marina, N. mole, head.	38° 43.4' N 16° 07.8' E	Fl.W.G. period 5s fl. 1s, ec. 4s	56 17	W. 15 G. 12	Green tower; 49.	W. 068°-230°, G.-068°. Reserve light range 11/9M.
9696 <i>E 1758</i>	--S. mole, head.	38° 43.2' N 16° 07.8' E	Fl.R. period 5s fl. 1s, ec. 4s	23 7	8	Red column on red pedestal; 16.	
9700 <i>E 1760</i>	-Tropea, mole, head.	38° 40.7' N 15° 54.1' E	2 F.G. (vert.)	46 14 43 13	4	Green post; 39.	
STRETTO DI MESSINA:							
9704 <i>E 1762</i>	-Capo Vaticano.	38° 37.1' N 15° 49.7' E	Fl.(4)W. period 20s fl. 0.2s, ec. 3.1s fl. 0.2s, ec. 3.1s fl. 0.2s, ec. 3.1s fl. 0.2s, ec. 9.9s	354 108	24	White round tower, white dwelling; 26.	Obscured in the Golfo di Santa Eufemia when bearing E. of 205°. Reserve light range 18M.
9704.5 <i>E 1763</i>	Gioia Tauro, N. breakwater.	38° 26.7' N 15° 53.5' E	Fl.R. period 4s fl. 1s, ec. 3s	46 14	8	Red tower; 33.	Private light.
RACON G(- - •)							
9704.6 <i>E 1763.35</i>	Port entry light.	38° 26.5' N 15° 54.3' E	Dir.W.R.G.	72 22	6	White tower.	Fl.G.098°-099°, F.G.-100°15', Al.Fl.W.G.-102°30', F.W.-103°30', Al.Fl.W.R.-105°45', F.R.-107°, Fl.R.-108°. Private light.
9704.7 <i>E 1763.2</i>	-S. breakwater.	38° 26.6' N 15° 53.4' E	Fl.G. period 4s fl. 1s, ec. 3s	46 14	8	Green tower; 33.	Private light.
9705 <i>E 1764</i>	--Condoleo di Scilla Range, front.	38° 15.0' N 15° 45.0' E	Fl.(2)Y. period 4s fl. 0.5s, ec. 1s fl. 0.5s, ec. 2s		2	SPECIAL Y, topmark, letter "G".	Marks SW. limit of prohibited area. Private light.
9705.1 <i>E 1764.1</i>	---Rear, 20 meters 113° from front.	38° 15.2' N 15° 44.6' E	Fl.(2)Y. period 4s fl. 0.5s, ec. 1s fl. 0.5s, ec. 2s		2	SPECIAL Y, topmark, letter "G".	Private light.
9706 <i>E 1764.3</i>	--Farazzina Range, front.	38° 15.6' N 15° 45.7' E	Fl.(2)Y. period 4s		2	SPECIAL Y, topmark, letter "G".	Marks NE. limit of prohibited area. Private light.
9706.7 <i>E 1764.31</i>	---Rear, 166° from front.	38° 15.6' N 15° 45.7' E	Fl.(2)Y. period 4s		2	SPECIAL Y, topmark, letter "G".	Private light.
9708 <i>E 1766</i>	-Scilla.	38° 15.3' N 15° 42.9' E	Fl.W. period 5s fl. 0.3s, ec. 4.7s	236 72	22	Gray round concrete tower; 20.	Reserve light range 18M.
9716 <i>E 1769</i>	-AVIATION LIGHT, cable tower, ESE. of Torre Cavallo.	38° 14.7' N 15° 41.1' E	F.R.Y. (vert.)	1188 362		White steel framework tower, range bands; 660.	5 clusters of F.R. (vert.) lights arranged vertically along tower. Private light.
9720 <i>E 1770</i>	-Punta Pezzo.	38° 13.8' N 15° 38.3' E	Fl.(3)R. period 15s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 9.8s	85 26	15	Red and white banded tower; 75.	Visible 010°-246°. Reserve light range 13M.
9724 <i>E 1772</i>	-Villa San Giovanni, mole, head.	38° 13.0' N 15° 37.9' E	Fl.G. period 3s fl. 1s, ec. 2s	45 14	8	Green tower; 33.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-WEST COAST AND ADJACENT ISLANDS							
9728 E 1773	--Molo Sottoflutto, head.	38° 13.1' N 15° 38.1' E	Fl.R. period 3s fl. 1s, ec. 2s	23 7	7	Red post; 14.	
9732 E 1773.6	--Ferryboat, mole, head.	38° 13.3' N 15° 38.0' E	3 F.G. (vert.)	39 12	4	Green post.	Private light.
9736 E 1776	-Reggio di Calabria, breakwater, head.	38° 07.6' N 15° 39.0' E	Iso.G. period 2s	46 14	8	Green metal column; 33.	
9740 E 1777	-Molo di Sottoflutto, head.	38° 07.5' N 15° 39.2' E	Iso.R. period 2s	36 11	8	Red tower; 23.	
9744 E 1780	-Capo dell'Armi.	37° 57.2' N 15° 40.9' E	Fl.(2)W. period 10s fl. 0.3s, ec. 1.9s fl. 0.3s, ec. 7.5s	312 95	22	White octagonal tower on white two-story dwelling; 39.	Visible 295°-148°. Reserve light range 18M.
9748 E 1780.5	Saline de Montebello.	37° 56.0' N 15° 43.0' E	Fl.G. period 4s fl. 1s, ec. 3s	23 7	4	Green post; 16.	
9752 E 1780.6	-Inner mole, head.	37° 56.0' N 15° 43.0' E	Fl.R. period 4s fl. 1s, ec. 3s	23 7	4	Red mast.	
9756 E 1780.7	-Pier, head.	37° 56.0' N 15° 43.0' E	F.R.G. (vert.)		1	Red post, green band; 16.	
9760 E 1780.8	-Sea water intake platform.	37° 56.0' N 15° 43.0' E	Fl.Y. period 3s fl. 0.5s, ec. 2.5s	23 7	3	Yellow mast; 19.	Private light.
9764 E 1781	-Saline Joniche, pier No. "2".	37° 56.0' N 15° 44.0' E	2 F.R. (vert.)	36 11	3	Red pole; 16.	
SICILIA (SICILY) AND ADJACENT ISLANDS (I.)							
PORTO DE MESSINA:							
9766 E 1813	-Marina del Nettuno.	38° 12.0' N 15° 33.6' E	Fl.R. period 3s fl. 1s, ec. 2s	10 3	3	Red mast.	Private light.
9768 E 1814	-Punta San Raineri.	38° 11.6' N 15° 34.4' E	Fl.(3)W. period 15s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 8.8s	136 41	22	Gray square tower, octagonal turret, black and white bands; 139.	Reserve light range 17M.
9772 E 1816	-Punta Secca, peninsula, NE. corner.	38° 11.7' N 15° 34.4' E	Oc.Y. period 3s lt. 2s, ec. 1s	43 13	10	Yellow structure; 39.	Visible 097°-335°.
9776 E 1817	-Punta San Salvatore, entrance.	38° 11.8' N 15° 33.7' E	Fl.(2)R. period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	52 16	8	Red iron framework structure; 39.	Visible 340°-250°.
9780 E 1818	-Port Office.	38° 11.8' N 15° 33.5' E	Fl.(2)G. period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	52 16	8	Green skeleton structure; 39.	F.G. and F.R. lights are shown from the heads of the westernmost and easternmost jetties of the ferry slips, respectively. Jetty heads between the above are marked by vertically disposed R. and G. lights.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SICILIA (SICILY) AND ADJACENT ISLANDS (I.)							
9784 <i>E 1806</i>	Capo Peloro.	38° 16.0' N 15° 39.1' E	Fl.(2)G. period 10s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 7.3s	121 37	19	White octagonal tower, black bands, white dwelling; 121.	Visible 112°30'-069°. Reserve light range 13M.
			Iso.R. period 5s	72 22	9		Visible shore-127° over Rascolmo Bank.
	RACON		M(— —) period 30s		10		
9785 <i>E 1810</i>	-Mortelle Range, front.	38° 16.0' N 15° 37.0' E	Fl.(2)Y. period 4s fl. 0.5s, ec. 1s fl. 0.5s, ec. 2s		2	SPECIAL Y, topmark, letter ``G'''.	Marks E. limit of prohibited area. Private light.
9785.1 <i>E 1810.1</i>	--Rear, 30 meters 256° from front.	38° 17.0' N 15° 36.0' E	Fl.(2)Y. period 4s fl. 0.5s, ec. 1s fl. 0.5s, ec. 2s		2	SPECIAL Y, topmark, letter ``G'''.	Private light.
9786 <i>E 1810.2</i>	-Casabianca Range, front.	38° 17.0' N 15° 36.0' E	Fl.(2)Y. period 4s fl. 0.5s, ec. 1s fl. 0.5s, ec. 2s		2	SPECIAL Y, topmark, letter ``G'''.	Marks W. limit of prohibited area. Private light.
9786.1 <i>E 1810.21</i>	--Rear, 30 meters 232° from front.	38° 16.7' N 15° 35.6' E	Fl.(2)Y. period 4s fl. 0.5s, ec. 1s fl. 0.5s, ec. 2s		2	SPECIAL Y, topmark.	Private light.
9788 <i>E 1809</i>	-AVIATION LIGHT, cable tower, S. of Capo Peloro.	38° 15.9' N 15° 39.1' E	F.G.Y. (vert.)	764 233		Steel framework tower, orange bands; 689.	5 clusters of F.R. (vert.) lights arranged vertically along tower. Private light.
9792 <i>E 2046</i>	Capo Rasocolmo.	38° 17.7' N 15° 31.2' E	Fl.(3)W. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	279 85	15	Lantern on white masonry dwelling; 43.	Obscured 255°-shore. Reserve light range 9M.
9796 <i>E 2042</i>	Capo di Milazzo.	38° 16.1' N 15° 13.9' E	L.Fl.W. period 6s fl. 2s, ec. 4s	295 90	16	White round tower; 34.	Reserve light range 12M.
9800 <i>E 2044</i>	Milazzo, N. mole, head.	38° 13.0' N 15° 14.8' E	L.Fl.G. period 5s fl. 2s, ec. 3s	40 12	8	Green iron post; 20.	
9804 <i>E 2045.4</i>	-Milazzo, harbor platform.	38° 12.5' N 15° 16.9' E	Fl.Y. period 3s fl. 0.5s, ec. 2.5s	30 9	3	SPECIAL Y, mast, topmark.	Private light.
9808 <i>E 2044.2</i>	-S. mole, head.	38° 12.8' N 15° 14.8' E	L.Fl.R. period 5s fl. 2s, ec. 3s	39 12	8	Red iron post; 16.	
9812 <i>E 2044.4</i>	-Pontile Etoile, head.	38° 13.0' N 15° 14.5' E	2 F.R.G. (vert.)	23 7 20 6	3	Green post, red stripes; 12.	Private. 2 F.R. (vert.) shown on pier 80 meters SSE.
9816 <i>E 2045</i>	-Oil Pier No. "1", head.	38° 12.8' N 15° 15.8' E	2 F.G. (vert.)	54 16 45 14	5	Green pile.	2 F.G.R. (vert.) 5M shown from Pier No. 2, close E. Private.
9820 <i>E 2045.3</i>	-Pier, head.	38° 12.6' N 15° 16.6' E	2 F.R. (vert.)	39 12 33 10	5	Red pile on pylon.	Private.
9822 <i>E 2045.7</i>	-N. of Giammoro, Marine Farm.	38° 12.9' N 15° 18.9' E	Fl.Y. period 6s fl. 1s, ec. 5s	16 5	3	SPECIAL Y, articulated beacon, topmark.	Private light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SICILIA (SICILY) AND ADJACENT ISLANDS (I.)							
ISOLE EOLIE:							
9824 <i>E 1786</i>	-Isola Vulcano, Punta dei Porci , island, S. head.	38° 22.0' N 14° 59.5' E	Fl.(4)W. period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	115 35	16	White tower on two-story building; 102.	Visible 251°-093°. Reserve light range 12M.
9825 <i>E 1786.3</i>	--Punta Nere.	38° 24.7' N 14° 58.1' E	Fl.Y. period 3s fl. 0.5s, ec. 2.5s	30 9	3	Tower; 13.	Visible 176°-285°. Private light.
9826 <i>E 1786.5</i>	--Port Levanto, pier, head.	38° 25.0' N 14° 58.0' E	2 F.G. (vert.)	23 7	3	Green pole; 16.	Private light.
-Isola Lipari:							
9828 <i>E 1788</i>	--Lipari Anchorage, head of Pignatoro Mole.	38° 29.5' N 14° 57.9' E	Fl.G. period 3s fl. 1s, ec. 2s	36 11	8	Green hut; 20.	
9830 <i>E 1792.7</i>	--Pontile traghetti.	38° 29.3' N 14° 57.9' E	F.G.	20 6	7	Green post; 16.	
9832 <i>E 1790</i>	--Punta Scaliddi.	38° 28.1' N 14° 57.5' E	Fl.R. period 3s fl. 1s, ec. 2s	26 8	4	Red mast; 20.	F.R.G. (vert.) 4M marks head of jetty 290 meters NNW.
9836 <i>E 1792</i>	--Marina Corta.	38° 27.7' N 14° 57.5' E	Fl.(3)W. period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	36 11	15	Round stone tower; 8.	Reserve light range; 11M.
9838 <i>E 1793</i>	--Porticello.	38° 30.9' N 14° 57.6' E	2 F.R. (vert.)	23 7 20 6	3	White mast, red bands; 24.	
9840 <i>E 1800</i>	-Isola Panarea, on Punta Peppemaria.	38° 38.2' N 15° 04.7' E	Fl.W.R. period 5s fl. 1s, ec. 4s	49 15	W. 10 R. 8	White tower; 23.	R. 319°-343°, W.-319°.
9844 <i>E 1802</i>	-Isola Stromboli, Isolott Strombolicchio, summit.	38° 49.0' N 15° 15.2' E	Fl.(3)W. period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	189 58	11	White round tower; 26.	
9846 <i>E 1785</i>	-Isola Filicudi.	38° 34.9' N 14° 31.6' E	Fl.(5)W. period 15s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 6s	66 20	12	Post; 20.	Obscured 090°-095°, 255°-317°.
9847 <i>E 1784</i>	-Isola Alicudi.	38° 32.0' N 14° 21.7' E	Fl.W. period 3s fl. 1s, ec. 2s	33 10	10	White post on hut.	
-Isola Salina:							
9848 <i>E 1798</i>	--Capo Faro (Salina).	38° 34.8' N 14° 52.2' E	L.Fl.W. period 6s fl. 2s, ec. 4s	184 56	18	Tower with building; 39.	Visible 123°-357°, light faint 123°-137°.
9852 <i>E 1796</i>	--Punta Lingua.	38° 32.2' N 14° 52.3' E	Fl.W. period 3s fl. 1s, ec. 2s	43 13	11	White tower on building; 38.	Visible 186°-076°.
9856 <i>E 2038</i>	Capo d'Orlando.	38° 10.0' N 14° 45.2' E	L.Fl.(2)W. period 12s fl. 2s, ec. 2s fl. 2s, ec. 6s	89 27	16	Octagonal tower on one-story dwelling; 35.	Reserve light range 12M.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SICILIA (SICILY) AND ADJACENT ISLANDS (I.)							
9860 <i>E 2036</i>	Capo Cefalu.	38° 02.3' N 14° 02.1' E	Fl.W. period 5s fl. 0.2s, ec. 4.8s	262 80	25	White octagonal tower on house; 85.	Reserve light range 18M.
TERMINI IMERESE:							
9868 <i>E 2035</i>	-Pontile della Societa Tifeo.	37° 59.2' N 13° 45.2' E	Q.R.	66 20	5	White post.	Private light.
9870 <i>E 2035.2</i>	Water intake.	37° 58.6' N 13° 45.2' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	33 10	3	Post, red and white bands.	Private light.
9876 <i>E 2030</i>	-Inner mole.	37° 59.2' N 13° 32.5' E	Fl.R. period 3s fl. 1s, ec. 2s	23 7	5	Red post; 16.	
9892 <i>E 2025</i>	Punta Porticello, outer breakwater, head.	38° 05.1' N 13° 32.6' E	Fl.G. period 3s fl. 1s, ec. 2s	20 6	5	Pillar on hut; 15.	Maintained by local government.
9896 <i>E 2026</i>	-Transverse mole, head.	38° 05.2' N 13° 32.5' E	Fl.R. period 3s fl. 1s, ec. 2s	33 10	4	Red metal framework tower; 20.	
9900 <i>E 2023</i>	Capo Zafferano.	38° 06.6' N 13° 32.5' E	Fl.(3)W.R. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	111 34	W. 16 R. 12	White octagonal tower, house; 36.	W. 105°-298°, R.-344°, W.- 355°. Reserve light range 12M (W.), 9M (R.).
PALERMO:							
9908 <i>E 2008</i>	-Diga Foranea.	38° 07.5' N 13° 22.6' E	Fl.(4)W. period 15s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 8s	49 15	15	White round tower; 36.	
	-RACON		P(• - - •) period 30s		10		
9910 <i>E 2013</i>	--Head.	38° 07.3' N 13° 22.8' E	L.Fl.G. period 5s fl. 2s, ec. 3s	39 12	5		
9912 <i>E 2014</i>	-S. mole, head.	38° 07.5' N 13° 22.4' E	L.Fl.R. period 5s fl. 2s, ec. 3s	31 9	8	Red tower; 19.	
9914 <i>E 2010</i>	-Industrial Port, breakwater, head.	38° 07.9' N 13° 22.7' E	F.G.				
9916 <i>E 2019</i>	-Pontile Vittorio Veneto, head.	38° 07.5' N 13° 22.2' E	2 F.G. (vert.)	26 8 23 7	3	Mast; 20.	Locally maintained.
9917 <i>E 2011</i>	Aquasanta, outer mole, head.	38° 08.6' N 13° 22.4' E	2 F.G. (vert.)	36 11	3	Green mast; 30.	
9917.5 <i>E 2012</i>	-Inner mole, head.	38° 08.6' N 13° 22.3' E	2 F.R. (vert.)	36 11	3	Red mast; 16.	
9924 <i>E 2005</i>	Mondello Valdesi, mole, head.	38° 11.8' N 13° 20.2' E	2 F.R. (vert.)	24 7 20 6	3	Red mast; 16.	2 F.G. (vert.) on mole 0.6 miles NNW.
9936 <i>E 2004</i>	Capo Gallo.	38° 13.3' N 13° 19.1' E	L.Fl.(2)W. period 15s fl. 2s, ec. 3s fl. 2s, ec. 8s	131 40	16	White round tower and house; 25.	Visible 077°-297°. Reserve light range 13M.
9940 <i>E 1994</i>	Punta Raisi, AVIATION LIGHT.	38° 11.4' N 13° 06.4' E	Al.Fl.W.G.		35	Metal framework tower on red and white checkered control tower.	Occasional.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SICILIA (SICILY) AND ADJACENT ISLANDS (I.)							
9944	-925 meters SW. of Punta Raisi.	0° 00.0' N 0° 00.0' E	Q.R. period 1s fl. 0.5s, ec. 0.5s	23 7	4	Airport landing stage.	Structure also shows white Aviation Light.
9948 <i>E 1994.2</i>	-AVIATION LIGHT, near point.	38° 11.1' N 13° 06.1' E	Mo.(Q)G. period 8s		12		
9952	Terrasini, E. mole, head.	38° 09.0' N 13° 04.6' E	2 F.R. (vert.)		1		
ISOLA D'USTICA:							
9956 <i>E 1996</i>	-Punta Omo-Morto.	38° 42.7' N 13° 11.8' E	Fl.(3)W. period 15s fl. 0.1s, ec. 2.9s fl. 0.1s, ec. 2.9s fl. 0.1s, ec. 8.9s	328 100	25	White tower, house; 33.	Visible 087°-356°. Reserve light range 18M.
			Oc.R. period 5s lt. 4s, ec. 1s	312 95	9		Visible 135°-145° over Secca Colombara.
9960 <i>E 1997</i>	-Cala Santa Maria, mole, head.	38° 42.4' N 13° 11.9' E	2 F.R. (vert.)	31 9 26 8	3	Red mast; 13.	
9964 <i>E 2000</i>	-Punta Gavazzi.	38° 41.6' N 13° 09.4' E	Fl.(4)W. period 12s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	131 40	16	White tower, house; 92.	Visible 297°-194°.
9968 <i>E 1992</i>	Castellammare del Golfo.	38° 01.9' N 12° 52.8' E	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	62 19	10	White quadrangular hut; 13.	Visible 263°-093°.
9972 <i>E 1993.5</i>	Terrasini, outer mole, head.	38° 09.4' N 13° 04.6' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	23 7	4	White mast, black bands; 13.	Maintained by local community.
9976 <i>E 1993.6</i>	Inner mole, head.	38° 09.4' N 13° 04.6' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	23 7	4	White mast, red bands; 4.	Maintained by local community.
9980 <i>E 1993</i>	-N. mole, head.	38° 02.0' N 12° 52.9' E	Fl.G. period 8s fl. 1s, ec. 7s	19 6	3	White metal column, black bands; 16.	
9984 <i>E 1990</i>	Punta Solanto, close N. of Torre dell'Usciere.	38° 10.4' N 12° 46.1' E	Fl.W.R. period 3s fl. 1s, ec. 2s	82 25	W. 10 R. 8	White quadrangular hut; 18.	R. 122°-144°, W.-122°.
9988 <i>E 1986</i>	Capo San Vito.	38° 11.2' N 12° 43.9' E	Fl.W. period 5s fl. 0.2s, ec. 4.8s	148 45	25	White round tower and house; 131.	Visible 036°-000°. Reserve light range 18M.
			Iso.R. period 4s	41 12	8	Same tower.	Visible 165°-225°.
9992 <i>E 1987</i>	-Breakwater, head.	38° 10.7' N 12° 44.0' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	23 7	5	Green mast; 16.	
9996 <i>E 1988</i>	-Lee breakwater, head.	38° 10.7' N 12° 44.0' E	2 F.R. (vert.)	31 9 23 7	3	Red mast; 19.	
ISOLE EGADI:							
10000 <i>E 1962</i>	-Isola de Levanzo, Capo Grosso, island, N. head.	38° 01.1' N 12° 19.9' E	Fl.(3)W. period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	223 68	11	White round tower, and dwelling; 39.	Visible 032°-331°. Reserve light range 10M.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SICILIA (SICILY) AND ADJACENT ISLANDS (I.)							
-Isola Marettimo:							
10004 <i>E 1956</i>	--Punta Libeccio.	37° 57.2' N 12° 03.1' E	Fl.(2)W. period 15s fl. 0.2s, ec. 3.6s fl. 0.2s, ec. 11s	240 73	22	White octagonal tower on 2-story white dwelling black bands, Punta Libeccio in black; 80.	Visible 298°-151°.
10008 <i>E 1960</i>	--Punta San Simone, island, E. side.	37° 57.9' N 12° 04.6' E	F.G.	23 7	3	Green iron column on masonry hut; 13.	
10012 <i>E 1958</i>	--Landing pier, head.	37° 58.1' N 12° 04.4' E	F.R.	26 8	3	Red post; 23.	
10016 <i>E 1948</i>	--Punta Marsala.	37° 54.3' N 12° 22.0' E	Fl.(4)W. period 15s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	65 20	15	White round tower in front of dwelling; 48.	Visible 202°-095°. Reserve light range 11M.
10018 <i>E 1947.5</i>	--Punta Scario Beacon.	37° 54.2' N 12° 24.3' E	Q.(9)W. period 15s	16 5	5	W. CARDINAL YBY, articulated beacon, topmark.	Radar reflector.
10020 <i>E 1952</i>	--Punta Sottile.	37° 56.0' N 12° 16.4' E	Fl.W. period 8s fl. 0.3s, ec. 7.7s	141 43	25	White round tower, dwelling; 126.	Visible 316°-237°. Aeromarine light. Reserve light range 18M.
10024 <i>E 1949</i>	--Favignana, outer mole, head.	37° 55.9' N 12° 20.8' E	Fl.R. period 4s fl. 0.5s, ec. 3.5s	23 7	7	Red column on pedestal.	
10028 <i>E 1950</i>	---Inner mole, head.	37° 55.8' N 12° 19.6' E	F.G., F.R. (vert.)	23 7 19 6	R. 4	Post, red and green bands; 20.	
10032 <i>E 1966</i>	Isolotto Formica, on the castle.	37° 59.3' N 12° 25.3' E	Fl.W. period 4s fl. 1s, ec. 3s	92 28	11	Castle, white round tower; 66.	
10036 <i>E 1968</i>	Scogli Porcelli, in approach to Trapani.	38° 02.6' N 12° 26.4' E	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	75 23	11	Round masonry tower; 82.	
10040 <i>E 1982</i>	Isolotto Asinelli, in approach to Trapani.	38° 03.8' N 12° 31.9' E	Fl.(2)W. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	43 13	7	ISOLATED DANGER BRB, tower, topmark; 36.	
10044 <i>E 1970</i>	-Scoglio Palumbo, N. side of entrance.	38° 00.9' N 12° 29.2' E	Fl.W. period 5s fl. 1s, ec. 4s	54 16	12	White round tower on octagonal one-story dwelling; 42.	
			Iso.R. period 2s	30 9	8		Visible 131°-176°.
10048 <i>E 1976</i>	-Molo della Columbaia, head.	38° 00.5' N 12° 29.9' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	30 9	8	Red column on pedestal; 16.	
10052 <i>E 1978</i>	-Molo del Ronciglio, head.	38° 00.6' N 12° 30.4' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	33 10	8	Green column on hut; 31.	
10060 <i>E 1979.2</i>	-Detached breakwater, E. head.	38° 00.7' N 12° 30.1' E	Fl.R. period 6s fl. 1s, ec. 5s	23 7	4	Red column on pedestal; 19.	Visible 073°-023°.
MARSALA:							
10064 <i>E 1940</i>	-W. mole, inner head.	37° 47.2' N 12° 26.3' E	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	62 19	15	White round tower, dwelling; 62.	Reserve light range 12M.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SICILIA (SICILY) AND ADJACENT ISLANDS (I.)							
10068 <i>E 1942</i>	-W. mole, outer head.	37° 46.9' N 12° 26.2' E	Fl.R. period 3s fl. 1s, ec. 2s	36 11	8	Lamppost, red and white bands; 21.	
10072 <i>E 1944</i>	-E. mole, head.	37° 47.1' N 12° 26.4' E	Fl.G. period 3s fl. 1s, ec. 2s	30 9	8	Green column on pedestal; 21.	
10076 <i>E 1938</i>	Capo Feto.	37° 39.6' N 12° 31.8' E	L.Fl.W. period 10s fl. 2s, ec. 8s	46 14	11	White tower, black bands on building; 33.	
10078 <i>E 1938.3</i>	-Gas pipeline beacon.	37° 39.5' N 12° 32.3' E	Fl.(3)Y. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	26 8	4	SPECIAL Y, stake, topmark.	Marks gas pipeline.
10080 <i>E 1932</i>	-W. mole, head.	37° 38.6' N 12° 35.0' E	Fl.R. period 4s	43 13	5	Red metal column on on hut; 16.	
10082 <i>E 1932.5</i>	--SE. corner.	37° 38.8' N 12° 34.9' E	Iso.R. period 2s	33 10	3	Red mast; 16.	
10084 <i>E 1933</i>	-E. mole, head.	37° 38.7' N 12° 35.0' E	Fl.G. period 4s fl. 1s, ec. 3s	43 13	8	Green metal column on hut; 16.	
10092 <i>E 1930</i>	Capo Granitola.	37° 33.8' N 12° 40.1' E	L.Fl.W. period 10s fl. 3s, ec. 7s	123 37	18	White round tower, balcony; 114.	Reserve light range 13M.
10094 <i>E 1928.5</i>	Capo San Marco.	37° 29.9' N 13° 01.2' E	Fl.(3)W. period 15s fl. 0.2s, ec. 3.7s fl. 0.2s, ec. 3.7s fl. 0.2s, ec. 7s	82 25	18	White tower on house; 36.	Reserve light range 18M.
10095 <i>E 1928.7</i>	-Capo San Marco, NW.	37° 32.0' N 12° 57.0' E	Fl.Y. period 5s fl. 1s, ec. 4s	16 5	6	SPECIAL Y, beacon, topmark.	
SCIACCA:							
10096 <i>E 1926</i>	-Molo di Levante, old head.	37° 30.1' N 13° 04.9' E	Fl.G. period 5s fl. 1s, ec. 4s		2	Green post; 10.	Visible inside the harbor only.
10100 <i>E 1926.2</i>	--Head.	37° 30.0' N 13° 04.8' E	Fl.G. period 4s fl. 1s, ec. 3s		2	Green metal column.	Visible inside the harbor only.
10104 <i>E 1927</i>	-Molo di Ponete, about 7 meters from head.	37° 30.0' N 13° 04.8' E	L.Fl.R. period 6s fl. 2s, ec. 4s	30 9	8	Red and white banded lamppost; 20.	Vessels should pass not closer than 40 meters.
10108 <i>E 1928</i>	-Diga di Levante.	37° 29.9' N 13° 04.7' E	L.Fl.G. period 6s fl. 2s, ec. 4s	36 11	8	White metal pillar on pedestal; 36.	
10112 <i>E 1922</i>	Capo Rosello.	37° 17.6' N 13° 27.1' E	Fl.(2)W. period 10s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 7.3s	312 95	22	Tower on building; 26.	Reserve light range 18M.
PORTO EMPEDOCLE:							
10116 <i>E 1918</i>	-E. mole, head.	37° 16.7' N 13° 31.8' E	Fl.G. period 3s fl. 1s, ec. 2s	30 9	8	Green framework on tower; 24.	
10120 <i>E 1916</i>	-W. mole, head.	37° 16.4' N 13° 31.7' E	Fl.R. period 3s fl. 1s, ec. 2s	39 12	8	Red column on lamppost; 20.	4 F.R. lights are shown from each of 2 chimneys, 269 feet high, about 275 yards west of root of W. mole.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SICILIA (SICILY) AND ADJACENT ISLANDS (I.)							
10124 <i>E 1920</i>	-Molo Francesco Crispi, old port, W. side.	37° 17.0' N 13° 31.9' E	2 F.R. (vert.)	19 6 15 5	3	Red post; 13.	Visible 172°-050°.
LICATA:							
10128 <i>E 1904</i>	-Mole di Levante.	37° 05.7' N 13° 56.6' E	Fl.W. period 5s fl. 0.3s, ec. 4.7s	131 40	21	White round tower; 123.	Obscured 095°-shore. Reserve light range 18M.
10132 <i>E 1908</i>	-Diga di Levante, head.	37° 05.2' N 13° 56.7' E	Fl.G. period 5s fl. 1s, ec. 4s	33 10	8	Green round tower; 26.	
10136 <i>E 1906</i>	--E. head.	37° 05.3' N 13° 56.3' E	Fl.R. period 3s fl. 1s, ec. 2s	30 9	4	Red tower; 3.	
10137 <i>E 1907</i>	-Darsena Marianello entrance, W.	37° 05.5' N 13° 56.0' E	2 F.R. (vert.)	20 6	3	Red mast; 16.	Private light.
10138 <i>E 1912.5</i>	--E. head.	37° 05.5' N 13° 56.1' E	2 F.G. (vert.)	20 6	3	Green mast; 16.	
10140 <i>E 1912</i>	-Molo di Ponente, head.	37° 05.5' N 13° 56.2' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	41 12	4	Red column on pedestal; 18.	Visible 160°-325°.
10144 <i>E 1905</i>	-Molo di Levante, head.	37° 05.5' N 13° 56.3' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	39 12	4	Green lamppost; 16.	
GELA:							
10152 <i>E 1902</i>	-Porto Refugio, Molo di Levante, head.	37° 03.7' N 14° 14.0' E	Fl.G. period 3s fl. 1s, ec. 2s	26 8	8	Green column, on pedestal; 18.	
10156 <i>E 1902.2</i>	--Molo di Ponente, head.	37° 03.7' N 14° 13.8' E	Fl.R. period 3s fl. 1s, ec. 2s	26 8	8	Red column, on pedestal; 18.	
10160 <i>E 1900.6</i>	-Jetty, head.	37° 02.5' N 14° 15.6' E	2 F.R. (vert.)	32 10 29 9	3	Red mast; 16.	Private light.
10164 <i>E 1900.4</i>	-Porto Isola, pier, head.	37° 01.8' N 14° 15.2' E	F.R., F.G. (vert.)	75 23 70 21	R. 3 G. 3	Post, red and black bands.	Private light.
10168 <i>E 1900.2</i>	--Breakwater, W. head.	37° 02.0' N 14° 14.8' E	Oc.G. period 4s lt. 3s, ec. 1s	40 12	3	Green mast on sentry box; 17.	
10172 <i>E 1900</i>	--Breakwater, E. head.	37° 01.7' N 14° 15.5' E	Oc.R. period 4s lt. 3s, ec. 1s	40 12	3	Red mast on sentry box; 17.	Private light.
10180 <i>E 1898</i>	Scoglitti.	36° 53.2' N 14° 26.4' E	Fl.(3)W. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	49 15	11	White stone tower on building; 43.	
10184 <i>E 1896</i>	Scaramia.	36° 47.1' N 14° 30.0' E	Fl.(2)W. period 8s fl. 1.5s, ec. 1s fl. 1.5s, ec. 4s	121 37	16	White round tower; 113.	Reserve light range 12M.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SICILIA (SICILY) AND ADJACENT ISLANDS (I.)							
10188 <i>E 1894</i>	Marina de Ragusa (Mazzarelle), on beach.	36° 46.8' N 14° 33.9' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	40 12	8	Square tower on bright yellow building; 39.	
10190 <i>E 7120</i>	Platform VEGA.	36° 32.3' N 14° 37.5' E	4 Mo.(U)W. period 15s	62 19	W. 10	Platform; 226.	Aero Obstruction lights 10 F.R. 3M. Nauphone: Mo.(U) ev. 30s.
			3 Mo.(U)R. period 15s	197 60	R. 5		
	RACON		V(•••-) period 30s		10		
10192 <i>E 1892</i>	Donnalucata, jetty, head.	36° 45.0' N 14° 38.0' E	2 F.G. (vert.)	23 7	3	Green pole; 16.	Maintained by local community.
10196 <i>E 1890</i>	Pozzallo, on beach.	36° 44.0' N 14° 51.0' E	Fl.(4)W. period 12s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	39 12	11	White round tower, red band, attached to one-story dwelling; 34.	Reserve light range 7M.
10200 <i>E 1891</i>	-Refuge harbor, W. mole, head.	36° 43.0' N 14° 50.0' E	F.R.	26 8	3	Red mast.	Maintained by local community.
10208 <i>E 1888</i>	Scogli Porri, on largest rock.	36° 40.9' N 14° 56.5' E	Fl.(2)W. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	34 10	11	Black and red banded framework tower on masonry hut; 26.	
10212 <i>E 1886</i>	Isola delle Correnti, S. point.	36° 38.3' N 15° 05.6' E	Fl.W. period 4s fl. 1s, ec. 3s	52 16	11	Tower on dwelling; 36.	
10216 <i>E 1885</i>	Porto Palo, mole, head.	36° 41.0' N 15° 09.0' E	Fl.G. period 3s fl. 1s, ec. 2s	19 6	3	Green column; 15.	Maintained by local government.
10220 <i>E 1885.4</i>	-Platform, about 82 meters off oil pier, head.	36° 40.2' N 15° 07.5' E	Q.Y.	40 12	3	Yellow post.	
10224 <i>E 1882</i>	Cozzo Spadaro.	36° 40.9' N 15° 08.7' E	Fl.(3)W. period 15s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 8.8s	270 82	24	White octagonal tower on square house; 120.	Visible 170°-095°. Reserve light range 18M.
10228 <i>E 1884</i>	Capo Passero.	36° 41.0' N 15° 09.0' E	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	128 39	11	White round tower on NE. angle of fort; 63.	Visible 151°-063°.
10230 <i>E 1880</i>	ACQUA AZZURA, LIGHTSHIP	36° 42.9' N 15° 09.2' E	F.R.				F.W. on bow and stern. Vessel 50 meters in length. Private.
10232 <i>E 1879</i>	Marzamemi, mole, head.	36° 43.7' N 15° 08.0' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	34 10	3	Red metal column; 20.	2 F.R.W. (vert.) are shown from N. breakwater.
10236 <i>E 1878</i>	-N. breakwater, head.	36° 43.0' N 15° 08.0' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	26 8	4	Green metal column; 16.	Private light.
10238 <i>E 1877.8</i>	Ognina.	36° 58.8' N 15° 15.8' E	Iso.W. period 2s	16 5	2	White post.	Private light.
10240 <i>E 1876</i>	Capo Murro di Porco.	37° 00.0' N 15° 20.7' E	Fl.W. period 5s fl. 1s, ec. 4s	112 34	17	White tower, dwelling; 66.	Visible 160°-090°. Reserve light range 10M.
SIRACUSA:							
10244 <i>E 1867</i>	-Punta Castelluccio, entrance, S. side.	37° 02.5' N 15° 18.3' E	Fl.R. period 3s fl. 1s, ec. 2s	69 21	9	Turret on white building, red bands; 28.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SICILIA (SICILY) AND ADJACENT ISLANDS (I.)							
10248 <i>E 1866</i>	-Castello Maniace, entrance, N. side.	37° 03.1' N 15° 17.8' E	Fl.G. period 3s fl. 1s, ec. 2s	90 27	9	Green tower on building; 23.	Visible 188°-330°.
10250 <i>E 1865.5</i>	-Isola dei Cani.	37° 03.7' N 15° 18.1' E	Fl.(2)W. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	20 6	3	ISOLATED DANGER BRB, beacon, topmark.	Private light.
10252 <i>E 1868</i>	-Caderini, W. shore of Porto Grande, entrance Range. front.	37° 02.8' N 15° 16.5' E	Iso.R. period 2s	39 12	17	Masonry tower, red and white checkered dwelling; 28.	Visible 224°-274°. Reserve light range 12M.
10256 <i>E 1868.1</i>	--Carroziere, rear, about 969 meters 267°12' from front.	37° 02.0' N 15° 15.0' E	Oc.W. period 5s lt. 4s, ec. 1s	82 25	17	Masonry tower, red and white checkered dwelling; 49.	Visible 261°-272°. Reserve light range 10M.
10260 <i>E 1870</i>	-La Darsena, entrance, S. side.	37° 02.0' N 15° 15.0' E	F.G.	18 5	3	White and black banded post; 10.	Private light.
10268 <i>E 1864</i>	-Porto Marmorea, N. breakwater, head.	37° 04.0' N 15° 17.7' E	2 F.G. (vert.)	33 10 26 8	3	Green post on hut; 16.	
10272 <i>E 1865</i>	--S. breakwater, head.	37° 04.0' N 15° 17.7' E	2 F.R. (vert.)	33 10 26 8	3	Red post on hut; 16.	
10276 <i>E 1862</i>	Baia dis Panagia, pier, head.	37° 07.0' N 15° 16.0' E	F.G., F.R. (vert.)		5	Support, black and white stripes.	Private light.
10280 <i>E 1862.4</i>	-Pier, head.	37° 07.0' N 15° 16.0' E	F.G.		2	White post, green bands; 16.	Private light.
10282 <i>E 1861.8</i>	-Dockyard pier, head.	37° 06.8' N 15° 15.2' E	Q.R.	23 7	4	Metal pile on sea wall.	Private light.
10284 <i>E 1862.5</i>	--"A1" Range, front.	37° 06.0' N 15° 15.0' E	Q.G.	42 13	4	Green post.	Visible 211°-244°. Private light.
10288 <i>E 1862.51</i>	--Rear, 229° 340 meters from front.	37° 06.4' N 15° 15.2' E	Oc.G. period 3s lt. 2s, ec. 1s	65 20	4	Green post.	Visible 206°-239°. Private light.
10292 <i>E 1862.59</i>	--"A2" Range, front.	37° 06.3' N 15° 15.7' E	Q.R.	43 13	3	Red post.	Visible 214°-247°. Private light.
10296 <i>E 1862.6</i>	--Common rear, 340 meters 229° from A2 front, 380 meters 345° from A3 front.	37° 06.2' N 15° 15.6' E	Oc.R. period 3s lt. 2s, ec. 1s	65 20	4	Red post.	Visible 219°-251°30.
10300 <i>E 1862.61</i>	--"A3" Range, front.	37° 06.4' N 15° 15.7' E	Q.W.	42 13	5	White post.	Visible 218°-251°.
10304 <i>E 1862.8</i>	--Beacon.	37° 07.0' N 15° 16.0' E	Fl.Y. period 3s fl. 0.5s, ec. 2.5s	10 3	4	Yellow beacon.	Private light.
10304.5 <i>E 1862.9</i>	-Terminal.	37° 06.6' N 15° 15.5' E	Fl.Y. period 5s fl. 1s, ec. 4s	20 6	3	SPECIAL Y, articulated beacon, topmark.	Private light.
10305 <i>E 1861.5</i>	-Seawater intake.	37° 08.4' N 15° 13.4' E	2 F.R. (vert.)	26 8 20 6	4	Red pile; 16.	Private light.
10306 <i>E 1861</i>	-Pontile Gulf, head.	37° 08.7' N 15° 14.3' E	2 F.G. (vert.)	56 17 53 16	3	Green metal mast on pedestal; 56.	Private light.
10308 <i>E 1860</i>	Pensola Magnisi, on point, N. side.	37° 09.0' N 15° 14.0' E	Fl.(4)W. period 12s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	33 10	11	White and black banded tower, concrete base; 20.	Visible 090°-320°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SICILIA (SICILY) AND ADJACENT ISLANDS (I.)							
10316 <i>E 1859</i>	Seno del Priolo, oil pier, head.	37° 09.8' N 15° 12.7' E	Iso.R. period 2s	33 10	3	Iron post; 20.	Private light.
AUGUSTA:							
10320 <i>E 1847</i>	-Diga Settentrionale, off head.	37° 11.8' N 15° 14.0' E	Fl.(2)G. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	39 12	8	STARBOARD (A) G, beacon, topmark; 41.	Radar reflector.
	-RACON		G(— — •) period 30s		10		
10324 <i>E 1848</i>	-Diga Centrale, off N. head.	37° 11.6' N 15° 14.0' E	Fl.(2)R. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	46 14	8	PORT (A) R, beacon, topmark; 48.	2 F.R. mark floodlit chimney 3.1 miles WNW. Radar reflector.
10328 <i>E 1846</i>	-Punta Gennalena, entrance Range, front.	37° 11.8' N 15° 11.2' E	Iso.W. period 4s	54 16	12	White building, black and white banded central tower; 29.	Visible 247°-299°. F.R. marks chimney 1.2 miles NW.
10332 <i>E 1846.1</i>	--Dromo Giglia, rear, 3 km. 273°51' from front.	37° 12.0' N 15° 09.2' E	Oc.W. period 5s lt. 3s, ec. 2s	259 79	17	White building, black and white banded central tower; 29.	Visible 245°-301°. Reserve light range 13M.
10336 <i>E 1849</i>	-Porticciolo di Terre Vecchie, breakwater, head.	37° 12.9' N 15° 13.5' E	F.R.	26 8	3	Red post; 20.	
10337 <i>E 1849.4</i>	-Augusta.	37° 13.1' N 15° 12.9' E	Q.(9)W. period 15s	16 5	5	W. CARDINAL YBY, articulated beacon, topmark.	Radar reflector.
10338 <i>E 1849.6</i>	--Darsena Servizi, W. mole, head.	37° 13.5' N 15° 13.0' E	Fl.G. period 5s fl. 1s, ec. 4s	20 6	4	Green mast; 16.	Fl.R. 5s 4M marks E. mole.
10340 <i>E 1850</i>	-Cala dei Molo, entrance, S. side.	37° 13.8' N 15° 13.1' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	23 7	4	Green iron column on white hut; 23.	A F.R. light is located at Porto di Augusta on the Cathedral Belfry.
10352 <i>E 1852</i>	-Pontile Shell, head.	37° 14.3' N 15° 12.9' E	2 F.G. (vert.)	21 6 16 5	3	Iron pole; 16.	Private light.
10354 <i>E 1852.5</i>	-Commercial Pier, head.	37° 14.1' N 15° 11.8' E	F.G.	20 6	4	Green pile; 16.	Private light.
10355 <i>E 1852.6</i>	-Pontile Ro-Ro, head.	37° 14.1' N 15° 11.7' E	3 F.R.G.R. (vert.)	26 8	4	Red post, green bands; 20.	Private light.
10364 <i>E 1854</i>	-Pontile Esso No. "1", 150 meters from head.	37° 12.6' N 15° 11.7' E	F.R.G. (vert.)	29 9 23 7	3	Gray post.	Private light.
10368 <i>E 1855</i>	- -No. "2".	37° 12.4' N 15° 11.7' E	F.R.R.G. (vert.)	26 8 20 6 13 4	3	Yellow mast on platform; 79.	Private light.
10372 <i>E 1855.2</i>	--Water hydrant.	37° 12.6' N 15° 11.1' E	Fl.Y. period 3s fl. 0.5s, ec. 2.5s		3	SPECIAL Y, framework tower, topmark.	Private light.
10376 <i>E 1856</i>	-Cement pier, head.	37° 11.7' N 15° 11.6' E	2 F.G. (vert.)	40 12 36 11	3	Green post; 36.	Private light.
10378 <i>E 1856.5</i>	-Pier, head.	37° 11.5' N 15° 11.4' E	F.R.	23 7	3	Yellow post.	Private light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SICILIA (SICILY) AND ADJACENT ISLANDS (I.)							
10380 <i>E 1857</i>	-Pontile Marina Militare, head.	37° 11.5' N 15° 11.8' E	Fl.G.R. (vert.) period 2s fl. 0.5s, ec. 1.5s	30 9 23 7	3	Green post, red bands; 13.	
10384 <i>E 1857.4</i>	-Supertanker Pier, head.	37° 11.3' N 15° 12.4' E	3 F.G. (vert.)	60 18 56 17 49 15	3	Green post.	Private light.
10386 <i>E 1858</i>	-Liquids Pier, head.	37° 10.9' N 15° 12.4' E	F.G.R.G. (vert.)	56 17 53 16 46 14	3	Post; 46.	Private light.
10387 <i>E 1858.1</i>	-Center, head.	37° 10.7' N 15° 12.2' E	F.R.		3	Gray mast.	Private light.
10388 <i>E 1858.2</i>	-Solids Pier, head.	37° 10.5' N 15° 12.4' E	F.R.G.R. (vert.)	59 18 54 16 49 15	3	Post; 46.	Private light.
10389 <i>E 1858.3</i>	-Jetty.	37° 10.4' N 15° 12.4' E	F.R.		3	Gray mast.	Private light.
10390 <i>E 1858.4</i>	-South Passage, E. side.	37° 10.6' N 15° 13.0' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	30 9	5	STARBOARD (A) G, beacon tower, topmark; 33.	Private light.
10391 <i>E 1858.6</i>	--W. side.	37° 10.5' N 15° 12.8' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	30 9	5	PORT (A) R, beacon tower, topmark; 33.	Private light.
10392 <i>E 1838</i>	Capo Santa Croce.	37° 14.5' N 15° 15.5' E	L.Fl.(2)W. period 12s fl. 2s, ec. 2s fl. 2s, ec. 6s	128 39	16	White round tower on dwelling; 89.	Visible 146°-021°. Reserve light range 10M.
10396 <i>E 1836</i>	Brucoli, entrance, E. side.	37° 17.0' N 15° 11.4' E	Fl.W. period 5s fl. 1s, ec. 4s	43 13	11	White tower, red band on building; 16.	Obscured by Capo Campoloto when bearing greater than 230°.
CATANIA:							
10400 <i>E 1828</i>	-Sciara Biscari.	37° 29.2' N 15° 05.2' E	Fl.W. period 5s fl. 0.4s, ec. 4.6s	102 31	22	White round tower on masonry hut; 93.	Reserve light range 18M.
10404 <i>E 1832</i>	-Molo di Mezzogiorno, head.	37° 29.4' N 15° 05.9' E	Fl.R. period 2s fl. 0.5s, ec. 1.5s	36 11	5	Red column on pedestal; 20.	
10408 <i>E 1832.5</i>	--S. head.	37° 29.3' N 15° 05.7' E	L.Fl.R. period 5s fl. 2s, ec. 3s	24 7	5	Red post on platform; 16.	
10420 <i>E 1830</i>	-Molo di Levante, head.	37° 29.1' N 15° 06.0' E	L.Fl.G. period 5s fl. 2s, ec. 3s	39 12	8	Green column; 20.	
10424 <i>E 1831</i>	-Molo di Levante, knuckle.	37° 29.4' N 15° 06.0' E	Fl.G. period 2s fl. 0.5s, ec. 1.5s	37 11	5	Green column on pedestal; 18.	Obscured from 175°-335°.
10428 <i>E 1827</i>	Acicastello, Molo Porticciolo, N. corner.	37° 33.0' N 15° 09.9' E	Fl.R. period 4s fl. 1s, ec. 3s	19 6	3	Red post; 10.	Private light.
10432 <i>E 1826</i>	Capo Molini.	37° 34.6' N 15° 10.6' E	Fl.(3)W. period 15s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 8.8s	138 42	22	White hut on square tower; 67.	Reserve light range 18M.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SICILIA (SICILY) AND ADJACENT ISLANDS (I.)							
10434 <i>E 1821</i>	Giardini Naxos, mole, head.	37° 49.6' N 15° 16.5' E	Fl.R. period 4s fl. 1s, ec. 3s	16 5	8	Red column.	Private.
RIPOSTO:							
10436 <i>E 1822</i>	-Punta Chiancona.	37° 43.7' N 15° 12.7' E	L.Fl.W. period 5s fl. 2s, ec. 3s	49 15	17	White round tower; 20.	
10440 <i>E 1823</i>	-E. mole, head.	37° 44.0' N 15° 12.7' E	Fl.R. period 3s	36 11	5	Red post.	
10442 <i>E 1824</i>	-W. mole, head.	37° 44.0' N 15° 12.4' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	20 6	4	Green post; 16.	
ISOLE PELAGIE:							
-Isola di Lampedusa:							
10444 <i>E 2088</i>	--Capo Grecale.	35° 31.0' N 12° 37.9' E	Fl.W. period 5s fl. 0.3s, ec. 4.7s	269 82	22	White octagonal tower, dwelling; 62.	Visible 112°-075°. Reserve light range 18M.
10448 <i>E 2089</i>	--Lampedusa, on Punta Maccaferri, entrance, E. side.	35° 29.6' N 12° 36.2' E	Fl.G. period 3s fl. 1s, ec. 2s	57 17	8	Green column on pedestal; 16.	
10452 <i>E 2092</i>	---Health office, mole, head.	35° 29.8' N 12° 36.3' E	Fl.R.	23 7	3	Red post; 13.	
10456 <i>E 2091</i>	--Punta Favalaro, breakwater, head.	35° 29.8' N 12° 36.2' E	Fl.R. period 5s fl. 1s, ec. 4s	23 7	7	Red metal column on round pedestal; 16.	
10460 <i>E 2090</i>	--Punta Guitgia, entrance, W. side.	35° 29.6' N 12° 35.9' E	Fl.R. period 3s fl. 1s, ec. 2s	47 14	8	Red column on pedestal; 16.	
10464 <i>E 2086</i>	--Capo Ponente, island, W. head.	35° 31.1' N 12° 31.2' E	Fl.(3)W. period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	360 110	8	White column; 16.	Visible 290°-222°.
-Isola di Linosa:							
10468 <i>E 2082</i>	--Punta Beppe Tuccio.	35° 52.2' N 12° 52.6' E	Fl.(4)W. period 20s fl. 1s, ec. 3s fl. 1s, ec. 3s fl. 1s, ec. 3s fl. 1s, ec. 7s	105 32	16	White round tower, dwelling; 56.	Visible 107°-345°, at distance less than 6 miles 103°-346°. Reserve light range 12M.
10472 <i>E 2080</i>	--Punta Arena Bianca, island, SW. side.	35° 51.3' N 12° 51.2' E	Fl.W. period 5s fl. 1s, ec. 4s	31 9	9	White column on white hut; 20.	Visible 276°-30°-150°.
10476 <i>E 2084</i>	-Isolotto Lampione.	35° 32.9' N 12° 19.2' E	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	131 40	7	Quadrangular masonry building; 20.	
ISOLA DI PANTELLARIA:							
10480 <i>E 2094</i>	-Punta Spadillo.	36° 49.3' N 12° 00.7' E	Fl.(2)W. period 10s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 7.3s	164 50	24	White round tower; 69.	Reserve light range 18M.
10484 <i>E 2107</i>	-Punta Tracino.	36° 47.9' N 12° 02.9' E	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	161 49	10	White round tower; 23.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SICILIA (SICILY) AND ADJACENT ISLANDS (I.)							
10492 <i>E 2106</i>	-Punta Limarsi.	36° 44.3' N 12° 02.2' E	Fl.(3)W. period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 9.5s	115 35	7	Framework structure, white round beacon; 20.	
10496 <i>E 2096</i>	-Scauri.	36° 46.1' N 11° 57.5' E	Fl.W. period 5s fl. 1s, ec. 4s	60 18	10	White framework structure; 20.	Fl.R. 3s shown from head of W. mole, Fl.G. 3s shown from head of E. mole.
10500 <i>E 2098</i>	-Punta San Leonardo.	36° 50.1' N 11° 56.7' E	Fl.W. period 3s fl. 1s, ec. 2s	69 21	15	Yellow two-story dwelling; 9.	Reserve light range 8M.

Section 8

Malta, South and East Coasts of Italy, and Slovenia

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
MALTA AND GHAWDEX (GOZO)							
GHAWDEX (GOZO):							
10504 <i>E 2050</i>	-Gurden (Gordan).	36° 04.4' N 14° 13.1' E	Fl.W. period 7.5s fl. 0.3s, ec. 7.2s	592 180	20	White tower on dwelling; 72.	
10508 <i>E 2051</i>	-Ramla Tal-Mgarr Harbor, main breakwater.	36° 01.5' N 14° 18.2' E	Fl.R. period 4s				
10512 <i>E 2051.2</i>	--N. breakwater, head.	36° 01.6' N 14° 18.2' E	Fl.G. period 5s				
KEMMUNA RAS L-LRQIEQA:							
10516 <i>E 2054</i>	-Irkieka ta Kemmuna.	36° 00.3' N 14° 19.5' E	Fl.W. period 2s	23 7	2	White concrete column.	
MALTA:							
10524 <i>E 2055.5</i>	-Cirkewwa, ro-ro terminal, head.	35° 59.4' N 14° 19.8' E	Fl.R. period 2s	33 10	2	Concrete column.	
10526 <i>E 2057</i>	-Mellieha rock.	35° 58.3' N 14° 21.5' E	Fl.(2)W. period 5s	10 3	2		
10528 <i>E 2058</i>	-St. Paul's Bay, jetty, root.	35° 56.9' N 14° 23.4' E	Fl.R. period 2s	26 8	2		
10532	--Fairway Buoy.	35° 54.8' N 14° 32.5' E	L.Fl.W. period 10s			SAFE WATER RW, pillar, topmark.	Radar reflector.
10544 <i>E 2061.5</i>	--Valleta.	35° 54.2' N 14° 31.2' E	Fl.(3)W. period 15s	161 49	19	Metal framework tower on Fort St. Elmo.	
10548 <i>E 2062</i>	--St. Elmo, W. side of entrance to Grand Harbor, breakwater, head.	35° 54.2' N 14° 31.6' E	Q.G.	52 16	7	White round tower, red band on E. side.	
10552 <i>E 2064</i>	--Ricasoli Breakwater, Grand Harbor, E. side of entrance, head.	35° 54.0' N 14° 31.4' E	Q.R.	36 11	6	Metal structure on white round stone tower, red bands on E. side; 30.	Obscured 120°-157° during firing or searchlight exercises.
10560 <i>E 2068</i>	-Luca AVIATION LIGHT.	35° 51.4' N 14° 28.1' E	Mo.(LU)G. period 9s	340 104	25	Framework structure; 9.	Visible from 170° to 345°. Occasional.
10564 <i>E 2070</i>	-Delimara Point.	35° 49.4' N 14° 33.6' E	Fl.(2)W. period 12s	115 35	18	Building.	
10565 <i>E 2070.6</i>	-Breakwater, head.	35° 49.1' N 14° 33.0' E	Fl.R. period 3s fl. 0.7s, ec. 2.3s	59 18	6		Visible 260°-042°.
10566 <i>E 2070.4</i>	--Inner breakwater.	35° 49.2' N 14° 32.7' E	Q.R.	30 9	8		
10568 <i>E 2070.7</i>	-Container terminal No. 2, E.	35° 49.3' N 14° 32.6' E	L.Fl.R. period 10s	30 9	8		Wharf marked by V.Q.R. 9m 6M 250 meters W., Fl.R. 5s 9m 7M 350 meters W.
10572 <i>E 2076</i>	--Fueling dolphin.	35° 49.7' N 14° 33.0' E	Fl.W. period 2s fl. 0.5s, ec. 1.5s				

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-SOUTHEAST COAST							
10580 <i>E 1782</i>	Capo Spartivento.	37° 55.5' N 16° 03.7' E	Fl.W. period 8s fl. 0.3s, ec. 7.7s	208 63	24	White square tower on dwelling; 51.	Visible 222°-082°. Reserve light range 18M.
10584 <i>E 2108</i>	Punta Stilo.	38° 26.8' N 16° 34.7' E	Fl.(3)W. period 15s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 8.8s	177 54	22	Quadrangular tower, black and white bands, yellow base; 51.	Reserve light range 18M.
10588 <i>E 2109</i>	Siderno Marina.	38° 27.0' N 16° 35.0' E	F.R.G. (vert.)	43 13 39 12	3	Post, red and black bands.	
10592 <i>E 2111.4</i>	-Lee mole, head.	0° 00.0' 0° 00.0'	Fl.R. period 4s fl. 1s, ec. 3s	36 11	4	Red and white banded lamppost; 24.	
10596 <i>E 2112</i>	Capo Rizzuto.	38° 53.7' N 17° 05.7' E	L.Fl.(2)W.R. period 10s fl. 2s, ec. 1s fl. 2s, ec. 5s	121 37	W. 17 R. 13	White octagonal tower on dwelling; 57.	R. 227°-270°, W.-084°, R.-133°.
10600 <i>E 2118</i>	Capo Colonne.	39° 01.5' N 17° 12.4' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	131 40	24	White octagonal tower on two-story dwelling; 72.	Visible 127°-020°. Reserve light range 18M.
CROTONE:							
10604 <i>E 2122</i>	-Porto Vecchio, 38 meters from breakwater, head.	39° 04.6' N 17° 08.2' E	Fl.(2)G. period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	36 11	8	Green metal column on pedestal; 13.	Vessels should not pass closer than 60 meters.
10608 <i>E 2123</i>	--Molo Sanita, head.	39° 04.6' N 17° 08.1' E	Fl.(2)R. period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	30 9	8	Red post; 23.	
10612 <i>E 2121.5</i>	-Porto Nuovo, head of Molo Giunti.	39° 05.2' N 17° 07.9' E	F.G.	30 9	4	Green pole; 23.	
10616 <i>E 2121</i>	Molo Sottoflutto, head.	39° 05.5' N 17° 07.6' E	Fl.G. period 5s fl. 1s, ec. 4s	36 11	8	Green framework tower; 23.	Vessels should pass not closer than 50 meters.
10620 <i>E 2120</i>	-Foraneo, mole, head.	39° 05.2' N 17° 07.6' E	Fl.R. period 5s fl. 1s, ec. 4s	36 11	7	Red framework tower; 23.	Vessels should pass not closer than 100 meters.
10624 <i>E 2128</i>	Punta Alice.	39° 24.0' N 17° 09.5' E	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	102 31	16	White octagonal tower on dwelling; 88.	
10628 <i>E 2130</i>	Capo Trionto.	39° 37.0' N 16° 46.0' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	69 21	12	White tower on dwelling; 59.	Reserve light F.W. 9M.
10630 <i>E 2130.5</i>	Punta Coscio.	39° 43.9' N 16° 30.4' E	Fl.(4)W. period 20s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 12s	75 23	12		Private.
10631 <i>E 2130.6</i>	Laghi di Sibari Range, front.	39° 44.0' N 16° 30.6' E	Iso.W. period 2s	15 5	4	Pyramidal mast, black and white bands; 15.	Visible 124°-154°.
10631.1 <i>E 2130.61</i>	-Rear, 60 meters 139° from front.	0° 00.0' 0° 00.0'	Iso.W. period 2s	23 7	4	Pyramidal mast, red and white bands; 20.	Visible 136°-246°. Synchronized with front.
10632 <i>E 2131</i>	Laghi di Sibari, marina, head of S. mole.	39° 44.0' N 16° 31.0' E	Q.R.	23 7	5	Red mast; 20.	Private.
10636 <i>E 2131.2</i>	-N. mole, head.	39° 44.0' N 16° 31.0' E	Q.G.	23 7	3	Green mast; 20.	Private.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-SOUTHEAST COAST							
TARANTO:							
10640 <i>E 2132</i>	-Capo San Vito.	40° 24.6' N 17° 12.3' E	Fl.(3)W. period 15s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 8.8s	151 46	22	White octagonal tower, dwelling; 141.	Reserve light range 18M. Signal station.
10642 <i>E 2133</i>	-Mar Grande.	40° 25.3' N 17° 10.6' E	Q.(9)W. period 15s	26 8	5	W. CARDINAL YBY, articulated beacon, topmark.	Radar reflector.
10644 <i>E 2134</i>	-Diga di San Vito, W. head.	40° 26.0' N 17° 12.0' E	Fl.(2)G. period 7s fl. 1s, ec. 1s fl. 1s, ec. 4s	72 22	9	Green tower; 59.	When near Capo San Vito, partially obscured by the lights of Taranto.
	-RACON		TA(- • -) period 30s		10		
10646 <i>E 2137</i>	-Isola San Pietro, jetty, head.	40° 27.3' N 17° 09.7' E	Fl.Y. period 4s	26 8	4	Yellow post; 23.	Private light.
10648 <i>E 2138</i>	-Isolotto San Paolo, breakwater, head.	40° 26.1' N 17° 10.9' E	Fl.(2)R. period 7s fl. 1s, ec. 1s fl. 1s, ec. 4s	38 12	7	Red round tower; 36.	Safety distance 50 meters.
10650 <i>E 2142.3</i>	-Secca della Sirena, S.	40° 22.6' N 17° 12.7' E	Q.(6)+L.Fl.W. period 15s		5	S. CARDINAL YB, articulated beacon, topmark.	Q.R. and Q.G. articulated lights mark channel to E. Radar reflector.
10656 <i>E 2142.4</i>	-Secca della Sirena, W.	40° 27.7' N 17° 12.8' E	Q.R.	19 6	6	PORT (A) R, beacon, topmark.	Private light.
10660 <i>E 2142.5</i>	-Mar Grande, close SW. Secca della Sirena.	40° 27.7' N 17° 13.0' E	Q.G.	20 6	7	STARBOARD (A) G, beacon, topmark.	Private light.
10664 <i>E 2142.6</i>	-Detached breakwater, SE. head.	40° 27.9' N 17° 12.7' E	Q.R.	33 10	4	Red mast; 26.	Private light.
10672 <i>E 2143</i>	-Pontile Chiapparo, W. extremity.	40° 26.2' N 17° 14.7' E	F.G., F.R. (vert.)	26 8 21 6	4	Green mast, red bands; 19.	
10676 <i>E 2143.2</i>	--N. extremity.	40° 26.3' N 17° 14.8' E	F.R., F.G. (vert.)	26 8 21 6	4	Red mast, green bands; 19.	
10677 <i>E 2144</i>	--Jetty, head.	40° 26.8' N 17° 14.8' E	F.R.	26 8	5	Red column on pedestal.	
-Passagio Piccolo:							
10680 <i>E 2150</i>	--Mar Grande Range, Secca della Tarantola, front.	40° 26.8' N 17° 13.8' E	Fl.W.G. period 3s fl. 1s, ec. 2s	41 12	W. G. 9 7	Green round tower; 36.	G. 057°-187°30', W. (over range line)-198°30', G.-025°, obsc.-057°.
10684 <i>E 2150.1</i>	---Rear, near Casa Gigante, about 3 km. 193° from front.	40° 25.4' N 17° 13.2' E	Iso.W. period 3s	69 21	14	Mast on white square tower, black stripes and top; 65.	Visible 189°36'-196°24'. F.R. on masthead. Reserve light range 10M.
10688 <i>E 2152</i>	--Mar Piccolo, N. Range, front.	40° 29.2' N 17° 14.5' E	Q.R.	39 12	6	Pyramidal structure, black and white stripes; 33.	
10690 <i>E 2185.6</i>	--Fanale.	40° 29.7' N 17° 15.9' E	Fl.Y. period 3s fl. 1s, ec. 2s	43 13	3	Platform, 42.	Private light.
10692 <i>E 2152.1</i>	---Rear, 013° from front, near Casa Troilo.	40° 30.0' N 17° 15.0' E	Fl.W. period 3s fl. 1s, ec. 2s	66 20	8	White tower, black stripes; 33.	
10694 <i>E 2158.4</i>	--Water intake.	40° 29.4' N 17° 14.3' E	F.Y.	33 10	3		A F.Y. light is shown at head of 3 structures. Private light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-SOUTHEAST COAST							
10696 <i>E 2153</i>	--Canale Navigabile.	40° 28.3' N 17° 14.2' E	F.R.	26 8	6	Framework tower.	
10700 <i>E 2145</i>	--Commercial port, W. mole, head.	40° 28.5' N 17° 13.3' E	Fl.R. period 5s fl. 1s, ec. 4s	33 10	4	Red post; 19.	
10702 <i>E 2145.2</i>	---W. side.	40° 28.5' N 17° 13.2' E	F.G.	33 10	4	Green post; 19.	
10704 <i>E 2146</i>	---E. mole, head.	40° 28.5' N 17° 13.5' E	Fl.G. period 5s fl. 1s, ec. 4s	39 12	8	Green column on pedestal; 33.	
-Porto Industriale:							
10708 <i>E 2144.4</i>	--Italsider, pier "2", SE. corner, head.	40° 28.4' N 17° 13.1' E	F.R., F.G. (vert.)	33 10 29 9	5	Red and green banded post; 18.	F.G., F.R. (vert.) shown from SW. corner. Private light.
10712 <i>E 2144.43</i>	-Pier "3", SE. corner, head.	40° 28.4' N 17° 12.9' E	F.R., F.G. (vert.)	33 10 29 9	3	Red mast, green bands; 19.	Private light.
10716 <i>E 2144.44</i>	--SW. corner, head.	40° 28.4' N 17° 13.0' E	F.G., F.R. (vert.)	33 10 29 9	3	Green mast, red bands; 19.	Private light.
10718 <i>E 2144.47</i>	--Pier "4" Range, front.	40° 28.7' N 17° 12.3' E	Q.R.	66 20	6	Mast, white rectangular daymark, black stripe; 59.	Occasional. Private light.
10719 <i>E 2144.48</i>	---Rear, 690 meters 341° from front.	40° 29.1' N 17° 12.1' E	Oc.W. period 3s	137 42	20	Mast, white rectangular daymark, black stripe; 59.	Occasional. Private light.
10720 <i>E 2144.45</i>	-Pier "4", SE. corner, head.	40° 28.4' N 17° 12.5' E	F.R., F.G. (vert.)	33 10 29 9	3	Green post, red bands; 19.	Private light.
10722 <i>E 2142.8</i>	-Pontile AGIP, 150 meters SSE from breakwater, head.	40° 28.2' N 17° 11.7' E	Fl.Y. period 2s fl. 0.5s, ec. 1.5s	33 10	3	Yellow post; 19.	Marks fixed mooring caisson. Private light.
10724 <i>E 2144.5</i>	--E. breakwater, E. head.	40° 28.2' N 17° 13.2' E	Fl.R. period 5s fl. 1s, ec. 4s	39 12	6	Red column on pedestal with hut; 30.	
-Punta Rondinella:							
10728 <i>E 2162</i>	--Detached breakwater, N. head.	40° 29.0' N 17° 08.0' E	Fl.G. period 5s fl. 1s, ec. 4s	46 14	8	Green pole; 20.	Private light. Ponta Rondinella Passage marked by Fl.R. 3s, Fl.G. 3s 1.35 miles ESE.
10732 <i>E 2162.2</i>	---S. head.	40° 28.9' N 17° 08.8' E	Q.R. period 1s	47 14	4	Red pole; 20.	Harbor approach marked by articulated beacons Q.(6)+L.Fl.W. 15s 2.8 miles SSW., Q.(9)W. 15s 2.4 miles SW., 2.5 miles WSW., 1.5 miles W. Private light.
10736 <i>E 2162.4</i>	--Lee mole, head.	40° 29.7' N 17° 08.8' E	Fl.R. period 5s fl. 1s, ec. 4s	47 14	8	Red pole; 19.	Articulated beacons Q.Y. 5M 650 meters 315°, Q.Y. 6M 840 meters 167°, Q.G. 3M 620 meters 114° from light. Private light.
10740 <i>E 2162.6</i>	-Passaggi scogliera Punta Rondinella, N. side.	40° 29.7' N 17° 09.3' E	F.G.	33 10	3	Green pole; 19.	Private light.
10744 <i>E 2142.92</i>	--W. side.	40° 28.0' N 17° 10.0' E	Q.G.	33 10	3	Green pole; 26.	Private light.
10748 <i>E 2142.9</i>	--breakwater, E. side.	40° 28.0' N 17° 10.0' E	Q.R.	33 10	3	Red pole; 26.	Private light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-SOUTHEAST COAST							
10752 <i>E 2164</i>	Porto Cesareo, entrance Range, front.	40° 15.5' N 17° 54.2' E	Iso.W. period 2s	42 13	7	Framework tower on black and white checkered hut; 39.	Visible 350°-068°.
10756 <i>E 2164.1</i>	-Rear, 765 meters 034° from front.	40° 16.0' N 17° 54.2' E	Oc.W. period 3s lt. 2s, ec. 1s	87 27	11	Black and white checkered quadrangular tower; 49.	Visible 339°-099°.
GALLIPOLI:							
10760 <i>E 2168</i>	-Isola Sant' Andrea.	40° 02.8' N 17° 56.7' E	Fl.(2)W. period 10s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 7.3s	148 45	19	White octagonal tower on two-story dwelling; 141.	
10764 <i>E 2172</i>	-Molo di Tramontana.	40° 03.6' N 17° 59.0' E	Fl.G. period 5s fl. 1s, ec. 4s	36 11	9	Green round tower; 29.	Visible 090°-054° (S. of peninsula visible 353°-002°). Safety distance 70m.
10765 <i>E 2172.2</i>	--Molo di Sottoflutto.	40° 03.5' N 17° 59.0' E	Fl.R. period 5s fl. 1s, ec. 4s	36 11	9	Red round tower; 26.	Safety distance 50m.
10768 <i>E 2170</i>	-Secca del Rafo.	40° 03.8' N 17° 58.6' E	Q.W.	16 5	5	N. CARDINAL BY, articulated beacon, topmark.	Radar reflector.
10772 <i>E 2173</i>	-Seno del Canneto, breakwater, head.	40° 03.1' N 17° 58.8' E	F.R.	23 7	6	Red post; 16.	F.G. shown on mole.
10776 <i>E 2174</i>	Torre San Giovanni.	39° 53.2' N 18° 06.8' E	Iso.W.R. period 4s	79 24	W. 15 R. 11	Black and white checkered tower; 72.	R. 310°-013°, W.-120°. Reserve light range W. 11M, R. 9M.
10778 <i>E 2174.4</i>	-Secche di Ugento.	39° 49.8' N 18° 07.7' E	Q.(9)W. period 15s	19 6	5	W. CARDINAL YBY, beacon, topmark.	Radar reflector.
10780 <i>E 2176</i>	Capo Santa Maria di Leuca.	39° 47.7' N 18° 22.1' E	Fl.(3)W. period 15s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 8.5s	334 102	24	White octagonal tower on two-story dwelling; 159.	Reserve light range 18M. Signal station. Radiobeacon.
			Oc.R. period 4s lt. 3s, ec. 1s	328 100	11	Same tower.	Visible 094°-106°.
10784 <i>E 2177</i>	Tricase, outer mole, head.	39° 55.9' N 18° 23.8' E	Iso.G. period 2s	33 10	4	Green pole; 20.	
10786 <i>E 2177.5</i>	Castro, outer mole, head.	40° 00.0' N 18° 25.7' E	Fl.R. period 3s	20 6	7	Red post.	Private light.
ITALY-EAST COAST							
10788 <i>E 2178</i>	Capo d'Otranto.	40° 06.4' N 18° 31.2' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	197 60	18	Lantern on rectangular structure; 26.	Reserve light range 11M.
10792 <i>E 2182</i>	Otranto, Punta Craul, N. of port.	40° 09.2' N 18° 29.6' E	Fl.(3)W.R. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	39 12	W. 13 R. 9	White column on pedestal; 30.	R. 165°-183°, W.-165°. Reserve light range W. 11M, R. 8M.
10796 <i>E 2186</i>	-Punta San Nicola, mole, head.	40° 08.9' N 18° 29.7' E	Fl.R. period 3s fl. 1s, ec. 2s	36 11	8	Red column on pedestal; 20.	
10800 <i>E 2188</i>	Torre Sant' Andrea.	40° 15.3' N 18° 26.7' E	Fl.(2)W.R. period 7s fl. 1s, ec. 1s fl. 1s, ec. 4s	79 24	W. 15 R. 12	Square black and white checkered tower; 52.	R. 300°-343°, W.-300°. Reserve light range W. 11M, R. 8M.
10804 <i>E 2190</i>	San Foca di Melendugno.	40° 18.3' N 18° 24.3' E	F.G.	18 5	3	Green mast.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-EAST COAST							
10808 <i>E 2192</i>	Punta San Cataldo di Lecce.	40° 23.4' N 18° 18.5' E	L.F.I.W. period 5s fl. 2s, ec. 3s	82 25	16	White tower on white building; 77.	Visible 140°-315°. Reserve light range 12M.
BRINDISI:							
10812 <i>E 2194</i>	-Cape Cavallo.	40° 39.7' N 18° 02.3' E	Q.(3)W. period 10s	16 5	5	E. CARDINAL BYB, articulated beacon.	Radar reflector.
10816 <i>E 2196</i>	-Le Pedagne, on Isolotto Traverso, E. side.	40° 39.5' N 17° 59.4' E	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	69 21	8	White round tower on black round dwelling; 61.	Visible 349°-252°.
10822 <i>E 2208</i>	-Brindisi-Casale AVIATION LIGHT.	40° 39.1' N 17° 56.6' E	Al.FI.W.G. period 17s W. fl. 1s, ec. 3s G. fl. 1s, ec. 3s W. fl. 1s, ec. 8s	59 18	W. 24 G. 18	Tower; 33.	Private light.
10822.5 <i>E 2198</i>	-Main breakwater, head.	40° 39.7' N 17° 59.8' E	Fl.(2)G. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	40 12	5	Green pole.	Private light.
10824 <i>E 2204</i>	-Castello a Mare, S., N. breakwater, head.	40° 39.1' N 17° 58.1' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	39 12	8	Green tower; 29.	Nautophone: Mo.(M) ev. 20s.
10828 <i>E 2206</i>	-Castello a Mare, S. breakwater, head.	40° 39.0' N 17° 58.2' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	34 10	7	Red round tower; 23.	
10830 <i>E 2203</i>	-Molo Montecatini Edison, head.	40° 38.9' N 17° 58.9' E	2 F.R. (vert.)	36 11 33 10	5	Red post; 16.	Private light.
-Canale Pigonati:							
10832 <i>E 2212</i>	--Inner harbor entrance, E. side.	40° 38.7' N 17° 57.2' E	Iso.R. period 2s	30 9	5	Red column on hut; 20.	
10836 <i>E 2210</i>	--Inner harbor entrance, W. side.	40° 38.7' N 17° 57.1' E	Iso.G. period 2s	30 9	5	Green column on hut; 20.	
10840 <i>E 2216</i>	--Inner end of entrance to canal, on E. side.	40° 38.6' N 17° 57.1' E	F.R.	31 9	6	Red framework structure; 25.	Visible 018°-227°.
10844 <i>E 2214</i>	--Inner end of entrance to canal, on W. side.	40° 38.6' N 17° 57.0' E	F.G.	31 9	6	Green framework structure; 25.	Visible 227°-070°.
10846 <i>E 2202</i>	Monument.	40° 38.6' N 17° 56.8' E	Fl.(4)W. period 20s fl. 0.2s, ec. 2.4s fl. 0.2s, ec. 2.4s fl. 0.2s, ec. 2.4s fl. 0.2s, ec. 12s	92 28	21	On Monument Del Marinaio D'Italia; 98.	Reserve light range 19M.
10848	-Galleggianti, E. pier, head.	40° 38.4' N 17° 56.3' E	F.R.		2		
10852	--W. pier, head.	40° 38.5' N 17° 56.2' E	F.R.		2		
10856 <i>E 2222</i>	Torre Canne.	40° 50.4' N 17° 28.2' E	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	115 35	16	White octagonal masonry tower, dwelling; 104.	Reserve light range 12M.
10860 <i>E 2223</i>	Savellettri.	40° 52.4' N 17° 24.8' E	Fl.G. period 5s fl. 1.5s, ec. 3.5s	26 8	3	White column on hut, black bands; 23.	
10864 <i>E 2223.4</i>	-S. mole, head.	40° 52.3' N 17° 24.7' E	F.R.	26 8	3	White and red banded post; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-EAST COAST							
10868 E 2224	Monopoli, Molo Margherita, head.	40° 57.4' N 17° 18.4' E	Fl.R. period 3s fl. 1s, ec. 2s	48 15	8	Round tower, red and white bands; 49.	
10872 E 2226	-N. mole, head.	40° 57.4' N 17° 18.4' E	Fl.G. period 3s fl. 1s, ec. 2s	43 13	8	Green metal framework tower on hut; 33.	
10876 E 2228	Mola di Bari, breakwater, head.	41° 03.6' N 17° 06.0' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	46 14	7	White metal framework tower, black bands; 33.	
10880 E 2228.5	-E. mole, head.	41° 03.7' N 17° 06.1' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	46 14	8	Red column on pedestal; 20.	
10884 E 2230	Cala Portecchia, outer mole, head.	41° 03.8' N 17° 05.3' E	F.R.	26 8	7	Red post; 20.	
10886 E 2230.4	-N. mole, head.	41° 03.8' N 17° 05.3' E	F.G.	26 8	7	Green post; 20.	
10888 E 2231	Torra Mare (Torre Pelosa).	41° 05.4' N 16° 59.8' E	F.R.	31 9	3	Red post; 26.	F.G. shown from inner breakwater. Private light.
10892 E 2232	-Punta San Cataldo.	41° 08.3' N 16° 50.7' E	Fl.(3)W. period 20s fl. 0.2s, ec. 3.8s fl. 0.2s, ec. 3.8s fl. 0.2s, ec. 11.8s	218 66	24	White octagonal tower, twostory dwelling; 205.	Oc.R. shown about 0.7 km. WSW. Reserve light range 18M.
10896 E 2233	-Nuovo Molo Foraneo, 5th arm, head.	41° 08.8' N 16° 50.9' E	Fl.R. period 3s fl. 1s, ec. 2s	39 12	7	Red metal column; 20.	
	-RACON		K(- • -) period 30s		10		
10900 E 2236	-Nuovo Molo Foraneo, 3rd arm, head.	41° 08.6' N 16° 51.3' E	Fl.R. period 5s fl. 1s, ec. 4s	16 5	4	Red column; 13.	Visible 273°-129°.
10904 E 2241	--Inner spur, head.	41° 08.5' N 16° 52.0' E	Fl.R. period 5s fl. 1s, ec. 4s	23 7	3	Red iron framework tower; 16.	
10908 E 2234	-Molo San Cataldo, head.	41° 08.2' N 16° 50.9' E	Fl.G. period 3s fl. 1s, ec. 2s	36 11	7	Green metal framework tower; 26.	
10916 E 2240	-Molo di Ridosso, head.	41° 08.4' N 16° 52.0' E	Fl.G. period 5s fl. 1s, ec. 4s	26 8	3	Green mast; 20.	
10920 E 2238	-Vecchio Molo Foraneo, head.	41° 08.2' N 16° 51.7' E	F.R.	36 11	3	Red post; 13.	
10924 E 2243	-Molo S. Vito, head.	41° 08.0' N 16° 52.0' E	Fl.Y. period 2s	26 8	3	Red and green striped pole; 20.	
10928 E 2242	-Molo Pizzoli, head.	41° 08.0' N 16° 51.7' E	F.G.	36 11	3	Green post and tower; 16.	
10932 E 2244	-Molo San Antonio.	41° 07.6' N 16° 52.8' E	Fl.G. period 5s fl. 1s, ec. 4s	56 17	9	White round masonry tower, green bands; 46.	Visible 190°-130°.
10936 E 2246	Santo Spirito, entrance, N. side.	41° 10.0' N 16° 45.1' E	2 F.G. (vert.)	33 10 26 8	3	Green post; 26.	Private light.
10940 E 2246.2	-Entrance, S. side.	41° 10.0' N 16° 45.3' E	2 F.R. (vert.)	33 10 26 8	3	Red post; 26.	Private light.
10944 E 2247	Giovinazzo, W. breakwater.	41° 11.4' N 16° 40.4' E	F.G.	26 8	4	Green mast; 20.	Private light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-EAST COAST							
10948 <i>E 2247.3</i>	-E. breakwater.	41° 11.5' N 16° 40.4' E	F.R.	26 8	4	Red mast; 20.	Private light.
10952 <i>E 2248</i>	Molfetta.	41° 12.5' N 16° 35.6' E	Iso.W. period 6s	72 22	16	White octagonal tower on dwelling; 61.	Reserve light range 12M.
10956 <i>E 2252</i>	-Molo Foraneo, head.	41° 12.7' N 16° 35.5' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	39 12	7	Red round tower; 34.	
10960 <i>E 2250</i>	-Detached breakwater, head.	41° 12.8' N 16° 35.6' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	43 13	7	Green column on pedestal; 20.	
10964 <i>E 2254</i>	-Molo Pennello, head.	41° 12.4' N 16° 35.4' E	F.G.	16 5	4	White pillar on round hut, black bands; 10.	
10968 <i>E 2258</i>	Bisceglie, W. mole, head.	41° 14.7' N 16° 30.4' E	Fl.R. period 3s fl. 1s, ec. 2s	33 10	8	Red tower; 20.	Private light.
TRANI:							
10972 <i>E 2261</i>	-Molo San Antonio, 20 meters from head of extension.	41° 16.9' N 16° 25.6' E	F.R.	26 8	3	Red mast; 23.	
10976 <i>E 2260</i>	-Molo San Antonio, head.	41° 16.9' N 16° 25.7' E	Fl.W. period 5s fl. 1s, ec. 4s	31 9	12	Round tower; 16.	
10980 <i>E 2262</i>	-Braccio di San Nicola.	41° 17.2' N 16° 25.9' E	L.Fl.G. period 5s fl. 2s, ec. 3s	36 11	8	Tower; 23.	
BARLETTA:							
10984 <i>E 2264</i>	-Molo di Tramontana.	41° 19.8' N 16° 17.4' E	L.Fl.(2)W. period 12s fl. 2s, ec. 2s fl. 2s, ec. 6s	118 36	17	Octagonal masonry tower, dwelling; 102.	Reserve light range 12M.
10988 <i>E 2266</i>	--At head.	41° 19.8' N 16° 17.5' E	Fl.G. period 4s fl. 1s, ec. 3s	39 12	8	Green column on pedestal; 23.	Visible 160°-080°. F.G. marks head of breakwater 280 meters NNW.
10992	-Church.	41° 19.0' N 16° 16.5' E	F.W.		10	Cupola of church.	
10996 <i>E 2268</i>	-Diga di Levante, head.	41° 20.0' N 16° 17.7' E	Fl.R. period 4s fl. 1s, ec. 3s	39 12	8	Red column on pedestal; 20.	
11000 <i>E 2274.4</i>	Margherita de Savoia, outer mole, head.	41° 23.4' N 16° 08.2' E	Fl.R. period 5s fl. 1s, ec. 4s	26 8	4	Red mast; 20.	Private light.
11004 <i>E 2274.6</i>	-Inner mole, head.	41° 23.3' N 16° 07.9' E	Fl.G. period 5s fl. 1s, ec. 4s	26 8	4	Green mast; 20.	Private light.
11008 <i>E 2275</i>	Foce Aloisa, pier, head.	41° 25.9' N 16° 00.7' E	F.R.	52 16	3	Red column on white hut.	Private light.
11012 <i>E 2276</i>	Manfredonia.	41° 37.7' N 15° 55.4' E	Fl.W. period 5s fl. 0.2s, ec. 4.8s	66 20	23	White hexagonal tower on dwelling; 60.	Reserve light range 18M. May be lost in background lights at 11 miles or less.
11016 <i>E 2277</i>	-Molo di Levante, head.	41° 37.2' N 15° 55.5' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	46 14	7	White round tower, green top, green triangular topmark, point up; 41.	
11020 <i>E 2278</i>	-Molo di Mezzogiorno, head.	41° 37.3' N 15° 55.3' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	36 11	7	White round tower, red top, red square daymark; 33.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-EAST COAST							
11024 E 2281	-Industrial Port, outer mole, head.	41° 36.7' N 15° 57.0' E	Oc.G. period 3s lt. 2s, ec. 1s	33 10	7	Green post; 16.	Private light.
11028 E 2282	--Inner mole, head.	41° 37.0' N 15° 56.9' E	Oc.R. period 3s lt. 2s, ec. 1s	33 10	7	Red post; 16.	Private light.
11032 E 2284	Mattinata, on Punta Agnuli.	41° 42.6' N 16° 04.8' E	F.G.	26 8	3	Green mast; 19.	Private light.
11036 E 2286	Torre Proposti.	41° 46.9' N 16° 11.5' E	Fl.W. period 5s fl. 1s, ec. 4s	203 62	15	Red tower on white house; 72.	Visible 186°-020°.
11040 E 2288	Vieste.	41° 53.3' N 16° 11.1' E	Fl.(3)W. period 15s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 8.8s	131 40	25	Stone tower on two-story dwelling; 89.	Visible 124°-348°. Reserve light range 18m. Radiobeacon.
11044 E 2288.4	-Cala San Lorenzo, head.	41° 53.2' N 16° 10.7' E	2 F.R. (vert.)	23 7	3	Red and white banded pole; 16.	
11052 E 3586	Otok Palagruza (Cr.).	42° 23.5' N 16° 15.6' E	Fl.W. period 17.5s fl. 0.8s, ec. 16.7s	361 110	26	Stone tower on dwelling; 72.	Reserve light range 12M.
11056 E 3588	-Near main light (Cr.).	42° 23.0' N 16° 15.0' E	Iso.R. period 2s	315 96	5	White column; 26.	Visible 264°-304°, over Hridi Gaiola.
11060 E 2300	Isola Pianosa.	42° 13.5' N 15° 44.8' E	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	82 25	10	White tower, 56.	
ISOLE DI TREMITI:							
11064 E 2296	-Isola Caprara.	42° 08.0' N 15° 31.0' E	Fl.W. period 5s fl. 1s, ec. 4s	75 23	8	White metal framework tower; 33.	Visible 110°-020°.
11068 E 2298	-Isola San Nicola, Tremiti, head of mole.	42° 07.1' N 15° 30.1' E	2 F.G. (vert.)	30 9	3	Green column on pedestal; 23.	
11072 E 2297	-Isola San Nicola.	42° 07.4' N 15° 30.6' E	Fl.(4)W. period 15s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 8s	279 85	14	White metal framework tower, red bands; 49.	Reserve light range 7M.
11076 E 2294	-Punta del Diavolo, Isola San Domino, SW. head.	42° 06.4' N 15° 28.6' E	Fl.(3)W. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	157 48	11	White tower on two-story white dwelling; 52.	Visible 300°-175°.
TERMOLI:							
11080 E 2303	-Termoli.	42° 00.1' N 14° 59.8' E	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	135 41	15	White quadripod; 56.	Reserve light range 11M.
11084 E 2304	-Molo Nord, outer head.	42° 00.1' N 15° 00.3' E	Fl.G. period 3s fl. 1s, ec. 2s	36 11	8	Green pillar on pedestal; 33.	
11088 E 2304.2	--Inner head.	42° 00.2' N 15° 00.1' E	2 F.G. (vert.)	26 8 23 7	3	Green column.	Visible 290°-135°.
11092 E 2305	-Molo Sud, head.	42° 00.1' N 15° 00.1' E	Fl.R. period 3s fl. 1s, ec. 2s	30 9	5	Red column on platform.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-EAST COAST							
11100 <i>E 2306</i>	Punta della Penna.	42° 10.2' N 14° 42.9' E	Fl.W. period 5s fl. 0.2s, ec. 4.8s	277 84	25	Octagonal tower on two-story dwelling; 230.	Reserve light range 18M. Radiobeacon.
11104 <i>E 2307</i>	-Porto Vasto, Molo di Levante, head.	42° 10.6' N 14° 42.7' E	Fl.R. period 3s fl. 1s, ec. 2s	29 9	4	Red column; 23.	
11108 <i>E 2307.2</i>	--Spur.	42° 10.4' N 14° 42.6' E	Fl.R. period 6s fl. 1s, ec. 5s	29 9	4	Red column; 20.	Obscured 203°-309°.
11112 <i>E 2307.5</i>	--Molo di Ponente, head.	42° 10.6' N 14° 42.6' E	Fl.G. period 3s fl. 1s, ec. 2s	29 9	7	Green column; 23.	
11120 <i>E 2307.7</i>	---Spur.	42° 10.6' N 14° 42.7' E	Fl.G. period 6s fl. 1s, ec. 5s	29 9	4	Green column; 20.	Obscured 015°-169°.
11124 <i>E 2308</i>	San Vito Chietino, pier, head.	42° 19.0' N 14° 27.0' E	F.R.	26 8	1	Red post; 20.	Private light.
ORTONA:							
11128 <i>E 2312</i>	-Molo Nord.	42° 21.5' N 14° 24.5' E	Fl.(2)W. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	75 23	15	White octagonal tower on yellow dwelling, tower and N. side dwelling in black and white bands; 84.	Reserve light range 11M.
11132 <i>E 2313</i>	--Near head.	42° 21.0' N 14° 25.4' E	Fl.G. period 3s fl. 1s, ec. 2s	30 9	9	Green tower; 16.	
11136 <i>E 2315</i>	-Molo a Martello, E. corner, head.	42° 21.2' N 14° 24.9' E	F.G.	26 8	3	Green column on pedestal; 20.	
11138 <i>E 2315.1</i>	-Mandrachio, head.	42° 21.4' N 14° 24.6' E	F.R.				Private light.
11140 <i>E 2314</i>	-Molo Sud, head.	42° 20.9' N 14° 25.4' E	Fl.R. period 3s fl. 1s, ec. 2s	30 9	9	Red tower; 16.	
11142 <i>E 2315.6</i>	-Tower.	42° 28.0' N 14° 19.1' E	Oc.(2)Y. period 10s lt. 2s, ec. 1s lt. 6s, ec. 1s	66 20	5	On tower.	Nautophone: Mo.(R) ev. 45s.
PESCARA:							
11143 <i>E 2317</i>	-Detached breakwater, W. head.	42° 28.4' N 14° 13.6' E	Fl.(2)R. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 10	5	Red column; 20.	
11143.5 <i>E 2317.2</i>	--E. head.	42° 28.3' N 14° 14.1' E	Fl.(2)G. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 10	5	Green column; 20.	
11145 <i>E 2316</i>	-Marina, breakwater, head.	42° 27.9' N 14° 14.2' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	30 9	4	Green post.	Private light.
11151 <i>E 2319</i>	-Molo di Scirocco.	42° 28.1' N 14° 13.8' E	Fl.R. period 4s fl. 1s, ec. 3s	43 13	8	Red column on platform; 36.	Reserve light F.R., 6 meters. Nautophone: Mo.(K) ev. 48s.
11152 <i>E 2320</i>	-Molo di Maestro.	42° 28.0' N 14° 13.0' E	Fl.G. period 4s fl. 1s, ec. 3s	43 13	8	Green column on platform; 36.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-EAST COAST							
GIULIANOVA:							
11156 <i>E 2324</i>	-Molo Sud, head.	42° 45.3' N 13° 58.9' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	26 8	4	Red column on platform; 23.	
11160 <i>E 2325</i>	--Second elbow.	42° 45.0' N 13° 39.0' E	F.R.		2		
11164 <i>E 2326</i>	-Molo Nord, head.	42° 45.2' N 13° 58.7' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	26 8	4	Green column on platform; 23.	Private.
11168 <i>E 2326.2</i>	--Spur, head.	42° 45.2' N 13° 58.6' E	F.G.		2		
11172 <i>E 2335</i>	Fiume Tronto, S. side.	42° 53.5' N 13° 55.5' E	2 F.R. (vert.)	39 12 34 10	3	Red mast; 26.	
11176 <i>E 2332</i>	San Benedetto del Tronto.	42° 57.1' N 13° 53.2' E	Fl.(2)W. period 10s fl. 0.2s, ec. 2s fl. 0.2s, ec. 7.6s	102 31	22	White round tower on white two-story dwelling; 102.	Obscured 225°-315°. Reserve light range 18M. Radiobeacon.
11180 <i>E 2333</i>	-N. mole, head.	42° 57.2' N 13° 53.2' E	Fl.G. period 3s fl. 1s, ec. 2s	26 8	8	Green column on platform; 23.	
11184 <i>E 2334</i>	-S. mole, head.	42° 57.2' N 13° 53.5' E	Fl.R. period 3s fl. 1s, ec. 2s	26 8	8	Red column on platform; 20.	Nautophone: Mo.(W) ev. 45s.
11188 <i>E 2336</i>	Pedaso , about 1 km. S. of village.	43° 05.2' N 13° 50.7' E	Fl.(3)W. period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	167 51	16	White tower on house; 69.	Reserve light range 12M.
11190 <i>E 2337</i>	Porto San Giorgio, outer mole.	43° 10.2' N 13° 48.8' E	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	26 8	5	Red post; 20.	Nautophone: Mo.(U) ev. 45s. Private light.
11192 <i>E 2337.2</i>	-Inner mole.	43° 10.0' N 13° 48.8' E	Fl.(2)G. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	26 8	5	Green post; 20.	Private light.
11196 <i>E 2339</i>	Porto Civitanova, N. mole, head.	43° 18.8' N 13° 44.1' E	Fl.G. period 5s fl. 1s, ec. 4s	31 9	8	Green tower; 26.	
11200 <i>E 2338</i>	-E. mole, head.	43° 18.9' N 13° 44.1' E	Fl.R. period 5s fl. 1s, ec. 4s	33 10	8	Red metal column; 20.	Nautophone: (at root of mole) Mo.(R) ev. 30s.
11204 <i>E 2338.2</i>	--On spur, extending W. from head.	43° 18.7' N 13° 44.0' E	F.R.	23 7	4	Red post, 16.	
11208 <i>E 2337.6</i>	-Chiesa di Cristo Re.	43° 18.5' N 13° 43.7' E	Mo.(C)W. period 20s fl. 3s, ec. 1s fl. 1s, ec. 1s fl. 3s, ec. 1s fl. 1s, ec. 9s	138 42	11	Church tower; 151.	
ANCONA:							
11214 <i>E 2343</i>	-Scogliera I Travi.	43° 34.8' N 13° 34.6' E	Fl.Y. period 5s		2	SPECIAL Y, beacon tower, topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-EAST COAST							
11216 <i>E 2344</i>	-Colle Cappuccini.	43° 37.3' N 13° 31.0' E	Fl.(4)W. period 30s fl. 0.3s, ec. 4.7s fl. 0.3s, ec. 4.7s fl. 0.3s, ec. 4.7s fl. 0.3s, ec. 14.7s	387 118	25	White and gray banded tower; 49.	Obscured S. of bearing 306°. Obscured 120°-121°30'. Reserve light range 18M. Signal station.
11220 <i>E 2349</i>	-Molo Foraneo Sud, NW. extension, head.	43° 37.3' N 13° 29.7' E	Fl.G. period 4s fl. 1s, ec. 3s	36 11	7	Green tower; 33.	
11224 <i>E 2346</i>	-Molo Foraneo Nord, head.	43° 37.5' N 13° 29.6' E	Fl.R. period 4s fl. 1s, ec. 3s	36 11	8	Red stone tower; 20.	Visible 277°-224°. Nautophone: Mo(M) ev. 45s.
	-RACON		A(• -) period 30s		6		
11228 <i>E 2347</i>	-Molo Nord, spur, W. head.	43° 37.5' N 13° 29.9' E	F.R.	23 7	3	Red mast; 23.	
11232 <i>E 2348</i>	--E. end.	43° 37.4' N 13° 30.0' E	Fl.R. period 3s fl. 1s, ec. 2s	26 8	8	Red column on platform; 23.	
11236 <i>E 2350</i>	-Molo Sud.	43° 37.4' N 13° 29.9' E	Fl.G. period 3s fl. 1s, ec. 2s	36 11	8	Green column on platform; 23.	
11248 <i>E 2352</i>	-Naval shipyard breakwater, W. head.	43° 37.7' N 13° 29.9' E	Q.R.	23 7	4	Red post.	
11252 <i>E 2352.5</i>	--N. angle.	43° 37.8' N 13° 30.2' E	F.R.	23 7	3	Red post.	Private.
FALCONARA MARITTIMA:							
11256 <i>E 7471</i>	-Pipeline terminal "AP 1".	43° 44.6' N 13° 31.3' E	Mo.(U)W. period 15s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 2s, ec. 10s		6	Revolving platform; 23.	Nautophone: Mo.(U) ev. 30s. Private light.
11260 <i>E 7470</i>	-Pipeline terminal.	43° 40.0' N 13° 24.5' E	Fl.Y. period 3s fl. 1s, ec. 2s	98 30	6	Platform; 98.	Nautophone: 2 bl. ev. 45s (bl. 5s, si. 2s, bl. 5s, si. 33s). Private light.
11264 <i>E 2354</i>	-Mole, head.	43° 38.8' N 13° 23.6' E	3 F.Y. (vert.)	33 10 26 8 23 7	2	SPECIAL Y, hut, topmark; 33.	Private light.
SENIGALLIA:							
11268 <i>E 2359</i>	-E. mole, head.	43° 43.3' N 13° 13.4' E	Fl.R. period 3s fl. 1s, ec. 2s	26 8	8	Red column on platform; 23.	Nautophone: Mo.(D) ev. 45s.
11272 <i>E 2360</i>	-W. mole, head.	43° 43.3' N 13° 13.3' E	Fl.G. period 3s fl. 1s, ec. 2s	26 8	8	Green column; 23.	
11276 <i>E 2358</i>	-Molo Di Levante.	43° 43.2' N 13° 13.3' E	L.Fl.(2)W. period 15s fl. 3s, ec. 2s fl. 3s, ec. 7s	57 17	15	White octagonal brick tower, black bands, dwelling; 56.	Reserve light range 11M.
FANO:							
11280 <i>E 2362</i>	-Inner part of channel.	43° 51.0' N 13° 01.0' E	Fl.W. period 5s fl. 1s, ec. 4s	69 21	15	White square tower on two-story dwelling; 66.	Reserve lights Fl.W. 10M, F.W. 10M.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-EAST COAST							
11284 <i>E 2364</i>	-E. mole, head.	43° 51.2' N 13° 01.1' E	Fl.R. period 3s fl. 1s, ec. 2s	29 9	8	Red column on platform; 23.	Nautophone: Mo.(G) ev. 48s.
11288 <i>E 2366</i>	-W. mole, head.	43° 51.2' N 13° 01.0' E	Fl.G. period 3s fl. 1s, ec. 2s	26 8	8	Green column on pedestal; 23.	
11292 <i>E 2368</i>	-Canal entrance, mole, outer head.	43° 51.1' N 13° 01.0' E	2 F.G.R. (vert.)	26 8 23 7	3	Lamppost, red and green bands; 20.	
PESARO:							
11296 <i>E 2372</i>	-Monte di San Bartolo.	43° 55.3' N 12° 53.0' E	Fl.(2)W. period 15s fl. 0.2s, ec. 3.6s fl. 0.2s, ec. 11s	574 175	25	White tower on dwelling; 82.	Obscured S. of bearing 125°. Reserve light range 18M.
11300 <i>E 2374</i>	-45 meters from E. mole, head.	43° 55.6' N 12° 54.6' E	Fl.R. period 5s fl. 1s, ec. 4s	26 8	8	Red column on platform; 23.	Reserve light F.R. Nautophone: Mo.(S) ev. 45s.
11304 <i>E 2376</i>	-20 meters from W. mole, head.	43° 55.5' N 12° 54.5' E	Fl.G. period 5s fl. 1s, ec. 4s	26 8	8	Green column on platform; 23.	Reserve light F.G.
11308 <i>E 2381</i>	Cattolica.	43° 58.2' N 12° 45.0' E	Mo.(O)W. period 14s fl. 2s, ec. 1s fl. 2s, ec. 1s fl. 2s, ec. 6s	56 17	15	White 4-sided structure, black bands; 56.	Reserve light range 11M.
11312 <i>E 2382</i>	-E. mole, head.	43° 58.0' N 12° 45.2' E	Fl.R. period 3s fl. 1s, ec. 2s	23 7	8	Red column on platform; 20.	Reserve light F.R. Nautophone: Mo.(K) ev. 48s.
11316 <i>E 2384</i>	-W. mole, head.	43° 58.2' N 12° 45.1' E	Fl.G. period 3s fl. 1s, ec. 2s	23 7	8	Green column on pedestal; 20.	Reserve light F.G.
11317 <i>E 2388</i>	-Porto Verde, tourist port, head of mole.	43° 58.0' N 12° 44.0' E	Iso.R. period 2s		3		Private light.
11318 <i>E 2388.2</i>	--Mole, head.	43° 58.3' N 12° 43.1' E	Iso.G. period 2s		3		Private light.
11320 <i>E 2390</i>	Riccione, E. mole, head.	44° 00.0' N 12° 39.0' E	Fl.R. period 3s fl. 1s, ec. 2s	33 10	5	Red support.	Nautophone: Mo.(M) ev. 45s. Private light.
11324 <i>E 2394</i>	Rimini.	44° 04.0' N 12° 35.0' E	Fl.(3)W. period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	89 27	15	White square brick tower; 82.	Visible 160°-280°. Reserve light range 11M.
11328 <i>E 2396</i>	-E. mole, head.	44° 04.9' N 12° 34.6' E	Fl.R. period 3s fl. 1s, ec. 2s	23 7	8	Red column on pedestal; 20.	Nautophone: Mo.(W) ev. 48s.
11332 <i>E 2397</i>	-W. mole, head.	44° 04.7' N 12° 34.5' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	23 7	8	Lamppost, black and white bands; 21.	Reserve light F.G.
11336 <i>E 2393</i>	-AVIATION LIGHT.	44° 01.0' N 12° 37.0' E	Al.Fl.W.G.				Occasional. Private light.
CESENATICO:							
11340 <i>E 2404</i>	-Cesenatico.	44° 12.4' N 12° 24.1' E	Fl.(2)W. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	59 18	15	White round tower; 56.	Reserve light range 11M.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-EAST COAST							
11344 <i>E 2405</i>	-E. mole, head.	44° 12.5' N 12° 24.4' E	Fl.R. period 5s fl. 0.1s, ec. 4s	26 8	8	Red column on platform; 20.	Horn: Mo.(R) ev. 45s
11348 <i>E 2406</i>	-W. mole, head.	44° 12.5' N 12° 24.3' E	Fl.G. period 5s fl. 1s, ec. 4s	26 8	8	Green column on platform; 20.	
11352 <i>E 2411</i>	Cervia.	44° 15.9' N 12° 21.2' E	Iso.W. period 2s	54 16	11	Polygonal tower; 52.	Private light.
11356 <i>E 2413</i>	-N. mole, head.	44° 16.2' N 12° 21.5' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	26 8	4	Green column on platform; 26.	Private light.
11360 <i>E 2412</i>	-S. mole, head.	44° 16.1' N 12° 21.2' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	26 8	4	Red column on platform; 26.	Nautophone: Mo.(U) ev. 45s. Private light.
ITALY-NORTHEAST COAST							
PORTO CORSINI (MARINA DI RAVENNA):							
11368 <i>E 7520</i>	-AGIP 1.	44° 28.4' N 12° 21.3' E	Fl.(2)W. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	33 10	8	White mast, red bands; 85.	Nautophone: Mo.(O) ev. 45s. Private light.
11374 <i>E 7522</i>	-AGIP 4.	44° 27.5' N 12° 31.3' E	Mo.(U)W. period 15s		6	White revolving platform, red stripes; 20.	Nautophone: Mo.(U) ev. 30s.
	-RACON		U(• • -) period 120s				
11376 <i>E 2418</i>	- Corsini.	44° 29.5' N 12° 17.1' E	Fl.W. period 5s fl. 0.2s, ec. 4.8s	115 35	20	White octagonal tower on brick dwelling; 108.	Reserve light range 18M. Traffic signals. Current signals.
11380 <i>E 2417.8</i>	-Approach beacon.	44° 30.0' N 12° 20.8' E	Fl.W. period 10s	16 5	6	SAFE WATER RW, articulated beacon, topmark.	Radar reflector.
11384 <i>E 2419</i>	-S. breakwater, head.	44° 29.6' N 12° 18.8' E	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	33 10	8	White metal column; 26.	Intensified 080°-089°. Nautophone: Mo.(O) ev. 48s (bl. 4s, si. 2s, bl. 4s, si. 2s, bl. 4s, si. 32s).
11388 <i>E 2420</i>	-N. breakwater, head.	44° 29.8' N 12° 18.8' E	Fl.(2)G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	33 10	8	Green metal column; 26.	
11392 <i>E 2421</i>	-S. mole, head.	44° 29.5' N 12° 17.5' E	Fl.R. period 4s fl. 1.5s, ec. 2.5s	24 7	8	Red column on pedestal; 20.	Intensified 074°-083°. Nautophone: Mo.(H) ev. 45s (bl. 2s, si. 2s, bl. 2s, si. 2s, bl. 2s, si. 2s, bl. 2s, si. 31s).
11396 <i>E 2422</i>	-N. mole, head.	44° 29.6' N 12° 17.4' E	Fl.G. period 4s fl. 1.5s, ec. 2.5s	24 7	8	Green column on pedestal; 20.	
PORTO GARIBALDI:							
11400 <i>E 2426</i>	- Molo Nord , near root.	44° 40.5' N 12° 14.8' E	Fl.(4)W. period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	46 14	15	White round tower, on two-story dwelling; 39.	Reserve light range 11M.
11404 <i>E 2428</i>	--Near head.	44° 40.6' N 12° 15.0' E	Fl.G. period 5s fl. 1s, ec. 4s	30 9	8	Green column on pedestal; 23.	Nautophone: Mo.(G) ev. 48s (bl. 4s, si. 2s, bl. 4s, si. 2s, bl. 2s, si. 34s).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-NORTHEAST COAST							
11408 E 2430	-Molo Sud, head.	44° 40.5' N 12° 15.0' E	Fl.R. period 5s fl. 1s, ec. 4s	30 9	8	Red column on pedestal; 23.	
11420 E 2433	--Entrance, E. side.	44° 50.6' N 12° 18.3' E	Fl.G. period 3s fl. 1s, ec. 2s	26 8	6	Green post.	Nautophone: Mo.(K) ev. 45s (bl. 4s, si. 2s, bl. 2s, si. 2s, bl. 4s, si. 31s). Private light.
11424 E 2432	-Porto di Goro.	44° 47.0' N 12° 14.0' E	Fl.R. period 3s fl. 1s, ec. 2s	26 8	6	Red post.	Private light.
11428 E 2434	-Po di Goro.	44° 47.4' N 12° 23.9' E	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	72 22	17	White tower; 80.	Reserve light range 13M.
11436 E 2440	-Punta della Maestra.	44° 58.1' N 12° 31.8' E	Fl.(3)W. period 20s fl. 0.2s, ec. 3.8s fl. 0.2s, ec. 3.8s fl. 0.2s, ec. 11.8s	154 47	25	White round tower; 148.	Aeromarine light. Reserve light range 18M.
	-RACON		P(• - - •) period 30s		6		
11438 E 2441	-Beacon, 2.5 miles ESE of Punta della Maestra.	44° 57.8' N 12° 35.2' E	Q.(3)W. period 10s	13 4	6	E. CARDINAL BYB, articulated beacon, topmark.	Radar reflector.
11448 E 2443	-Porto Levante, NW. of entrance range.	45° 04.1' N 12° 20.7' E	L.Fl.W. period 6s fl. 2s, ec. 4s	180 55	15	Water tower; 171.	Visible 200°-290°. Reserve light range 12M.
11449 E 2443.3	--E. of Porto Levante.	45° 04.6' N 12° 23.4' E	Iso.Y. period 2s	16 5	6	SPECIAL Y, articulated beacon, topmark.	Private light.
11451 E 2444.7	--Off shore, E.	45° 05.2' N 12° 35.5' E	Fl.(5)Y. period 20s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 11s	20 6	5	SPECIAL Y, beacon.	
CHIOGGIA:							
11452 E 2450	-Forte San Felice.	45° 13.8' N 12° 17.9' E	L.Fl.(2)W. period 10s fl. 2s, ec. 2s fl. 2s, ec. 4s	66 20	15	White tower; 59.	Reserve light range 11M.
11456 E 2451	--120 meters NNW. on NW. extremity of fort.	43° 13.8' N 12° 17.4' E	Fl.(2)R. period 7s fl. 1s, ec. 1s fl. 1s, ec. 4s	19 6	8	Red pedestal; 13.	Nautophone: Mo.(N) ev. 30s.
11460 E 2452	-N. breakwater, head.	45° 14.0' N 12° 18.9' E	Fl.G. period 3s fl. 1s, ec. 2s	36 11	8	Green column on pedestal; 26.	Visible 342°-302°. Nautophone: Mo.(K) ev. 45s.
			F.G.	20 6	6		Visible 302°-342°.
	-RACON		K(- • -) period 30s		6		
11464 E 2453	-S. breakwater, head.	45° 13.7' N 12° 18.8' E	Fl.(2)R. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	36 11	8	Red column on pedestal; 26.	Visible 313°-257°.
			F.R.	20 6	6		Visible 257°-313°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-NORTHEAST COAST							
11468 <i>E 2456</i>	-N. breakwater, root.	45° 14.0' N 12° 17.0' E	Fl.(2)G. period 7s fl. 1s, ec. 1s fl. 1s, ec. 4s	31 9	8	Green column on pedestal; 23.	
11476 <i>E 2458</i>	-Canale San Domenico.	45° 13.4' N 12° 17.1' E	F.R.	30 9	3	Red pedestal; 26.	
11480 <i>E 2462</i>	Oceanographic platform.	45° 18.8' N 12° 30.8' E	Mo.(U)W. period 15s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 2s, ec. 10s		8	Platform.	Nauphone: Mo.(U) 30s. (bl. 1s, si. 2s, bl. 1s, si. 2s, bl. 2s, si. 22s).
			F.R.		3		
11484 <i>E 2465</i>	Malamocco Approach Beacon.	45° 19.4' N 12° 23.1' E	Fl.W. period 10s fl. 1s, ec. 9s	23 7	6	SAFE WATER RW, articulated beacon, topmark.	Channel marked by articulated beacons. Radar reflector.
11488 <i>E 2464</i>	-Rochetta.	45° 20.3' N 12° 18.7' E	Fl.(3)W. period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	82 25	16	White tower, black stripe.	Reserve light range 11M.
11490 <i>E 2463</i>	-Fort Rocchetta. pilot tower.	45° 20.4' N 12° 18.7' E	Dir.F.W.R.G.	98 30	6	White tower; 115.	G. 285°-287°, W.-288°, R.- 290°, obsc.-285°.
11492 <i>E 2464.4</i>	-Beacon.	45° 20.3' N 12° 18.8' E	Fl.(3)G. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	20 6	7	Green beacon on pedestal.	Nauphone: Mo.(D) ev. 45s (bl. 4s, si. 2s, bl. 2s, si. 2s, bl. 2s, si. 33s).
11496 <i>E 2467</i>	-S. mole, head.	45° 19.8' N 12° 20.4' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	52 16	8	Red round tower; 46.	Visible 060°-290°.
			F.R.	20 6	6		Visible 290°-060°.
11500 <i>E 2466</i>	-N. mole, head.	45° 20.0' N 12° 20.7' E	Fl.G. period 5s fl. 1s, ec. 4s	59 18	8	White tower, black stripes, on dwelling; 62.	Nauphone: Mo.(U) ev. 45s (bl. 4s, si. 2s, bl. 4s, si. 35s).
	-RACON		M(- -) period 30s		6		
11504 <i>E 2468</i>	Palata delle Ceppe, entrance, S. side.	45° 20.1' N 12° 19.1' E	Fl.(3)R. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	36 11	5	Red iron framework structure, concrete base; 33.	
PORTO DI LIDO:							
11508 <i>E 2481</i>	-Approach Beacon.	45° 23.9' N 12° 28.8' E	Fl.W. period 10s fl. 1s, ec. 9s	23 7	6	SAFE WATER RW, articulated beacon.	Fl.G. 2s and Fl.R. 2s articulated beacons mark entrance to approach channel. Radar reflector.
11516 <i>E 2480</i>	-N. breakwater, head.	45° 25.3' N 12° 26.2' E	L.Fl.(2)W. period 12s fl. 2s, ec. 2s fl. 2s, ec. 6s	85 26	15	White and black checkered pagoda-like structure, two balconies; 82.	Reserve light range 11M. Nauphone: Mo.(N) ev. 45s (bl. 4s, si. 2s, bl. 2s, si. 37s).
			Fl.(2)G. period 8s fl. 1.5s, ec. 1s fl. 1.5s, ec. 4s	46 14	7	Balcony of same structure.	
	-RACON		V(••• -) period 30s		6		(3 & 10cm)

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-NORTHEAST COAST							
11520 <i>E 2484</i>	-S. breakwater, head.	45° 25.1' N 12° 25.6' E	Fl.(2)R. period 8s fl. 1.5s, ec. 1s fl. 1.5s, ec. 4s	46 14	8	Octagonal tower, red bands; 46.	
11524 <i>E 2486</i>	-Entrance Range, front, at inner bend of channel.	45° 26.3' N 12° 23.4' E	Fl.W. period 3s fl. 1s, ec. 2s	43 13	11	White metal framework tower, black bands, on concrete base; 33.	
11528 <i>E 2486.1</i>	--Isola de Murano, rear, 3,164 meters 300°40' from front.	45° 27.2' N 12° 21.3' E	Oc.W. period 6s lt. 4s, ec. 2s	121 37	17	White round stone tower black and white band; 115.	Reserve light range 11M. Aeromarine light.
			Dir.Oc.W. period 6s		21		Visible 30' on either side of range line. Reserve light range 11M.
11530 <i>E 2488.4</i>	-1st Port Articulated Beacon.	45° 25.4' N 12° 25.4' E	Fl.R. period 2s fl. 0.5s, ec. 1.5s	20 6	5	PORT (A) R, articulated beacon.	Radar reflector.
11531 <i>E 2488.5</i>	-1st Starboard Articulated beacon.	45° 25.5' N 12° 25.5' E	Fl.G. period 2s fl. 0.5s, ec. 1.5s	20 6	5	STARBOARD (A) G, articulated beacon.	Radar reflector.
11532 <i>E 2485</i>	-Beacon, 1.5 km. 315° from S. breakwater.	45° 25.6' N 12° 25.0' E	Fl.R. period 2s fl. 0.5s, ec. 1.5s	20 6	5	Red column on platform.	
11534 <i>E 2488.7</i>	-2nd Port Articulated Beacon.	45° 25.8' N 12° 24.3' E	Fl.R. period 2s fl. 0.5s, ec. 1.5s	20 6	5	PORT (A) R, articulated beacon.	Radar reflector.
11535 <i>E 2488.8</i>	-2nd Starboard Articulated Beacon.	45° 25.9' N 12° 24.4' E	Fl.G. period 2s fl. 0.5s, ec. 1.5s	20 6	5	STARBOARD (A) G, articulated beacon.	Radar reflector.
11536 <i>E 2488</i>	--Beacon, 375 meters 080° from new semaphore station.	45° 26.0' N 12° 23.6' E	Fl.R. period 4s fl. 1s, ec. 3s	20 6	5	Concrete beacon, white and red stripes; 16.	
11540 <i>E 2490</i>	--Channel, N. side.	45° 26.2' N 12° 23.2' E	Fl.G. period 4s fl. 1s, ec. 3s	20 6	5	Green hut on platform.	
11544 <i>E 2489</i>	---S. side.	45° 26.0' N 12° 23.2' E	Fl.R. period 4s fl. 1s, ec. 3s	20 6	5	Red hut on platform.	
11545 <i>E 2490.8</i>	-Articulated beacon.	45° 25.5' N 12° 22.5' E	Fl.(3)Y. period 9s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 5.5s	20 6	5	SPECIAL Y, articulated beacon, topmark.	Radar reflector.
11546 <i>E 2491</i>	--Articulated beacon.	45° 25.4' N 12° 22.2' E	Fl.G. period 5s fl. 1s, ec. 4s	20 6	5	STARBOARD (A) G, articulated beacon.	Radar reflector.
-Canale di San Marco:							
11548 <i>E 2492</i>	--S. side of channel, 873 meters 006° from San Lazzaro Church.	45° 25.2' N 12° 21.8' E	Fl.(2)R. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	23 7	5	Red hut; 26.	
11556 <i>E 2504</i>	Porto di Piave Vecchia.	45° 28.7' N 12° 35.0' E	Fl.(4)W. period 24s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 14.8s	147 45	18	Round tower, black and white bands; 157.	Reserve light range 18M.
11557 <i>E 2504.2</i>	-Fiume Sile.	45° 28.7' N 12° 35.1' E	Fl.(2)G. period 6s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 3.7s	16 5	4	Green pile.	Private. Fl.(2)R. 6s shown nearby.
11558 <i>E 2505.1</i>	Porto di Cortellazzo, Fiume Piave, W. side.	45° 31.8' N 12° 43.4' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	23 7	4	Red post, 16.	Private light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-NORTHEAST COAST							
11560 <i>E 2506</i>	Porto di Santa Margherita, W. jetty, head.	45° 35.1' N 12° 52.0' E	Fl.R. period 3s fl. 1s, ec. 2s		5	Red post; 20.	Private light.
11564 <i>E 2506.4</i>	-E. jetty, head.	45° 35.2' N 12° 52.1' E	Fl.G. period 3s fl. 1s, ec. 2s		5	Green post; 20.	Private light.
11568 <i>E 2508</i>	Caorle, church of Madonna degli Angeli.	45° 36.0' N 12° 53.7' E	Fl.(2)W. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	39 12	14	Tower of church; 30.	Reserve light range 10M.
11572 <i>E 2518</i>	Punta Tagliamento.	45° 38.2' N 13° 05.9' E	Fl.(3)W. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	72 22	15	White round tower on dwelling; 69.	2 F.R. (vert.) shown from pier head 4 kilometers N. Reserve light range 11M.
11574 <i>E 2519.5</i>	Lignano Sabbiadoro, approach.	45° 39.7' N 13° 09.7' E	Fl.W. period 2s	20 6	6	SAFE WATER RW, articulated beacon, topmark.	Private light.
11576 <i>E 2521</i>	Porto Lignano, pier, head.	45° 41.8' N 13° 09.2' E	Fl.R. period 2s fl. 0.5s, ec. 1.5s	23 7	8	Red hut; 20.	Visible 152°-330°. F.W. fishing light shown about 9 km. N. on Marano bridge.
11580 <i>E 2520</i>	-Beacon, about 0.5 km. 092° from pier.	45° 41.9' N 13° 09.6' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	18 5	4	Green column; 10.	Visible 343°-142°.
11584 <i>E 2520.4</i>	-Lignano Sabbiadoro, port.	45° 42.2' N 13° 08.9' E	Fl.(2)R. period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6s	33 10	4	Red post.	Visible 325°-235°. Private light.
11588 <i>E 2520.5</i>	-Starboard.	45° 42.2' N 13° 08.7' E	Fl.(2)G. period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6s	33 10	4	Green post.	Visible 200°-068°. Private light.
PORTO BUSO:							
11592 <i>E 2524</i>	-Fiume Aussa, entrance, E. side.	45° 42.8' N 13° 15.2' E	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 8	4	Green structure; 21.	
11596 <i>E 2524.7</i>	-E. breakwater, head.	45° 42.3' N 13° 15.4' E	Fl.G. period 5s fl. 1s, ec. 4s	16 5	4	Green post; 7.	
11600 <i>E 2524.5</i>	-W. breakwater, head.	45° 42.3' N 13° 15.0' E	Fl.R. period 5s fl. 1s, ec. 4s	16 5	4	Red post; 7.	
11604 <i>E 2524.3</i>	-About 750 meters NNW. of E. entrance.	45° 43.1' N 13° 15.0' E	Fl.W.G. period 2s fl. 0.5s, ec. 1.5s	16 5	W. G. 4 2	Green hut on dolphin; 16.	G. shore-346°, W.-351°, G.-shore.
PORTO DI GRADO:							
11608 <i>E 2525.7</i>	-Articulated beacon.	45° 39.6' N 13° 20.8' E	Fl.W. period 10s fl. 1s, ec. 9s	16 5	6	SAFE WATER RW, topmark.	Radar reflector.
11612 <i>E 2526</i>	-Canale di Grado, entrance, S. side.	45° 40.8' N 13° 22.2' E	Fl.W.R. period 3s fl. 1s, ec. 2s	16 5	W. R. 7 5	Red lantern on dolphin; 16.	R. 193°-031°, W.-036°. Nautophone: (at head of E. dike) Mo.(K) ev. 45s (bl. 4s, si. 2s, bl. 2s, si. 2s, bl. 4s, si. 31s).
11616 <i>E 2528</i>	-Junction of Canale di San Pietro d'Orio and Grado.	45° 41.0' N 13° 22.4' E	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	16 5	4	Red post on dolphin; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-NORTHEAST COAST							
11620 <i>E 2530</i>	-Canale di Grado, S. side.	45° 41.0' N 13° 22.6' E	FL.G. period 3s fl. 1s, ec. 2s	16 5	3	Green post on dolphin; 16.	Obscured 266°-048°.
11624 <i>E 2534</i>	-Head of pier, close W. of entrance to Canale della Darsena.	45° 40.9' N 13° 23.1' E	F.R.	23 7	3	Red mast; 16.	
11628 <i>E 2536</i>	-Canale di Belvedere, E. side.	45° 41.0' N 13° 23.2' E	F.G.	23 7	3	Green column; 16.	
11630 <i>E 2537.5</i>	End of pipeline.	45° 40.2' N 13° 23.8' E	FL.Y. period 3s fl. 0.3s, ec. 2.7s	20 6	4	Post.	Private light. Radar reflector.
11632 <i>E 2538</i>	Branco Molo di Muggia, beacon, near bank, S. head.	45° 39.3' N 13° 26.4' E	Q.(6)+L.FI.W. period 15s	23 7	6	S. CARDINAL YB, topmark.	Radar reflector.
11634 <i>E 2540</i>	Punta Sdobba, shoal.	45° 43.3' N 13° 34.2' E	FL.R. period 5s fl. 1s, ec. 4s	23 7	4	White truncated conical tower and gallery, red bands; 23.	
11635 <i>E 2543</i>	-Articulated beacon.	45° 44.9' N 13° 35.6' E	FI.W. period 10s fl. 1s, ec. 9s	16 5	6	SAFE WATER RW, topmark.	Radar reflector.
11636 <i>E 2544</i>	-Channel, W. side.	45° 45.2' N 13° 35.0' E	FL.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	20 6	4	Red beacon; 20.	W. side of channel marked by 2 lights FI.R. 5s 5M, FI.(2)R. 10s 5M. Radar reflector.
11640 <i>E 2545</i>	--E. side.	45° 45.3' N 13° 35.3' E	FI.(2)G. period 6s	20 6	4	Green beacon; 20.	E. side of channel marked by 2 lights FI.G. 5s 5M, FI.(2)G. 10s 5M. Radar reflector.
11644 <i>E 2548</i>	Duino, mole, head.	45° 46.3' N 13° 36.0' E	F.G.	23 7	3	Green column; 20.	Private light.
11648 <i>E 2547</i>	-Canale San Giovanni, about 0.5 mile NW. of Duino.	45° 46.5' N 13° 35.4' E	FI.(2)G. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	16 5	4	Green column; 7.	
11652 <i>E 2550</i>	Sistiana, head of W. breakwater.	45° 46.0' N 13° 37.7' E	F.R.	26 8	3	Red post; 23.	Safety distance 15m. Private light.
11656 <i>E 2551</i>	-E. breakwater, head.	45° 46.0' N 13° 38.0' E	F.G.	24 7	3	Green post; 23.	F.G. 3M marks head of mole 2.4 miles SE. Safety distance 15m. Private light.
11660 <i>E 2553</i>	Santa Croce di Trieste, boat basin mole, head.	45° 43.5' N 13° 41.4' E	F.G.	24 7	3	Green column; 16.	Private light.
11664 <i>E 2554</i>	Valle Grignano, pier, head.	45° 42.4' N 13° 42.8' E	F.G.	20 6	3	Red column; 16.	Visible 127°-307°. Private light.
11668 <i>E 2555</i>	Cedas breakwater, head.	45° 41.6' N 13° 44.3' E	F.G.	20 6	4	Lamppost on green pedestal; 16.	Private light.
11670 <i>E 2556</i>	Barcola.	45° 41.0' N 13° 45.0' E	F.G.	26 8	4	Green post; 23.	Private light.
PORTO DI TRIESTE:							
11676 <i>E 2558</i>	-Vittoria.	45° 40.5' N 13° 45.5' E	FI.(2)W. period 10s fl. 0.2s, ec. 1.8s fl. 0.2s, ec. 7.8s	378 115	22	White round stone tower surmounted by a bronze figure; 223.	Reserve light range 18M. Signal station.
-Porto Franco Vecchio:							
11680 <i>E 2560</i>	--Detached breakwater, S. head.	45° 39.3' N 13° 45.8' E	FL.R. period 3s fl. 1s, ec. 2s	23 7	6	Column on red hut; 23.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-NORTHEAST COAST							
11684 <i>E 2561</i>	--Spur, head.	45° 39.7' N 13° 45.5' E	F.G.	23 7	3	Column on green hut; 16.	Obscured 040°-130°.
11688 <i>E 2562</i>	--Detached breakwater, N. head.	45° 39.8' N 13° 45.5' E	Fl.G. period 3s	26 8	8	Green hut; 7.	
11692 <i>E 2569</i>	--Angle of Molo Fratelli Bandiera.	45° 39.0' N 13° 45.2' E	Fl.G. period 5s fl. 1s, ec. 4s	23 7	3	Green column; 18.	
11696 <i>E 2568</i>	--Molo Fratelli Bandiera Breakwater, head.	45° 38.9' N 13° 45.1' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	23 7	5	White column; 13.	
11700 <i>E 2565</i>	--Breakwater, E. head.	45° 39.0' N 13° 45.6' E	F.G.	23 7	4	Green mast; 16.	
11706 <i>E 2557</i>	--Outfall.	45° 38.7' N 13° 40.9' E	Fl.Y. period 3s fl. 0.5s, ec. 2.5s	16 5	5	SPECIAL Y, articulated beacon.	Private light. Radar reflector.
-Emanuele Filiberto Duca d'Acosta Basin:							
11708 <i>E 2576</i>	--N. detached breakwater, N. head.	45° 38.5' N 13° 44.4' E	Fl.(2)G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	26 8	5	Green column on pedestal; 23.	
11712 <i>E 2578</i>	---S. head.	45° 38.3' N 13° 44.4' E	Fl.R. period 3s fl. 1s, ec. 2s	20 6	8	White column on red hut; 16.	
--RACON			TS(- • • •) period 30s		6		
11716 <i>E 2588</i>	--Mole No. "5", NW. corner.	45° 38.4' N 13° 44.6' E	F.G.	23 7	4	Green post; 16.	
11717 <i>E 2588.2</i>	--SW. corner.	45° 38.4' N 13° 44.7' E	F.R.	23 7	4	Red post; 16.	
11724 <i>E 2580</i>	--Middle detached breakwater, N. head.	45° 38.2' N 13° 44.3' E	Fl.G. period 3s fl. 1s, ec. 2s	31 9	5	Green framework tower on pedestal; 23.	
11728 <i>E 2582</i>	--Middle detached breakwater, S. head.	45° 37.9' N 13° 44.4' E	Iso.R. period 2s	31 9	5	Red framework tower on pedestal; 23.	Visible 198°-148°.
11732 <i>E 2586</i>	-Diga Luigi Rizzo, N. head.	45° 37.8' N 13° 44.2' E	Iso.G. period 2s	21 6	5	Green column; 16.	Visible 018°-328°.
11736 <i>E 2587</i>	--S. head.	45° 37.0' N 13° 44.4' E	Fl.(3)R. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	30 9	5	Red metal framework tower on pedestal; 23.	
11744 <i>E 2592</i>	-Molo dei Legnami.	45° 37.7' N 13° 46.5' E	F.G.	26 8	3	Green post; 16.	
11748 <i>E 2593</i>	-Servola, Banchina Italsider, NW. corner.	45° 37.2' N 13° 46.6' E	2 F.R. (vert.)	26 8	3	Red mast; 16.	Private light.
SAN SABBA:							
11752	-Approach Bell Buoy.	45° 37.0' N 13° 43.0' E	Fl.W. period 2s fl. 0.5s, ec. 1.5s	7 2	5	SAFE WATER RW, pillar, topmark.	Marks SW. limit of tanker anchorage. Bell. Private light. Radar reflector.
11756 <i>E 2601</i>	-Trieste-Ingolstadt pipeline terminal, San Sabba, W. mole, head.	45° 36.7' N 13° 47.0' E	2 F.R. (vert.)	26 8 20 6	4	Red mast; 10.	Private light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ITALY-NORTHEAST COAST							
11760 <i>E 2598</i>	--Finger Pier "I", head.	45° 36.6' N 13° 46.6' E	2 F.R.G. (vert.)	26 8 23 7	4	Red mast, green bands; 16.	Private light.
11764 <i>E 2597</i>	--Finger Pier "II", head.	45° 36.7' N 13° 46.4' E	2 F.G.R. (vert.)	26 8 23 7	4	Red mast, green bands; 16.	Private light.
11768 <i>E 2597.2</i>	--Finger Pier "II", root.	45° 36.8' N 13° 46.7' E	F.G.	20 6	4	Green post; 10.	Visible 298°-118°. Private light.
11772 <i>E 2601.4</i>	--Head of pier about 220 yards ESE. of San Sabba Mole.	45° 36.6' N 13° 47.2' E	2 F.G. (vert.)	26 8 20 6	3	Green mast; 20.	
BAIA DI MUGGIA:							
11776 <i>E 2603</i>	-Porto Industriale Entrance Range, front.	45° 36.7' N 13° 48.8' E	F.R.	34 10	10	Aluminum mast; 30.	Visible 5°30' on each side of range line.
11780 <i>E 2603.1</i>	--Rear, 150 meters 063°47' from front.	45° 36.8' N 13° 48.9' E	F.R.	43 13	10	Aluminum mast; 39.	Visible 5°30' on each side of range line.
11784 <i>E 2602.2</i>	-Petroli Aquila Pier, head.	45° 36.3' N 13° 47.6' E	F.R.	20 6	3	Red mast; 13.	Private light.
11788 <i>E 2602</i>	--E. arm, head.	45° 36.3' N 13° 47.6' E	F.G.	21 6	3	Green mast; 13.	Private light.
11792 <i>E 2595</i>	-Muggia, E. mole, head.	45° 36.4' N 13° 45.9' E	F.R.	23 7	3	Red column; 16.	Private light.
11796 <i>E 2596</i>	--W. mole, head.	45° 36.4' N 13° 46.0' E	F.G.	23 7	3	Green column; 16	Private light.
11800 <i>E 2604</i>	-Zaule, pier.	45° 36.5' N 13° 48.2' E	2 F.G. (vert.)	20 6 20 6	3	Green mast; 16.	Private light.
11808 <i>E 2605</i>	-Jetty, head.	45° 35.7' N 13° 43.4' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	21 6	3	Red column; 16.	Private light.
SLOVENIA							
KOPERSKI ZALIV:							
11812 <i>E 2607</i>	-Plicinia Debeli, 0.5 km. W. of Rt Debeli.	45° 35.5' N 13° 42.0' E	Q.(9)W. period 15s	26 8	8	W. CARDINAL YBY, tower, topmark; 16.	
-Koper:							
11828 <i>E 2612.2</i>	--Old port, N. mole, head.	45° 33.0' N 13° 43.4' E	Fl.(2)R. period 10s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 6.5s	22 7	4	Red metal tower; 19.	Fl.R. 5s 7m 3M and Fl.(2)G. 5s 7m 3M shown from port 0.2 mile NE.
11832 <i>E 2612</i>	---S. mole, head.	45° 32.9' N 13° 43.4' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	23 7	4	Green structure.	
11834 <i>E 2608</i>	-Valdoltra wharf.	45° 34.8' N 13° 43.5' E	Fl.(2)R. period 6s	16 5	4	Red tower; 13.	
-Izola:							
11836 <i>E 2618</i>	--Rt Petelin.	45° 32.5' N 13° 39.4' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	23 7	6	White iron support with ladder; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SLOVENIA							
11840 <i>E 2620</i>	--N. mole, head.	45° 32.3' N 13° 39.3' E	Fl.R. period 3s fl. 1s, ec. 2s	20 6	3	White round tower; 17.	Unreliable during NE. gales.
11844 <i>E 2622</i>	--S. mole, head.	45° 32.2' N 13° 39.2' E	Fl.(2)R. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	20 6	3	Red tower; 17.	
PIRANSKI ZALIV:							
-Piran:							
11848 <i>E 2624</i>	-- Rt Madona , bay, N. entrance.	45° 31.7' N 13° 33.8' E	Iso.W. period 4s	33 10	15	Gray octagonal tower on hut; 30.	Visible 351°-253°.
11852 <i>E 2630</i>	--Head of transverse mole, S. side of entrance.	45° 31.5' N 13° 34.0' E	Fl.G. period 3s	23 7	4	Brick tower; 23.	
11856 <i>E 2628</i>	--Entrance, N. side, mole, head.	45° 31.5' N 13° 34.0' E	Fl.R. period 3s	23 7	3	Red round tower with mast and gallery; 20.	
-Uvala Portoroz:							
11860 <i>E 2632</i>	--Rt Sveti Bernard, mole, head.	45° 30.9' N 13° 34.4' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	30 9	3	Red conical metal tower; 26.	
11864 <i>E 2634</i>	--Mole, head.	45° 30.7' N 13° 35.3' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	20 6	6	White iron lamppost with ladder; 16.	

Section 9

Croatia

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
11868 <i>E 2642</i>	Rt Savudrija.	45° 29.4' N 13° 29.4' E	Fl.(3)W. period 15s fl. 0.5s, ec. 3.2s fl. 0.5s, ec. 3.3s fl. 0.5s, ec. 7s	118 36	30	White round masonry tower, gray cupola; 95.	Reserve light range 12M. Siren: 2 bl. ev. 42s.
11869 <i>E 2642.5</i>	-Plac Zanestra.	45° 28.4' N 13° 29.9' E	Q.(9)W. period 15s	23 7	3	W. CARDINAL YBY, beacon, topmark; 20.	
11870 <i>E 2643</i>	Stara Savudrija.	45° 30.2' N 13° 30.0' E	Fl.(2)R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	23 7	4	White tower; 16.	Visible 090°-163°, 264°-304°.
LUKA UMAG:							
11872 <i>E 2644</i>	-Plicina Paklena, shoal, W. edge.	45° 26.5' N 13° 30.3' E	Fl.(2)W.R. period 8s fl. 0.5s, ec. 2s fl. 0.5s, ec. 5s	33 10	W. 8 R. 6	Red round metal tower, stone base; 19.	W. 347°-165°, R.-347°.
11876 <i>E 2646</i>	-Mole, head.	45° 26.2' N 13° 30.9' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	29 9	4	Green round iron tower with pillar and balcony; 21.	Visible 000°-315°.
11880 <i>E 2648</i>	-Inner mole, head.	45° 25.9' N 13° 31.2' E	Fl.W. period 3s	26 8	4	White rectangular iron tower with pillar and balcony; 23.	Visible 136°-006°.
11884 <i>E 2649</i>	-Mole, head.	45° 25.4' N 13° 30.9' E	Fl.(2)G. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	23 7	3	Iron tower; 16.	Visible 056°-318°.
11888 <i>E 2652</i>	Dajla, mole, head.	45° 21.6' N 13° 33.2' E	F.R.	23 7	1	Red column; 20.	
LUKA NOVIGRAD:							
11892 <i>E 2654</i>	-Breakwater, head.	45° 19.1' N 13° 33.5' E	L.Fl.W.R.G. period 5s fl. 2s, ec. 3s	23 7	W. 8 R. 5 G. 6	White octagonal tower.	G. 117°-003°, W.-025°, R.-058°, W.-117°.
11896 <i>E 2655</i>	-Mole, head.	45° 19.2' N 13° 33.7' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	23 7	3	White iron tower; 19.	
11900 <i>E 2656</i>	-Boat harbor, mole, head.	45° 19.1' N 13° 33.8' E	F.G.	17 5	3	Black iron lamppost; 15.	
11904 <i>E 2658</i>	Rt.	45° 17.9' N 13° 34.2' E	Fl.(3)W.R. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 4.5s	36 11	W. 9 R. 6	Window of keeper's dwelling; 22.	R. 325°-018°, W.-325°.
11905 <i>E 2660</i>	Plicina Civran, NW. side.	45° 16.9' N 13° 34.3' E	Q.W.	23 7	5	N. CARDINAL BY, beacon, topmark; 20.	
11906 <i>E 2660.2</i>	-SW. side.	45° 16.5' N 13° 34.0' E	Q.(9)W. period 15s	23 7	5	W. CARDINAL YBY, beacon, topmark; 20.	
POREC:							
11908 <i>E 2662</i>	-Hrid Barbaran, N. of entrance.	45° 13.7' N 13° 35.1' E	Fl.W.R. period 5s fl. 0.5s, ec. 4.5s	30 9	W. 8 R. 5	Red iron tower with pillar and balcony; 23.	R. 011°-062°, W.-153°, R.-308°, W. elsewhere.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
11912 <i>E 2663</i>	-N. point of Otocic Sv. Nikola, mole, head.	45° 13.7' N 13° 35.1' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	23 7	5	White round concrete tower with green cupola; 20.	Visible 074°-023°.
11914	-Athletic field, SW. head.	45° 13.7' N 13° 35.4' E	Fl.(2)R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	20 6	4	Red tower; 16.	Visible 314°-130°.
11920 <i>E 2665</i>	-Mole, head.	45° 13.6' N 13° 35.5' E	Fl.W. period 2s fl. 0.5s, ec. 1.5s	20 6	4	White tower, column and gallery; 16.	
11924 <i>E 2670</i>	Crlenazemja, mole, head.	45° 10.6' N 13° 36.0' E	F.R.	16 5	3	Red pillar.	
11925 <i>E 2670.2</i>	-Funtana Marina.	45° 10.7' N 13° 35.6' E	Fl.(2)G. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	20 6	4	Green tower on platform; 16.	Visible 100°-122°, obsc.-147°, vis.-068°, obsc.-100°.
11926 <i>E 2669</i>	--NW.	45° 11.4' N 13° 34.4' E	Q.(9)W. period 15s	23 7	5	W. CARDINAL YBY, beacon, topmark.	
11928 <i>E 2668</i>	Otocic Visoki (Altijez), on summit of islet.	45° 11.9' N 13° 34.1' E	Fl.(3)W. period 10s	29 9	8	White iron structure, red bands, tank; 20.	
11932 <i>E 2672</i>	Plicina Mramori, on the S. shoal.	45° 08.8' N 13° 34.3' E	Fl.(2)R. period 8s fl. 0.5s, ec. 2s fl. 0.5s, ec. 5s	43 13	7	Red tower, column and gallery; 20.	
11936 <i>E 2674</i>	Otocic Galiner, Vrsar, entrance.	45° 09.3' N 13° 35.7' E	Fl.W. period 2s fl. 0.3s, ec. 1.7s	67 20	5	Red iron skeleton structure; 33.	Visible 185°-025°, obsc.-049°, vis.-064°, obsc.-099°, vis.-116°, obscured elsewhere.
11940 <i>E 2676</i>	Vrsar, mole, head.	45° 08.9' N 13° 36.1' E	Fl.(2)W. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	21 6	4	White round tower with column and gallery; 16.	Visible 072°-000°.
ROVINJ:							
11944 <i>E 2680</i>	-Rt Sveta Eufemija.	45° 05.0' N 13° 37.8' E	Fl.W. period 4s fl. 0.5s, ec. 3.5s	62 19	7	White square tower with gallery; 23.	
11948 <i>E 2684</i>	-Juzna Luka, breakwater, head.	45° 04.8' N 13° 38.1' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Red tower with column and gallery; 20.	
11952 <i>E 2686</i>	--Mole, head.	45° 04.5' N 13° 38.2' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	4	White tower with column and gallery; 20.	
11956 <i>E 2682</i>	-Sjeverna Luka, quay.	45° 05.1' N 13° 38.2' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Green tower with column and gallery; 20.	
11960 <i>E 2690</i>	Hrid Sveti Ivan na Pucini.	45° 02.5' N 13° 36.9' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 6.5s	75 23	24	Masonry tower, dwelling; 49.	Reserve light range 12M. Siren: 1 bl. ev. 30s.
11968 <i>E 2712</i>	-Fazana, N. mole, head.	44° 55.7' N 13° 48.1' E	Fl.R. period 2s fl. 0.5s, ec. 1.5s	25 8	2	Red tower column and gallery; 16.	
11972 <i>E 2692</i>	-Kabula, Brioniski Otoci, rock, N. side.	44° 56.7' N 13° 42.6' E	Q.W.	32 10	9	N. CARDINAL BY, beacon, topmark.	
11976 <i>E 2696</i>	-Saluga, Otok Veliki Brioni, shoal, NE. side.	44° 55.2' N 13° 46.8' E	Fl.(2)W.R. period 8s fl. 0.5s, ec. 2s fl. 0.5s, ec. 5s	26 8	6	Red round metal tower, column and gallery on stone base; 20.	R. 130°-142°, W.-130°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
11980 <i>E 2694</i>	-Brioni (Brijuni), N. mole, head.	44° 55.1' N 13° 46.3' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	23 7	4	Green tower, column and gallery; 20.	
11988 <i>E 2700</i>	-Kotez, on shoal, S. side of channel.	44° 54.4' N 13° 47.7' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	22 7	6	Green tower with column and gallery on submerged base; 20.	
11992 <i>E 2706</i>	-Otok Sveti Jerolim, W. point.	44° 54.0' N 13° 47.1' E	Fl.W. period 2s fl. 0.3s, ec. 1.7s	33 10	5	White tower, column and gallery; 16.	Visible 349°-221°.
11996 <i>E 2710</i>	-Rt Pinida, Brionski Otoci, S. point.	44° 53.3' N 13° 45.4' E	Iso.W. period 4s	66 20	11	Square tower, dwelling; 49.	Visible 238°-114°. Reserve light range 7M. Signal station.
LUKA PULA:							
12000 <i>E 2718</i>	-Rt Kristo, entrance, NE. side.	44° 53.5' N 13° 47.7' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	30 9	5	Square stone tower, red top; 16.	
12004 <i>E 2720</i>	-Rt Kumpare, breakwater, head.	44° 53.2' N 13° 47.5' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	30 9	6	Green tower, column and gallery; 16.	
12008 <i>E 2721</i>	-Otocic Sveta Katerina, S. side.	44° 52.5' N 13° 49.5' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	20 6	1	Red tower, column and gallery on submerged base; 16.	
12012 <i>E 2721.2</i>	--About 80 meters ENE.	44° 52.4' N 13° 49.8' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	20 6	1	Red tower, gallery on submerged base; 16.	
12016 <i>E 2724</i>	-Otocic Sveti Andrija, N. side.	44° 52.4' N 13° 49.5' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	23 7	1	Green tower with gallery on submerged base; 16.	
12020 <i>E 2726</i>	-Otocic Sveti Andrija, S. side.	44° 52.2' N 13° 49.6' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	17 5	4	Red square hut with gallery and white post; 16.	
12024 <i>E 2728</i>	-Commercial port, Gat Rijeka.	44° 52.5' N 13° 50.9' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	23 7	3	White metal tower with column and gallery; 20.	
12032 <i>E 2727</i>	-Otocic Uljanik, NE. of fort.	44° 52.6' N 13° 50.4' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	23 7	3	Green tower on submerged base; 16.	
12036 <i>E 2734</i>	Rt Verudica, Luka Veruda, entrance, N. side.	44° 50.0' N 13° 50.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	36 11	6	White tower, red top with gallery and dwelling; 26.	
12040 <i>E 2738</i>	Hrid Porer.	44° 45.5' N 13° 53.6' E	Fl.(3)W. period 15s fl. 0.3s, ec. 2.7s fl. 0.3s, ec. 2.7s fl. 0.3s, ec. 8.7s	115 35	25	Masonry tower, dwelling; 102.	Visible 255°-147°. Reserve light range 12M. Siren: 2 bl. ev. 42s. (bl. 4s, si. 4s, bl. 4s, si. 30s).
RACON			M(— —) period 120s		20		
KVARNER WEST:							
12048 <i>E 2742</i>	-Plicina Albanez.	44° 44.1' N 13° 54.2' E	Fl.(2)W.R. period 8s fl. 0.5s, ec. 2s fl. 0.5s, ec. 5s	49 15	W. 10 R. 6	White tower with gallery on submerged base; 46.	R. 172°-227°, W.-172°.
12052 <i>E 2738.2</i>	-Hrid Porer, rock, S. head.	44° 45.0' N 13° 54.0' E	Iso.W.R.G. period 6s	39 12	W. 11 R. 7 G. 7	Column with red lantern and gallery on dwelling; 7.	W. 258°-326°, R.-352°, G.- 163°, obscured elsewhere. Lighted when Plicina Albanez is extinguished.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
12054 <i>E 7580</i>	Platform "Ivana A".	44° 44.7' N 13° 17.6' E	Mo.(U)W. period 15s fl. 0.4s, ec. 0.5s fl. 0.4s, ec. 0.5s fl. 1.2s, ec. 12s	56 17	10		Nautophone: Mo.(U) ev. 30s. (bl. 0.75s, si. 1s, bl. 0.75s, si. 1.25s, bl. 2.5s, si. 24s).
12054.2 <i>E 7583</i>	--"Ivana B".	44° 41.2' N 13° 12.8' E	Mo.(U)W. period 15s fl. 0.4s, ec. 0.5s fl. 0.4s, ec. 0.5s fl. 1.2s, ec. 12s	74 22	10		Nautophone: Mo.(U) ev. 30s. (bl. 0.75s, si. 1s, bl. 0.75s, si. 1s, bl. 2.5s, si. 24s).
12054.5 <i>E 7581</i>	--"Ivana D".	44° 47.0' N 13° 15.5' E	Mo.(U)W. period 15s fl. 0.4s, ec. 0.5s fl. 0.4s, ec. 0.5s fl. 1.2s, ec. 12s	74 22	10		Nautophone: Mo.(U) ev. 30s (bl. 0.75s, si. 1s, bl. 0.75s, si. 1s, bl. 2.5s, si. 24s).
12054.6 <i>E 7582</i>	--"Ivana E".	44° 44.7' N 13° 14.5' E	Mo.(U)W. period 15s fl. 0.4s, ec. 0.5s fl. 0.4s, ec. 0.5s fl. 1.2s, ec. 12s	74 22	10		Nautophone: Mo.(U) ev. 30s (bl. 0.75s, si. 1s, bl. 0.75s, si. 1s, bl. 2.5s, si. 24s).
12055 <i>E 7584</i>	"IDA-C".	44° 27.7' N 13° 30.0' E	Mo.(U)W. period 15s fl. 0.4s, ec. 0.5s fl. 0.4s, ec. 0.5s fl. 1.2s, ec. 12s		10	Platform.	Nautophone: Mo.(U) ev. 30s (bl. 0.75s, si. 1s, bl. 0.75s, si. 1s, bl. 2.5s, si. 24s).
-Medulinski Zaliv:							
12056 <i>E 2748</i>	--Rt Munat Skrajni.	44° 48.2' N 13° 55.4' E	Fl.W.R. period 2s fl. 0.3s, ec. 1.7s	29 9	W. 7 R. 4	Red tower with column and gallery; 16.	W. 312°-327°, R.-312°.
12058 <i>E 2749</i>	--Bodulas, islet, SW.	44° 47.4' N 13° 56.6' E	Fl.(2)G. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	26 8	5	STARBOARD (A) G, tower; 23.	Visible 278°-142°.
12060 <i>E 2750</i>	--Rt Marlera.	44° 48.2' N 14° 00.2' E	Fl.W. period 9s fl. 0.5s, ec. 8.5s	69 21	9	White tower, gallery, concrete base; 30.	Visible 186°-038°.
12064 <i>E 2751</i>	--Rt Seka, on shoal.	44° 53.7' N 14° 01.1' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	26 8	3	Green tower, gallery; 13.	
-Zaliv Rasa:							
12068 <i>E 2768</i>	--Rt Ubas (Ubac), entrance, E. side.	44° 56.7' N 14° 04.0' E	Fl.W. period 4s fl. 0.5s, ec. 3.5s	52 16	8	White tower, column and gallery; 16.	
12072 <i>E 2769</i>	--Rt Mulac, entrance, W. side.	44° 57.0' N 14° 03.3' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	69 21	3	Red tower column and gallery; 26.	
12076 <i>E 2770</i>	--Rt Kucica.	44° 58.2' N 14° 04.5' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	26 8	3	Green tower, column and gallery; 16.	
12080 <i>E 2772</i>	--Rt Sveti Mikula.	44° 58.8' N 14° 04.6' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	29 9	1	Red tower, gallery on white base; 20.	
12084 <i>E 2773</i>	--Uvala Tunarica.	44° 58.5' N 14° 05.9' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	23 7	1	Red tower, column and gallery; 16.	
12088 <i>E 2774</i>	--Rt Prascarica.	44° 59.4' N 14° 04.3' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	26 8	1	Red tower, column and gallery; 16.	
12092 <i>E 2776</i>	--Uvala Teplica, W. point.	45° 00.2' N 14° 03.5' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	30 9	1	Green tower, gallery on white base, 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
12096 E 2780	--Trget, inlet, W. point.	45° 01.4' N 14° 03.3' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	23 7	1	Green tower, column and gallery; 16.	Visible 326°-170°.
12099 E 2781	-Koromacno, wharf, head.	44° 57.9' N 14° 07.1' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	26 8	4	Green tower, column and gallery; 20.	Visible 002°-253°.
12100 E 2782	-Rt Crna Punta.	44° 57.4' N 14° 08.8' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	49 15	10	White tower in front of house; 16.	Visible 245°-104°.
12102 E 2783	--Skvaranska.	44° 59.2' N 14° 10.4' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	26 8	10	White tower, column and gallery; 16.	
	-Luka Rabac:						
12104 E 2794	--Rt Sveti Andrija.	45° 04.5' N 14° 09.9' E	Fl.(3)W. period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4.5s	30 9	5	Square stone tower; 13.	
12108 E 2798	--Quay.	45° 04.7' N 14° 09.7' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	20 6	2	Green tower with pillar and gallery; 16.	Visible 350°-270°.
12110 E 2798.2	Rt. Masnjak.	45° 07.0' N 14° 12.3' E	Fl.(2)W. period 8s fl. 1s, ec. 2s fl. 1s, ec. 4s	52 16	8	White tower, gallery; 20.	Visible 286°-127°.
12112 E 2799	Uvala Brestova, cove, head.	45° 09.0' N 14° 13.9' E	Fl.G. period 2s fl. 0.5s, ec. 1.5s	23 7	4	Green tower, column and gallery; 16.	
	KVARNER EAST:						
12116 E 2744	-Hrid Galiola.	44° 43.8' N 14° 10.8' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	69 21	12	Octagonal stone tower, gallery; 59.	
	-RACON		K(- • -) period 40s		20		
	-Otok Unije:						
12120 E 2752	--Rt Vnetak.	44° 37.2' N 14° 14.4' E	Fl.(3)W.R. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6.5s	56 17	W. 10 R. 7	Stone tower on house; 43.	W. 270°-158°, R.-176°.
12124 E 2754	--Luka Unije, mole, head.	44° 38.2' N 14° 14.8' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	20 6	3	Red tower, column and gallery; 20.	Visible 093°-146°.
12128 E 2756	--Rt Lakunji.	44° 41.3' N 14° 17.1' E	Fl.(4)W. period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	26 8	8	White tower, column and gallery; 20.	
12132 E 2760	-Otocic Zecevo, SW. point.	44° 45.9' N 14° 18.2' E	Fl.(2)W.R. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	43 13	W. 8 R. 6	Square stone tower; 26.	W. 194°-176°, R.-194°.
12136 E 2761	-Otocic Visoki, NW. side.	44° 46.6' N 14° 20.9' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	43 13	6	Stone tower; 26.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
-Otok Cres:							
12140 <i>E 2758</i>	--Uvala Bijar.	44° 41.9' N 14° 23.7' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	20 6	4	Red tower, column and gallery; 16.	Visible 116°-106°.
12144 <i>E 2759</i>	--Osor, mole.	44° 41.7' N 14° 23.6' E	Fl.R. period 1.5s fl. 0.3s, ec. 1.2s	20 6	3	Red tower, column and gallery; 16.	
12148 <i>E 2762</i>	--Martinscica, mole, head.	44° 49.1' N 14° 21.3' E	Fl.R. period 4s fl. 0.5s, ec. 3.5s	20 6	3	Red tower, column and gallery; 16.	
12152 <i>E 2764</i>	--Hrid Zaglav.	44° 55.3' N 14° 17.6' E	Fl.(3)W. period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 9.5s	65 20	10	Square tower, gallery on dwelling; 49.	
12154 <i>E 2750.3</i>	--Sika, rock.	44° 49.1' N 13° 59.9' E	Fl.(2)R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	26 8	4	Red tower; 23.	Obscured 340°-112°.
--Luka Cres:							
12156 <i>E 2784</i>	---Rt Kovacine, entrance, N. side.	44° 57.6' N 14° 23.5' E	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	29 9	8	Red tower; 20.	Visible 297°-185°.
12160 <i>E 2792</i>	---Luka Cres, on Rt Krizice.	44° 57.4' N 14° 23.7' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	29 9	4	Green tower; 20.	
12164 <i>E 2788</i>	---Rt Melin.	44° 57.4' N 14° 24.5' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	19 6	3	Red tower, column and gallery; 16.	
12172 <i>E 2802</i>	--Rt Prestenice, Kanal Vela Vrata, E. entrance point.	45° 07.2' N 14° 16.7' E	L.Fl.W. period 10s fl. 2s, ec. 8s	56 17	10	Square tower on two-story dwelling; 43.	Visible 350°-205°.
12176 <i>E 2799.4</i>	--Rt Sip.	45° 10.8' N 14° 14.5' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	75 23	8	Red tower, gallery; 16.	
12180 <i>E 2799.2</i>	C. Brestova.	45° 08.3' N 14° 13.5' E	Fl.(2)R. period 12s fl. 1s, ec. 2.5s fl. 1s, ec. 7.5s	131 40	13	Red tower, gallery; 16.	
12184 <i>E 2799.6</i>	--Banja, Kanal Vela Vrata, NE. entrance point.	45° 09.9' N 14° 18.2' E	Fl.G. period 4s fl. 0.5s, ec. 3.5s	23 7	8	Green tower, gallery; 16.	
12188 <i>E 2801</i>	--Livala Porozina, mole, head.	45° 08.0' N 14° 17.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Red tower, column and gallery; 16.	
KANAL SREDNJA VRATA:							
-Otok Cres:							
12194 <i>E 2871</i>	--Merag.	44° 58.8' N 14° 26.8' E	Fl.(3)G. period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4.5s	26 8	4	White tower; 23.	
12196 <i>E 2873</i>	--Rt Tarej.	44° 57.3' N 14° 29.5' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	26 8	6	Red tower, column and gallery on white pedestal; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
RIJECKI ZALIV:							
12200 E 2804	-Moscenice, quay, SE. corner.	45° 14.2' N 14° 15.1' E	F.G.		23 7	3 Green tower, column and gallery; 16.	
12204 E 2810	-Lovran, S. breakwater, head.	45° 17.4' N 14° 17.1' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s		26 8	4 Green square tower, column and gallery; 23.	
12208 E 2812	-Ika, mole, N. head.	45° 18.2' N 14° 17.3' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s		23 7	2 Red tower, column; 16.	
12212 E 2816	-Opatija, mole, head.	45° 20.2' N 14° 19.0' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s		23 7	6 Red tower with column and gallery; 20.	Visible 137°-354°.
12216 E 2817	--Marina, breakwater, head.	45° 19.6' N 14° 18.3' E	Fl.(2)R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s		23 7	4 Red tower, column and gallery; 16.	
12220 E 2818	-Volosko, S. mole, head.	45° 20.9' N 14° 19.7' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s		23 7	3 Red tower, column and gallery; 16.	
12224 E 2820	--N. mole, head.	45° 21.0' N 14° 19.0' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s		23 7	3 Green tower, column and gallery; 16.	
12226 E 2829	-Petrolejska.	45° 20.0' N 14° 24.7' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s		26 8	4 Green tower, column and gallery on submerged base; 20.	
12228 E 2822	-Mlaka.	45° 20.0' N 14° 25.6' E	Fl.W. period 10s fl. 0.7s, ec. 9.3s		128 39	15 White tower with black bands, cupola and gallery; 125.	Reserve light range 12M.
-Luka Rijeka:							
12232 E 2830	--Brgud, S. breakwater, head.	45° 20.0' N 14° 25.0' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s		33 10	4 Green tower, column on building; 11.	
12240 E 2824	--Breakwater Generala Petra Drapsina, head.	45° 20.0' N 14° 25.0' E	Fl.(3)G. period 5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 2.5s		49 15	5 Green tower, gallery; 46.	
12244 E 2828	--Mole Lole Ribara, head.	45° 19.8' N 14° 25.3' E	Fl.(3)R. period 5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 2.5s		30 9	4 Red square tower, column and gallery; 23.	
-Susak:							
12248 E 2842	--Detached breakwater, S. side.	45° 19.0' N 14° 27.0' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s		29 9	3 Green tower, column and gallery; 23.	
12252 E 2840	--N. side.	45° 19.0' N 14° 27.0' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s		23 7	2 Red tower, column and gallery; 16.	
12254 E 2843	-RoRo berth.	45° 19.3' N 14° 27.1' E	Fl.W. period 3s fl. 1s, ec. 2s		23 7	4 White tower; 20.	
12256 E 2844	-Luka Marinscica, E. breakwater, head.	45° 18.7' N 14° 28.6' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s		38 12	3 Green tower, column and gallery; 16.	
12256.2 E 2844.5	--W. pier.	45° 18.7' N 14° 28.5' E	Fl.(2)R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s		26 8	4 Red column; 13.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
12256.4 <i>E 2844.8</i>	--Floating dock, SW. corner.	45° 18.5' N 14° 28.6' E	Fl.(2)G. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s		4	Green column.	Visible 030°-185°.
KVARNER:							
12260 <i>E 3036</i>	-Otok Susak.	44° 30.8' N 14° 18.3' E	L.Fl.(2)W. period 10s fl. 2s, ec. 2s fl. 2s, ec. 4s	328 100	19	Square tower, dwelling; 39.	Reserve light range 8M.
12264 <i>E 3038</i>	-Uvala Dragoca, N. breakwater, head.	44° 30.8' N 14° 18.9' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	23 7	3	Green tower, column and gallery; 16.	
12268 <i>E 3034</i>	-Hrid Silo, Otok Srakane Male, SE.	44° 33.5' N 14° 21.6' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	36 11	5	Stone tower, red gallery, white concrete base; 20.	
12270 <i>E 3035</i>	-Otocic Vele Srakane.	44° 34.5' N 14° 19.2' E	Fl.(2)W. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	20 6	4	White tower; 13.	
12272 <i>E 3042</i>	-Otocic Sveti Petar, Otok Losinj, SW.	44° 27.6' N 14° 33.6' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	23 7	5	White iron tower; 16.	Visible 115°-128°, 285°-320°.
12273 <i>E 3043</i>	-Otok Ilovik.	44° 27.7' N 14° 33.2' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	23 7	3	White tower with column and gallery; 16.	
-Otok Losinj:							
12276 <i>E 3032</i>	--Rt Kurila.	44° 33.7' N 14° 22.4' E	Fl.W.R. period 5s fl. 0.5s, ec. 4.5s	36 11	W. 8 R. 6	Stone tower on white pedestal; 26.	W. 189°-175°, R.-189°.
--Luka Mali Losinj:							
12280 <i>E 3022</i>	---Otocic Murtar, SW. point.	44° 33.0' N 14° 25.2' E	L.Fl.W. period 8s fl. 2s, ec. 6s	30 9	8	White tower, gallery on pedestal and dwelling; 30.	
12284 <i>E 3023</i>	---Otocic Zabodaski, W. side.	44° 33.1' N 14° 24.2' E	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	39 12	4	Square stone tower, red top; 20.	
12288 <i>E 3024</i>	--Otocic Koldurac (Koludarc), on Rt Kriz, entrance, S. side.	44° 33.5' N 14° 25.7' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	33 10	3	Green tower, white pedestal; 23.	
12292 <i>E 3026</i>	---Rt Torunza, entrance, N. side.	44° 33.7' N 14° 25.5' E	Fl.W.R. period 3s fl. 0.3s, ec. 2.7s	33 10	W. 6 R. 4	Red tower, white concrete base; 23.	W. 065°-072°, R.-065°.
12296 <i>E 3028</i>	---Rt Poljana.	44° 33.3' N 14° 26.5' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	30 9	5	Red framework tower on white pedestal; 26.	
12300 <i>E 3029</i>	--Mole, NW. corner.	44° 32.2' N 14° 27.9' E	Fl.R. period 4s fl. 0.5s, ec. 3.5s	23 7	4	Red tower, column and gallery; 16.	
12304 <i>E 3019</i>	--Luka Cikat, on Rt Madona.	44° 31.6' N 14° 27.2' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	39 12	3	Stone tower, green gallery; 23.	
12308 <i>E 3016</i>	--Veli Losinj, on E. entrance point.	44° 31.4' N 14° 30.4' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	33 10	3	Red tower with column and gallery; 16.	Visible 170°-270°.
12312 <i>E 3014</i>	--Luka Sveta Martin, mole, head.	44° 32.0' N 14° 28.9' E	F.R.	16 5	3	Red metal column; 13.	
12316 <i>E 3012</i>	--Nerezine, S. mole, head.	44° 39.8' N 14° 24.2' E	F.R.	16 5	3	Red column; 13.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
12320 <i>E 3008</i>	--Otocic Palacol.	44° 32.5' N 14° 37.5' E	Fl.(2)W.R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	36 11	W. 8 R. 5	White tower, gallery on concrete pedestal; 23.	R. 078°-150°, W.-078°.
-Otok Cres:							
12324 <i>E 3006</i>	--Rt Suha.	44° 36.2' N 14° 30.2' E	Fl.W.R. period 5s fl. 0.5s, ec. 4.5s	20 6	W. 9 R. 6	White tower, column and gallery; 16.	R. 285°-319°, W.-285°.
12328 <i>E 3004</i>	--Luka Jadresnica.	44° 37.0' N 14° 30.5' E	F.G.	16 5	3	Green column; 16.	
12332 <i>E 3002</i>	--Otocic Trstenik.	44° 40.1' N 14° 34.8' E	L.Fl.W.R. period 10s fl. 2s, ec. 8s	85 26	W. 11 R. 8	Stone tower, dwelling; 39.	W. 042°-346°, R.-018°, W.-032°.
RIJECKI ZALIV:							
12336 <i>E 2850</i>	--Podurinj (Urinj), mole, head.	45° 17.0' N 14° 31.8' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	19 6	3	Green tower, column and gallery; 16.	
12340 <i>E 2855</i>	--Rt Sridnji, entrance, N. point.	45° 16.7' N 14° 33.5' E	Fl.(2)W. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	39 12	6	White iron tower with gallery; 16.	Visible 212°30'-053°.
12342 <i>E 2845.1</i>	--Rt Ostro, Kraljevica.	45° 16.4' N 14° 33.6' E	Iso.W. period 4s	49 15	8	Red tower, white bands; 49.	
-Bakarski Zaliv:							
12344 <i>E 2854.2</i>	--Kraljevica, landing pier, SW. corner.	0° 00.0' N 0° 00.0' E	F.G.	16 5	3	White iron column; 13.	
12348 <i>E 2854</i>	---NE. corner.	45° 16.4' N 14° 34.1' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	20 6	3	White tower; 16.	
12352 <i>E 2856</i>	--Kavranic, entrance, NE. point.	45° 16.8' N 14° 33.9' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	49 15	6	Pyramidal stone tower; 20.	
12356 <i>E 2857</i>	--Rt Babno.	45° 16.9' N 14° 33.6' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	41 12	4	Red round tower, column and gallery; 16.	
12360 <i>E 2862</i>	--Bakarac, mole, head.	45° 16.8' N 14° 34.9' E	F.R.	20 6	3	Red tower, column; 16.	
VELEBITSKI KANAL:							
-Tihi Kanal:							
12364 <i>E 2890</i>	--Otocic Sv. Marko.	45° 15.2' N 14° 34.2' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	49 15	6	Red tower, column and gallery; 20.	
12368 <i>E 2892</i>	--Rt Glavina.	45° 14.4' N 14° 34.9' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	23 7	3	Red tower, column and gallery; 16.	
12376 <i>E 2894</i>	--Rt Voscica, on Otok Krk.	45° 14.3' N 14° 35.7' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	39 12	3	Masonry tower on dwelling; 26.	Visible 106°-346°.
12380 <i>E 2895</i>	--Rt Turnac, W. side.	45° 13.4' N 14° 36.5' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	29 9	3	White tower, red daymark; 19.	
12384 <i>E 2896</i>	--Rt Ertak, E. side.	45° 13.0' N 14° 37.0' E	Fl.W. period 2s fl. 0.3s, ec. 1.7s	29 9	5	White tower, column, gallery and dwelling; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
12388 <i>E 2906</i>	-Crikvenica, E. side of channel, S. mole, head.	45° 10.3' N 14° 41.7' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	26 8	3	Green square tower, column and gallery; 23.	
	-Otok Krk:						
12392 <i>E 2898</i>	--Soline, near Cape Glavati.	45° 09.7' N 14° 38.4' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	30 9	4	Stone tower, red daymark; 20.	Visible 090°-248°.
12396 <i>E 2899</i>	---Hrid Crni, about 0.5 km. SW. of Soline.	45° 09.6' N 14° 38.0' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	13 4	3	Red tower column; 10.	Visible 051°-256°.
12400 <i>E 2900</i>	--Klimno, mole, head.	45° 09.4' N 14° 37.5' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	23 7	3	Red tower, column and gallery; 16.	
12404 <i>E 2902</i>	--Uvala Stipnanja, Silo, breakwater.	45° 08.9' N 14° 40.2' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	20 6	3	Green tower, column and gallery; 16.	
12408 <i>E 2901</i>	---Rt Silo.	45° 09.4' N 14° 40.5' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	46 14	7	Stone tower; 30.	
12412 <i>E 2908</i>	-Selce, pier, head.	45° 09.4' N 14° 43.3' E	Fl.(2)W. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	23 7	3	White tower, column and gallery; 20.	Visible 036°-306°.
12416 <i>E 2910</i>	-Rt Tokal.	45° 08.3' N 14° 44.9' E	Fl.W. period 6s fl. 1s, ec. 5s	66 20	9	White tower, red column; 23.	
12420 <i>E 2912</i>	-Novi Vinodolski, breakwater, head.	45° 07.5' N 14° 47.6' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	2	Green square tower, column and gallery; 23.	
12424 <i>E 2914</i>	--Inner mole, head.	45° 07.5' N 14° 47.6' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	2	Red tower, column and gallery; 16.	
12428 <i>E 2903.3</i>	-Vrbnik, mole, head.	45° 04.8' N 14° 40.8' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	20 6	3	Red tower, column and gallery; 16.	
12432 <i>E 2916</i>	-Hrid Sv. Anton, on SW. extremity.	45° 05.8' N 14° 50.8' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	29 9	6	White stone tower; 13.	
12436 <i>E 2923</i>	-Senj, "Sv. Ambroz" mole, head.	44° 59.5' N 14° 54.2' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	33 10	5	Stone tower, red daymark; 30.	
12444 <i>E 2922</i>	-"Marija Art" breakwater, head.	44° 59.4' N 14° 53.8' E	Fl.(3)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 4.5s	34 10	8	Stone tower; 30.	
12448 <i>E 2926</i>	-Jurjevo, mole, head.	44° 55.8' N 14° 55.4' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	20 6	3	Stone tower, red column; 16.	Visible 093°-183°.
12452 <i>E 2928</i>	-Lukovo Otoko, Rt Malta.	44° 52.0' N 14° 53.0' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	29 9	8	Square stone tower; 13.	
12456 <i>E 2929</i>	-Lukovo Otoko, mole, head.	44° 51.3' N 14° 53.6' E	Fl.R. period 4s fl. 0.5s, ec. 3.5s	20 6	3	Red tower, column and gallery; 16.	
12458 <i>E 2931</i>	-Starigard.	44° 47.8' N 14° 52.9' E	Fl.(2)W. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	23 7	4	White tower; 23.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
KVARNERIC:							
12460 <i>E 2887</i>	-Rt Strazica, Otok Prvic, NW. extremity.	44° 56.0' N 14° 46.5' E	Fl.W. period 6s fl. 1s, ec. 5s	69 21	9	White tower, gallery on pedestal and dwelling; 16.	
12464 <i>E 2886.4</i>	-Rt Skuljica, Otok Krk, SE. extremity.	44° 56.6' N 14° 46.0' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	59 18	6	Red round tower; 16.	
12468 <i>E 2886</i>	-Otocic Galun, NE. extremity.	44° 56.4' N 14° 41.1' E	Fl.(3)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 4.5s	39 12	8	Square stone tower, on white pedestal; 26.	
KANAL SREDNJA VRATA:							
12472 <i>E 2872</i>	-Rt Veli Pin, Otok Plavnik, W. extremity.	44° 58.8' N 14° 29.4' E	Fl.W. period 6s fl. 1s, ec. 5s	66 20	10	Stone tower on white pedestal; 39.	
VELEBITSKI KANAL:							
12476 <i>E 2904</i>	--Baska, mole, head.	44° 58.1' N 14° 46.0' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	33 10	4	Square tower, green daymark; 26.	
12480 <i>E 2905</i>	---W. mole, head.	44° 58.3' N 14° 45.6' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Red tower, column and gallery; 16.	
KVARNERIC:							
12484 <i>E 2884</i>	--Rt Negrit.	44° 58.8' N 14° 37.4' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	46 14	5	Green tower, column, gallery and dwelling; 16.	
12488 <i>E 2880</i>	--Puntarska Draga, on Rt Pod Strazica.	45° 00.7' N 14° 37.8' E	Fl.W. period 2s fl. 0.3s, ec. 1.7s	29 9	5	White tower, column and gallery on pedestal; 16.	
12492 <i>E 2882</i>	---Punat, breakwater, head.	45° 01.3' N 14° 38.1' E	Fl.G. period 4s fl. 0.5s, ec. 3.5s	20 6	3	Green tower, column, gallery and dwelling; 16.	Visible 082°-294°.
12496 <i>E 2874</i>	--Krk, mole, head.	45° 01.4' N 14° 35.0' E	Fl.R. period 4s fl. 0.5s, ec. 3.5s	26 8	3	Red square tower; 26.	
12500 <i>E 2876</i>	---E. mole, head.	45° 01.5' N 14° 34.6' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	20 6	3	Green tower with column; 16.	
KANAL SREDNJA VRATA:							
12504 <i>E 2870.4</i>	--Rt Sv. Mikula.	45° 01.3' N 14° 30.3' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	26 8	4	White tower, column and gallery; 16.	
12508 <i>E 2870</i>	-Rt Manganel.	45° 04.4' N 14° 26.3' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	43 13	8	Square stone tower on pedestal; 26.	
12512 <i>E 2869</i>	--Rt Glavotok.	45° 05.4' N 14° 26.4' E	Fl.R. period 4s fl. 0.5s, ec. 3.5s	23 7	3	Red tower, column; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
RIJECKI ZALIV:							
12516 <i>E 2868</i>	--Malinska, mole, head.	45° 07.5' N 14° 31.9' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	4	Red tower, column and gallery; 16.	
12524 <i>E 2867</i>	--Njivice, mole, head.	45° 09.9' N 14° 32.9' E	Fl.G. period 4s fl. 0.3s, ec. 3.7s	23 7	3	Green round iron tower with pillar and balcony; 20.	
12526 <i>E 2866.5</i>	--Sapan, quay.	45° 12.1' N 14° 32.5' E	Fl.G. period 5s fl. 1s, ec. 4s	23 7	4	Green tower with column and gallery; 20.	
12528 <i>E 2866</i>	--Tenka Punta.	45° 13.7' N 14° 32.1' E	Fl.(3)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 4.5s	30 9	7	White square stone tower on concrete block; 23.	
12532 <i>E 2863</i>	--Kijac.	45° 14.2' N 14° 32.5' E	Fl.(2)R. period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6s	46 14	8	Red round tower; 16.	Obscured 224°-331°.
12536 <i>E 2864</i>	---Range, front.	45° 12.7' N 14° 33.3' E	Iso.G. period 2s	75 23	11	White column with platform, red diamond daymark.	
12540 <i>E 2864.1</i>	----Rear, 400 meters 151° from front.	45° 12.4' N 14° 33.1' E	Oc.G. period 5s lt. 3s, ec. 2s	105 32	11	White column with platform, red diamond daymark.	
VELEBITSKI KANAL:							
12544 <i>E 2888</i>	-Rt Sajalo, Otok Goli, NW. point.	44° 51.0' N 14° 48.2' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	26 8	5	Stone tower; 16.	
12548 <i>E 2940</i>	-Jablanac, on Rt Gradic, entrance, N. side.	44° 42.5' N 14° 53.7' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	10 3	4	Red square tower on column; 16.	
12552 <i>E 2941</i>	--Entrance, S. side.	44° 42.3' N 14° 54.2' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	23 7	3	Green tower, column, gallery; 16.	
12556 <i>E 2942</i>	-Plicina Glavina.	44° 41.9' N 14° 52.7' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	23 7	4	ISOLATED DANGER BRB, topmark.	
12558 <i>E 2942.3</i>	-Rt Glavina.	44° 42.3' N 14° 52.0' E	Fl.(2)G. period 4s fl. 0.5s, ec. 1s fl. 0.5s, ec. 2s	26 8	4	Green tower, gallery, pedestal; 20.	
12560 <i>E 2942.4</i>	-Misnjak.	44° 42.0' N 14° 52.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	20 6	3	Red round tower on white submerged base; 16.	Obscured 288°-132°.
12564 <i>E 2942.5</i>	-Luka Misnjak.	44° 42.5' N 14° 51.8' E	Fl.W. period 4s fl. 0.5s, ec. 3.5s	20 6	3	White tower, column and gallery; 13.	Visible 254°-016°.
12568 <i>E 2938</i>	--Rt Stokic, N. of port.	44° 42.6' N 14° 53.9' E	Fl.W. period 6s fl. 1s, ec. 5s	164 50	8	White tower on concrete base; 20.	Visible 346°-174°.
12576 <i>E 2943</i>	-Hrid Pohlib.	44° 41.9' N 14° 50.8' E	Fl.W. period 2s fl. 0.3s, ec. 1.7s	23 7	5	Square stone tower; 16.	Visible 275°-168°.
12578 <i>E 2943.9</i>	-Plicina Prizna.	44° 36.2' N 14° 58.2' E	Fl.(2)W. period 5s fl. 0.3s, ec. 0.9s fl. 0.3s, ec. 3.5s	26 8	8	ISOLATED DANGER BRB, tower on stone base, topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
12580 <i>E 2944</i>	-Rt Jurisnica.	44° 34.4' N 14° 59.6' E	Fl.(3)W. period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	33 10	9	White octagonal concrete tower; 23.	
12584 <i>E 2948</i>	-Karlobag, S. mole, head.	44° 31.4' N 15° 04.5' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	4	Green iron tower; 23.	
KVARNERIC:							
-Otok Rab:							
12588 <i>E 2975</i>	--Lopar, mole, head.	44° 50.2' N 14° 43.6' E	Fl.(2)W. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	26 8	3	White tower; 23.	
12592 <i>E 2976</i>	--Rt Sorinj.	44° 50.7' N 14° 41.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	33 10	6	White tower; 23.	
12594 <i>E 2977</i>	--Supetarska, breakwater, head.	44° 48.2' N 14° 43.3' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	23 7	4	Red round tower with column and gallery; 16.	
12596 <i>E 2978</i>	--Rt Kalifront.	44° 47.3' N 14° 39.6' E	Fl.(3)W. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6.5s	36 11	8	White tower, column on pedestal; 16.	
12600 <i>E 2982</i>	--Uvala Kristofor, entrance, W. side.	44° 45.5' N 14° 42.1' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	33 10	8	White tower with gallery and column; 16.	
12604 <i>E 2995</i>	-Otok Dolin, on Donji Rt.	44° 44.4' N 14° 46.2' E	Fl.(3)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 4.5s	30 9	7	White iron tower with post; 20.	
12608 <i>E 2984</i>	--Luka Rab, Plicina Frkanj.	44° 44.9' N 14° 45.5' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	20 6	4	Stone tower, green top; 23.	
12612 <i>E 2986</i>	---Rt Frkanj.	44° 45.1' N 14° 45.3' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	16 5	4	Square stone tower, red topmark; 13.	
12616 <i>E 2994</i>	---Otocic Tunera, N. extremity.	44° 45.1' N 14° 46.0' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	46 14	4	Octagonal stone tower, green top; 23.	Visible 342°-222°.
12620 <i>E 2992</i>	--Luka Rab, on Rt Sveti Ante, extremity of shoal.	44° 45.2' N 14° 45.7' E	Fl.R. period 1.5s fl. 0.3s, ec. 1.2s	23 7	3	Red iron column; 20.	
12624 <i>E 2988</i>	---Mole, head.	44° 45.3' N 14° 45.8' E	Fl.G. period 2s fl. 0.5s, ec. 1.5s	23 7	3	Green tower, column and gallery; 20.	
12632 <i>E 2998</i>	-Otocic Dolfin.	44° 41.5' N 14° 41.7' E	Fl.(2)W.R. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	98 30	W. 10 R. 7	Red 4-sided tower with pillar and gallery; 18.	R. 138°-153°, W.-138°.
12640 <i>E 2995.6</i>	-Uvala Stara Novallja, Rt Deda.	44° 36.2' N 14° 52.6' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	30 9	5	Square stone tower on white pedestal; 20.	
12644 <i>E 2997</i>	--Luka Novalja, pier, S. head.	44° 33.3' N 14° 53.3' E	Fl.R.G. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Red tower, column and gallery; 16.	G. 085°-109°, R.-elsewhere.
12646 <i>E 2946</i>	-Zigljen.	44° 34.8' N 14° 57.1' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	23 7	3	Green tower with column and gallery; 16.	Visible 157°-219°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
12646.5 <i>E 2945</i>	--NW. point.	44° 34.9' N 14° 57.4' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	39 12	6	Red framework tower with gallery, concrete base; 21.	Visible 019°-270°.
12647 <i>E 2995.8</i>	-Rt Zali.	44° 36.8' N 14° 54.7' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	30 9	8	White round tower on concrete base; 26.	Visible 091°-308°.
VIRSKO MORE:							
-Otok Pag:							
12648 <i>E 3075</i>	--Uvala Mandre.	44° 29.0' N 14° 54.8' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	23 7	7	White round tower; 16.	
12656 <i>E 3077</i>	--Rt Zaglav.	44° 23.7' N 15° 02.6' E	Fl.(3)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 4.5s	30 9	7	White iron skeleton structure; 16.	
12660 <i>E 3078</i>	--Luka Kosljun, mole, root.	44° 23.8' N 15° 05.0' E	Fl.R.G. period 5s fl. 0.5s, ec. 4.5s	23 7	R. 3 G. 2	Green tower with column and gallery; 16.	G. 353°-027°, R.-353°.
12664 <i>E 3080</i>	--Luka Nova Povljana.	44° 20.9' N 15° 06.1' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	30 9	5	Red iron column; 20.	
12668 <i>E 3082</i>	--Bitve.	44° 19.0' N 15° 07.1' E	Fl.(2)R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	23 7	5	Stone tower on concrete base, upper part red; 20.	
12672 <i>E 3084</i>	--Rt Prutna.	44° 17.5' N 15° 11.1' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Pyramidal stone tower, red upper gallery; 20.	Visible 121°-031°.
12676 <i>E 3083</i>	--Plicina Prutna, shoal, SW. edge.	44° 17.6' N 15° 09.4' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Square stone tower on concrete base, upper part red; 20.	Visible 296°-180°.
12680 <i>E 3087</i>	-Otocic Sikavic Mali, on SE. point.	44° 17.7' N 15° 14.5' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Red metal tower; 16.	
12684 <i>E 3086</i>	-Otocic Misjak, on NW. point.	44° 18.2' N 15° 11.4' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Pyramidal tower with gallery on concrete base, upper part green; 20.	
12688 <i>E 2953</i>	--Pag Luka, near Rt Golija.	44° 26.9' N 15° 03.3' E	Fl.(2)R. period 5s	23 7	7	Red round metal tower; 16.	
12692 <i>E 2954</i>	---S. mole.	44° 26.6' N 15° 03.4' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	2	Red round metal tower; 16.	
12696 <i>E 2951</i>	--Rt Zaglav.	44° 30.2' N 15° 00.6' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	29 9	4	Green round metal tower; 20.	
12700 <i>E 2952</i>	--Rt Sveti Nikola.	44° 28.8' N 15° 02.8' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	33 10	4	Red metal column and hut; 16.	
12704 <i>E 2950</i>	--Rt Kristofor.	44° 29.0' N 15° 05.0' E	Fl.W. period 5s fl. 5s, ec. 4.5s	203 62	7	White octagonal concrete tower; 20.	
12708 <i>E 2960</i>	-Hrid Konj.	44° 25.2' N 15° 13.0' E	Fl.(3)W. period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	23 7	6	White round iron tower; 20.	
12712 <i>E 2962</i>	-Kruscica Dukoba, on Rt Duga.	44° 21.0' N 15° 18.9' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	20 6	5	Red round iron tower; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
12716 <i>E 3088</i>	-Ljubacka Vrata, on Rt Ostrljak, entrance, E. side.	44° 19.4' N 15° 15.8' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	30 9	4	Square stone tower, green day mark; 20.	Visible 335°-213°.
12720 <i>E 3087.4</i>	--Rt Fortica, entrance, W. side.	44° 19.0' N 15° 16.0' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	21 6	3	Square stone tower; 13.	
12724 <i>E 2961</i>	-Rt Debela Nozica.	44° 19.9' N 15° 16.2' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	26 8	6	Pyramidal stone column; 20.	
12728 <i>E 2964</i>	-Otocic Razanac Veli.	44° 18.9' N 15° 21.6' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	52 16	9	White tower, column and gallery; 20.	
12732 <i>E 2966</i>	-Razanac, breakwater, head.	44° 17.1' N 15° 20.8' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	23 7	4	Red tower; 16.	
12736 <i>E 2970</i>	-Starigrad, breakwater, head.	44° 17.6' N 15° 26.6' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Red metal tower; 16.	
12740 <i>E 2972</i>	-Vinjerac, mole, head.	44° 15.6' N 15° 27.8' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	23 7	3	Red tower, pillar and gallery; 16.	Visible 168°-129°.
12744 <i>E 2971</i>	-Rt Pisak.	44° 16.0' N 15° 29.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Red metal tower; 16.	
NOVSKO ZDRILO:							
12748 <i>E 2973</i>	-Rt Baljenica.	44° 14.9' N 15° 31.8' E	Fl.(2)R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	33 10	5	Concrete tower, upper part red; 13.	
12749 <i>E 2972.5</i>	-Rovanjska.	44° 15.0' N 15° 32.2' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	23 7	2	Red tower; 20.	
12752 <i>E 2973.1</i>	-Rt Korotanja.	44° 14.8' N 15° 31.6' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	29 9	2	Green round tower; 16.	
12756 <i>E 2973.3</i>	-Rt Vranine, W. shore.	44° 14.0' N 15° 31.0' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	23 7	2	Green round tower; 18.	
12760 <i>E 2973.4</i>	-Rt Brzac, E. shore.	44° 14.0' N 15° 31.0' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	20 6	2	Red round tower; 16.	
12764 <i>E 2973.6</i>	-Rt Zdrijac, W. shore.	44° 13.2' N 15° 32.5' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	26 8	3	Green round tower; 16.	
NOVIGRADSKO MORE:							
12767 <i>E 2974.3</i>	-Posedarje.	44° 12.4' N 15° 28.5' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	23 7	3	Green tower and gallery; 20.	Visible 263°-189°.
12768 <i>E 2974</i>	-Luka Novigrad, on Rt Sveti Nikola.	44° 11.3' N 15° 33.2' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	33 10	4	Stone tower on concrete dwelling; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
KVARNER:							
12772 <i>E 3044</i>	-Otocic Grujica.	44° 24.6' N 14° 34.4' E	Fl.(3)W. period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 9.5s	56 17	10	Square tower, white dwelling; 49.	Reserve light range 8M.
	-RACON		O(— — —) period 40s		20		
OTOK PREMUDA:							
12780 <i>E 3046</i>	-Otocic Kamenjak, N. head.	44° 21.4' N 14° 35.1' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	39 12	7	White metal tower; 26.	Partly obscured by Kamenjak and Lutrosn Kja Islets.
12784 <i>E 3048</i>	-Luka Krijal, N. mole, head.	44° 20.2' N 14° 35.9' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	20 6	4	White metal column; 16.	
12788 <i>E 3050</i>	-Uvala Loza.	44° 20.8' N 14° 36.4' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	23 7	4	Red tower with column and gallery; 16.	
VIRSKO MORE:							
-Sibanski Kanal:							
--Otok Silba:							
12792 <i>E 3054</i>	---Zalic, mole, head.	44° 22.5' N 14° 41.4' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	20 6	3	White tower, column and gallery; 16.	
12796 <i>E 3058</i>	---Rt Arat.	44° 20.7' N 14° 43.4' E	Q.(6)+L.Fl.W. period 15s	30 9	8	S. CARDINAL YB, tower, topmark; 29.	
12800 <i>E 3052</i>	--Otocic Grebeni.	44° 20.0' N 14° 41.7' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	69 21	6	Stone tower; 13.	
-Olipski Kanal:							
12804 <i>E 3060</i>	--Silbinski Kanal, breakwater, head.	44° 22.5' N 14° 42.5' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	4	Red square tower, column and gallery; 23.	
12808 <i>E 3064</i>	--Otocic Morovnik.	44° 25.9' N 14° 44.3' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	26 8	5	White square stone tower; 26.	
12812 <i>E 3066</i>	--Luka Olib, breakwater, head.	44° 22.8' N 14° 46.7' E	Fl.W.R. period 3s fl. 0.5s, ec. 2.5s	23 7	4	White tower, column and gallery; 20.	R. 144°-165°, W.-144°.
-Pohlibski Kanal:							
12816 <i>E 3072</i>	--Ostrov Skrda, NW. point.	44° 28.9' N 14° 51.2' E	Fl.(3)W. period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 9.5s	49 15	10	Square stone tower on pedestal; 39.	
12820 <i>E 3068</i>	--Otocic Pohlib.	44° 23.7' N 14° 53.8' E	Fl.W. period 5s fl. 5s, ec. 4.5s	52 16	9	Red tower, column and gallery on stone base; 26.	
12824 <i>E 3081</i>	-Otok Vir, on W. side.	44° 18.3' N 15° 01.6' E	Fl.W. period 10s fl. 1s, ec. 9s	69 21	11	Masonry tower; 69.	Visible 315°-163°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
OTOK IST:							
12825 <i>E 3065</i>	-Plić Krizica.	44° 17.7' N 14° 43.9' E	Fl.(2+1)R. period 6s fl. 0.3s, ec. 0.4s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 3.5s	20 6	4	Red tower, green band; 20.	Visible 215°-138°.
12826 <i>E 3089</i>	-Otok Ist.	44° 16.8' N 14° 45.4' E	Fl.(2)W. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	23 7	4	White tower, column and gallery; 20.	
12828 <i>E 3090</i>	-Uvala Siroka, mole, head.	44° 16.3' N 14° 45.8' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	23 7	4	Green round tower, pillar and gallery; 18.	
OTOK MOLAT:							
12832 <i>E 3092</i>	-Rt Vranac.	44° 15.9' N 14° 48.4' E	Fl.W. period 2s fl. 0.3s, ec. 1.7s	43 13	5	White conical metal tower; 26.	
12835 <i>E 3090.5</i>	-Rt Tureta.	44° 15.8' N 14° 47.3' E	Fl.(2)W.R. period 4s fl. 0.5s, ec. 1s fl. 0.5s, ec. 2s	26 8	4	Red tower with gallery, concrete base; 16.	R. 242°-024°, W.-041°, R.-082°.
12836 <i>E 3093</i>	-Rt Bonaster, Otok Molat, SW. point.	44° 12.0' N 14° 50.6' E	Fl.(4)W. period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	39 12	9	White pyramidal stone tower; 20.	
12844 <i>E 3094.4</i>	-Otocic Golac, on N. shore.	44° 11.4' N 14° 51.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	39 12	6	White metal tower; 16.	Visible 066°-280°.
12848 <i>E 3097.4</i>	-Otocic Trata.	44° 12.8' N 14° 55.2' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	33 10	6	Red metal tower with post; 20.	
12852 <i>E 3096</i>	-Otocic Vrtlac.	44° 12.1' N 14° 55.8' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	23 7	5	White metal tower; 16.	
12856 <i>E 3095</i>	Otocic Tun Mali.	44° 11.5' N 14° 54.1' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	27 8	3	Red metal tower; 16.	
12860 <i>E 3097</i>	-Otok Tun Veli.	44° 11.4' N 14° 54.5' E	Fl.W.G. period 5s fl. 0.5s, ec. 4.5s	88 27	W. G. 7 4	White conical metal tower; 23.	W. 213°-223°, 092°-099°30', G. elsewhere.
DUGI OTOK:							
12864 <i>E 3098</i>	-Rt Veli Rat.	44° 09.0' N 14° 49.4' E	Fl.(2)W. period 20s fl. 0.8s, ec. 4.4s fl. 0.8s, ec. 14s	134 41	22	Brown tower, dwelling and gallery; 118.	Reserve light range 10M.
12868 <i>E 3099</i>	-Zaliv Pantera, Rt Tanki.	44° 09.1' N 14° 50.9' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	23 7	3	Red tower, column and gallery; 20.	Visible 189°-120°. Fl.G. 3s 6m 3M beacon marks entrance NE.
12870 <i>E 3099.5</i>	-Zverinacki Kanal.	44° 10.3' N 14° 52.7' E	Fl.(2)W. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	21 6	4	White round concrete tower, column and gallery, concrete base; 16.	Visible 132°-318°.
12872 <i>E 3134</i>	-Otocic Sestrice.	43° 51.2' N 15° 12.5' E	Fl.W. period 8s fl. 1s, ec. 7s	154 47	20	White tower, red spiral stripes and dwelling; 85.	Reserve light range 12M.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
12874 <i>E 3133.5</i>	-Rt Vidilica.	43° 52.0' N 15° 12.0' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	33 10	3	Red tower; 20.	Visible 180°-355°.
12874.5 <i>E 3133</i>	-Hrid Skoljic.	43° 53.0' N 15° 12.6' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	20 6	3	Green tower, column and gallery on submerged base; 16.	Visible 014°-216°.
12875 <i>E 3132.8</i>	-Rt Proversa.	43° 53.3' N 15° 12.6' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	30 9	3	Red tower; 20.	
12875.5 <i>E 3132.5</i>	-Rt Cuska.	43° 53.8' N 15° 13.5' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	30 9	3	Red tower; 20.	Visible 180°-028°.
SREDNJI KANAL:							
-Dugi Otok:							
12876 <i>E 3100</i>	--Bozava, on Rt Sv. Nedjela.	44° 08.5' N 14° 54.9' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	4	White tower, column and gallery; 16.	
12877 <i>E 3121.3</i>	--Otocic Utra.	44° 05.3' N 14° 59.5' E	Fl.(2)G. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	23 7	4	Green tower, column and gallery; 20.	
12878 <i>E 3121.5</i>	--Rt Kamik.	44° 05.2' N 15° 00.0' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	26 8	3	Red tower, gallery; 16.	
12879 <i>E 3121.7</i>	--Lucina.	44° 05.0' N 15° 00.2' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Red tower with pillar and gallery; 16.	
12880 <i>E 3122</i>	--Brbinj, on Rt Koromasnjak.	44° 04.5' N 15° 00.9' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	36 11	4	White metal tower; 20.	
12884 <i>E 3120</i>	-Otok Rava, on Rt Garmina.	44° 01.4' N 15° 03.6' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	20 6	4	Green tower, column and gallery; 16.	
12888 <i>E 3119</i>	-Otocic Maslinovac.	44° 00.2' N 15° 05.7' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	95 29	4	White metal tower and post; 16.	
12892 <i>E 3124</i>	--Uvala Zmanskica.	43° 58.3' N 15° 07.3' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	20 6	4	Green round tower, column and gallery; 18.	
12897 <i>E 3127</i>	--Harbor, E. head.	43° 56.2' N 15° 10.0' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Green round metal tower, pillar and gallery; 18.	
12898 <i>E 3127.4</i>	---N. side of reef.	43° 57.0' N 15° 09.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	33 10	4	Red round tower; 18.	
12902 <i>E 3131</i>	--S. breakwater, head.	43° 56.1' N 15° 10.4' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	23 7	3	Red tower, pillar and gallery.	
12904 <i>E 3132</i>	-Otok Lavdara.	43° 56.8' N 15° 12.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	26 8	5	White tower, column and gallery; 20.	Visible 005°-276°.
12906 <i>E 3132.3</i>	-Otocic Lavdara.	43° 54.9' N 15° 13.9' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	33 10	8	White tower; 20.	
12908 <i>E 3106</i>	--Otocic Tri Sestrice, on SE. islet.	44° 10.3' N 15° 01.9' E	Fl.(2)W.R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	52 16	W. 8 R. 6	Square stone tower and dwelling; 52.	R. 225°-234°, W. elsewhere.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
12912 <i>E 3107</i>	--Otok Rivanj, on Rt Zanavin.	44° 10.0' N 15° 01.5' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	4	White metal tower; 16.	Visible 349°-209°.
12916 <i>E 3107.2</i>	---Harbor, mole, head.	44° 09.2' N 15° 02.1' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	4	White metal tower; 16.	
12918 <i>E 3107.5</i>	-Rt Rivanjski.	44° 08.5' N 15° 03.4' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	26 8	4	Red tower, column and gallery tower; 20.	Visible 172°-091°.
12920 <i>E 3108</i>	--Otok Sestrunj, on Rt Trska.	44° 08.8' N 15° 01.7' E	Fl.(4)W. period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	33 10	10	Square stone tower; 26.	Obscured from 323° by Otocica Parenak.
12922 <i>E 3121</i>	--Plicina Beli.	44° 05.3' N 15° 02.5' E	Fl.(3)W. period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4.5s	23 7	6	White tower, column and gallery; 20.	Obscured 267°-326°.
12924 <i>E 3110</i>	--Iz Veli.	44° 03.1' N 15° 07.0' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	20 6	4	Red tower, column and gallery; 16.	
12928 <i>E 3112</i>	--Uvala Komaseva, mole, head.	44° 01.7' N 15° 08.7' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	20 6	4	Red round tower, column and gallery; 16.	
12932 <i>E 3115</i>	-Otocic Mrtovnjak.	44° 00.7' N 15° 10.8' E	Fl.(2)R. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	89 27	7	White metal tower; 16.	
12936 <i>E 3116</i>	-Otocic Karantunic.	44° 00.5' N 15° 14.7' E	Fl.(3)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 4.5s	98 30	9	Red round tower; 18.	
12938 <i>E 3116.3</i>	-Shoal beacon.	43° 56.8' N 15° 15.5' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	20 6	3	ISOLATED DANGER BRB, mast, topmark.	
12940 <i>E 3116.2</i>	-Otocic Balabra Vela.	43° 56.7' N 15° 17.1' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	33 10	5	Square stone tower; 13.	Visible 090°-313°.
12944 <i>E 3116.4</i>	-Hrid Galigolica.	43° 52.7' N 15° 22.5' E	Fl.(2)R. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	36 11	7	Square stone tower; 26.	Visible 155°-325°.
12948 <i>E 3117</i>	-Otocic Kosara, W. head.	43° 53.0' N 15° 24.4' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	36 11	11	White tower, column and gallery on pedestal; 23.	
12952 <i>E 3106.4</i>	-Plicina Sajda.	44° 11.2' N 15° 02.4' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	10 3	5	ISOLATED DANGER BRB, tower, topmark.	
12954 <i>E 3150</i>	-Rt Sveti Petar.	44° 09.5' N 15° 03.8' E	Fl.(2)G. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	23 7	4	Green tower, column and gallery on submerged base; 20.	Visible 020°-302°.
12954.5 <i>E 3151</i>	--Rt Sveti Petar, SW.	44° 09.2' N 15° 03.5' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	23 7	3	Green tower, column and gallery on submerged base; 20.	Visible 344°-200°.
12956 <i>E 3152</i>	-Ugljan.	44° 07.8' N 15° 06.3' E	Fl.(2)R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	20 6	4	Red tower, column and gallery; 16.	Visible 220°-286° and 352°-090°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
12960 <i>E 3154</i>	--Lukoran, quay, N. head.	44° 06.3' N 15° 09.4' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	20 6	3	Red tower, column and gallery; 16.	Obscured 168°-018°.
12964 <i>E 3156</i>	--Sutomiscica, on Rt Sveti Grgur.	44° 06.1' N 15° 10.4' E	Fl.(2)R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	23 7	4	Red tower on submerged base; 20.	
12968 <i>E 3157</i>	--Poljana, on the shoal.	44° 05.5' N 15° 11.6' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	23 7	3	Green tower, column and gallery on submerged base; 16.	
12972 <i>E 3158</i>	--Preko, breakwater, head.	44° 04.9' N 15° 11.4' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Red tower, column and gallery; 16.	Visible 205°-125°.
12976 <i>E 3160</i>	--Otocic Osijak, NE. point.	44° 04.8' N 15° 13.0' E	Fl.(4)W. period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	36 11	8	Red tower on submerged base; 30.	
12980 <i>E 3164</i>	--Kali, E. mole, head.	44° 04.0' N 15° 12.4' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	23 7	3	Red tower with column and gallery; 16.	
12984 <i>E 3165</i>	--Gazemica.	44° 05.2' N 15° 16.2' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	4	Round tower, column and gallery; 16.	
12985 <i>E 3166</i>	--Kukljica.	44° 02.1' N 15° 15.4' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	4	Green tower, column and gallery; 16.	
12986 <i>E 3167</i>	---Mole, head.	44° 02.0' N 15° 15.1' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	23 7	4	Red tower, column and gallery; 16.	
12988 <i>E 3140</i>	-Luka Petrcane, on Rt Radman.	44° 10.9' N 15° 09.6' E	Fl.W.R. period 3s fl. 0.3s, ec. 2.7s	20 6	W. R.	7 4	Square masonry tower; 16. R. 141°-262°, W. elsewhere.
12992 <i>E 3142</i>	-Ostri Rat.	44° 07.8' N 15° 12.5' E	Fl.(3)W. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6.5s	46 14	15	Stone tower, spinal staircase; 46.	Reserve light range 7M.
12996 <i>E 3144</i>	-Zadar, breakwater, head.	44° 07.2' N 15° 13.8' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	20 6	4	Masonry tower, red cupola; 16.	
13000 <i>E 3148</i>	--Istarske Obala, NW. side.	44° 07.2' N 15° 13.6' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	20 6	4	Masonry tower, green cupola; 16.	
13003 <i>E 3167.5</i>	-Otocic Misnjak.	44° 01.6' N 15° 15.9' E	Fl.(2)W. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	23 7	8	White tower, gallery on submerged base; 20.	
13004 <i>E 3168</i>	-Sukosan, on Rt Podvara.	44° 02.7' N 15° 17.9' E	Fl.W.R. period 5s fl. 0.5s, ec. 4.5s	20 6	W. R.	8 5	White square tower on submerged base; 16. R. 207°-318°, W. elsewhere.
PASMANSKI KANAL:							
-Otok Pasman:							
13010 <i>E 3172</i>	--Nevidane.	43° 58.8' N 15° 20.9' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	4	Red tower, column and gallery; 16.	
13012 <i>E 3179</i>	--Luka Pasman, E. mole, head.	43° 57.4' N 15° 23.6' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	4	Green round tower, column and gallery; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
13016 <i>E 3174</i>	-Otocic Galesnjak, shoal on S. side.	43° 58.5' N 15° 23.4' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	4	Green tower, column and gallery on submerged base; 16.	
13020 <i>E 3175</i>	-Otocic Ricul, S. point.	43° 58.5' N 15° 23.7' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	26 8	5	White tower, column and gallery; 16.	
13024 <i>E 3176</i>	-Otocic Kormonik, NE. point.	43° 58.1' N 15° 24.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Red tower, column and gallery on submerged base; 16.	
13028 <i>E 3177</i>	-Plicina Minerva.	43° 57.9' N 15° 24.6' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	4	Green tower, column and gallery on submerged base; 16.	
13029 <i>E 3178</i>	-Turanj.	43° 57.9' N 15° 24.8' E	Fl.(2)G. period 5s fl. 0.3s, ec. 1s fl. 0.3s, ec. 3.4s	23 7	4	Green tower, column and gallery; 16.	
13032 <i>E 3180</i>	-Otocic Babac, W. point.	43° 57.4' N 15° 24.0' E	Fl.(2)W. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	23 7	10	Masonry tower on hut; 20.	Reserve light range 7M.
13036 <i>E 3181</i>	--E. point.	43° 57.3' N 15° 25.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Red tower, column and gallery on submerged base; 16.	
13040 <i>E 3183</i>	-Plicina Kocerka.	43° 57.2' N 15° 25.6' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	4	Green metal tower, column and gallery on submerged; 16.	
13044 <i>E 3184</i>	-Otocic Planac, N. point.	43° 56.3' N 15° 26.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Red metal tower.	Obscured 321°-051° by Otocic Sv. Katerina.
13048 <i>E 3186</i>	-Otocic Cavatul, off NE. extremity.	43° 56.4' N 15° 25.1' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	28 9	4	Green narrow tower, gallery on submerged base; 26.	
13052 <i>E 3185</i>	-Biograd, NW. mole, head.	43° 56.2' N 15° 26.6' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	5	White metal tower; 16.	
13056 <i>E 3188</i>	-Otocic Sv. Katarina, SW. point.	43° 55.9' N 15° 26.0' E	Fl.(2)W. period 8s fl. 0.5s, ec. 2s fl. 0.5s, ec. 5s	28 9	8	White round tower on concrete base; 16.	Visible 309°-142°.
13058 <i>E 3191</i>	-Tkon.	43° 55.3' N 15° 25.6' E	Fl.(2)R. period 5s fl. 0.3s, ec. 1s fl. 0.3s, ec. 3.4s	23 7	4	Red tower, pillar and gallery; 16.	
13060 <i>E 3193</i>	-Otocic Ostarije, LIGHTS, island, S. side.	43° 54.7' N 15° 28.4' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	23 7	7	White metal tower, gallery on submerged base; 16.	Visible 292°-140°.
13062 <i>E 3194</i>	-Pakostane.	43° 54.3' N 15° 30.8' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	23 7	4	Green tower, pillar and gallery; 16.	
13063 <i>E 3197</i>	Vrgada.	43° 51.5' N 15° 30.2' E	Fl.(2)R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	23 7	3	Red tower, pillar and gallery; 20.	Obscured 290°-343°, 155°-183°.
13064 <i>E 3196</i>	Otocici Artice.	43° 52.0' N 15° 31.9' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	24 7	7	White round tower, gallery on pedestal; 20.	Visible 302°-228°.
PIROVACKI ZALIV:							
13068 <i>E 3205</i>	-Plicina Kusija.	43° 51.6' N 15° 33.4' E	Q.(6)+L.Fl.W. period 15s	20 6	5	S. CARDINAL YB, tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
13072 <i>E 3214</i>	-Pirovac, quay, S. head.	43° 49.1' N 15° 40.3' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	20 6	3	Green tower, column and gallery; 16.	
13076 <i>E 3202</i>	Otocic Prisnjak, near W. extremity.	43° 49.6' N 15° 33.8' E	Fl.(3)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 4.5s	62 19	9	Stone tower; 49.	Visible 249°-146°.
13080 <i>E 3200</i>	Hrid Misine (Kamicac).	43° 48.8' N 15° 34.2' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	29 9	5	Red tower, column and gallery on pedestal; 16.	
13084 <i>E 3206</i>	-Hramina, head of mole, N. side of Otok Murter.	43° 49.4' N 15° 35.7' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	2	Red tower, column and gallery; 16.	
13088 <i>E 3204</i>	-Otocic Tegina, NE. point.	43° 50.2' N 15° 35.7' E	Fl.W. period 2s fl. 0.3s, ec. 1.7s	23 7	4	White round tower, metal column and gallery on pedestal; 16.	
MURTERSKE KANAL:							
13092 <i>E 3208</i>	-Betina, landing mole, head.	43° 49.3' N 15° 36.6' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	23 7	3	Green round tower, column and gallery; 18.	
13096 <i>E 3212</i>	-Rt Rat.	43° 49.5' N 15° 36.6' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	32 10	5	White tower; 30.	
13104 <i>E 3218</i>	--Mole, head.	43° 47.8' N 15° 39.0' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	23 7	4	Red tower, column and gallery; 16.	
13112 <i>E 3234</i>	-Greben Bacvica.	43° 44.9' N 15° 42.1' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	26 8	3	ISOLATED DANGER BRB, tower, topmark; 16.	
13116	- <i>Plicina Mijoka Buoy.</i>	43° 45.3' N 15° 39.9' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s		5	ISOLATED DANGER BRB, pillar, topmark.	
13120 <i>E 3220</i>	-Otocic Maslinjak.	43° 46.1' N 15° 41.0' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	57 17	3	White conical tower, gallery; 23.	Visible 282°-195°.
13124 <i>E 3219</i>	Rt Murteric, SW. side of Otok Murter.	43° 46.6' N 15° 37.6' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	62 19	3	White tower, column and gallery; 20.	
13128 <i>E 3224</i>	Otocic Kukuljari, E. islet.	43° 45.6' N 15° 38.3' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	36 11	10	White tower, column and gallery on concrete base; 40.	
13132 <i>E 3222</i>	Sv. Nikola, head of mole (Otok Murter).	43° 46.6' N 15° 38.1' E	Fl.G. period 5s fl. 0.3s, ec. 4.7s	16 5	4	Green tower, column and gallery; 13.	
13136 <i>E 3225</i>	Otok Smokvica Vela, island, N. point.	43° 44.1' N 15° 28.6' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	43 13	5	White square stone tower; 26.	
13138 <i>E 3225.1</i>	Otocic Babina Guzica.	43° 42.6' N 15° 29.3' E	Fl.(2)G. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	23 7	5	Green tower; 20.	Obscured 140°-215°.
13140 <i>E 3225.2</i>	Otocic Mrtovnjak.	43° 42.5' N 15° 32.4' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	39 12	10	Quadrangular stone tower; 26.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
13142 <i>E 3225.3</i>	Cavlin Shoal.	43° 44.5' N 15° 33.7' E	Fl.(2)W. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	23 7	6	ISOLATED DANGER BRB, beacon, topmark; 20.	
13143 <i>E 3229.75</i>	Hrid Mala Mare.	43° 42.8' N 15° 38.0' E	Fl.(2)W. period 8s fl. 0.5s, ec. 2s fl. 0.5s, ec. 5s	26 8	5	ISOLATED DANGER BRB, beacon, topmark; 20.	
APPROACHES TO SIBENIK:							
13144 <i>E 3231</i>	-Otok Tijat, on Rt Tijascica.	43° 42.4' N 15° 46.6' E	Fl.(3)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 4.5s	42 13	7	Stone tower; 26.	Visible 265°-128°.
13148 <i>E 3230.5</i>	Obonjon.	43° 40.7' N 15° 47.4' E	Fl.(3)R. period 7s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3.5s	20 6	4	Red tower column and gallery; 16.	
13152 <i>E 3230</i>	Plicina Sestre, in Zlarinski Kanal.	43° 41.1' N 15° 48.9' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	26 8	4	ISOLATED DANGER BRB, tower, topmark; 16.	
13156 <i>E 3240</i>	-Otok Prvic, Uvala Prvicluka, mole, head.	43° 43.4' N 15° 48.1' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	23 7	3	Green tower, pillar and gallery; 16.	
13160 <i>E 3238</i>	--Pric Sepuriue, mole, head.	43° 44.0' N 15° 47.3' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	20 6	3	Green tower, column and gallery; 16.	Visible 337°-129°.
LUKA SIBENIK:							
-Sibenski Kanal:							
13164 <i>E 3232</i>	--Tribunj.	43° 45.2' N 15° 44.7' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	23 7	3	Green tower with column and gallery; 16.	
13164.4 <i>E 3232.5</i>	--Breakwater, head.	43° 45.1' N 15° 44.8' E	Fl.(2)G. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	20 6	4	Green tower, column and gallery; 16.	Visible 273°-136°.
13168 <i>E 3236</i>	--Vodice, S. mole, head.	43° 45.4' N 15° 46.7' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	23 7	3	Red tower, column and gallery; 16.	Visible 309°-256°.
-Sibenska Vrata:							
13172 <i>E 3244</i>	--Luka Zlarin, mole, head.	43° 42.0' N 15° 50.2' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	26 8	2	White square tower, column with gallery; 23.	
13176 <i>E 3243</i>	--Rt Konj, Otok Lupac, SE. point.	43° 42.9' N 15° 49.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	2	Red tower, column and gallery; 16.	
13180 <i>E 3242</i>	--Plicina Rozenik.	43° 42.8' N 15° 49.8' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	23 7	6	Green tower, column and gallery on submerged base; 16.	
13184 <i>E 3248</i>	--Rt Jadrija, entrance, N. side.	43° 43.3' N 15° 51.1' E	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	36 11	9	Stone tower, gallery and dwelling; 39.	Visible 160°-098°. Reserve light range 6M. Nautophone: 2 bl. ev. 20s.
-Kanal Sv Ante:							
13188 <i>E 3250</i>	--Hrid Rocni, entrance, S. side.	43° 43.2' N 15° 51.4' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Green tower, column and gallery on submerged base; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
13192 <i>E 3251</i>	--Fort Sv. Nikola, NW. side.	43° 43.0' N 15° 51.0' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	19 6	4	Green round tower; 13.	Visible 045°-234°.
13196 <i>E 3256</i>	--Rt Debeli, N. side.	43° 43.5' N 15° 51.6' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	21 6	1	Red tower, column and gallery on submerged base; 16.	Visible 240°-050°.
13200 <i>E 3252</i>	--Rt Senisna, S. shore.	43° 43.5' N 15° 51.6' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	26 8	1	Green round tower, gallery on submerged base; 23.	
13204 <i>E 3260</i>	--Rt Svet Ante, S. shore.	43° 43.6' N 15° 52.4' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	29 9	4	Green round tower with gallery on pedestal; 23.	
13208 <i>E 3262</i>	--Rt Svet Kriz, N. shore.	43° 43.7' N 15° 52.8' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	23 7	1	Red round tower with gallery on pedestal; 16.	Visible in Luka Sibenik 243°- 027°.
13212 <i>E 3258</i>	--Rt Baba, N. shore.	43° 43.7' N 15° 52.4' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	20 6	1	Red tower, column and gallery; 16.	
13216 <i>E 3263</i>	--Rt Juzni Turan, S. shore.	43° 43.7' N 15° 53.2' E	Fl.(2)G. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	26 8	3	Green metal tower, column and gallery; 16.	
13220 <i>E 3264</i>	--Plicini Paklena.	43° 43.7' N 15° 53.2' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	19 6	3	Green tower, column and gallery on submerged base; 16.	
13224 <i>E 3266</i>	-Sibenik, on Gata Krk.	43° 44.0' N 15° 53.6' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	23 7	4	White tower, column and gallery; 16.	
13230 <i>E 3265.5</i>	-Sipad.	43° 43.3' N 15° 54.2' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	23 7	3	Red tower, column and gallery; 16.	
13232 <i>E 3267</i>	-Gata Martinska, S. corner.	43° 44.3' N 15° 52.7' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	20 6	2	Red tower with column and gallery; 16.	Rijecka Krka is marked by lights shown from shore points.
13234 <i>E 3267.5</i>	-Rt Vela Kapela.	43° 45.8' N 15° 51.1' E	Fl.G. period 2s fl. 0.3s, ec. 2.7s	23 7	3	Green round tower, column; 10.	
SIBENSKI KANAL:							
13236 <i>E 3277</i>	-Plicina Krapanj.	43° 41.2' N 15° 54.1' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	23 7	2	Red tower, column and gallery on submerged base; 16.	Visible 080°-313°.
13240 <i>E 3278</i>	-Otok Kraprnj, mole, head.	43° 40.4' N 15° 55.4' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	21 6	2	Red tower, column and gallery; 16.	Visible 134°-356°.
13248 <i>E 3279</i>	-Otok Krbela Vela, SE. point.	43° 39.4' N 15° 55.3' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	23 7	4	Red tower column and gallery; 16.	Visible 147°-057°.
13252 <i>E 3280</i>	-Rt Ostrica Vela.	43° 38.9' N 15° 54.4' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	30 9	3	White tower, column and gallery; 16.	
13256 <i>E 3276</i>	-Otoci Dvainka, NW. point.	43° 39.4' N 15° 53.0' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	25 8	8	Square stone tower; 16.	Visible 326°-172°.
13258 <i>E 3276.6</i>	-Zablance, breakwater, head.	43° 42.3' N 15° 52.2' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	20 6	4	Green tower, column and gallery; 16.	
13259 <i>E 3276.7</i>	--Solaris Marina.	43° 41.9' N 15° 52.6' E	Fl.(2)G. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	20 6	3	Green column on pedestal; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
13260 <i>E 3275</i>	-Rt Rat, Otok Zlarin, SE. extremity.	43° 39.6' N 15° 52.4' E	Fl.(2)W. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	39 12	6	Square stone tower; 26.	Visible 180°-045°.
13264 <i>E 3275.5</i>	-Otocic Drvenik.	43° 40.3' N 15° 52.8' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	20 6	4	White tower, column and gallery; 16.	
13268 <i>E 3274</i>	Otocic Komorica, S. entrance to Zlarinski Kanal.	43° 39.0' N 15° 50.7' E	Fl.(2)R. period 8s fl. 0.5s, ec. 2s fl. 0.5s, ec. 5s	36 11	5	White tower, gallery; 23.	Visible 080°-328°.
13272 <i>E 3229.5</i>	Otok Zmajan, on Rt Sir.	43° 40.9' N 15° 46.6' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	33 10	2	White square tower on pedestal; 16.	
13276 <i>E 3228.5</i>	Otok Kaprije, on Rt Lemes.	43° 40.2' N 15° 43.6' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	3	White square tower on pedestal; 13.	
13280 <i>E 3229</i>	-Luka Kaprije, quay, head.	43° 41.4' N 15° 42.8' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	21 6	3	White tower, column and gallery; 20.	
13284 <i>E 3229.7</i>	Otok Kakan, SE. extremity.	43° 40.8' N 15° 41.9' E	Fl.(2)R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	26 8	4	White square tower on pedestal; 13.	
13286 <i>E 3226.5</i>	Otocic Raparasnjak.	43° 40.9' N 15° 35.2' E	Fl.W. period 4s fl. 0.5s, ec. 3.5s	69 21	7	White tower; 16.	Obscured 334°-350°.
13288 <i>E 3229.8</i>	Brak Prascica.	43° 40.5' N 15° 38.9' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	20 6	7	ISOLATED DANGER BRB, tower, topmark; 13.	
13292 <i>E 3227</i>	Otok Zirje, on Rt Muna.	43° 40.0' N 15° 39.7' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	30 9	2	Red tower, column with gallery; 16.	Fl.G. 3s 4M shown 300 meters S.
13296 <i>E 3229.2</i>	Otocic Ravan.	43° 39.6' N 15° 44.5' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	39 12	10	Quadrangular stone tower; 26.	
13298 <i>E 3227.7</i>	-Rasohe.	43° 37.6' N 15° 43.9' E	Fl.(2)R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	23 7	5	Red beacon; 20.	Visible 188°-061°.
13300 <i>E 3228</i>	Otocic Hrbosnjak.	43° 38.8' N 15° 44.5' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	81 25	5	Red tower, gallery; 16.	
13304 <i>E 3226</i>	Otocic Blitvenica.	43° 37.5' N 15° 34.8' E	Fl.(2)W. period 30s fl. 1.2s, ec. 6.6s fl. 1.2s, ec. 21s	125 38	24	Stone tower, dwelling; 69.	Reserve light range 12M.
13308 <i>E 3283</i>	Primosten, mole, head.	43° 35.1' N 15° 55.2' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	26 8	3	Red square tower, column and gallery; 23.	
13312 <i>E 3284</i>	-Vojske, on W. mole, head.	43° 35.1' N 15° 56.0' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	23 7	3	Red tower, column and gallery; 16.	Visible 259°-154°.
13316 <i>E 3282</i>	-Rt Kremik.	43° 34.5' N 15° 55.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	33 10	8	White tower; 26.	Visible 339°-197°.
13318 <i>E 3285.5</i>	--SE. point.	43° 33.9' N 15° 56.0' E	Fl.(2)R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	39 12	3	Red tower on pedestal; 16.	Obscured 110°-220°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
13319 <i>E 3285.51</i>	Rt Zecevo.	43° 33.5' N 15° 55.5' E	Fl.(2)G. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	20 6	3	Green tower on pedestal; 16.	Visible 357°-248°.
13320 <i>E 3285</i>	Plicina Peles, on reef.	43° 33.9' N 15° 54.6' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	26 8	5	Red tower, column and gallery; 23.	
13322 <i>E 3286.5</i>	Greban Grbavac.	43° 33.6' N 15° 53.0' E	Fl.(2)W. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	23 7	7	ISOLATED DANGER BRB, tower, topmark; 16.	
13324 <i>E 3286</i>	Hrid Mulo.	43° 30.9' N 15° 55.4' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	75 23	21	Masonry tower attached to dwelling; 58.	Reserve light range 12M.
LUKA ROGOZNICA:							
13328 <i>E 3288</i>	-Rt Gradina.	43° 31.3' N 15° 58.0' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	50 15	4	Red square tower; 13.	Visible 248°-173°.
13332 <i>E 3290</i>	-Uvala Razanj, entrance, E. side.	43° 30.7' N 15° 58.8' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	22 7	3	Red tower, column and gallery; 20.	Visible 128°-144°.
13336 <i>E 3287</i>	-Hrid Kalebinjak, E. of Otocic Smokvica.	43° 30.8' N 15° 57.1' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	23 7	3	ISOLATED DANGER BRB, tower, topmark; 13.	
13340 <i>E 3292</i>	-Pier, outer head.	43° 31.6' N 15° 58.5' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	23 7	3	Green tower, column and gallery; 16.	
13344 <i>E 3293</i>	Otocic Muljica.	43° 28.4' N 16° 01.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	49 15	5	White tower, column and gallery; 16.	
13346 <i>E 3292.5</i>	Rt Ploca.	43° 29.6' N 15° 58.1' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	30 9	5	Green tower, gallery on pedestal; 26.	Visible 288°-198°.
DRVENICKI KANAL:							
13348 <i>E 3294</i>	-Otocic Velika Murvica.	43° 28.0' N 16° 03.4' E	L.Fl.R. period 8s fl. 2s, ec. 6s	49 15	7	Square stone tower, dwelling; 23.	Reserve light range 6M. Siren: 1 bl. ev. 30s (bl. 4s, si. 26s).
13352 <i>E 3295</i>	-Otok Drvenik Mali, on Rt Pasika.	43° 27.3' N 16° 04.6' E	Fl.(4)W. period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	36 11	7	Square stone tower on pedestal; 33.	
-Otok Drvenik Mali:							
13356 <i>E 3295.4</i>	--Uvala Borak, pier.	43° 27.0' N 16° 05.5' E	Fl.W.R. period 3s fl. 0.3s, ec. 2.7s	20 6	W. 4 R. 2	White tower, column and gallery; 16.	W. 028°-252°, R.-258°, W.- 298°.
13358 <i>E 3295.7</i>	-Otocic Malta.	43° 27.2' N 16° 06.7' E	Fl.(2)W. period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6s	36 11	5	White tower, gallery; 23.	
13360 <i>E 3296</i>	-Luka Drvenik, E. shore.	43° 27.0' N 16° 08.7' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	20 6	4	Red tower, column and gallery; 16.	
13364 <i>E 3297</i>	-Rt Artatur.	43° 28.7' N 16° 08.1' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	4	Square stone tower on pedestal; 13.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
TROGIRSKI ZALIV:							
13368 <i>E 3298</i>	-Hrid Galera.	43° 28.3' N 16° 11.5' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	26 8	10	White tower on pedestal; 16.	
13370 <i>E 3331.5</i>	-Plicina Mlin.	43° 27.0' N 16° 14.4' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	23 7	8	ISOLATED DANGER BRB, beacon, topmark.	
13372 <i>E 3299</i>	-Balkun, rock, entrance.	43° 28.5' N 16° 12.2' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Red tower on pedestal; 16.	
13376 <i>E 3299.4</i>	-Zaporinovac, islet, entrance.	43° 28.7' N 16° 12.9' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Green tower on pedestal; 16.	
13380 <i>E 3300</i>	-Rt Okruk.	43° 29.8' N 16° 12.4' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	20 6	5	Green tower on submerged base; 16.	
13384 <i>E 3302</i>	-Hrid Celice.	43° 30.0' N 16° 12.0' E	Fl.(3)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 4.5s	49 15	6	White conical tower, gallery on pedestal; 23.	
13388 <i>E 3304</i>	-Zaliv Marina, Rt Pasji Rat.	43° 30.6' N 16° 08.1' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	25 8	4	White conical tower, gallery on pedestal; 23.	
13392 <i>E 3306</i>	-Pier.	43° 30.8' N 16° 06.7' E	Fl.(2)G. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	23 7	4	Green tower with column and gallery; 16.	
13396 <i>E 3308</i>	-Rt Cubrijan, Trogirski Kanal, entrance, S. side.	43° 30.7' N 16° 14.6' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	26 8	4	Green tower, column and gallery; 16.	
13400 <i>E 3314</i>	-Slatine, mole, head.	43° 30.0' N 16° 20.4' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	20 6	3	Red tower, column and gallery; 16.	
LUKA SPLIT:							
13408 <i>E 3349</i>	-Breakwater, head.	43° 30.1' N 16° 26.2' E	L.Fl.G. period 6s fl. 2s, ec. 4s	36 11	10	Green tower with gallery on house; 33.	Obscured 252°-285°. 2 F.R. in line 334° mark pipeline 0.4 mile E. Reserve light range 5M. Siren: 1 bl. ev. 30s (bl. 4s, si. 26s).
13416 <i>E 3350</i>	--W. breakwater, head.	43° 30.0' N 16° 26.1' E	Fl.R. period 6s fl. 0.5s, ec. 5.5s	29 9	5	Red round tower with gallery; 20.	Visible 139°-020°.
13418 <i>E 3351</i>	--Inner breakwater.	43° 30.3' N 16° 25.8' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	20 6	3	Red structure, column and glass control building; 16.	Visible 016°-312°.
13420 <i>E 3354</i>	-Gat Sv Petra.	43° 30.3' N 16° 26.3' E	Fl.(3)W. period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4.5s	30 9	3	White tower; 26.	
13424 <i>E 3356</i>	-Gat Listopada, SW. corner.	43° 30.4' N 16° 26.5' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	26 8	4	White square tower, column and gallery; 16.	
13426 <i>E 3348</i>	-Zenta, E. mole, head.	43° 30.0' N 16° 27.5' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	30 9	4	White post on concrete base; 23.	Obscured 165°-263°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
13427 <i>E 3331.2</i>	-Rt Ciovo.	43° 29.3' N 16° 23.5' E	Fl.(2)W. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	30 9	7	White tower with gallery on concrete base; 23.	
KASTELANSKI ZALIV:							
13428 <i>E 3331</i>	-Rt Marjan, E. entrance point, mole, head.	43° 30.5' N 16° 23.6' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	25 8	6	Green square stone tower, column and gallery; 20.	Visible 290°-210°.
13432 <i>E 3316</i>	-Divulje, mole, head.	43° 31.5' N 16° 17.7' E	Fl.G. period 5s fl. 1s, ec. 4s	23 7	4	Green tower with column; 16.	
13433 <i>E 3316.5</i>	-Breakwater, head.	43° 31.7' N 16° 18.1' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	20 6	4	Green tower, column and gallery; 16.	
13434 <i>E 3318</i>	Kastel Stari.	43° 33.0' N 16° 21.0' E	Fl.(2)G. period 4s fl. 0.5s, ec. 1s fl. 0.5s, ec. 2s	20 6	4	Green tower with gallery; 16.	
13436 <i>E 3327</i>	-Lora, N. breakwater, head.	43° 31.7' N 16° 25.7' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	23 7	3	Stone tower, red gallery; 16.	
13440 <i>E 3328</i>	--W. breakwater, head.	43° 31.6' N 16° 25.7' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	23 7	3	Stone tower, green gallery; 16.	
13444 <i>E 3328.4</i>	-Hrid Skoljic.	43° 31.3' N 16° 25.2' E	Fl.(2)G. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	24 7	4	Green tower; 7.	
13446 <i>E 3328.6</i>	-Poljud, N. pier.	43° 31.3' N 16° 25.4' E	Fl.W. period 4s fl. 0.5s, ec. 3.5s	20 6	3	White tower with gallery; 16.	
13448 <i>E 3323</i>	-Hridi Galija.	43° 31.9' N 16° 25.3' E	Fl.R.G. period 3s fl. 0.3s, ec. 2.7s	26 8	R. G. 4 3	Round structure; 28.	G. 061°-103°, R.-061°.
13452 <i>E 3324</i>	-Plicina Silo, NE. of Rt Rat.	43° 31.9' N 16° 26.1' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	23 7	7	ISOLATED DANGER BRB, tower, topmark.	
13464 <i>E 3325</i>	-On rock SW. of Otocic Barbarinac.	43° 32.1' N 16° 27.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	33 10	5	Red tower with column and gallery on stone base; 20.	
13467 <i>E 3320.1</i>	-Kastel marina, breakwater.	43° 32.7' N 16° 23.9' E	Fl.(2)G. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	20 6	3	Green column; 16.	Visible 359°-318°.
13468 <i>E 3326</i>	-Vranjic, landing place, W. corner.	43° 31.8' N 16° 28.4' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	24 7	4	Red column with post and gallery; 16.	
13472 <i>E 3325.4</i>	-Uvala Supaval, point, E. entrance.	43° 31.9' N 16° 27.0' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	16 5	4	Green tower; 3.	
13476 <i>E 3330</i>	-Luka Poljud, pier.	43° 31.3' N 16° 25.7' E	F.G.	13 4	3	Green column; 10.	F.R. light shown from head of pier about 0.2 km. eastward.
BRACKI KANAL:							
13478 <i>E 3357</i>	Uvala Stobrec, Strozanac.	43° 30.0' N 16° 32.0' E	Fl.G.R. period 3s fl. 0.5s, ec. 2.5s	23 7	4	Green tower; 13.	R. 063°-356°, G.-063°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
13484 <i>E 3360</i>	-Kriolo, W. mole, head.	43° 27.6' N 16° 36.1' E	Fl.G.R. period 3s fl. 0.3s, ec. 2.7s	21 6	2	Green column and gallery; 16.	R. 012°-307°, G.-012°.
13486 <i>E 3361</i>	-Dugi Rat.	43° 26.5' N 16° 38.6' E	Fl.(2)G. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	23 7	3	Green tower with pillar and gallery; 16.	
13492 <i>E 3376</i>	--Mole, head.	43° 26.4' N 16° 41.9' E	Fl.W.G. period 3s fl. 0.3s, ec. 2.7s	21 6	W. G. 2	Green round tower, column and gallery; 16.	G. 334°-038°, W. elsewhere.
13496 <i>E 3378</i>	-Kutlesa, mole, head.	43° 24.2' N 16° 48.6' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	19 6	4	Green tower, column and gallery; 16.	
13502 <i>E 3386</i>	-Soline-Brela, breakwater, head.	43° 22.1' N 16° 55.7' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	21 6	4	White tower, column and gallery; 16.	
SPLITSKI KANAL:							
-Otok Solta:							
13508 <i>E 3332</i>	--Luka Maslinica (Novsko Zdrilo), on Rt Sv. Nicola.	43° 23.9' N 16° 12.5' E	Fl.W.R. period 3s fl. 0.5s, ec. 2.5s	34 10	W. R. 4	Square stone tower with cupola; 23.	R. 011°-056°, W.-011°.
13509 <i>E 3331.9</i>	--Otocic Stipanska.	43° 24.4' N 16° 10.1' E	Fl.(2)G. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	26 8	6	Green column; 16.	Obscured 255°-355°.
13510 <i>E 3333</i>	--Rogac.	43° 23.8' N 16° 18.0' E	Fl.(2)W. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	26 8	3	White tower, column and gallery; 16.	
13512 <i>E 3334</i>	--Rt Bad.	43° 24.0' N 16° 18.6' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	4	Red tower and gallery; 20.	Visible 018°-288°.
13514 <i>E 3334.5</i>	--Necujam.	43° 23.7' N 16° 19.6' E	Fl.W. period 4s fl. 0.5s, ec. 3.5s	30 9	5	White tower with gallery on concrete base; 23.	Visible 026°-305°.
13516 <i>E 3336</i>	--Uvala Stomorska, entrance, E. side.	43° 22.5' N 16° 21.4' E	Fl.(2)R. period 5s fl. 0.3s, ec. 1s fl. 0.3s, ec. 3.4s	36 11	3	Red tower with pillar and gallery; 16.	
13520 <i>E 3338</i>	-Rt Livka.	43° 19.8' N 16° 24.2' E	Fl.(2)W. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	37 11	8	Red tower and structure on white hut; 33.	Visible 168°-058°.
13524 <i>E 3340</i>	-Otok Mrduja.	43° 20.3' N 16° 24.9' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	46 14	4	White tower, column and gallery; 20.	
13528 <i>E 3342</i>	-Rt Razanj, Otok Brac, W. head.	43° 19.2' N 16° 24.5' E	Fl.W. period 5s fl. 1s, ec. 4s	56 17	13	Hexagonal stone tower and dwelling; 46.	Visible 340°-175°. Reserve light range 8M. Siren: 2 bl. ev. 42s (bl. 4s, si. 4s, bl. 4s, si. 30s).
13532 <i>E 3344</i>	-Milna, on Rt Bijaka.	43° 19.9' N 16° 26.3' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	3	White square tower and gallery; 26.	
13536 <i>E 3346</i>	--Inner port, entrance.	43° 19.6' N 16° 27.1' E	Fl.(2)R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	23 7	4	Red tower, column and gallery; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
BRACKI KANAL (OTOK BRAC):							
13540 <i>E 3364</i>	-Sutivan, SW. angle of mole, head.	43° 23.2' N 16° 29.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	21 6	2	Red metal column; 17.	
13544 <i>E 3366.2</i>	-Supetar, mole, head.	43° 23.0' N 16° 33.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	5	Red round metal tower, pillar and gallery; 18.	
13545 <i>E 3366</i>	--Old mole, head.	43° 23.2' N 16° 33.2' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	4	Green tower, pillar and gallery; 15.	Visible 307°-207°.
13548 <i>E 3368</i>	-Uvala Splitska, entrance, E. side.	43° 22.8' N 16° 36.5' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	21 6	2	Red metal tower; 18.	
13552 <i>E 3370</i>	-Postire, mole, head.	43° 22.7' N 16° 37.8' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	23 7	3	Stone tower; 20.	Visible 326°-259°.
13556 <i>E 3380</i>	-Luka Pucisca, on Rt Sv. Nikola.	43° 21.7' N 16° 44.3' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	66 20	8	Square tower, dwelling alongside; 37.	
13560 <i>E 3384</i>	-Rt Povelja.	43° 20.4' N 16° 50.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	24 7	7	Square masonry tower; 17.	
13564 <i>E 3392</i>	-Rt Rascatna.	43° 18.8' N 16° 54.2' E	Fl.(4)W. period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	41 12	8	White masonry tower; 26.	
HVARSKI KANAL (OTOK BRAC):							
13568 <i>E 3396</i>	-Luka Sumartin, entrance, E. side.	43° 16.8' N 16° 52.6' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	26 8	7	White masonry tower, near dwelling; 20.	
13572 <i>E 3398</i>	--W. side of entrance, breakwater, head.	43° 17.1' N 16° 52.3' E	Fl.(3)W. period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4.5s	30 9	3	White tower, column and gallery; 26.	
13576 <i>E 3400</i>	-Bol, mole, head.	43° 15.6' N 16° 39.7' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	24 7	3	White square masonry tower; 23.	
13580 <i>E 3388</i>	-Makarska, Poluotocica Sveta Petar, W. head.	43° 17.7' N 17° 00.7' E	Fl.W. period 5s fl. 1s, ec. 4s	52 16	11	Square masonry tower, dwelling; 46.	Visible 321°-141°. Reserve light range 7M.
13584 <i>E 3390</i>	--Mole, head.	43° 17.6' N 17° 01.3' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	23 7	4	White tower, pillar and gallery; 16.	
13586 <i>E 3393</i>	-Tucepi.	43° 16.2' N 17° 03.4' E	Fl.R. period 5s fl. 1s, ec. 4s	23 7	4	Red round tower with column and gallery; 16.	
13588 <i>E 3394</i>	-Uvala Podgora, mole, head.	43° 14.6' N 17° 04.5' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	4	Red tower, column and gallery; 16.	
13590 <i>E 3395</i>	-Drvenik.	43° 09.2' N 17° 15.0' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	16 5	3	Green round tower; 13.	
13591 <i>E 3493</i>	-Gradac, breakwater, head.	43° 06.2' N 17° 20.5' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	20 6	4	Red tower; 16.	Visible 133°-098°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
PAKLENI KANAL:							
13592 <i>E 3431.5</i>	-Pakleni Otoci, on Otocic Vodnjak Veli, islet, SW. part.	43° 10.1' N 16° 19.0' E	Fl.W. period 6s fl. 0.5s, ec. 5.5s	102 31	9	Stone tower; 26.	
-Otok Hvar:							
13596 <i>E 3404</i>	--Rt Pelegrin.	43° 11.7' N 16° 22.3' E	Fl.(3)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 4.5s	69 21	8	Stone tower on pedestal; 26.	
13598 <i>E 3405</i>	--Hrid Baba.	43° 10.1' N 16° 23.8' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	23 7	4	ISOLATED DANGER BRB, tower, topmark; 16.	
13600 <i>E 3406</i>	--Otocic Galisnik.	43° 10.0' N 16° 26.6' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	36 11	5	Square stone tower and gallery; 20.	
13604 <i>E 3408</i>	--Luka Hvar, quay, S. corner.	43° 10.2' N 16° 26.8' E	Fl.(2)G. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	19 6	4	Green tower, column and gallery; 16.	
13608 <i>E 3409</i>	--Sv. Jerolim.	43° 09.6' N 16° 26.6' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	39 12	4	Red tower, column and gallery; 16.	
13612 <i>E 3410</i>	--Otocic Pokonji Dol.	43° 09.4' N 16° 27.4' E	Fl.W. period 4s fl. 0.5s, ec. 3.5s	66 20	10	Square stone tower on dwelling; 49.	
HVARSKI KANAL:							
13616 <i>E 3412</i>	--Uvala Pribinja, Rt Galijola, W. entrance point.	43° 12.0' N 16° 25.9' E	Fl.W. period 2s fl. 0.3s, ec. 1.7s	26 8	6	White column; 16.	
13620 <i>E 3412.4</i>	---Nezadovoljan, peninsula, head.	43° 11.7' N 16° 25.7' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	26 8	3	Red tower, column and gallery on pedestal; 16.	
13624 <i>E 3412.6</i>	---Vira, mole, head.	43° 11.0' N 16° 26.0' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	12 4	3	White round tower; 7.	
13628 <i>E 3418</i>	--Rt Kabal.	43° 13.5' N 16° 31.5' E	Fl.(2)W. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	52 16	7	White tower, column and gallery; 20.	Visible 324°-227°.
13632 <i>E 3414</i>	--Stari Grad, on Rt Fortin.	43° 11.1' N 16° 35.5' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	29 9	4	Green tower with column gallery on white support; 23.	
13636 <i>E 3413</i>	--Stari Grad, ferry landing.	43° 10.9' N 16° 34.9' E	Fl.(2)G. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	23 7	4	Green tower and gallery; 16.	Obscured 020°-109°.
13638 <i>E 3413.1</i>	---W. pier.	43° 10.9' N 16° 34.8' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	20 6	4	White tower, column and gallery; 16.	
13640 <i>E 3416</i>	--Mole.	43° 11.1' N 16° 36.0' E	F.G.	19 6	3	Green column; 17.	
13642 <i>E 3419</i>	--Rt Travna.	43° 14.1' N 16° 33.7' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	26 8	7	White tower with gallery on concrete base; 23.	Visible 082°-276°.
13644 <i>E 3426</i>	--Otocic Zecevo, E. point.	43° 11.5' N 16° 42.1' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	36 11	5	Stone tower, concrete base; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
13648 <i>E 3420</i>	--Vrboska, on Rt Kriz.	43° 10.6' N 16° 41.5' E	Fl.W. period 2s fl. 0.3s, ec. 1.7s	18 5	5	Iron post on white concrete hut; 16.	
13652 <i>E 3422</i>	---Quay.	43° 10.8' N 16° 40.7' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	16 5	3	Red column on stone fort; 13.	
13656 <i>E 3428</i>	--Jelsa, N. mole, head.	43° 09.9' N 16° 41.9' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	4	Stone tower, cupola; 20.	
13660 <i>E 3431</i>	---S. mole.	43° 10.0' N 16° 42.4' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	20 6	5	Red iron tower and post; 16.	
13664 <i>E 3490</i>	--Rt Sucuraj.	43° 07.5' N 17° 12.2' E	Iso.W. period 4s	46 14	11	Square stone tower and dwelling; 46.	Reserve light range 7M.
OTOK VIS:							
13668 <i>E 3492</i>	--Luka Sucuraj, mole, head.	43° 07.4' N 17° 11.6' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	20 6	3	Red iron column; 10.	
13672 <i>E 3432</i>	-Rt Stoncica.	43° 04.4' N 16° 15.6' E	Fl.W. period 15s fl. 0.7s, ec. 14.3s	125 38	30	Stone tower on dwelling; 92.	Visible 110°-357°. Reserve light range 12M. Signal station.
13676 <i>E 3434</i>	-Hrid Krava.	43° 04.7' N 16° 13.5' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	23 7	4	White tower, gallery on pedestal; 16.	
13680 <i>E 3436</i>	-Viska Luka, on Otocic Host.	43° 04.6' N 16° 12.6' E	Fl.W. period 4s fl. 0.5s, ec. 3.5s	70 21	8	Stone tower and dwelling; 36.	
HVARSKI KANAL:							
13684 <i>E 3438</i>	-Prirovo.	43° 03.7' N 16° 11.6' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	21 6	3	Green tower, column and gallery; 16.	
13688 <i>E 3439</i>	-Hridi Volici.	43° 05.2' N 16° 11.9' E	Fl.W. period 2s fl. 0.3s, ec. 1.7s	26 8	6	White tower, gallery on pedestal; 16.	
13692 <i>E 3440</i>	-Otocic Mali Barjak.	43° 03.2' N 16° 02.7' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	43 13	8	White square stone tower; 26.	
13696 <i>E 3442</i>	-Komiza, breakwater, head.	43° 02.7' N 16° 05.4' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	20 6	4	Green tower, gallery and column; 16.	
13700 <i>E 3443</i>	-Rt Stupisce.	43° 00.4' N 16° 04.3' E	Fl.(3)W. period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	59 18	10	Square stone tower; 26.	Reserve light range 7M.
13704 <i>E 3444</i>	-Otok Bisevo Kobila.	42° 59.2' N 16° 01.5' E	Fl.(2)R. period 10s fl. 1s, ec. 3s fl. 1s, ec. 5s	59 18	11	Red tower and gallery; 16.	Reserve light range 7M.
13708 <i>E 3445</i>	-Hridi Lukavci.	43° 05.0' N 16° 35.2' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	46 14	5	White stone tower; 26.	
13712 <i>E 3446</i>	-Otok Scedro.	43° 05.1' N 16° 40.3' E	Fl.W.R. period 6s fl. 0.5s, ec. 5.5s	68 21	W. 10 R. 6	Square stone tower, concrete base; 32.	R. 087°-094.5°, W.-087°.
13716 <i>E 3448</i>	-Luka Lovisce, entrance, E. side.	43° 05.8' N 16° 42.4' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	33 10	3	Red iron tower; 18.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
13720 <i>E 3450</i>	-Otocic Plocica, NW. extremity.	43° 01.8' N 16° 49.2' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	82 25	10	Iron tower on dwelling; 82.	
13724 <i>E 3451</i>	-Prigradica, mole, head.	42° 58.0' N 16° 48.9' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	21 6	3	Red metal tower and mast; 18.	
NERETVANSKI KANAL:							
13732 <i>E 3500.5</i>	-Rt. Visnjica, S. side.	43° 02.3' N 17° 25.2' E	Fl.(2)W. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	43 13	7	Red tower, column and gallery; 16.	
13736 <i>E 3501</i>	--NE. side.	43° 02.5' N 17° 25.4' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	39 12	2	Red tower, column and gallery; 16.	
-Luka Kardelevo:							
13740 <i>E 3501.2</i>	--Rt Bad.	43° 02.8' N 17° 25.5' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	30 9	2	Red four-sided pyramid; 12.	
13744 <i>E 3501.4</i>	--Gata Oslobodenja, W. head.	43° 02.9' N 17° 25.6' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	20 6	3	Green tower with column and gallery; 16.	
13746 <i>E 3501.6</i>	--Rt. Zminjac.	43° 03.1' N 17° 25.8' E	Fl.(2)R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	16 5	3	Red tower; 13.	Obscured 138°-250°.
13748 <i>E 3499.3</i>	-Kanal Vlaska, N. mole.	43° 01.8' N 17° 25.4' E	Fl.(2)R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	23 7	4	Red column; 13.	Visible 237°-062°.
13748.5 <i>E 3499.5</i>	--Oil terminal.	43° 02.0' N 17° 25.9' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	20 6	3	Red tower; 13.	Visible 232°-056°.
13749 <i>E 3499.2</i>	--S. mole.	43° 01.7' N 17° 25.5' E	Fl.(2)G. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	23 7	4	Green column on submerged base; 13.	Visible 061°-232°.
-Neretva:							
13752 <i>E 3502</i>	--N. mole, head.	43° 01.2' N 17° 27.0' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	20 6	4	Red column on red hexagonal hut; 16.	River to Metkovic marked by Fl.G. 3s lights to starboard and Fl.R. 3s lights to port.
13756 <i>E 3502.2</i>	--S. mole, head.	43° 01.1' N 17° 26.9' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	16 5	5	Green hut and column; 13.	
-Uvala Blaca:							
13764 <i>E 3516</i>	--Otocic Mali Skojic.	42° 59.9' N 17° 28.6' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	20 6	3	Red tower, column and gallery; 16.	Visible 178°-088°.
KANAL MALOG STONA:							
13772 <i>E 3526</i>	-Rt Celjen.	42° 52.1' N 17° 41.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	33 10	6	White tower, column and gallery on pedestal; 16.	
13776 <i>E 3528</i>	-Rt Mirina (Mirna).	42° 51.5' N 17° 41.6' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	23 7	3	White tower, column and gallery; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
13780 <i>E 3530</i>	-Plicina Vranjak (Greda), shoal, N. side.	42° 51.4' N 17° 41.9' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	21 6	1	Red tower, column and gallery on submerged base; 16.	
13784 <i>E 3531</i>	-Otocic Skoljic.	42° 51.2' N 17° 42.5' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	21 6	1	Green tower, column and gallery on concrete base; 16.	
13788 <i>E 3532</i>	-Rt Mali Voz.	42° 51.1' N 17° 42.7' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	21 6	1	Red tower, column and gallery; 16.	
13792 <i>E 3521</i>	-Rt Rep Kieka.	42° 56.0' N 17° 33.3' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	26 8	5	White round tower with gallery; 16.	
13796 <i>E 3521.3</i>	-Hrid Lopata.	42° 56.1' N 17° 34.3' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	20 6	4	Green tower, gallery on submerged base; 16.	
13800 <i>E 3521.5</i>	-Luka Neum.	42° 55.2' N 17° 37.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	20 6	4	Red tower, column and gallery; 16.	
13804 <i>E 3522</i>	-Rt Blaca.	42° 55.5' N 17° 31.4' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	30 9	8	White tower, column and gallery on pedestal; 23.	Visible 127°-285°.
NERETVANSKI KANAL (POLUOTOK PELJESAC):							
13808 <i>E 3520</i>	-Luka Drace, NE. mole, head.	42° 55.7' N 17° 27.3' E	Fl.W.R. period 3s fl. 0.5s, ec. 2.5s	23 7	W. 4 R. 2	White tower with column; 16.	R. 197°-243°, W.-197°.
13812 <i>E 3496</i>	-Trpanj, E. breakwater, head.	43° 00.7' N 17° 16.2' E	Fl.R. period 4s fl. 0.3s, ec. 3.7s	16 5	4	Red tower; 16.	
13813 <i>E 3498</i>	--Floodgate, head.	43° 00.6' N 17° 16.1' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	26 8	2	White tower, column and gallery; 23.	Visible 103°-135°.
13814 <i>E 3488.5</i>	-Duba.	43° 01.5' N 17° 10.2' E	Fl.(2)R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	20 6	4	Red tower; 16.	
KORCULANSKI KANAL:							
13820 <i>E 3488</i>	-Rt Lovisce, Poluotok Peljesac, NW. point.	43° 02.8' N 17° 00.3' E	Fl.(3)W. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6.5s	33 10	10	White square stone tower with gallery on pedestal; 30.	Visible 357°-258°.
13824 <i>E 3487</i>	-Uvala Luka (Lovisce).	43° 01.5' N 17° 01.6' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	30 9	3	Red tower, column and gallery; 16.	Visible 243°-113°.
13828 <i>E 3486.5</i>	-Rt Osicac, Poluotok Peljesac, SW. point.	43° 00.6' N 17° 00.6' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	30 9	8	White octagonal concrete tower; 25.	Visible 322°-270°.
PELJESKI KANAL:							
13832 <i>E 3470</i>	-Otocic Kneza Vela, NE. side.	42° 58.9' N 17° 03.5' E	Fl.(2)W. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	43 13	8	Stone tower; 20.	
13834 <i>E 3470.5</i>	-Kucisce.	42° 58.8' N 17° 07.2' E	F.G.	20 6	2	Green tower with column and gallery; 16.	
13836 <i>E 3471</i>	-Rt Sv. Ivan.	42° 59.1' N 17° 04.3' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	39 12	4	White tower, column and gallery; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
13840 <i>E 3476</i>	-Luka Korcula, mole, head.	42° 57.8' N 17° 08.4' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	23 7	4	Red square tower, column and gallery; 23.	
13844 <i>E 3477</i>	-Wharf, NE. corner, E. of harbor.	42° 57.6' N 17° 08.3' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	2	Green round tower with gallery; 16.	
13848 <i>E 3478</i>	-Badija.	42° 57.3' N 17° 09.2' E	Fl.(2)G. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	23 7	4	White round tower, white concrete base; 16.	
13852 <i>E 3479</i>	-Korcula.	42° 57.2' N 17° 09.2' E	Fl.(2)R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	23 7	3	Red round tower; 16.	
13856 <i>E 3480</i>	-Luka Orebic, mole, head.	42° 58.4' N 17° 10.8' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	25 8	3	Green square tower, column and gallery; 23.	
13860 <i>E 3481</i>	-Otocic Stupe Velike, W. head.	42° 57.8' N 17° 11.4' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	29 9	3	Red tower, column and gallery; 16.	Visible 085°-261°.
13864 <i>E 3482</i>	-Otocici Sestrice, NW. islet.	42° 57.8' N 17° 12.7' E	Fl.(4)W. period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	58 18	11	Stone tower and dwelling; 39.	
LASTOVSKI KANAL:							
13872 <i>E 3486</i>	-Rt Rasnjic, Otok Korcula, SE. point.	42° 55.0' N 17° 12.4' E	Fl.W. period 6s fl. 1s, ec. 5s	43 13	9	White square tower; 26.	
13876 <i>E 3463</i>	-Rt Veli Zaglav.	42° 53.7' N 16° 51.2' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	43 13	7	White iron tower and mast; 18.	
13878 <i>E 3464</i>	-Brna.	42° 54.3' N 16° 51.6' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Red tower; 16.	Visible 025°-224°.
ZALIV VELA LUKA:							
13884 <i>E 3461</i>	-Rt Velo Dance, Otok Korcula, SW. point.	42° 56.0' N 16° 38.0' E	Fl.(3)W. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6.5s	39 12	11	White stone tower; 20.	
13888 <i>E 3454</i>	-Otocic Kamenjak, S. side.	42° 58.1' N 16° 39.6' E	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	32 10	4	White hexagonal masonry tower; 23.	Visible 233°-163°.
13892 <i>E 3458</i>	-Rt Vranac.	42° 57.7' N 16° 42.7' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	24 7	2	Stone pyramidal tower and red gallery; 20.	Visible 011°-101°.
13896 <i>E 3460</i>	-Vela Luka, pier, W. head.	42° 57.7' N 16° 43.1' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	21 6	2	Green tower, column and gallery; 16.	
13900 <i>E 3452</i>	-Otocic Proizd, island, off W. head.	42° 59.0' N 16° 36.6' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	38 12	11	Stone tower; 26.	Obscured 229°-290°.
13904 <i>E 3538</i>	Otok Susac.	42° 45.0' N 16° 29.7' E	Fl.(2)W. period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 12s	308 94	24	Square stone tower on dwelling; 56.	Visible 253°-213°. Reserve light range 12M.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
OTOK LASTOVO:							
13908 <i>E 3545</i>	-Skrivena Luka, on Rt Strazica.	42° 43.8' N 16° 53.4' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Red iron tower with mast; 20.	
13912 <i>E 3544</i>	-Rt Struga.	42° 43.4' N 16° 53.3' E	Fl.W. period 10s fl. 0.6s, ec. 9.4s	344 105	27	White round stone tower on dwelling; 75.	Visible 259°-095°. Reserve light range 12M.
13920 <i>E 3548</i>	-Luka Velji Lago, Otocic Prezba, SE. point.	42° 45.2' N 16° 49.2' E	Fl.W.R. period 5s fl. 0.5s, ec. 4.5s	59 18	W. R. 8 5	White tower, column and gallery on pedestal; 26.	W. 023°-045°, obsc.-067°, W.-084°, obsc.-235°, R.-023°.
13932 <i>E 3546</i>	-Ubli (Sv. Petar), port, SE. extremity.	42° 44.7' N 16° 49.8' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	26 8	2	Red iron tower on post; 23.	
13936 <i>E 3552</i>	-Hrid Pod Mrcaru, islet, center.	42° 46.8' N 16° 46.8' E	Fl.(2)W. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	75 23	9	White round iron tower with post and gallery on concrete base; 22.	
13938 <i>E 3553</i>	-Entrance.	42° 46.5' N 16° 52.7' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	30 9	5	Red tower, column and gallery; 16.	Visible 350°-243°.
13940 <i>E 3551</i>	Otocic Tajan Velji.	42° 48.9' N 16° 59.6' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	66 20	8	Square stone tower; 20.	
13944 <i>E 3554</i>	Otocic Glavat.	42° 45.9' N 17° 09.0' E	Fl.(5)W. period 30s fl. 0.4s, ec. 3.4s fl. 0.4s, ec. 3.4s fl. 0.4s, ec. 3.4s fl. 0.4s, ec. 3.4s fl. 0.4s, ec. 14.4s	148 45	22	Octagonal masonry tower on dwelling; 84.	Visible 120°-070°. Reserve light range 12M.
MLJETSKI KANAL:							
-Otok Mljet:							
13947 <i>E 3535.5</i>	--Rt Goli.	42° 47.7' N 17° 19.7' E	Fl.(3)W.R. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6.5s	39 12	W. R. 8 5	White tower on pedestal; 36.	W. 060°-237°, R.-060°.
13948 <i>E 3536</i>	--Luka Polace, on Hrid Kula.	42° 47.2' N 17° 26.2' E	Fl.W. period 2s fl. 0.3s, ec. 1.7s	36 11	6	White tower on pedestal; 36.	
13952 <i>E 3537</i>	--Luka Sovra, Rt Pusti.	42° 44.6' N 17° 37.1' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	47 14	7	White tower; 33.	Visible 156°-043°. Fl.R. 3s marks head of ferry jetty.
13956 <i>E 3537.4</i>	--Luka Okuklje, Rt Stoba.	42° 43.7' N 17° 41.1' E	Fl.(2)W. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	32 10	6	White tower, column and gallery on pedestal; 16.	
13960 <i>E 3537.5</i>	--Point of land in harbor.	42° 43.6' N 17° 40.6' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	24 7	1	Green tower, column and gallery on submerged base; 16.	
13964 <i>E 3537.6</i>	--Harbor, head.	42° 43.7' N 17° 40.5' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	13 4	1	Green tower; 6.	
-Poluotok Peljesac:							
13968 <i>E 3556</i>	--Trstenik, mole, head.	42° 54.9' N 17° 23.9' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	20 6	3	Red tower with column and gallery; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
13975 <i>E 3558</i>	--Zuljana, mole, head.	42° 53.5' N 17° 27.1' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	20 6	4	Green tower with pillar and gallery; 16.	Obscured 015°-078°.
13980 <i>E 3560</i>	-Otocic Lirica.	42° 52.4' N 17° 25.5' E	L.Fl.W. period 10s fl. 2s, ec. 8s	112 34	9	White tower on pedestal; 45.	Visible 293°-210°.
13982 <i>E 3560.5</i>	-Prapratno, head.	42° 48.7' N 17° 40.6' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	26 8	4	Green tower and gallery; 20.	
KOLOCEPSKI KANAL:							
13984 <i>E 3561</i>	-Otocic Olipa.	42° 45.5' N 17° 46.9' E	Fl.(3)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 4.5s	102 31	10	Square stone tower; 36.	Visible 253°-104°.
13988 <i>E 3562</i>	-Otocic Tajan, island, NW extremity.	42° 45.6' N 17° 48.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	30 9	4	Red tower, column and gallery; 16.	Visible 061°-268°.
13990 <i>E 3564</i>	-Rt. Grbljava (Pologrin).	42° 47.3' N 17° 47.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	36 11	7	White tower, column and gallery on pedestal; 16.	
-Stonski Kanal:							
13992 <i>E 3566</i>	--Broce, mole, head.	42° 49.2' N 17° 43.2' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	20 6	4	Red tower; 16.	Channel to Ston lighted by beacons and buoys.
13996 <i>E 3570</i>	--Ston, mole, head.	42° 50.0' N 17° 42.2' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	20 6	2	Red tower; 16.	
MLJETSKI KANAL:							
14000 <i>E 3575</i>	-Doli, mole, head.	42° 48.4' N 17° 48.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	20 6	2	Red tower, column and gallery; 16.	
14004 <i>E 3580</i>	-Slano, on Rt Donji.	42° 46.6' N 17° 52.4' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	52 16	4	Stone tower, column and gallery on dwelling; 13.	
14008 <i>E 3582</i>	--On quay.	42° 47.1' N 17° 53.4' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	23 7	3	Green tower with column gallery; 16.	
14012 <i>E 3584</i>	-Trsteno.	42° 42.7' N 17° 58.4' E	Fl.(3)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 4.5s	33 10	6	White tower, column and gallery on pedestal; 20.	
-Otok Sipan:							
14016 <i>E 3576</i>	--Rt Tiha.	42° 45.4' N 17° 51.4' E	Fl.(2)W. period 8s fl. 0.5s, ec. 2s fl. 0.5s, ec. 5s	46 14	9	Metal framework tower on white metal tower; 36.	Visible 117°-305°.
14020 <i>E 3578</i>	--Luka, mole, head.	42° 43.8' N 17° 51.8' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	23 7	3	Red tower with column and gallery; 16.	
14024 <i>E 3590</i>	-Otocic Sv. Andrija.	42° 39.0' N 17° 57.0' E	Fl.W. period 15s fl. 0.8s, ec. 14.2s	226 69	24	Square tower on dwelling; 56.	Reserve light range 12M.
14028 <i>E 3592</i>	-Otok Lopud, mole, head.	42° 41.5' N 17° 56.7' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Red tower, column and gallery; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
14030 <i>E 3579</i>	-Sudurad, S. mole, head.	42° 42.6' N 17° 55.0' E	Fl.(2)W.R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	23 7	W. 4 R. 2	White tower, column and gallery; 16.	R. 235°-275°.
14031 <i>E 3595.5</i>	-Donje Cove.	42° 40.8' N 18° 00.3' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	20 6	4	White tower, column and gallery; 23.	Visible 262°-142°.
14032 <i>E 3595</i>	-Otok Kalocep, on Rt Gornji.	42° 39.7' N 18° 01.5' E	Fl.(2)W. period 8s fl. 0.5s, ec. 2s fl. 0.5s, ec. 5s	59 18	4	Conical stone tower and gallery; 20.	
14036 <i>E 3596</i>	-Vuka Zaton, on Rt Bat.	42° 41.1' N 18° 03.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	62 19	4	Red tower, column and gallery; 20.	
14040 <i>E 3598</i>	Hridi Grebeni, W. rock.	42° 39.1' N 18° 03.2' E	Fl.(3)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 4.5s	87 27	10	Square tower on dwelling; 43.	
14044 <i>E 3600</i>	Otocic Daska, N. head.	42° 40.2' N 18° 03.3' E	Fl.W. period 6s fl. 0.5s, ec. 5.5s	23 7	10	White tower; 13.	Visible 023°-295°.
14048 <i>E 3604</i>	Rijeka Dubrovacka, at Mokosica.	42° 40.3' N 18° 05.9' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	20 6	4	White square tower, red column on submerged base; 19.	
14050 <i>E 3601</i>	-Bridge, N. head.	42° 40.1' N 18° 04.7' E	Fl.(2)R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	30 9	4	Red tower, column and gallery; 16.	
14050.5 <i>E 3601.7</i>	--Center.	42° 40.1' N 18° 04.8' E	Iso. W. period 2s	164 50	5	Green Structure.	
14051 <i>E 3601.5</i>	--S. head.	42° 40.0' N 18° 04.8' E	Fl.(2)G. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	20 6	4	Green tower, column and gallery; 16.	Reserve light range 10M.
14052 <i>E 3602</i>	Gruz, on Rt Kantafig.	42° 40.0' N 18° 04.7' E	Fl.W. period 2s fl. 0.3s, ec. 1.7s	23 7	5	White tower, column and gallery; 16.	Obscured 247°-325°.
14056 <i>E 3602.1</i>	-Gat Petka.	42° 39.5' N 18° 05.2' E	Fl.(2)R. period 4s fl. 0.5s, ec. 1s fl. 0.5s, ec. 2s	25 8	3	Red square tower, column and gallery; 23.	
14060 <i>E 3610</i>	Dubrovnik, mole, head.	42° 38.4' N 18° 06.8' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	4	Red square tower, column and gallery; 23.	Obscured 327°-357°.
14064 <i>E 3612</i>	-Mole, head.	42° 38.4' N 18° 07.0' E	F.W.G.	17 5	2	White column; 13.	G. 254°-305°, W.-254°.
KOLOCEPSKI KANAL:							
14068 <i>E 3613</i>	-Srebreno, breakwater.	42° 37.2' N 18° 12.1' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	20 6	2	Red iron tower with post; 16.	
14076 <i>E 3613.7</i>	-Zupski Zaliv, Plat, on pier, head.	42° 36.0' N 18° 14.0' E	F.G.	23 7	4	Green round metal tower with gallery; 16.	
14084 <i>E 3614.5</i>	-About 366 meters S. of extremity of Rt Sveti Roko.	42° 35.1' N 18° 12.5' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	26 8	8	ISOLATED DANGER BRB, tower, topmark; 19.	
14088 <i>E 3614</i>	Cavtat, on shoal at the approach.	42° 35.0' N 18° 13.0' E	Fl.W.R.G. period 2s fl. 0.3s, ec. 1.7s	33 10	W. 6 R. 4 G. 3	White tower, column and gallery; 16.	W. 053°-083°, R.-110°, W.-129°, G.-158°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
14092 <i>E 3616</i>	Luka Mali Molunat.	42° 26.9' N 18° 26.6' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	26 8	6	White metal column with gallery; 16.	
BOKA KOTORSKA:							
14096 <i>E 3615</i>	-Otocic Molunat.	42° 26.5' N 18° 26.1' E	Fl.(3)W. period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 9.5s	112 34	8	White iron tower with gallery; 13.	
14100 <i>E 3620</i>	- Ostri Rt.	42° 23.6' N 18° 32.2' E	L.Fl.(2)W. period 10s fl. 2s, ec. 2s fl. 2s, ec. 4s	240 73	15	Red tower on house; 7.	Reserve light range 10M.
14104 <i>E 3622</i>	-Otocic Mamula.	42° 23.8' N 18° 33.8' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	112 34	6	Tower, red column and gallery; 26.	
14108 <i>E 3623</i>	--Luka Rose, quay, W. head.	42° 25.7' N 18° 33.7' E	F.G.	16 5	2	Green iron post; 14.	
-Hercegnovski Zaliv:							
14112 <i>E 3624</i>	--Herceg Novi, S. mole, head.	42° 27.0' N 18° 32.4' E	Fl.(2)G. period 5s fl. 0.5s, ec. 4.5s	31 9	5	Stone obelisk; 23.	
14116 <i>E 3628</i>	--Zelenika, quay, NW. corner.	42° 27.0' N 18° 34.7' E	Fl.R. period 3s fl. 1s, ec. 2s	30 9	4	White round tower with column and gallery on concrete hut; 18.	Visible 315°-135°.
14120 <i>E 3630</i>	--Pristan.	42° 25.5' N 18° 36.5' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	22 7	5	Green metal tower; 20.	
-Kumborski Tjesnac:							
14124 <i>E 3632</i>	--Denovici, breakwater, head.	42° 26.0' N 18° 36.6' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	45 14	6	Red metal tripod; 6.	
-Tivatski Zaliv:							
14128 <i>E 3648</i>	--Donji Krasici, on mole.	42° 24.5' N 18° 39.5' E	F.G.	16 5	2	White metal post; 13.	
14132 <i>E 3647</i>	--Bejelila (Oko), pier, NW. corner.	42° 24.3' N 18° 40.3' E	F.G.	19 6	4	White tower, black bands; 16.	Obscured 216°-245° over Plicina Tunja.
14136 <i>E 3646</i>	-Zucovac, quay, S. corner.	42° 24.2' N 18° 41.4' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	2	Green iron tower with post; 16.	Visible 168°-135°.
14140 <i>E 3645</i>	--Plicina Tunja (Jezicac).	42° 24.9' N 18° 41.0' E	Fl.(2)W.R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	26 8	W. R. 6 4	White stone pyramidal tower; 23.	R. 274°-014°, W.-274°.
14142 <i>E 3644.5</i>	-Plicina Kalimanj.	42° 25.5' N 18° 42.0' E	Fl.R. period 4s	20 6	3	White round tower, red stripes and platform; 16.	
14144 <i>E 3644</i>	-Luka Kaliman.	42° 25.6' N 18° 42.3' E	F.R.	20 6	4	Red column; 16.	
14148 <i>E 3639</i>	--Tivat, Mole I, head.	42° 25.9' N 18° 41.7' E	Fl.W.R. period 3s fl. 0.3s, ec. 2.7s	26 8	W. R. 6 3	Black and white iron tower; 23.	R. 140°-167°, W.-140°.
14152 <i>E 3643</i>	--Stanjic, mole.	42° 25.8' N 18° 42.0' E	Fl.(2)R. period 6s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 4.5s	21 6	3	White round tower, red diagonal stripe; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CROATIA							
14156 <i>E 3638</i>	--Rt Seljanovo.	42° 26.3' N 18° 41.1' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	5	White tower, red stripes on pedestal; 20.	
14160 <i>E 3637</i>	--Donja Lastva, quay.	42° 26.8' N 18° 41.5' E	F.R.	22 7	4	Red iron column; 19.	
-Tjesnac Verige:							
14164 <i>E 3652</i>	--Rt Sveti Nedjja.	42° 27.6' N 18° 40.8' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	24 7	5	White iron tower; 23.	
14168 <i>E 3654</i>	--Rt Opatovo.	42° 27.6' N 18° 41.2' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	30 9	4	Square stone tower; 26.	
14172 <i>E 3656</i>	--Kamenari, mole, head.	42° 28.1' N 18° 40.8' E	F.R.	19 6	4	Red metal post; 13.	
14176 <i>E 3655</i>	--Lepetane, wharf, head.	42° 28.2' N 18° 41.4' E	F.G.	20 6	3	Green metal post; 16.	
14180 <i>E 3658</i>	--Rt Turski.	42° 28.8' N 18° 41.5' E	Fl.(2)W. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	28 9	6	White conical iron tower; 26.	
-Tivatski Zaliv:							
14184 <i>E 3660</i>	--Rt Gospa.	42° 28.7' N 18° 41.7' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	4	White iron construction on concrete block; 20.	
-Risanski (Morinjski) Zaliv:							
14188 <i>E 3661</i>	--Kostanjica, breakwater, head.	42° 29.2' N 18° 40.3' E	F.R.	13 4	3	White pyramidal structure; 13.	Private light.
14192 <i>E 3662</i>	--Morinj.	42° 29.5' N 18° 39.3' E	F.G.	13 4	4	Green iron column; 10.	
14193 <i>E 3662.4</i>	--Lipci, dike, head.	42° 29.8' N 18° 39.8' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Green round metal tower, pillar and gallery; 18.	
14196 <i>E 3664</i>	--Perast, on quay.	42° 29.2' N 18° 42.1' E	F.R.	16 5	2	Red iron column; 13.	Visible 304°-124°.
14200 <i>E 3663</i>	--Risan, mole, head.	42° 30.8' N 18° 41.9' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	22 7	2	White round tower, column and gallery; 16.	
-Kotorski Zaliv:							
14204 <i>E 3666</i>	--Donji Stoliv, mole, head.	42° 28.4' N 18° 43.0' E	F.G.	16 5	2	White metal column; 14.	
14208 <i>E 3670</i>	--Sv. Stasije, Dobrota.	42° 28.1' N 18° 46.1' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	20 6	6	White iron tower with mast; 16.	
14212 <i>E 3674</i>	--Quay, N.	42° 27.2' N 18° 45.2' E	Fl.(3)G. period 7s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 4.5s	20 6	3	White round tower, black stripes; 16.	
14216 <i>E 3676</i>	---Rt Rdakova.	42° 27.0' N 18° 45.5' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	26 8	6	White iron tower with post; 23.	
14220 <i>E 3678</i>	--Muo, mole, head.	42° 26.1' N 18° 45.7' E	F.G.	16 5	1	Green metal column; 13.	
14224 <i>E 3682</i>	--Kotor.	42° 25.6' N 18° 46.3' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	5	Stone obelisk with gallery; 23.	

Section 10

Montenegro, Albania, and South and West Coasts of Greece Including Peleponnisos

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
MONTENEGRO							
14236 <i>E 3684</i>	Zaliv Traste, Rt Traste.	42° 21.3' N 18° 41.6' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	30 9	5	White round tower with gallery and pillar; 20.	Visible 010°-278°.
14240 <i>E 3685</i>	Rt Platamon.	42° 16.1' N 18° 47.0' E	Fl.W. period 6s fl. 1s, ec. 5s	105 32	9	White hexagonal stone tower, round column and gallery; 33.	
14244 <i>E 3686</i>	Otocic Sveti Nikola, SE. point.	42° 15.6' N 18° 51.8' E	Fl.(3)W. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6.5s	75 23	8	White concrete column, near dwelling; 10.	Visible 248°-113°.
14248 <i>E 3688</i>	Budva, mole, head.	42° 16.8' N 18° 50.7' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	21 6	3	Red iron framework tower with column and gallery; 16.	Visible 090°-270°.
BARKO SIDRISTA:							
14256 <i>E 3689</i>	-Crni Rt.	42° 08.1' N 19° 00.6' E	Fl.W. period 4s fl. 0.5s, ec. 3.5s	466 142	25	White round tower on concrete base; 20.	
14260 <i>E 3690</i>	-Rt Volovica.	42° 05.3' N 19° 04.5' E	Fl.(2)W. period 7s fl. 1s, ec. 1s fl. 1s, ec. 4s	98 30	16	White hexagonal tower, black stripes; 19.	
14268 <i>E 3691</i>	--W. breakwater, head.	42° 06.0' N 19° 04.9' E	Fl.G. period 3s	62 19	6	White round tower and gallery; 43.	
14269 <i>E 3693</i>	--Mole, N. head.	42° 05.8' N 19° 05.2' E	Fl.(2)R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	20 6	3	White round tower, red band and platform; 16.	
14272 <i>E 3696</i>	Rt Mendre.	41° 57.2' N 19° 09.0' E	Fl.(3)W. period 10s fl. 0.3s, ec. 0.7s fl. 0.3s, ec. 0.7s fl. 0.3s, ec. 7.7s	115 35	25	White tower beside house; 26.	
14276 <i>E 3698</i>	Ulcinj, on old fort.	41° 55.3' N 19° 12.1' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	88 27	8	White metal column on fort; 13.	
ALBANIA							
SHENGJIN:							
14280 <i>E 3702</i>	-Kep i Shengjinit.	41° 48.7' N 19° 35.1' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	79 24	10	Pile on roof of building; 59.	
14282 <i>E 3702.5</i>	-Mali Renzit.	41° 49.2' N 19° 34.3' E	Fl.(2)W. period 8s fl. 1.8s, ec. 2.2s fl. 1.8s, ec. 2.2s	157 48	10	Square hut; 10.	
14284 <i>E 3703</i>	-Entrance Range, front, center of jetty.	41° 48.9' N 19° 35.3' E	Fl.R. period 6s	39 12	5	White framework mast.	
14288 <i>E 3703.1</i>	--Rear, 75 meters 002° from front, base of jetty.	41° 48.9' N 19° 35.3' E	Fl.R. period 5s	49 15	5	White framework mast.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ALBANIA							
14292 <i>E 3704</i>	Talej.	41° 42.6' N 19° 35.2' E	Fl.W. period 6s	49 15	7	On roof of hydroelectric station.	
14296 <i>E 3705</i>	Kep i Rodonit.	41° 35.2' N 19° 26.8' E	Fl.(2)W. period 10s	131 40	8	White metal framework tower, diamond daymark; 33.	
14300 <i>E 3708</i>	Kep i Palit.	41° 24.8' N 19° 23.6' E	Fl.W.R. period 10s	105 32	10	Green stone tower; 10.	R. 140°-160°, W.-140°.
DURRES:							
14304 <i>E 3711</i>	-Kep i Duresit.	41° 18.9' N 19° 26.4' E	Fl.(2)W. period 10s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 7.3s	413 126	18	White octagonal tower; 46.	Reserve light range 10M.
14310 <i>E 3714.1</i>	-E.	41° 18.9' N 19° 28.1' E	Dir.Iso.W.R.G. period 2s	39 12	W. 7 R. 5 G. 5	Gray building; 36.	G.017°-018°30', W.-019°30', R.-021°.
14312 <i>E 3712</i>	-S. mole, head.	41° 18.2' N 19° 27.3' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	30 9	6	White column; 26.	
14316 <i>E 3714</i>	-E. breakwater, head.	41° 18.3' N 19° 27.4' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	31 9	3	White column; 26.	
14320 <i>E 3719</i>	Kep i Lagit.	41° 08.8' N 19° 26.3' E	L.Fl.W. period 6s	43 13	10	White octagonal masonry tower; 26.	
14322 <i>E 3720</i>	Karavastase.	40° 52.9' N 19° 25.5' E	Fl.W. period 8s	62 19	6		
14324 <i>E 3721</i>	Vijose, at entrance.	40° 38.9' N 19° 19.0' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	39 12	7	Metal framework structure, white bands, square daymark; 33.	
SHENGJIN:							
14328 <i>E 3723</i>	-Ishull i Sazanit, on NW. point.	40° 30.3' N 19° 16.1' E	Fl.W. period 10s	633 193	12	Round tower and dwelling; 39.	Visible 340°-197°.
14332 <i>E 3725</i>	-Shen Nokole, N. mole.	40° 30.1' N 19° 17.4' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	26 8	4	Green metal column; 23.	
14336 <i>E 3726</i>	--S. mole.	40° 30.1' N 19° 17.4' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s		4	White pyramid, octagonal base; 23.	
14337 <i>E 3726.5</i>	-Kepi i Jugor.	40° 28.5' N 19° 17.2' E	Fl.W. period 6s	59 18	6	Metal framework on stone tower; 26.	
14338 <i>E 3732.5</i>	-Kepi Gjuhezes.	40° 25.3' N 19° 17.6' E	Fl.W. period 6s fl. 1s, ec. 5s	190 58	11	White post and bunker; 154.	
GJI I VLORES:							
14340 <i>E 3728</i>	-Kep i Gallovecit, entrance, S. side.	40° 26.2' N 19° 19.5' E	Fl.W. period 5s fl. 0.2s, ec. 4.8s	59 18	5	Metal column, black stripe, white double square daymark; 23.	Visible 095°-290°.
14344 <i>E 3727</i>	-Kep i Treporteve, E. shore.	40° 30.7' N 19° 23.8' E	Fl.(2)W. period 8s fl. 1s, ec. 1s fl. 1s, ec. 5s	230 70	9	White octagonal stone tower; 33.	
14346 <i>E 3727.6</i>	-W. Breakwater.	40° 29.0' N 19° 26.0' E	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	26 8	7	Tower with red gallery; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ALBANIA							
14347 <i>E 3727.7</i>	-E. Breakwater.	40° 29.0' N 19° 26.0' E	Fl.(2)G. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	26 8	7	Tower with green gallery; 20.	
14348 <i>E 3729</i>	-Vlore, mole, head.	40° 27.0' N 19° 28.8' E	Fl.G. period 3s fl. 1s, ec. 2s	26 8	3	White tower; 20.	
14350 <i>E 3729.1</i>	-W. mole.	40° 27.0' N 19° 28.9' E	Fl.R. period 3s fl. 1s, ec. 2s	33 10	3	White tower; 26.	
14351 <i>E 3729.5</i>	-Kepi i Kalase.	40° 24.9' N 19° 28.9' E	Fl.W. period 10s fl. 1.5s, ec. 8.5s	144 44	11	White square tower; 20.	
14352 <i>E 3732</i>	-Shen Vasilit.	40° 23.0' N 19° 24.0' E	Fl.(3)W. period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4.5s	246 75	8	White octagonal tower; 20.	
14360 <i>E 3731</i>	-Gji Dukatit, on Kep i Pasha Liman.	40° 19.7' N 19° 25.2' E	Fl.(2)W. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	69 21	8	White quadrangular masonry tower; 26.	
14364 <i>E 3733</i>	Grames.	40° 13.0' N 19° 28.5' E	Fl.W. period 8s	171 52	8	Metal framework tower, gallery and column; 16.	
PORT' E PALERMOS:							
14368 <i>E 3734</i>	-Kep i Palermos.	40° 02.8' N 19° 47.5' E	Fl.W. period 8s	371 113	8	White tower; 33.	
14370 <i>E 3734.5</i>	-Pier, head.	40° 00.3' N 19° 53.4' E	Fl.R. period 3s	23 7	4		
14372 <i>E 3741</i>	Kep i Qefalit.	39° 54.6' N 19° 54.8' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	469 143	9	Green square tower; 10.	
14374 <i>E 3742.5</i>	-SE. side.	39° 50.9' N 20° 01.4' E	Fl.W. period 9s	56 17	6		
GREECE-WEST COAST-IONIOI NISOI (IONIAN ISLANDS)							
14380 <i>E 3738</i>	Nisos Othonoi.	39° 51.9' N 19° 25.3' E	Fl.W. period 10s fl. 0.7s, ec. 9.3s	338 103	21	Metal tower, masonry base; 33.	Visible 106°-040°.
14384 <i>E 3739</i>	-SW. point.	39° 50.2' N 19° 23.2' E	Fl.(2)W. period 6s fl. 0.3s, ec. 1.4s fl. 0.3s, ec. 4s	69 21	6	White round hut, column; 20.	Visible 276°-116°.
14388 <i>E 3740</i>	Nisis Errikousa, on Akra Potamopoulo.	39° 53.5' N 19° 35.9' E	Fl.(3)W. period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	161 49	6	Metal framework; 15.	Visible 141°-011°.
KERKIRA (CORFU):							
14390 <i>E 3749</i>	-Cape Aikaterini.	39° 49.3' N 19° 50.9' E	Fl.W. period 10s fl. 1s, ec. 9s	46 14	6	Metal framework; 15.	Visible 045°-285°.
14392 <i>E 3750</i>	--Nisis Peristerai.	39° 47.6' N 19° 57.6' E	Fl.R. period 5s fl. 0.4s, ec. 4.6s	75 23	8	White round tower, dwelling; 29.	Radar reflector.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE-WEST COAST-IONIOI NISOI (IONIAN ISLANDS)							
-North Channel:							
14396 <i>E 3754</i>	--Akra Psaromita.	39° 47.1' N 19° 56.9' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	30 9	4	Metal framework, green band; 16.	Visible 119°-310°.
14398 <i>E 3754.5</i>	--Serpa Bank, E. head.	39° 46.3' N 19° 57.6' E	Q.(3)W. period 10s	39 12	7	E. CARDINAL BYB, beacon, topmark; 39.	
14400 <i>E 3774</i>	-Nisis Vidhon, S. point.	39° 38.3' N 19° 55.7' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	39 12	4	White pyramid, metal framework, green band; 26.	
14414 <i>E 3755</i>	-Ormos Gouvion.	39° 39.0' N 19° 51.1' E	2 F.R. (vert.)	20 6	3	Red metal column; 13.	1 meter apart. Private light.
-Mourayia:							
14416 <i>E 3760</i>	--Breakwater, W. head.	39° 37.7' N 19° 54.7' E	Q.R.	30 9	3	White hexagonal hut, column, red band; 23.	
14423 <i>E 3762</i>	-Passenger pier, head.	39° 38.0' N 19° 54.3' E	Fl.G. period 2s fl. 0.5s, ec. 1.5s	23 7	7	Metal framework tower on white hut, green band.	
14424 <i>E 3758</i>	--Landing place.	39° 37.7' N 19° 55.2' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	21 6	4	Metal framework on white round hut, red band; 18.	
14428 <i>E 3757</i>	-Limeniskos Mandraki, breakwater, W. head.	39° 37.5' N 19° 55.7' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	4	Metal framework on white round hut, red band; 18.	
14430 <i>E 3756</i>	-Akra Sidhero, on citadel.	39° 37.4' N 19° 55.8' E	Fl.(2)W. period 6s	256 78	13	Round tower at castle; 29.	Visible 112°30'-045°.
14432 <i>E 3773</i>	-Akra Anemomilos.	39° 36.8' N 19° 55.7' E	Fl.(2)R. period 10s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 8.2s	26 8	4	Column with gallery on white hexagonal hut, red band; 24.	
14436 <i>E 3776</i>	-Akra Levkimnis.	39° 27.7' N 20° 04.4' E	Fl.W. period 6s fl. 0.5s, ec. 5.5s	26 8	7	Metal framework; 16.	
14440 <i>E 3778</i>	-Port Levkimnis, river, S. side, pier.	39° 26.2' N 20° 05.3' E	Fl.R. period 2s fl. 0.2s, ec. 1.8s	26 8	3	White metal framework, red band; 13.	
-West coast:							
14444 <i>E 3779</i>	--Vrakhoi Lagoudhia.	39° 25.1' N 19° 54.3' E	Fl.(3)W. period 14s fl. 0.3s, ec. 1.3s fl. 0.3s, ec. 1.3s fl. 0.3s, ec. 10.4s	56 17	7	Iron framework pyramid; 8.	Visible 290°-145°.
14448 <i>E 3780</i>	--Akra Kosteri.	39° 40.3' N 19° 42.8' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	79 24	5	White round hut, metal framework; 20.	
14449 <i>E 3781</i>	---Palaiokastritsas, pier, head.	39° 40.4' N 19° 42.6' E	F.R.	23 7	3	Metal column, red band; 20.	
14452 <i>E 3781.5</i>	--Akra Arilla.	39° 42.7' N 19° 39.5' E	L.Fl.W. period 7.5s fl. 2s, ec. 5.5s	95 29	4	Metal framework; 13.	Visible 269°-132°.
14456 <i>E 3782</i>	Sayiadhiaa, on the peninsula.	39° 37.5' N 20° 10.9' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	19 6	5	Skeleton tower on hut.	
14460 <i>E 3783</i>	Nisis Prasoudhi.	39° 30.6' N 20° 09.3' E	Fl.(2)W. period 9s fl. 0.7s, ec. 1.3s fl. 0.7s, ec. 6.3s	98 30	8	White pyramidal tower; 10.	
14464 <i>E 3784</i>	Ormos Igoumenitsis, on Akra Kondramourt.	39° 29.9' N 20° 13.7' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	39 12	5	Metal framework tower on hut; 20.	Visible 083°-283°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE-WEST COAST-IONIOI NISOI (IONIAN ISLANDS)							
14468 <i>E 3784.2</i>	-Pier, head.	39° 30.0' N 20° 15.6' E	2 F.R. (vert.)	30 9	5	Metal column; 23.	1 meter apart.
14472 <i>E 3785</i>	Ormos Mourtou, pier, head.	39° 24.5' N 20° 14.4' E	Fl.R. period 1.5s fl. 0.3s, ec. 1.2s	20 6	3	White round hut, metal framework, red band; 16.	Visible 091°-176°.
14476 <i>E 3786</i>	Nisis Mavro Oros.	39° 24.4' N 20° 12.6' E	Fl.(3)W. period 20s fl. 1s, ec. 3s fl. 1s, ec. 3s fl. 1s, ec. 11s	286 87	12	White tower, dwelling.	Visible 313°-236°.
14480 <i>E 3788</i>	Ormos Pargas.	39° 17.0' N 20° 23.8' E	Fl.(2)W. period 6s fl. 0.3s, ec. 1.4s fl. 0.3s, ec. 4s	82 25	6	White metal pyramid, metal framework; 23.	
14484 <i>E 3792</i>	-Lakka.	39° 14.1' N 20° 07.7' E	Fl.(3)W. period 24s fl. 0.8s, ec. 3.2s fl. 0.8s, ec. 3.2s fl. 0.8s, ec. 15.2s	210 64	20	Square stone building and dwelling; 29.	
NISOS PAXOI:							
14488 <i>E 3794</i>	-Nisis Panayia.	39° 12.2' N 20° 11.7' E	Fl.W.R. period 5s fl. 1s, ec. 4s	85 26	W. 10 R. 8	Square tower, dwelling; 36.	W. 135°-250°, R.-283°, W.-325°, obsc.-135°.
14489 <i>E 3794.7</i>	--Point Kiavari.	39° 12.3' N 20° 11.6' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	30 9	3	White metal framework, green band; 20.	
14490 <i>E 3795.6</i>	--Akra Nikolaos, NW. point.	39° 12.1' N 20° 11.3' E	Fl.R. period 2s fl. 0.2s, ec. 1.8s	26 8	3	White metal framework, red band; 20.	
14491 <i>E 3795</i>	--Limin Paxon, N. breakwater, head.	39° 11.9' N 20° 11.4' E	Fl.G. period 2s fl. 0.2s, ec. 1.8s	26 8	3	White metal framework, green band; 20.	
14491.5 <i>E 3795.7</i>	--N. entrance, on quay.	39° 12.0' N 20° 11.3' E	F.G.	23 7	3	White metal column, green band.	
14492 <i>E 3794.5</i>	--Island, NW. point.	39° 12.4' N 20° 11.7' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	36 11	3	White square hut, red band; 10.	
14494 <i>E 3791.2</i>	-Longos, breakwater, head.	39° 13.8' N 20° 09.9' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	23 7	3	White round hut with metal framework, green band.	
14496 <i>E 3796</i>	Nisis Andipaxoi, Akra Ovorou (Novarra).	39° 08.5' N 20° 14.9' E	Fl.W.R. period 5s fl. 0.3s, ec. 4.7s	135 41	W. 20 R. 15	Square masonry tower, dwelling; 36.	W. 136°-167°, R.-185°, W.-307°, R.-037°, W.-060°, obscured elsewhere. Reserve light F.W.R.
14500 <i>E 3800</i>	Ormos Nikopoleos, Akra Mitikas.	39° 00.3' N 20° 41.9' E	Fl.W.R. period 3s fl. 0.5s, ec. 2.5s	39 12	W. 7 R. 5	White square hut with metal framework on pedestal in sea; 26.	W. 347°-078°, R.-135°, W.-147°.
STENON PREVEZIS:							
14504 <i>E 3804</i>	-Entrance Range, near Fort Aktion, front.	38° 56.6' N 20° 45.6' E	Q.Y.	16 5	7	Yellow triangular daymark, on house roof.	
14508 <i>E 3804.1</i>	--Rear, about 740 meters 066° from front.	38° 56.7' N 20° 45.9' E	L.Fl.Y. period 6s	31 9	7	Metal framework tower on hut, yellow triangular daymark, point down.	
14512 <i>E 3806</i>	-Akra Akra.	38° 57.4' N 20° 45.7' E	L.Fl.W. period 7.5s fl. 2s, ec. 5.5s	13 4	5	Round metal hut.	Visible 018°-156°.
14518 <i>E 3809</i>	-Limin Preveza, W. mole, head.	38° 57.5' N 20° 45.3' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	23 7	3	Metal framework with gallery, red band.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE-WEST COAST-IONIOI NISOI (IONIAN ISLANDS)							
14520 <i>E 3808</i>	-E. mole, head.	38° 57.4' N 20° 45.3' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	20 6	4	Metal framework on white round hut, green band; 16.	
14522 <i>E 3810</i>	-Agios Thomas.	38° 57.8' N 20° 47.9' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	23 7	3	Metal framework, gallery and column, red band; 19.	
AMVRAKIKOS KOLPOS:							
14524 <i>E 3811</i>	-Akra Laskara.	38° 57.3' N 20° 49.3' E	Fl.(2)R. period 6s fl. 0.4s, ec. 1.4s fl. 0.4s, ec. 3.8s	39 12	5	Metal framework tower on square hut, red band.	Visible 246°-103°.
14532 <i>E 3824</i>	-Ormos Salaoras, mole, head.	39° 01.9' N 20° 52.3' E	Fl.G. period 8s fl. 0.8s, ec. 7.2s	19 6	5	Metal tower with column; green band.	
14533 <i>E 3822</i>	Koronisia, NW. mole, head.	39° 00.9' N 20° 54.8' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	23 7	3	Metal framework, gallery and metal column, red band; 19.	Fl.G. 3s 3M marks SE. mole head.
14536 <i>E 3820</i>	-Akra Koprainis.	39° 01.7' N 21° 04.5' E	Fl.(2)W.R. period 16s fl. 1s, ec. 2s fl. 1s, ec. 12s	29 9	W. 5 R. 3	Round masonry tower on dwelling; 29.	W. 169°-349°, R.-169°. Reserve light F.W.R.
14540 <i>E 3817</i>	-Ormos Ampilokhias, Ayios Yeoryios, on point.	38° 53.6' N 21° 09.0' E	Fl.G. period 3s fl. 0.4s, ec. 2.6s	20 6	4	Metal framework tower, green band on white hut.	Visible 125°-333°.
14542 <i>E 3818</i>	Amfilochia.	38° 52.1' N 21° 09.8' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	16 5	3	Metal framework with gallery and column, green band.	
14544 <i>E 3816</i>	-Akra Khondri Miti.	38° 54.7' N 21° 06.6' E	Fl.W. period 5s fl. 1s, ec. 4s	36 11	4	Metal framework on square hut.	Visible 074°-275°.
14548 <i>E 3814</i>	-Vonitsa, jetty, head.	38° 55.3' N 20° 53.2' E	Fl.G. period 1.5s fl. 0.3s, ec. 1.2s	23 7	4	Metal tower with column, green band.	Visible 092°-276°.
14556 <i>E 3812</i>	-Akra Panayia.	38° 57.3' N 20° 51.7' E	L.Fl.G. period 7.5s	19 6	3	White lantern house, green band; 15.	
NISOS LEVKAS:							
14560 <i>E 3832</i>	-Citadel, N. battlement.	38° 50.8' N 20° 43.2' E	Fl.(2)W.R. period 12s fl. 1s, ec. 2s fl. 1s, ec. 8s	57 17	W. 8 R. 5	White square masonry tower, dwelling; 19.	R. 075°-120°, W.-255°.
14564 <i>E 3834</i>	-Dhiorix Levkadhos, N. mole, head.	38° 50.9' N 20° 43.3' E	Fl.G. period 1.5s	33 10	3	Metal framework tower on hut, green band.	
14568 <i>E 3835</i>	-Nisis Sesoula.	38° 41.8' N 20° 32.4' E	Fl.W. period 4.5s fl. 0.5s, ec. 4s	121 37	8	Iron tower and mast.	
14572 <i>E 3836</i>	-Akra Dhoukaton.	38° 33.8' N 20° 32.5' E	Fl.W. period 10s fl. 0.2s, ec. 9.8s	229 70	20	Round tower on house; 49.	
14576 <i>E 3837</i>	-Ormos Vasilikis, pier, head.	38° 37.7' N 20° 36.4' E	F.G.	16 5	3	White metal column.	Visible 037°-314°.
14580 <i>E 3840</i>	Akra Eliar.	38° 40.0' N 20° 48.5' E	Fl.W.R. period 8s fl. 1s, ec. 7s	39 12	W. 10 R. 7	Column on white round hut; 15.	R. 070°-165°, W.-019°, obscured elsewhere.
14584 <i>E 3842</i>	-Nisis Volios, Ormos Dhrepanov, NE. side.	38° 47.7' N 20° 43.7' E	Fl.W.R. period 1.5s fl. 0.2s, ec. 1.3s	26 8	W. 5 R. 3	House.	R. 293°-335°, W.-181°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE-WEST COAST-IONIOI NISOI (IONIAN ISLANDS)							
14588 <i>E 3844</i>	--Akra Kefali.	38° 45.4' N 20° 45.9' E	Fl.W. period 4s fl. 0.4s, ec. 3.6s	36 11	5	Metal column on round hut.	Visible 292°-162°.
14592 <i>E 3850</i>	Palairos (Zaverdha), mole, head.	38° 46.9' N 20° 52.8' E	Fl.G. period 1.5s fl. 0.3s, ec. 1.2s	23 7	3	White round hut with framework, green band; 19.	
14596 <i>E 3852</i>	Akra Kamilafka.	38° 40.2' N 20° 55.5' E	Fl.(3)W. period 10s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 6.7s	75 23	7	Iron tower.	
14600 <i>E 3853</i>	Akra Mitika.	38° 40.6' N 20° 56.7' E	Fl.W. period 1.5s fl. 0.3s, ec. 1.2s	20 6	4	White round hut, metal framework; 18.	Visible 278°-149°.
14604 <i>E 3854</i>	Nisos Kalamos, Akra Astroyiali.	38° 39.1' N 20° 57.5' E	Fl.W. period 10s fl. 1s, ec. 9s	46 14	5	Metal framework on white square hut; 20.	
14608 <i>E 3855</i>	-Limeniskos Kalamos.	38° 37.4' N 20° 56.0' E	Fl.R. period 3s fl. 0.4s, ec. 2.6s	20 6	3	Metal framework on white square hut, red band; 20.	
14609	-Episkopi Kalamou.	38° 38.9' N 20° 55.6' E	Fl.R. period 3s fl. 0.6s, ec. 2.4s	23 7	8	Metal framework with gallery metal column, red band; 19.	
14610 <i>E 3857</i>	Nisis Kastos, W. side.	38° 33.9' N 20° 54.1' E	Fl.G. period 4s fl. 0.5s, ec. 3.5s	23 7	3	Metal framework with gallery, metal column and green band; 20.	
14611 <i>E 3856</i>	-E. side.	38° 34.1' N 20° 54.7' E	Fl.R. period 4s fl. 1s, ec. 3s	20 6	5	Metal framework tower, column and red band.	
14612 <i>E 3846</i>	Nisis Formikoula.	38° 34.0' N 20° 51.3' E	Fl.W.R. period 3s fl. 0.5s, ec. 2.5s	56 17	W. R. 8 5	House, white lantern; 15.	W. 180°-000°, R.-180°.
14614 <i>E 3848</i>	Nisidha Atokos.	38° 28.4' N 20° 48.4' E	Fl.W. period 6s fl. 0.6s, ec. 5.4s	82 25	10	White metal framework, gallery, metal column.	
14616 <i>E 3896</i>	Nisis Kaloyeros, NE. peak.	38° 29.6' N 21° 01.9' E	Fl.W. period 4s fl. 0.4s, ec. 3.6s	138 42	8	Round lantern house; 13.	Visible 083°-316°.
14620 <i>E 3898</i>	Ormos Astakou, pier, head.	38° 31.9' N 21° 04.9' E	Fl.R. period 4s fl. 0.5s, ec. 3.5s	20 6	3	Metal tower, red band; 18.	
14624 <i>E 3900</i>	Ormos Platyiiali, Akra Karloglossa.	38° 28.5' N 21° 05.0' E	Q.R.	26 8	3	Metal framework tower, red band; 16.	
14625 <i>E 3901</i>	-Platygiiali Bay, N. entrance.	38° 28.5' N 21° 05.3' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	30 9	3	Metal framework with gallery and column, red band.	
14626 <i>E 3901.2</i>	--S. entrance.	38° 28.2' N 21° 05.7' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	23 7	3	Metal framework with gallery and column, green band.	
14627 <i>E 3901.5</i>	Nisidha Provati.	38° 27.3' N 21° 02.7' E	Fl.W. period 5s fl. 0.4s, ec. 4.6s	33 10	6	White metal framework, gallery, metal column.	
14628 <i>E 3902</i>	Nisis Pondikos, NW. extremity.	38° 27.5' N 21° 03.7' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework with gallery, metal column, green band.	
14630 <i>E 3903</i>	Vrakhos Navalion.	38° 26.5' N 21° 02.8' E	Fl.(2)W. period 10s fl. 0.4s, ec. 1s fl. 0.4s, ec. 8.2s	26 8	6	ISOLATED DANGER BRB, beacon, topmark.	
14632 <i>E 3904</i>	Nisis Petalas, Akra Aspro.	38° 23.7' N 21° 06.1' E	Fl.W. period 2s fl. 0.3s, ec. 1.7s	39 12	4	White round hut with column; 19.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE-WEST COAST-IONIOI NISOI (IONIAN ISLANDS)							
14634 <i>E 3905</i>	Vrakhonisdha Makri.	38° 22.4' N 21° 01.5' E	Fl.W. period 4s fl. 0.4s, ec. 3.6s	30 9	6	White metal framework, gallery, metal column.	
14636 <i>E 3906</i>	Nisis Makropoula (Kouneli).	38° 21.1' N 21° 03.2' E	Fl.W. period 8s fl. 1s, ec. 7s	92 28	6	Metal round hut, red band.	
14640 <i>E 3908</i>	Akra Oxia.	38° 17.1' N 21° 06.0' E	Fl.(2)W. period 15s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 9.9s	230 70	17	Round tower on house; 26.	
NISOS ITHAKI:							
14644 <i>E 3866</i>	-Akra Pisaetou.	38° 21.8' N 20° 40.0' E	Fl.W. period 5s fl. 0.3s, ec. 4.7s	65 20	6	Round hut.	
14648 <i>E 3858</i>	-Akra Ayiou Nikolaou.	38° 29.4' N 20° 40.8' E	Fl.(3)W. period 15s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 11.7s	49 15	7	White metal beacon on square hut.	Visible 147°-335°.
14652 <i>E 3859</i>	-Ormos Frikas, S. mole, head.	38° 27.6' N 20° 39.9' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	19 6	3	Metal framework on hut, red band; 18.	
14654 <i>E 3859.5</i>	-Ormos Kioni, mole, head.	38° 27.0' N 20° 41.6' E	F.G.	26 8	3	Green metal column.	
14656 <i>E 3860</i>	-Limni Vathi.	38° 23.1' N 20° 42.2' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	82 25	5	Metal framework; 13.	
14660 <i>E 3861</i>	--Skartsoumbonisi.	38° 22.6' N 20° 42.0' E	Fl.G. period 4s fl. 0.3s, ec. 3.7s	29 9	3	Metal tower on column, green band.	Visible 018°-322°.
14664 <i>E 3862</i>	--Nisis Loimokathartirion.	38° 22.2' N 20° 42.8' E	Q.G.	26 8	2	Hut, concrete column, green band.	
14668 <i>E 3864</i>	-Akra Ayiou Ioannou.	38° 19.2' N 20° 46.1' E	Fl.W. period 10s fl. 1s, ec. 9s	39 12	10	Metal framework on square hut; 20.	
NISOS KEFALLINIA:							
14672 <i>E 3876</i>	-Akra Fiskardhon.	38° 27.7' N 20° 35.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	92 28	7	Square masonry tower; 39.	Obscured by shore on bearings eastward of 155°.
14676 <i>E 3874</i>	-Ormos Ayios Evfemias, mole, head.	38° 18.2' N 20° 36.1' E	Q.G.	20 6	3	Metal framework with gallery, green band; 18.	
14680 <i>E 3872</i>	-Sami, mole, head.	38° 15.3' N 20° 38.8' E	Fl.R. period 2s fl. 0.5s, ec. 1.5s	30 9	4	Metal framework with gallery and metal column, red band; 21.	
14684 <i>E 3870</i>	-Akra Dhik Halia.	38° 16.9' N 20° 40.6' E	Fl.(2)R. period 8s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	56 17	5	Metal framework on white round hut, red band; 18.	
14688 <i>E 3869.4</i>	-Ormos Porou, pier, head.	38° 08.9' N 20° 46.9' E	Q.G.	23 7	3	Metal framework on round hut, green band; 16.	
14690 <i>E 3869.42</i>	--NE. mole, head.	38° 08.9' N 20° 46.9' E	Fl.R. period 4s fl. 0.4s, ec. 3.6s	26 8	5	Metal framework with gallery and metal column, red band.	
14692 <i>E 3869.7</i>	-Akra Sarakini.	38° 09.0' N 20° 47.2' E	Fl.W. period 4s fl. 0.3s, ec. 3.7s	52 16	5	White round hut with metal framework; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE-WEST COAST-IONIOI NISOI (IONIAN ISLANDS)							
14696 <i>E 3869</i>	-Akra Kapri.	38° 06.5' N 20° 48.9' E	Fl.(3)W.R. period 9s fl. 0.8s, ec. 1.5s fl. 0.8s, ec. 1.5s fl. 0.8s, ec. 3.6s	66 20	W. 6 R. 4	Metal framework tower on round hut; 13.	W. 190°-354°, R.-017°.
14700 <i>E 3868</i>	-Akra Katelios.	38° 03.8' N 20° 44.6' E	Fl.(2)W.R. period 15s fl. 0.6s, ec. 2.4s fl. 0.6s, ec. 11.4s	351 107	W. 11 R. 8	White round hut with metal framework; 19.	R. 262°-302°, W.-100°.
14704 <i>E 3882</i>	-Nisis Vardhianoi, Kolpos Argostolin, entrance..	38° 08.1' N 20° 25.7' E	Fl.W.R. period 7.5s fl. 0.7s, ec. 6.8s	36 11	W. 6 R. 4	Round stone tower; 26.	R. 200°-222°, W.-080°, R.-107°, obsc.-200°.
14708 <i>E 3890</i>	--Akra Ayios Theodoros.	38° 11.5' N 20° 28.1' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	36 11	5	Round white building on column.	
-Kolpos Argostoliou:							
14712 <i>E 3892</i>	--Argostolion, shoal, E. head.	38° 11.2' N 20° 29.5' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	13 4	3	Metal tower; 10.	
14716 <i>E 3884</i>	--Lixourion, S. mole, head.	38° 12.0' N 20° 26.6' E	Fl.R. period 1.5s fl. 0.3s, ec. 1.2s	23 7	3	White hexagonal hut with column, red band; 22.	Visible 009°-345°. Fl. G. 1.5s marks head of N. mole.
14720 <i>E 3880</i>	-Akra Yerogombos.	38° 10.9' N 20° 20.4' E	L.Fl.(2)W. period 15s fl. 3s, ec. 2s fl. 3s, ec. 7s	190 58	24	Round masonry tower, dwelling; 42.	Obscured when bearing more than 151°.
NISOS ZAKINTHOS:							
14724 <i>E 3984</i>	-Akra Skinari.	37° 56.0' N 20° 42.0' E	Fl.W. period 5s fl. 0.3s, ec. 4.7s	216 66	20	Round masonry tower, dwelling; 29.	
14726 <i>E 3985</i>	-Ayios Nikolaos.	37° 54.4' N 20° 42.8' E	Fl.W. period 2s fl. 0.3s, ec. 1.7s	33 10	7	White round hut with metal framework.	
14728 <i>E 3986</i>	-Akra Krioneri.	37° 48.4' N 20° 54.3' E	Fl.(2)W. period 16s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 12.5s	69 21	6	White square concrete hut; 26.	
14736 <i>E 3989</i>	-Zakinthou, S. breakwater, head.	37° 46.9' N 20° 54.2' E	Fl.R. period 1.5s fl. 0.3s, ec. 1.2s	26 8	4	Column with gallery on white hexagonal hut, red band; 25.	
14737 <i>E 3988</i>	--N. breakwater, head.	37° 46.9' N 20° 54.4' E	Fl.G. period 1.5s	33 10	5	Column and gallery on square concrete building, green band; 26.	
14740 <i>E 3990</i>	-Akra Kerion.	37° 39.3' N 20° 48.5' E	Fl.W. period 10s fl. 0.4s, ec. 9.6s	636 194	17	Round tower on dwelling; 23.	
PATRAIKOS KOLPOS:							
14744 <i>E 3910</i>	-Akra Araxos.	38° 12.9' N 21° 22.4' E	L.Fl.(2)W. period 20s fl. 2s, ec. 6s fl. 2s, ec. 10s	23 7	10	Metal framework; 16.	
14750 <i>E 3916.5</i>	-Lakkopetra.	38° 10.7' N 21° 29.4' E	Fl.Y. period 3s fl. 0.3s, ec. 2.7s	20 6	3	Yellow metal framework tower with column and gallery.	
14752 <i>E 3918</i>	-Limniskos Alikon, Kato Akhaia, pier, head.	38° 09.4' N 21° 32.2' E	Fl.W.R. period 3s fl. 0.3s, ec. 2.7s	26 8	W. 5 R. 3	Metal framework with gallery and column; 20.	W. 120°-269°, R.-120°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE-WEST COAST-IONIOI NISOI (IONIAN ISLANDS)							
14756 <i>E 3912</i>	-Nisis Ayios Sostis.	38° 19.1' N 21° 22.3' E	Fl.W.R. period 5s fl. 0.1s, ec. 4.9s	39 12	W. 17 R. 14	White round masonry tower; 37.	R. 293°-010°, W.-059°, obsc.- 198°, W.-203°, obscured elsewhere. Reserve light F.W. Visibility may be considerably reduced during the summer.
14761 <i>E 3928</i>	-Marina Patron, breakwater, N. head.	38° 16.0' N 21° 44.3' E	F.G.	20 6	1	Hexagonal hut, column; 20.	
14761.5 <i>E 3928.2</i>	--Breakwater, S. head.	38° 15.6' N 22° 44.2' E	F.R.	16 5	1	White metal column, red band.	
14763 <i>E 3919</i>	--Breakwater, head.	38° 15.6' N 21° 44.0' E	Fl.G. period 5s fl. 1s, ec. 4s	39 12	8	Metal framework; 13.	
14763.5 <i>E 3919.2</i>	--Provlita Astingos, head.	38° 15.2' N 21° 44.1' E	Fl.R. period 5s fl. 1s, ec. 4s	23 7	8	White metal framework, red band; 20.	
14764 <i>E 3926</i>	--Molos Kalavritas, head.	38° 14.9' N 21° 43.7' E	Fl.G. period 1.5s fl. 0.3s, ec. 1.2s	23 7	3	Metal framework on square hut, green band; 20.	
14768 <i>E 3927</i>	Ayios Andreas, mole, head.	38° 14.8' N 21° 43.6' E	Fl.G. period 6s fl. 1s, ec. 5s	26 8	10	Metal column with gallery, green band.	
14776 <i>E 3920</i>	--Detached breakwater, elbow.	38° 15.3' N 21° 44.0' E	Fl.G. period 1.5s fl. 0.3s, ec. 1.2s	10 3	3	Metal tower, green band; 7.	Visible 180°-035°.
14780 <i>E 3936</i>	--Akra Ayia.	38° 16.9' N 21° 44.6' E	Fl.(2)G. period 6s fl. 0.5s, ec. 1.2s fl. 0.5s, ec. 3.8s	23 7	4	Metal framework; 13.	
KORINTHIAKOS KOLPOS:							
14784 <i>E 3938</i>	-Akra Andirrion, entrance, N. side.	38° 19.6' N 21° 45.9' E	Fl.(2)W. period 10s fl. 0.8s, ec. 2.2s fl. 0.8s, ec. 6.2s	52 16	10	Round tower, dwelling; 30.	
14788 <i>E 3940</i>	-Akra Rion.	38° 18.7' N 21° 46.7' E	Fl.W. period 6s fl. 1s, ec. 5s	52 16	6	Metal framework on white round hut.	
14792 <i>E 3942</i>	-Navpaktos.	38° 23.5' N 21° 49.7' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	43 13	3	Metal column; 20.	
14796 <i>E 3946</i>	-Akra Mornos.	38° 22.1' N 21° 52.4' E	Fl.(3)W. period 15s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 11.7s	23 7	7	Metal framework on square hut; 20.	
14798 <i>E 3954.2</i>	-Akra Marathias, W. mole, head.	38° 23.4' N 22° 00.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	20 6	3	Metal framework, gallery, metal column, red band; 16.	
14798.5 <i>E 3954.22</i>	--E. mole, head.	38° 23.4' N 22° 00.0' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	20 6	3	Metal framework, gallery, metal column, green band; 16.	
14800 <i>E 3952</i>	-Nisis Trizonia, E. side.	38° 22.0' N 22° 04.7' E	Fl.W. period 4s fl. 0.8s, ec. 3.2s	33 10	4	Iron column on hut.	
14804 <i>E 3956</i>	-Akra Psaromita.	38° 19.2' N 22° 10.9' E	Fl.(2)W. period 15s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 9.9s	213 65	21	Round masonry tower, dwelling; 30.	Visible 226°-143°.
14808 <i>E 3957</i>	-Eratini, W. pier, head.	38° 21.6' N 22° 13.7' E	2 F.R. (vert.)	23 7	3	Metal column, red band.	1 meter apart.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE-WEST COAST-IONIOI NISOI (IONIAN ISLANDS)							
14808.5 <i>E 3957.5</i>	-Ormos Panormou, N. mole head.	38° 21.6' N 22° 15.1' E	Fl.R. period 3s	26 8	4	Metal framework with gallery, metal column and red band.	
14812 <i>E 3958</i>	-Akra Andromakhi.	38° 20.0' N 22° 22.7' E	Fl.(3)W. period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	46 14	10	Metal framework tower on round hut; 16.	Visible 235°-087°.
14816 <i>E 3960</i>	-Ormos Galaxidiou, Nisis Apsifia.	38° 22.7' N 22° 24.0' E	Fl.W. period 7s fl. 0.6s, ec. 6.4s	43 13	5	Metal framework tower on hut.	Visible 111°-357°.
14820 <i>E 3962</i>	-Ormos Galaxidiou.	38° 22.8' N 22° 23.2' E	Fl.R.G. period 1.5s fl. 0.3s, ec. 1.2s	36 11	3	Metal framework on round hut; 16.	R. 080°-216°, G.-347°, obs.-080°.
14822 <i>E 3963.2</i>	-Itea, pier, (T head).	38° 25.9' N 22° 25.5' E	Q.R.	23 7	5	Metal framework tower, gallery, metal column and red band.	
14824 <i>E 3963</i>	-Itea, pier, head.	38° 25.8' N 22° 25.5' E	Fl.R.G. period 3s fl. 0.4s, ec. 2.6s	29 9	4	White hexagonal hut, column and gallery.	G. 295°-355°, R.-030°, G.-111°.
14828 <i>E 3964</i>	-Akra Makri-Nicolaos.	38° 17.0' N 22° 33.0' E	Fl.W. period 4.5s fl. 0.4s, ec. 4.1s	59 18	5	White pyramid; 13.	
14832 <i>E 3970</i>	-Ormos Andikiron, entrance, W. side.	38° 21.6' N 22° 38.8' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	62 19	4	Framework tower on hut.	
14833 <i>E 3970.5</i>	--Andikira Harbor, mole, head.	38° 22.5' N 22° 37.9' E	Fl.G. period 4s fl. 0.5s, ec. 3.5s	33 10	7	Round tower on house.	
14834 <i>E 3965</i>	-Saranti Bay.	38° 14.0' N 22° 53.2' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework with gallery, red band.	
14834.3 <i>E 3965.03</i>	-Fonas, W. head.	38° 10.4' N 22° 56.7' E	Fl.(2)W. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	52 16	7	Metal framework.	
14834.7 <i>E 3965.07</i>	--E. head.	38° 10.6' N 22° 58.3' E	Fl.R. period 4s fl. 0.4s, ec. 3.6s	33 10	4	Metal framework, red band.	
14835 <i>E 3965.1</i>	-Grompoloura.	38° 10.9' N 22° 58.9' E	Fl.G. period 4s fl. 0.3s, ec. 3.7s	23 7	4	Metal framework, green band.	
14835.3 <i>E 3965.13</i>	-Cape Tsarla.	38° 11.4' N 22° 58.1' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	20 6	4	Metal framework, red band.	
14835.7 <i>E 3965.16</i>	-Cape Ioannis.	38° 12.7' N 22° 57.3' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	4	Metal framework, green band.	
14836 <i>E 3965.2</i>	-Alyki Bay.	38° 11.8' N 23° 02.8' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework with gallery, red band.	
14838 <i>E 3965.4</i>	-Vasileios Bay.	38° 10.9' N 23° 08.5' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework with gallery, green band.	
14840 <i>E 3971</i>	-Germaino, W. mole, head.	38° 09.5' N 23° 13.2' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	23 7	3	Metal framework, gallery and column, red band.	Fl.G. 2s marks E. mole head.
14844 <i>E 3972</i>	-Akra Melangavi.	38° 01.7' N 22° 51.0' E	Fl.W. period 10s fl. 0.3s, ec. 9.7s	197 60	19	Square masonry tower and dwelling; 43.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE-WEST COAST-IONIOI NISOI (IONIAN ISLANDS)							
-Korinthos:							
14848 <i>E 3974</i>	--Loutraki, pier, head.	37° 58.7' N 22° 58.4' E	F.R.	19	1	Metal column.	
14852 <i>E 3976</i>	--Posidhonia, Dhiorix Korinthou, entrance, N. mole, head.	37° 57.0' N 22° 57.0' E	Iso.R. period 2s	33 10	10	Metal framework column.	Dhiorix Korinthou is lighted by electric lights. A W. light shown from flagstaff indicates that vessels can enter, 2 W. lights prohibit entry.
14856 <i>E 3977</i>	---S. mole, head.	37° 57.1' N 22° 57.5' E	Iso.G. period 2s	33 10	10	Metal framework column.	
14857 <i>E 3978.9</i>	--S. mole, head.	37° 56.4' N 22° 56.2' E	F.R.	20 6	3	PORT (A) R, beacon; 16.	
14857.1 <i>E 3978.91</i>	--N. mole, head.	37° 56.5' N 22° 56.2' E	F.G.	23 7	3	STARBOARD (A) G, beacon; 16.	
14860 <i>E 3979</i>	--Pierhead, about 2.4 km. 250° from Posedhonia, S. mole.	37° 57.0' N 22° 56.0' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	33 10	3	White column with gallery green band on white hexagonal hut.	
14864 <i>E 3973</i>	-Kiaton, jetty, head.	38° 01.0' N 22° 45.0' E	Fl.G. period 3s fl. 1s, ec. 2s	30 9	6	Metal framework with gallery, column, green band; 19.	
14864.1	--N. mole, head.	38° 00.7' N 22° 45.2' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework with gallery, metal column and red band.	
14865 <i>E 3973.6</i>	-Kato Assos. Fishing Harbour. Outer S Mole.	37° 57.2' N 22° 50.1' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework, gallery, column with red band; 19	
14866 <i>E 3968.2</i>	-Xylokastro, S. mole.	38° 04.9' N 22° 37.5' E	F.R.	26 8	3	Metal column, red band.	
14868 <i>E 3967</i>	-Akra Likoporia.	38° 08.0' N 22° 29.0' E	Fl.(2)W. period 16s fl. 1s, ec. 2s fl. 1s, ec. 12s	56 17	10	Iron framework tower with gallery, on hut; 49.	Visible 109°-297°.
14872 <i>E 3950</i>	-Ormos Aiyon, S. side of gulf, pier, head.	38° 15.0' N 22° 05.0' E	Fl.R. period 1.5s fl. 0.2s, ec. 1.3s	26 8	6	Metal framework on hut; 16.	
14876 <i>E 3948</i>	-Akra Dhrepanon.	38° 20.0' N 21° 51.0' E	Fl.W. period 10s fl. 0.3s, ec. 9.7s	33 10	10	Round tower on dwelling; 29.	
14877 <i>E 3948.5</i>	-Arakhovitika, fishing harbor, mole, head.	38° 19.8' N 21° 50.5' E	Fl.G. period 4s fl. 1s, ec. 3s	20 6	5	Metal framework with gallery, metal column and green band; 16.	
14878 <i>E 3995.5</i>	Kyllini, Fishing Harbor, S. Mole, head.	37° 56.1' N 21° 09.0' E	Fl.R. period 3s	23 7	3	Metal framework with gallery, metal column and red band.	
14879 <i>E 3995.6</i>	--N. Mole, head.	37° 56.2' N 21° 09.0' E	Fl.G. period 3s	23 7	3	Metal framework with gallery, metal column and green band.	
14880 <i>E 3996</i>	Nisis Kavkalidha.	37° 56.5' N 21° 07.1' E	L.Fl.W.R. period 10s fl. 2s, ec. 8s	69 21	W. 12 R. 9	Square masonry tower, dwelling; 49.	W. 016°-059°, R.-092°, W.- 211°, obs.-016°. Reserve light F.W.R.
14884 <i>E 3997</i>	Akra Tripiti.	37° 51.0' N 21° 07.0' E	Fl.(3)W. period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	23 7	7	Metal framework on white round hut; 17.	Visible 291°-149°.
14888 <i>E 3997.5</i>	<i>Gastouni, LIGHTFLOAT.</i>	37° 47.1' N 21° 14.0' E	Fl.Y. period 2s	26 8	3	Black float, framework tower; 26.	
14892 <i>E 3998</i>	Akra Katakolon.	37° 38.0' N 21° 19.0' E	Fl.W. period 4s fl. 1s, ec. 3s	161 49	15	Octagonal gray masonry tower and dwelling; 29.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE-WEST COAST-IONIOI NISOI (IONIAN ISLANDS)							
14896 <i>E 4000</i>	Ormos Katakoulou, pier, head.	37° 38.8' N 21° 19.6' E	Fl.R. period 5s fl. 0.8s, ec. 4.2s	33 10	10	White round hut with red band; 29.	
NISOI STROFADHES:							
14900 <i>E 4004</i>	-Nisis Stamfani.	37° 15.2' N 21° 00.3' E	Fl.(2)W. period 15s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 9.9s	127 39	17	Square tower and dwellings; 36.	
14904 <i>E 4006</i>	Nisis Proti, S. point.	37° 02.0' N 21° 33.0' E	Fl.W. period 1.5s fl. 0.3s, ec. 1.2s	32 10	6	White round hut.	
ORMOS NAVARINOU:							
14908 <i>E 4008</i>	-Nisis Pilos, SE. point, N. side of entrance to bay.	36° 54.4' N 21° 40.4' E	Fl.(2)W. period 10s fl. 0.4s, ec. 1.2s fl. 0.4s, ec. 8s	118 36	7	Metal framework with gallery.	Visible 190°-146°.
14912 <i>E 4009</i>	-Akra Neokastron.	36° 54.8' N 21° 41.3' E	Fl.G. period 3s fl. 0.4s, ec. 2.6s	49 15	6	Column on concrete hut	
14916 <i>E 4010</i>	-Pilos, pier, head.	36° 55.0' N 21° 41.7' E	F.G.	13 4	3	Metal framework pillar; 10.	Fl.G. 3s 3M and Fl.R. 3s 3M mark marina 600 meters ENE.
14917 <i>E 4010.2</i>	--Mole, head.	36° 55.0' N 21° 41.8' E	F.G.	20 6	3	Metal framework.	
14920 <i>E 4011</i>	-Nisis Helonisi.	36° 57.0' N 21° 41.0' E	Fl.W.R. period 3s fl. 0.3s, ec. 2.7s	36 11	W. 4 R. 2	Concrete column on hexagonal pedestal, red band.	W. 113°-095°, R.-113°.
14924 <i>E 4014</i>	Methoni, pier, head.	36° 49.0' N 21° 42.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	20 6	3	White round hut with column, red band; 13.	
NISIS SAPIENTZA:							
14928 <i>E 4015</i>	-N. point (Akra Karsi).	36° 48.0' N 21° 42.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	72 22	5	Quadrangular iron pyramid; 8.	Visible 046°-296°.
14932 <i>E 4016</i>	-S. summit.	36° 44.5' N 21° 41.8' E	Fl.(3)W. period 20s fl. 0.2s, ec. 3.1s fl. 0.2s, ec. 3.1s fl. 0.2s, ec. 13.2s	381 116	18	Octagonal tower, dwelling; 31.	Visible 305°-172°.
14940 <i>E 4017</i>	Nisis Venetiko, N. point.	36° 42.0' N 21° 53.0' E	Fl.W. period 9s fl. 0.5s, ec. 8.5s	26 8	7	Metal framework on white round hut; 18.	
MESSINIAKOS KOLPOS:							
14944 <i>E 4018</i>	-Koroni, mole, head.	36° 48.0' N 21° 58.0' E	Fl.R. period 1.5s fl. 0.2s, ec. 1.3s	26 8	3	Metal framework on round hut.	
14948 <i>E 4020</i>	-Akra Livadhia.	36° 48.0' N 21° 58.0' E	Fl.W. period 1.5s fl. 0.4s, ec. 1.1s	62 19	5	Metal framework on white round hut; 18.	Visible 126°-039°.
14952 <i>E 4022</i>	-Akra Petalidhi.	36° 58.0' N 21° 56.0' E	Fl.W. period 4s fl. 0.4s, ec. 3.6s	23 7	5	Metal framework on white round hut; 18.	
14954 <i>E 4031</i>	-Marina. S Breakwater. Head.	37° 01.4' N 22° 06.3' E	Fl. G. period 3s fl. 0.3s, ec. 2.7s	33 10	3	Metal framework tower with gallery, green band.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE-WEST COAST-IONIOI NISOI (IONIAN ISLANDS)							
14955 <i>E 4031.2</i>	--N Breakwater. Head.	37° 01.5' N 22° 06.3' E	Fl. R. period 3s fl. 0.3s, ec. 2.7s	33 10	3	Metal framework tower with gallery, red band.	
14956 <i>E 4026</i>	-Kalamai, S. jetty, head.	37° 01.0' N 22° 07.0' E	Fl.R. period 1.5s fl. 0.2s, ec. 1.3s	33 10	3	Concrete column, hut.	
14960 <i>E 4030</i>	--Inner mole, head.	37° 01.3' N 22° 06.9' E	Q.G.	20 6	3	Concrete column on pedestal, green band.	
14964 <i>E 4028</i>	--New E. mole, head.	37° 00.8' N 22° 07.5' E	Fl.G. period 1.5s fl. 0.2s, ec. 1.3s	30 9	3	Hut, concrete column.	
14968 <i>E 4032</i>	-Akra Kitries.	36° 55.0' N 22° 07.0' E	Fl.(2)W. period 12s fl. 0.8s, ec. 1.4s fl. 0.8s, ec. 9s	105 32	7	Square tower on dwelling; 36.	
14972 <i>E 4036</i>	-Kardhamili, jetty, N.	36° 53.0' N 22° 14.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	33 10	5	Metal column on white round hut; 16.	Visible 352°-093°.
14976 <i>E 4038</i>	-Selenitsa.	36° 49.0' N 22° 18.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	33 10	5	Metal column on round hut.	
14980 <i>E 4040</i>	-Ormos Limeniou, entrance, S. side.	36° 40.7' N 22° 22.2' E	Fl.W. period 1.5s fl. 0.2s, ec. 1.3s	46 14	6	Metal framework tower on pedestal; 7.	
14984 <i>E 4042</i>	-Mezapos.	36° 32.7' N 22° 23.3' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	52 16	5	Iron truncated pyramid; 8.	
LAKONIKOS KOLPOS:							
14988 <i>E 4044</i>	-Gerolimena.	36° 28.6' N 22° 23.7' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	59 18	6	Metal framework tower on pedestal; 18.	
14992 <i>E 4048</i>	-Akra Tainaron.	36° 23.1' N 22° 28.8' E	Fl.(2)W. period 20s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 17.3s	135 41	22	Square masonry tower, dwelling; 52.	
15000 <i>E 4050</i>	-Porto Kayio, Akra Tainaron, E. side.	36° 25.8' N 22° 29.3' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	64 20	8	White pedestal.	Visible 220°-327°.
15004 <i>E 4051</i>	-Ormos Melingani.	36° 30.6' N 22° 29.3' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	49 15	4	Metal framework tower on pedestal, green band.	Visible 183°-015°.
15008 <i>E 4052</i>	-Limin Yithion, Nisis Kranai, E. head.	36° 45.1' N 22° 34.5' E	Fl.(3)W. period 18s fl. 1s, ec. 3s fl. 1s, ec. 3s fl. 1s, ec. 9s	82 25	14	Octagonal tower on dwelling; 75.	
15012 <i>E 4054</i>	--Jetty, head.	36° 45.3' N 22° 34.1' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework tower, red band.	
15016 <i>E 4058</i>	-Molaon, E. side of gulf, mole, head.	36° 45.0' N 22° 47.8' E	Fl.G. period 1.5s fl. 0.2s, ec. 1.3s	33 10	3	Metal framework tower on pedestal, green band.	
15020 <i>E 4060</i>	-Akra Xilis.	36° 39.3' N 22° 49.2' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	39 12	5	Metal framework tower on pedestal.	Visible 191°-042°.
15024 <i>E 4062</i>	-Ormos Xilis, Plitra, mole, head.	36° 41.2' N 22° 50.3' E	Q.G.	26 8	3	Metal framework; 8.	
15028 <i>E 4073</i>	Vrakhos Stavros.	36° 30.8' N 22° 58.7' E	Fl.R.G. period 1.5s fl. 0.3s, ec. 1.2s	20 6	3	Metal framework on white round hut; 18.	R. 000°-180°, G. elsewhere.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE-WEST COAST-IONIOI NISOI (IONIAN ISLANDS)							
15030 <i>E 4073.6</i>	Neapoli. Mole. NW Head.	36° 30.5' N 23° 03.5' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework, gallery, metal column and green band.	
15036 <i>E 4074</i>	Ormos Vatika.	36° 29.2' N 23° 03.9' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	52 16	7	White round hut; 12.	
15040 <i>E 4076</i>	Akra Zovollo.	36° 25.7' N 23° 07.8' E	Fl.W. period 7s fl. 1s, ec. 6s	43 13	12	White round hut.	Visible 263°-095°.
15044 <i>E 4078</i>	Akra Maleas.	36° 27.1' N 23° 12.1' E	Fl.W. period 10s fl. 0.3s, ec. 9.7s	131 40	17	Square tower, dwelling; 49.	Visible 175°-345°.
NISOS KITHIRA:							
15048 <i>E 4066</i>	-Akra Spathi.	36° 22.7' N 22° 57.8' E	Fl.(3)W. period 30s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 19.9s	374 114	20	Round masonry tower, dwelling; 82.	Visible 062°-319°.
15050 <i>E 4071</i>	-Ayia Pelayia.	36° 19.6' N 22° 59.1' E	Fl.R. period 1.5s fl. 0.1s, ec. 1.4s	19 6	3	White framework tower on pedestal, red band.	
15051 <i>E 4067</i>	-Kapsali, pier, head.	36° 08.6' N 23° 00.0' E	F.G.	33 10	3	White metal column with green band; 33.	
15052 <i>E 4068</i>	-Ormos Kapsaliou, E. side.	36° 08.5' N 22° 59.9' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	79 24	10	White tower on dwelling; 26.	Visible 327°-030°.
15060 <i>E 4070</i>	-Ormos Ayiou Nikolaou, entrance, SE. side.	36° 13.3' N 23° 04.8' E	Fl.G. period 1.5s fl. 0.2s, ec. 1.3s	26 8	3	Metal column on pedestal, green band.	
15062 <i>E 4070.3</i>	-Diakofti, mole, head.	36° 16.2' N 23° 04.6' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	30 9	3	Metal framework tower, red band.	
15064 <i>E 4065</i>	-Vrakhonisis Andidhronera.	36° 14.2' N 23° 07.1' E	Fl.(3)W. period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	46 14	7	Metal framework; 13.	
15068 <i>E 4070.6</i>	-Diakofti Kithiron, on Vrachonisis Makronisos.	36° 16.5' N 23° 04.8' E	Fl.W. period 10s fl. 1s, ec. 9s	59 18	7	Metal framework on white square hut; 20.	
NISOS ANDIKITHIRA:							
15076 <i>E 4072</i>	-Akra Apolitaes.	35° 49.5' N 23° 19.5' E	Fl.(2)W. period 15s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 9.9s	131 40	17	Round tower and dwelling.	Visible 227°-135°.
15080 <i>E 4072.4</i>	-Akra Kastron.	35° 53.5' N 23° 17.7' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	102 31	6	White metal framework; 13.	Visible 013°-227°.
15082 <i>E 4072.6</i>	--Entrance, W. limit.	35° 53.1' N 23° 17.4' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	59 18	3	White metal framework with green band; 13.	
15084 <i>E 4088</i>	Nisis Falkonera.	36° 50.2' N 23° 53.4' E	Fl.W. period 5s fl. 1s, ec. 4s	446 136	17	White round hut; 13.	Visible 169°-120°.
15088 <i>E 4090</i>	Nisis Velopoula.	36° 55.7' N 23° 27.1' E	Fl.(2)W. period 20s fl. 0.2s, ec. 3s fl. 0.2s, ec. 16.6s	367 112	22	Octagonal tower on square dwelling; 33.	Obscured 319°-342°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE							
15092 <i>E 4080</i>	Akra Monemvasia, Khers Elos, E. side.	36° 41.5' N 23° 03.5' E	Fl.W. period 5s fl. 0.6s, ec. 4.4s	49 15	11	Metal framework tower on pedestal.	
15096 <i>E 4081</i>	-Mole, head.	36° 41.4' N 23° 02.5' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	26 8	3	Metal framework with gallery and column, red band.	
15100 <i>E 4082</i>	Angirolivou Palaia Monemvasia.	36° 43.9' N 23° 02.5' E	Fl.G. period 1.5s fl. 0.3s, ec. 1.2s	26 8	3	Metal framework on white round hut, green band; 22.	
15104 <i>E 4086</i>	Ormos Ierakos, Akra Kastro.	36° 47.2' N 23° 05.3' E	Fl.G. period 3s fl. 0.4s, ec. 2.6s	69 21	5	White round hut with column and green band.	
15108 <i>E 4092</i>	Ormos Kipariissiou, entrance, S. side.	36° 58.2' N 23° 00.3' E	Fl.R. period 1.5s fl. 0.2s, ec. 1.3s	26 8	3	Iron column on hut.	
15112 <i>E 4094</i>	-Akra Aspro Khorti.	36° 59.5' N 23° 59.8' E	Fl.W. period 4s fl. 0.3s, ec. 3.7s	138 42	7	Iron column; 16.	Visible 180°-050°.
ARGOLIKOS KOLPOS:							
15116 <i>E 4096</i>	-Leonidhion, W. side of entrance to gulf.	37° 08.8' N 22° 53.6' E	Fl.G. period 1.5s fl. 0.2s, ec. 1.3s	30 9	3	White hut with column and gallery with green band.	
15117 <i>E 4095</i>	-Poulithra, mole, head.	37° 07.0' N 22° 54.2' E	F.R.	26 8	3	White concrete column, red band; 23.	
15120 <i>E 4098</i>	-Akra Sambatikis.	37° 11.3' N 22° 54.7' E	L.Fl.W. period 7.5s fl. 2s, ec. 5.5s	72 22	6	Metal framework; 13.	
15124 <i>E 4104</i>	-Akra Astros.	37° 24.9' N 22° 46.1' E	Fl.W. period 5s fl. 0.8s, ec. 4.2s	253 77	7	Metal framework; 13.	
15132 <i>E 4107</i>	-Ormos Navpliou, pier, head.	37° 33.3' N 22° 43.2' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	4	Concrete column on 6-sided hut with red band.	Visible 107°-338°.
15134 <i>E 4106.2</i>	-Kiveri, N. breakwater, head.	37° 31.7' N 22° 43.9' E	Fl.Y. period 1.5s fl. 0.2s, ec. 1.3s	23 7	3	Metal column with gallery and red band on metal framework; 17.	
15134.5 <i>E 4106</i>	--S. mole, head.	37° 31.5' N 22° 44.0' E	F.R.	20 6	3	White metal column, red band.	
15135 <i>E 4107.5</i>	Nea Kios.	37° 35.0' N 22° 44.9' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	20 6	3	Metal framework with gallery and column, red band.	
15136 <i>E 4108</i>	--Akra Panayias.	37° 33.8' N 22° 47.6' E	Fl.W. period 1.5s fl. 0.2s, ec. 1.3s	36 11	5	Metal framework on white round hut.	
15140 <i>E 4109</i>	--Breakwater, head.	37° 34.0' N 22° 47.5' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	33 10	3	Column with gallery on 6-sided hut, green band.	
15143 <i>E 4110.6</i>	-Tolo Bay, pier, head.	37° 31.0' N 22° 52.0' E	2 F.R.	20 6	3	White metal column.	1 meter apart.
15144 <i>E 4110.4</i>	-Akra Skala.	37° 30.3' N 22° 52.5' E	Fl.(2)W.R. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 8s	75 23	W. R. 6 4	Iron framework tower.	W. 207°-315°, R.-343°, W.- 075°, obscured elsewhere.
15148 <i>E 4110</i>	--Nisis Tolo, Akra Megali.	37° 30.6' N 22° 51.3' E	Fl.W. period 2s fl. 0.3s, ec. 1.7s	82 25	3	White round hut with metal framework and green band.	Visible 328°-228°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE							
15152 <i>E 4111</i>	-Limin Khaidhari.	37° 31.4' N 22° 56.1' E	Fl.(3)W.R. period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	36 11	W. 5 R. 3	Metal framework on hut.	W. 301°-046°, R.-058°, W.-220°.
15154 <i>E 4111.5</i>	-Iria, fishing harbor, S. mole, head.	37° 28.7' N 22° 59.9' E	F.G.	20 6	3	Metal column, green band.	
15156 <i>E 4112</i>	-Nisis Ipsili.	37° 25.8' N 22° 58.1' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	52 16	9	White round hut, metal framework tower; 18.	Visible 301°-157°.
15160 <i>E 4113</i>	-Ormos Koiladhos, Akra Kokkina.	37° 25.5' N 23° 06.8' E	Fl.W. period 3s fl. 0.2s, ec. 2.8s	20 6	4	White pyramid.	
15161 <i>E 4113.5</i>	--Pier, head.	37° 25.0' N 23° 07.7' E	2 F.G. (vert.)	23 7	3	White metal column.	1 meter apart.
15164 <i>E 4114</i>	-Akra Korakas.	37° 21.1' N 23° 04.0' E	Fl.W. period 7s fl. 1s, ec. 6s	39 12	11	White round hut; 7.	Visible 311°-131°.
15168 <i>E 4103</i>	-Nisis Petrokaravo, N. extremity.	37° 17.1' N 23° 04.8' E	Fl.(2)W. period 9s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 7.2s	72 22	7	White round hut; 11.	
15172 <i>E 4118</i>	-Limin Kheliou, entrance, N. side.	37° 18.9' N 23° 07.7' E	Fl.W. period 1.5s fl. 0.2s, ec. 1.3s	72 22	5	Metal framework tower, red band.	
15174 <i>E 4118.3</i>	-Cheli, SE. entrance.	37° 18.6' N 23° 08.1' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	3	White hexagonal hut with column and gallery, green band.	
15176 <i>E 4100</i>	-Nisos Spetsai.	37° 15.8' N 23° 10.1' E	Fl.W.R. period 5s fl. 0.2s, ec. 4.8s	89 27	W. 18 R. 14	White round tower and dwelling; 34.	W. 124°-254°, R.-278°, W.-330°, obscured elsewhere.
15180 <i>E 4101</i>	--Ormos Balitza, entrance, E. side.	37° 15.8' N 23° 10.0' E	Q.R.	16 5	3	White metal framework with red band; 13.	
15184 <i>E 4102</i>	--Limin Dipias, E. pier, head.	37° 16.2' N 23° 09.5' E	F.R.	20 6	3	White metal column, red band.	F.G. 3M marks W. pier head.
15188 <i>E 4099</i>	--Akra Mavrokavos.	37° 14.8' N 23° 10.0' E	Fl.W.R. period 2s fl. 0.4s, ec. 1.6s	23 7	W. 5 R. 3	White round hut with metal framework; 16.	W. 199°-314°, R.-333°, W.-019°, obscured elsewhere.
15192 <i>E 4120</i>	-Akra Mouzaki.	37° 21.0' N 23° 16.6' E	L.Fl.W. period 7.5s fl. 2.5s, ec. 5s	75 23	4	Metal framework tower.	Visible 127°-037°.
15196 <i>E 4124</i>	-Nisos Dhokos, Stenon Petasi, N. side.	37° 19.9' N 23° 21.3' E	Fl.(2)W.R. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 9.5s	75 23	W. 6 R. 4	White round tower, dwelling; 29.	W. 219°-341°, R.-026°, W.-063°.
15200 <i>E 4126</i>	-Limin Idhras, E. jetty.	37° 21.2' N 23° 28.0' E	Fl.R. period 1.5s fl. 0.2s, ec. 1.3s	34 10	3	White round hut with metal framework and red band.	
15204 <i>E 4130</i>	--W. jetty, head.	37° 21.1' N 23° 28.0' E	F.G.	16 5	2	White stone column, green band.	
15208 <i>E 4127</i>	--E. breakwater, head.	37° 21.1' N 23° 28.0' E	F.R.	20 6	2	White stone column with red band.	
15210 <i>E 4119</i>	-Akra Aimilianos.	37° 17.3' N 23° 12.0' E	Fl.W.R. period 10s fl. 0.5s, ec. 9.5s	23 7	W. 8 R. 6	Hexagonal hut with column and gallery.	W. 193°-314°, R.-357°, W.-070°, obsc.-193°.
15212 <i>E 4122</i>	-Akra Kastri.	37° 23.1' N 23° 15.7' E	Fl.W. period 1.5s fl. 0.3s, ec. 1.2s	72 22	4	White square hut with two pilasters; 13.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE							
15216 <i>E 4134</i>	Akra Zourvas.	37° 21.9' N 23° 34.8' E	Fl.(3)W. period 20s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 13.3s	119 36	17	Square tower on dwelling.	Visible 128°-023°.
GREECE-WEST COAST-IONIOI NISOI (IONIAN ISLANDS)							
15218 <i>E 4134.5</i>	Fourkari, Soupia Installation, W. groyne, head.	37° 25.3' N 23° 29.1' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	20 6	3	Metal framework and gallery, metal column with red band; 19.	
15219 <i>E 4134.6</i>	--E. groyne, head.	37° 25.3' N 23° 29.1' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	20 6	3	Metal framework and gallery, metal column with green band; 19.	
GREECE							
15220 <i>E 4135</i>	Nisoi Tselevinia, Nisis Skilli.	37° 26.7' N 23° 32.8' E	Fl.W. period 3s fl. 0.6s, ec. 2.4s	102 31	8	Iron tower.	Visible 078°-010°.
15224 <i>E 4136</i>	-Nisis Ayios Yeoryios.	37° 27.8' N 23° 56.3' E	Fl.(2)W. period 15s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 9.9s	476 145	17	Round tower on dwelling.	Obscured 116°-169°.
SARONIKOS KOLPOS:							
-Nisos Poros:							
15228 <i>E 4140</i>	--Akra Dana.	37° 31.7' N 23° 25.6' E	Fl.W.R. period 4s fl. 0.5s, ec. 3.5s	102 31	W. 8 R. 5	Metal framework with gallery; 16.	W. 026°-200°, R.-209°, W.-266°.
15232 <i>E 4140.3</i>	--Akra Nedha.	37° 31.2' N 23° 25.6' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	20 6	3	Metal column on white round hut, red band; 16.	Visible 299°-214°.
15236 <i>E 4141</i>	--Akra Stavros, island, S. point.	37° 29.7' N 23° 27.8' E	Fl.G.R. period 3s fl. 0.3s, ec. 2.7s	23 7	4	Metal framework tower on dwelling.	G. 253°-284°, R.-309°, G.-110°, obsc.-253°.
15240 <i>E 4141.2</i>	-Methana.	37° 34.5' N 23° 23.4' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	3	White square cement column with gallery and green band; 20.	2 F.R. (vert.) light marks pier close N.
15244 <i>E 4141.3</i>	--Marina entrance, E. side.	37° 34.7' N 23° 23.4' E	Q.G.	23 7	3	Column with gallery, green band.	Q.R. 1M marks W. side of entrance.
15248 <i>E 4154</i>	-Nisis Moni, W. point.	37° 41.2' N 23° 25.5' E	Fl.(2)W.R.G. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	68 21	W. 11 R. 8 G. 8	Beacon on square base.	W. 296°-322°, R.-336°, W.-075°, G.-165°, W.-173°, R.-187°, W.-223°.
-Nisos Aiyina:							
15252 <i>E 4144</i>	--Akra Plakakia.	37° 45.8' N 23° 25.1' E	Fl.(2)W. period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 12.5s	36 11	7	Round masonry tower; 20.	
15256 <i>E 4148</i>	--Aiyina, N. mole, head.	37° 44.7' N 23° 25.5' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	23 7	7	White round hut with metal framework; 17.	
15260 <i>E 4149</i>	---Near root.	37° 44.7' N 23° 25.6' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	23 7	4	Metal framework on white round hut, red band; 18.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE							
15264 <i>E 4150</i>	--SE. mole, head.	37° 44.7' N 23° 25.6' E	Fl.G. period 1.5s fl. 0.2s, ec. 1.3s	23 7	3	Metal framework on white round hut, green band.	
15266 <i>E 4153</i>	-Ayia Marina, pier, head.	37° 44.7' N 23° 32.3' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	16 5	3	Metal framework tower, gallery and column, green band.	
15268 <i>E 4152</i>	-Akra Tourlos.	37° 45.8' N 23° 33.9' E	Fl.W. period 3.6s fl. 0.5s, ec. 3.1s	92 28	5	White square hut, metal framework; 20.	Visible 177°-024°.
15270 <i>E 4151</i>	-Leonti, mole, head.	37° 46.4' N 23° 28.1' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework with gallery; 20.	
15272 <i>E 4158</i>	-Nisos Lagousa, E. point.	37° 48.9' N 23° 28.6' E	L.Fl.W. period 7.5s fl. 2s, ec. 5.5s	39 12	5	Metal framework tower.	Visible 130°-049°.
-Kolpos Epidhavrour:							
15276 <i>E 4141.5</i>	--Vathi, W. side of Khersonisos Methanon.	37° 35.7' N 23° 20.3' E	F.R.	39 12	3	White concrete column, red band.	
15280 <i>E 4141.6</i>	-Limn Palaia Ediphavron, Akra Yiannouzaina (Kalamaki).	37° 38.5' N 23° 10.2' E	Fl.W. period 2s fl. 0.4s, ec. 1.6s	33 10	6	Metal column on pedestal.	Visible 185°-095°.
15284 <i>E 4141.64</i>	--N. side of channel.	37° 38.3' N 23° 09.7' E	Q.G.	16 5	3	Concrete column on pedestal, green band.	
15288 <i>E 4141.66</i>	--S. side.	37° 38.3' N 23° 09.7' E	Q.R.	16 5	3	Concrete column on pedestal, red band.	
15292 <i>E 4141.7</i>	--Pier, head.	37° 38.4' N 23° 09.5' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Concrete column on pedestal, red band.	Visible 253°-280°.
15296 <i>E 4141.8</i>	-Ormos Neas Epidhavrour.	37° 40.7' N 23° 09.1' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Concrete column on pedestal, red band.	Visible 257°-331°.
15300 <i>E 4141.9</i>	-Spalathronisi.	37° 42.2' N 23° 14.2' E	Fl.W. period 8s fl. 0.4s, ec. 7.6s	98 30	6	White metal column.	
15304 <i>E 4142</i>	-Ormos Sofikou.	37° 46.5' N 23° 07.8' E	Fl.W. period 4s fl. 0.2s, ec. 3.8s	36 11	5	Metal framework tower on pedestal.	
15308 <i>E 4143</i>	-Nisis Euraios, NE. point.	37° 51.6' N 23° 08.6' E	Fl.W. period 10s fl. 0.5s, ec. 9.5s	157 48	7	White metal column.	
-Dhiorix Korinthou Entrance:							
15312 <i>E 4160</i>	--Kalamaki, mole, W. side.	37° 55.0' N 23° 01.0' E	Iso.R. period 2s	33 10	10	White mast, red band.	
15316 <i>E 4160.4</i>	--Breakwater, N side, NE. head.	37° 54.9' N 23° 00.7' E	Iso.G. period 2s	33 10	10	White metal framework tower, green band.	
15320 <i>E 4162</i>	-Akra Sousaki.	37° 55.0' N 23° 03.0' E	Fl.G. period 10s fl. 0.2s, ec. 9.8s	33 10	12	Round stone tower, dwelling.	Visibility may be reduced by bright shore lights.
15324 <i>E 4168</i>	-Akra Kokhi.	37° 52.5' N 23° 27.0' E	Fl.W. period 4s fl. 0.5s, ec. 3.5s	108 33	9	Round masonry tower, dwelling; 39.	
15328 <i>E 4167</i>	-Nisidhes Kanakia.	37° 54.0' N 23° 23.0' E	Fl.W. period 6s fl. 0.3s, ec. 5.7s	56 17	5	White round hut, metal framework; 16.	
15336 <i>E 4164</i>	-Akra Karas.	37° 57.4' N 23° 25.0' E	Fl.W. period 4s fl. 0.4s, ec. 3.6s	26 8	8	Metal framework on white round hut; 18.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE							
15340 <i>E 4164.4</i>	-Nisis Revithousa.	37° 57.6' N 23° 24.4' E	Fl.W. period 1.5s fl. 0.2s, ec. 1.3s	33 10	6	Column on white hexagonal hut; 23.	
15344 <i>E 4163.3</i>	-Nisis Pakhi, E. head.	37° 57.9' N 23° 22.1' E	Fl.W.R. period 3s fl. 0.4s, ec. 2.6s	43 13	W. 5 R. 3	Column and gallery on white hexagonal hut; 25.	W. 145°-030°, R.-054°, W.- 078°, obsc.-145°.
15346 <i>E 4163</i>	-Ormos Pakhi.	37° 58.4' N 23° 21.7' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	16 5	3	Metal framework; 10.	
15347 <i>E 4163.2</i>	-E. mole, head.	37° 58.4' N 23° 21.7' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework structure with gallery and column, green band.	
15348 <i>E 4163.5</i>	-Drmos Paches, W. pier, head.	37° 58.0' N 23° 23.0' E	2 F.R. (vert.)	39 12	3	White metal column.	Private light.
15352 <i>E 4163.6</i>	--E. pier, head.	37° 58.0' N 23° 23.0' E	2 F.R. (vert.)	39 12	3	White metal column.	Private light.
15356 <i>E 4165</i>	-Makronisos, W. head.	37° 58.0' N 23° 24.6' E	Fl.G. period 3s fl. 0.4s, ec. 2.6s	46 14	3	White hexagonal hut with column, green band; 23.	
15370 <i>E 4169.5</i>	-Selinia, pier, head.	37° 56.0' N 23° 32.2' E	2 F.R. (vert.)	23 7	3	White metal column.	
15372 <i>E 4169</i>	-Nisis Atalandi.	37° 56.0' N 23° 34.0' E	Fl.W.R. period 1.5s fl. 0.3s, ec. 1.2s	26 8	W. 4 R. 2	Metal framework on round hut; 16.	W. 095°-065°, R.-095°.
15376 <i>E 4170</i>	-Nisis Psittalia.	37° 57.0' N 23° 36.0' E	Fl.(2)W. period 15s fl. 0.3s, ec. 3.4s fl. 0.3s, ec. 11s	154 47	25	Gray round masonry tower on dwelling; 46.	
15378	--Pier, head.	37° 56.6' N 23° 35.3' E	Fl.R. period 3s	30 9	3		
15380 <i>E 4170.2</i>	--SW. head.	37° 56.3' N 23° 34.9' E	Fl.G. period 1.5s fl. 0.2s, ec. 1.3s	46 14	3	White square hut, metal framework, green band; 20.	Visible 283°-209°.
15384 <i>E 4171.5</i>	-Akra Keos, mole, head.	37° 57.0' N 23° 36.0' E	Fl.(2)G. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	46 14	9	White round tower with green band.	
15388 <i>E 4170.4</i>	-Akra Kinosoura.	37° 56.9' N 23° 34.8' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	39 12	4	White square hut, metal framework, red band; 23.	
15390 <i>E 4170.5</i>	-Kinosoura Shipyard, jetty, head.	37° 57.0' N 23° 33.3' E	F.R.	16 5	2	White metal column, red band; 20.	Private light.
15392 <i>E 4170.6</i>	-Ormos Ambelakia, Khandris, pier.	37° 57.1' N 23° 33.0' E	2 F.G. (vert.)	16 5	3	White column, green band; 10.	1 meter apart. Private light.
15402 <i>E 4170.82</i>	--SE. jetty.	37° 57.7' N 23° 32.6' E	Fl.G. period 3s	23 7	3	White metal column, green band; 16.	Visible 181°-090°.
-Kolpos Elefsinos:							
15404 <i>E 4174.86</i>	--Titan Pier, head.	38° 02.0' N 23° 32.0' E	2 F.R. (vert.)	33 10	2	White metal column, red band; 30.	1 meter apart. F.R. 3M and F.G. 3M mark mole heads of fishing harbor 0.5 mile ENE. Private light.
15408 <i>E 4175.7</i>	--Tourkolimano, pier, head.	38° 02.0' N 23° 31.0' E	Iso.R. period 2s	36 11	9	Hexagonal concrete column, white and red bands.	
15412 <i>E 4175.54</i>	--Cement factory pier, NW. corner.	38° 03.0' N 23° 32.0' E	3 F.R.	33 10	3	White metal column; 26.	Private light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE							
15420 <i>E 4175</i>	--E. breakwater, head.	38° 02.1' N 23° 32.2' E	Fl.(2)G. period 12s fl. 0.3s, ec. 1.4s fl. 0.3s, ec. 10s	19 6	3	Metal framework tower on pedestal.	
15424 <i>E 4175.52</i>	--Main pier.	38° 02.4' N 23° 31.9' E	2 F.R. (vert.)	39 12	2	White metal column, red band; 33.	Private light.
15428 <i>E 4175.5</i>	--Naval pier, head.	38° 02.2' N 23° 32.0' E	3 F.R. (vert.)	39 12	2	Metal column.	1 meter apart.
15432 <i>E 4174.84</i>	--Kalimpaki, pier, head.	38° 02.0' N 23° 34.0' E	2 F.R. (vert.)	20 6	3	Metal framework, gallery and column.	1 meter apart. Private light.
15436 <i>E 4174.83</i>	--Airport, pier head, about 460 meters NW. of Texaco pier.	38° 02.0' N 23° 35.0' E	F.R.	16 5	3	White metal column, red band; 13.	
15440 <i>E 4174.82</i>	--Sidenor, pier, head.	38° 02.0' N 23° 35.0' E	3 F.G. (vert.)	30 9	3	White metal column, green band.	1 meter apart. Private light.
15444 <i>E 4174.8</i>	--Texaco, pier, head.	38° 02.0' N 23° 36.0' E	2 F.G. (vert.)	30 9	6	White metal mast, green band; 23.	Private light.
15448 <i>E 4174.78</i>	--Koumondoros, pier, head.	38° 01.0' N 23° 36.0' E	3 F.G. (horiz.)	26 8	3	White metal mast, green band; 20.	Private light.
15449 <i>E 4174.79</i>	--Pier, head.	38° 01.0' N 23° 36.0' E	2 F.G. (horiz.)	26 8	3	Metal mast, green band; 16.	Private light.
15450 <i>E 4174.73</i>	--Mobil oil pier, head.	38° 01.0' N 23° 36.0' E	3 F.G. (vert.)	43 13	5	White metal column, green band; 30.	1 meter apart. Private light.
15450.1 <i>E 4174.74</i>	---110 meters from pier, head.	38° 01.0' N 23° 36.0' E	F.R.	92 28	3	White metal column, red band; 69.	Private light.
15452 <i>E 4174.77</i>	--Shipyard, jetty, head.	38° 00.2' N 23° 35.4' E	2 F.G. (vert.)	20 6	3	White metal column, green band; 11.	1 meter apart. Private light.
15456 <i>E 4174.7</i>	--Ormos Palaska, mole, head.	37° 59.9' N 23° 34.9' E	Q.G.	20 6	4	White round hut, metal column, green band; 13.	
15460 <i>E 4174.6</i>	--Megali Kira.	38° 00.0' N 23° 34.0' E	Fl.W. period 2.5s fl. 0.3s, ec. 2.2s	23 7	5	Metal framework tower on round hut.	
15462 <i>E 4176.3</i>	--Nea Peramos.	38° 00.0' N 23° 25.2' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	26 8	3	Metal framework, gallery and column, green band; 20.	
15464 <i>E 4176</i>	--Nisos Salamis, NE. point.	38° 00.2' N 23° 29.1' E	Fl.W.R. period 3s fl. 0.3s, ec. 2.7s	23 7	W. R. 4 3	Metal framework tower; 13.	W. 072°-093°, R.-164°, W.-277°, obscured elsewhere.
15466 <i>E 4176.5</i>	--Nisis Leros.	37° 59.7' N 23° 32.1' E	2 F.R. (vert.)	26 8	3	White metal column; 20.	1 meter apart.
15468 <i>E 4174.4</i>	--Akra Amfiali (Ormos Skaramanga), W. breakwater.	38° 00.0' N 23° 34.0' E	Q.R.	26 8	3	Metal framework, on square hut.	
15472 <i>E 4174.2</i>	--Nisis Arpidhoni, W. extremity.	37° 59.3' N 23° 33.5' E	Fl.W. period 1.5s fl. 0.1s, ec. 1.4s	23 7	5	Metal framework on white round hut; 16.	
15476 <i>E 4174</i>	--Akra Filatouri.	37° 59.0' N 23° 33.0' E	Fl.(2)W. period 14s fl. 0.5s, ec. 1.2s fl. 0.5s, ec. 11.8s	44 13	5	Metal square hut and column on dwelling.	Visible 352°-233°.
-Perama:							
15480 <i>E 4173</i>	--Limeniskos Neon, breakwater, head.	37° 58.4' N 23° 33.3' E	F.R.	13 4	2	White metal column, red band; 9.	
15488 <i>E 4172.8</i>	--Limeniskos Alieon.	37° 57.9' N 23° 33.3' E	3 F.G. (vert.)	20 6	3	White metal mast, green band; 20.	1 meter apart.
15496 <i>E 4172.6</i>	--W. pier, head.	37° 57.7' N 23° 34.5' E	2 F.R. (vert.)	20 6	3	White metal column, red band.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE							
15498 <i>E 4172.5</i>	--Provita Petroleum, pier, head.	37° 57.4' N 23° 35.1' E	2 F.G. (vert.)	33 10	3	White metal mast.	1 meter apart.
-Limin Irakleous:							
15510 <i>E 4172.2</i>	--Pipeline.	37° 57.3' N 23° 36.5' E	F.Y.				
-Limin Dhrapetsona:							
15516 <i>E 4177.2</i>	--Ormos Foron, T-jetty, S. head.	37° 56.7' N 23° 36.8' E	2 F.G. (vert.)	30 9	3	White metal column, green band; 17.	1 meter apart. 3 F.R. (vert.) on chimney 950 meters NNE. Private light.
15520 <i>E 4177.4</i>	--Loading pier, head.	37° 56.7' N 23° 36.9' E	F.G.	30 9	3	White metal mast, green band; 22.	Private light.
-Piraeus:							
15524 <i>E 4178</i>	--Molos Themistokleus, head.	37° 56.2' N 23° 37.3' E	L.F.I.G. period 6s fl. 2s, ec. 4s	43 13	9	Round concrete tower, green band; 32.	
15528 <i>E 4180</i>	--Molos Vasileus Yeoryios, head.	37° 56.3' N 23° 37.3' E	L.F.I.R. period 6s fl. 2s, ec. 4s	46 14	9	Round concrete tower, red band; 32.	
15536 <i>E 4182</i>	--Limin Zeas, S. breakwater, head.	37° 55.9' N 23° 39.2' E	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	33 10	7	Concrete column on pedestal, red band.	4 F.W. 52m (occas) lights mark stadium 1800 meters NE. F.I.G. 3M and F.I.R. 3M lights shown inside marina.
15540 <i>E 4182.4</i>	---N. breakwater, head.	37° 56.0' N 23° 39.0' E	Fl.(2)G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	26 8	4	Metal framework tower on pedestal, green band; 16.	
-Ormos Falirou:							
15544 <i>E 4186</i>	--Limin Mounikhas, N. breakwater, head.	37° 56.3' N 23° 39.7' E	Fl.G. period 3s	30 9	6	White metal framework tower on pedestal, green band; 16.	Visible 205°-145°.
15548 <i>E 4186.2</i>	---S. breakwater, head.	37° 56.2' N 23° 39.7' E	Iso.R. period 2s	30 9	8	White metal framework tower on pedestal, red band; 19.	Visible 109°-049°.
15550 <i>E 4187.4</i>	---SE. jetty, head.	37° 56.3' N 23° 39.7' E	Q.R.	13 4	2	White round hut on pedestal, red band; 9.	
15552 <i>E 4186.5</i>	--Detached breakwater, W. end.	37° 56.1' N 23° 40.0' E	Fl.G. period 5s	30 9	3	White metal framework structure, green band; 7.	
15552.5 <i>E 4186.6</i>	---E. end.	37° 56.1' N 23° 40.3' E	Fl.R. period 5s	30 9	3	White metal framework structure, red band; 7.	
15560 <i>E 4188.2</i>	--Submerged breakwater.	37° 56.1' N 23° 41.1' E	Q.G.	13 4	4	Concrete hexagonal hut on pedestal, green band.	
15562 <i>E 4189.2</i>	--S. breakwater, head.	37° 56.2' N 23° 41.2' E	Fl.R.	16 5	2	Metal column; 10.	
15562.2 <i>E 4189</i>	--N. breakwater, head.	37° 56.2' N 23° 41.2' E	Fl.G.	13 4	2	Metal column; 26.	
15568 <i>E 4189.556</i>	-Flisvos, N. mole, head.	37° 56.0' N 23° 40.9' E	Q.R.	36 11	3	White metal framework, gallery, metal column and red band.	
15568.5 <i>E 4189.55</i>	--Breakwater, W. end.	37° 56.1' N 23° 40.8' E	Fl.R. period 4s fl. 0.5s, ec. 3.5s	26 8	7	Column with gallery, red band, on pedestal.	
15569 <i>E 4189.5</i>	--S. mole, head.	37° 56.1' N 23° 40.7' E	Fl.G. period 4s fl. 0.5s, ec. 3.5s	36 11	9	Metal framework with gallery, column, green band; 26.	
15569.1 <i>E 4189.552</i>	---Elbow.	37° 56.1' N 23° 40.8' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	36 11	3	White metal framework, gallery, metal column and green band.	Visible 105°-322°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE							
15569.2 <i>E 4189.554</i>	---Entrance.	37° 56.1' N 23° 40.8' E	Q.G.	30 9	3	White metal framework, gallery, metal column and green band.	Visible 142°-345°.
15572 <i>E 4189.6</i>	-Limin Alimos Marina, SW. breakwater, head.	37° 54.7' N 23° 42.1' E	Fl.G. period 3s fl. 1s, ec. 2s	33 10	9	White hexagonal hut, column and gallery, green band; 26.	
15576 <i>E 4189.8</i>	--NE. breakwater, head.	37° 54.7' N 23° 42.1' E	Fl.R. period 3s	33 10	9	White hexagonal hut, column and gallery, red band; 26.	
15578 <i>E 4190</i>	-Akra Kosma.	37° 53.6' N 23° 42.6' E	Q.(9)W. period 15s	30 9	5	W. CARDINAL YBY, beacon, topmark.	
15580 <i>E 4191</i>	-Ellinikon, N., AVIATION LIGHT.	37° 53.0' N 23° 44.0' E	Al.W.G. period 6s	49 15	15	Airport control tower.	
15582 <i>E 4190.6</i>	-Olympic Sailing Center, entrance.	37° 52.9' N 23° 43.4' E	Fl.G. period 4s	36 11	3	Metal framework tower, gallery, green band; 17.	
15584 <i>E 4192</i>	-Vrakhio Mermingia.	37° 50.0' N 23° 44.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	23 7	4	White round hut with metal framework.	
15586 <i>E 4192.3</i>	-Voula, mole, head.	37° 50.3' N 23° 45.7' E	F.R.	26 8	3	White metal column, red band.	
15588 <i>E 4194</i>	-Ormos Vouliagmenis, on islet.	37° 48.0' N 23° 47.0' E	Fl.(3)R. period 12s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 7s	31 9	7	White hexagonal hut with column and gallery, red band.	
15592 <i>E 4193</i>	Nisis Fleves, summit.	37° 46.0' N 23° 46.0' E	Fl.(3)W. period 10s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	134 41	8	White iron tower.	Visible 285°-161°.
15596 <i>E 4198</i>	-Ormos Anavissou.	37° 43.0' N 23° 56.0' E	Q.W.R.	25 8	W. R. 3 2	White round hut.	W. 219°-036°, R.-047°.
15598 <i>E 4199</i>	-Limin Anavissou, mole, head.	37° 43.1' N 23° 56.6' E	F.G.	26 8	3	White metal column, green band; 23.	
15600 <i>E 4200</i>	-Akra Katafiyi.	37° 40.3' N 23° 56.3' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	56 17	4	Metal column on white hut.	
15604 <i>E 4202</i>	-Nisis Patrokliou Gaidouronisis, N. side.	37° 39.4' N 23° 57.5' E	L.Fl.W. period 10s fl. 2s, ec. 8s	23 7	6	Metal column on white hut.	
DHIAVLOS MAKRONISOU:							
15608 <i>E 4204</i>	-Makronisos, Akra Angalistros.	37° 39.0' N 24° 07.0' E	Fl.(2)W. period 14s fl. 1s, ec. 2s fl. 1s, ec. 10s	105 32	12	Round hut; 13.	Visible 207°-168°.
15612 <i>E 4208</i>	-Akra Fonias, channel, W. side.	37° 41.0' N 24° 04.0' E	Fl.W. period 2.4s fl. 0.3s, ec. 2.1s	43 13	6	White round metal framework structure.	
15614 <i>E 4208.5</i>	-Ormos Gaidhouromandra.	37° 41.7' N 24° 03.6' E	Fl.R. period 4s fl. 1s, ec. 3s	23 7	12	Metal framework with gallery, metal column, red band; 19.	
15616 <i>E 4209</i>	-Akra Ergastiria.	37° 43.0' N 24° 04.0' E	Fl.W. period 1.5s fl. 0.2s, ec. 1.3s	23 7	4	Metal framework tower on hut.	Visible 148°-081°.
15616.1 <i>E 4209.1</i>	-Lavrio, N. mole, head.	37° 42.5' N 24° 04.1' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	5	STARBOARD (A) G, beacon.	
15617 <i>E 4209.5</i>	-Ormos Thorikos, S. Entrance.	37° 43.9' N 24° 03.2' E	F.R.	20 6	3	White metal column, red band; 13.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE							
15618 <i>E 4209.51</i>	--N. Entrance.	37° 43.9' N 24° 03.2' E	F.G.	20 6	3	White metal column, green band; 13.	
15620 <i>E 4210</i>	-Akra Vrisaki.	37° 45.0' N 24° 05.0' E	Fl.W. period 5s fl. 0.1s, ec. 4.9s	75 23	16	Masonry tower on dwelling; 24.	Visible 186°-006°.

Section 11

Kikladhes Islands, Crete and East Coast of Greece

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE-KIKLADHES							
NISOS KEA:							
15624 <i>E 4218</i>	-Akra Tameios.	37° 31.0' N 24° 17.0' E	Fl.(2)W. period 15s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 9.9s	197 60	17	Round tower, dwelling.	
15628 <i>E 4212</i>	-Ormos Ayiou Nikolaou.	37° 40.1' N 24° 18.5' E	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	105 32	15	Square tower on octagonal dwelling.	
15632 <i>E 4214</i>	--Akra Ayiou Savva, entrance, S. side.	37° 39.8' N 24° 18.8' E	Fl.W. period 1.5s fl. 0.3s, ec. 1.2s	69 21	5	White round hut with metal framework.	
15636 <i>E 4215</i>	--Ormos Livadhi, pier, head.	37° 39.8' N 24° 18.7' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework, gallery and column; 22.	
NISOS KITHNOS:							
15640 <i>E 4223</i>	-Akra Ayios Dhimitris.	37° 17.8' N 24° 21.4' E	Fl.W. period 10s fl. 1.5s, ec. 8.5s	75 23	12	Iron framework tower on base, red band.	Visible 281°-160°.
15642 <i>E 4225</i>	-Ormos Merikha.	37° 23.2' N 24° 23.5' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework with gallery and metal column.	
15644 <i>E 4224</i>	-Ormos Merikhas.	37° 23.6' N 24° 23.1' E	Fl.W.R. period 5s fl. 0.5s, ec. 4.5s	75 23	W. 5 R. 3	Metal framework tower on hut.	W. 315°-340°, R.-030°, W.-173°.
15648 <i>E 4220</i>	-Akra Kefalos.	37° 28.7' N 24° 26.0' E	Fl.W. period 4s fl. 0.2s, ec. 3.8s	177 54	9	Metal framework tower on hut.	Visible 065°-341°.
15652 <i>E 4222</i>	-Ormos Loutron.	37° 26.3' N 24° 25.7' E	Fl.W. period 1.5s fl. 0.3s, ec. 1.2s	46 14	5	White round hut with column.	
15653 <i>E 4222.5</i>	--Breakwater, head.	37° 26.6' N 24° 25.7' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework, gallery and column.	
NISOS ANDROS:							
15656 <i>E 4332</i>	-Akra Kastri.	37° 52.0' N 24° 43.0' E	Fl.W. period 6s	223 68	8	Metal framework on hut.	
15659 <i>E 4332.3</i>	--Mole, head.	37° 53.0' N 24° 44.0' E	Q.G.	23 7	3	White metal framework tower, green band.	
15660 <i>E 4332.5</i>	-Ormos Gavriou, Akra Marmara.	37° 52.0' N 24° 44.0' E	Fl.R.G. period 2s fl. 0.2s, ec. 1.8s	50 15	3	Hut with concrete column.	R. 248°-005°, G.-178°, obscured elsewhere.
15664 <i>E 4333</i>	-Akra Kolona.	37° 51.0' N 24° 46.0' E	Fl.W. period 3s fl. 0.2s, ec. 2.8s	69 21	5	Iron framework structure.	Visible 237°-156°.
15672 <i>E 4330</i>	-Akra Fassa.	37° 57.8' N 24° 42.1' E	L.Fl.W. period 10s fl. 2s, ec. 8s	659 201	22	Round tower on dwelling; 59.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE-KIKLADHES							
15676 <i>E 4338</i>	-Akra Gria.	37° 53.7' N 24° 57.0' E	Fl.W. period 10s fl. 0.5s, ec. 9.5s	282 86	25	Round masonry tower, dwelling; 33.	
15680 <i>E 4334</i>	-Ormos Kastrou, Nisis Tourlitis, entrance to port.	37° 50.5' N 24° 56.7' E	Fl.(2)W. period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 12s	62 19	6	Round stone tower; 23.	Visible 063°-312°.
15684 <i>E 4336</i>	--Mole, head.	37° 50.0' N 24° 56.0' E	Fl.G. period 1.5s fl. 0.2s, ec. 1.3s	30 9	3	Iron beacon, hut.	
15688 <i>E 4337.5</i>	-Akra Ayiou Kosma.	37° 46.0' N 25° 00.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	223 68	7	Round iron beacon.	Visible 136°-013°.
	-Ormos Korthiou:						
15692 <i>E 4336.5</i>	--Ayias Aikaterinis.	37° 46.0' N 24° 58.0' E	Fl.W. period 1.5s fl. 0.2s, ec. 1.3s	46 14	4	Iron structure; 8.	Visible 222°-100°.
15700 <i>E 4342</i>	Vrakhoi Kaloyerai.	38° 09.3' N 25° 17.5' E	Fl.(2)W. period 15s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 9.9s	124 38	17	Truncated metal pyramid, balcony; 10.	
	NISOS SIROS:						
15704 <i>E 4312</i>	-Akra Trimeson.	37° 31.0' N 24° 53.0' E	Fl.(2)W. period 14s fl. 0.6s, ec. 1.4s fl. 0.6s, ec. 11.4s	203 62	12	White metal tower, masonry base; 11.	Visible 064°-289°.
15708 <i>E 4308</i>	-Nisis Dhidhimi, W. summit.	37° 26.0' N 24° 58.0' E	Fl.W. period 6s fl. 1s, ec. 5s	223 68	12	Round masonry tower; 96.	
15712 <i>E 4306</i>	-Nisis Aspro.	37° 23.6' N 24° 59.7' E	Fl.(2)W. period 12s fl. 0.5s, ec. 9.8s	171 52	7	Iron tower with column.	
15714 <i>E 4307</i>	-Akhladhi, Varis Bay, mole, head.	37° 23.2' N 24° 56.5' E	Fl.R. period 4s fl. 0.3s, ec. 3.7s	26 8	3	Metal framework with gallery, column, red band; 20.	
15716 <i>E 4316</i>	-Akra Vinglostasi.	37° 22.0' N 24° 53.0' E	Fl.(3)W. period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	246 75	6	Iron round tower, framework column; 16.	Visible 251°-151°.
15720 <i>E 4314</i>	-Dhimitra, Foinikes Bay.	37° 23.6' N 24° 52.4' E	Fl.R. period 1.5s fl. 0.2s, ec. 1.3s	23 7	4	Metal framework; 13.	Visible 198°-085°.
15721 <i>E 4315</i>	-Finikas Bay, S. mole, head.	37° 23.3' N 24° 52.8' E	F.G.	26 8	3	White metal column, green band.	
15722 <i>E 4313</i>	-Psathonisi.	37° 23.2' N 24° 51.6' E	Fl.W. period 2s fl. 0.3s, ec. 1.7s	23 7	5	Round hut with metal framework.	
15723 <i>E 4312.5</i>	-Kinion Bay, mole, head.	37° 26.8' N 24° 53.8' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework, gallery and metal column.	
15724 <i>E 4310</i>	-Akra Kondoyiannis.	37° 26.0' N 24° 57.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	59 18	5	White hut, two pillars; 21.	
15728 <i>E 4311</i>	-Limin Ermoupolis, N. breakwater, head.	37° 26.2' N 24° 56.8' E	Fl.G. period 3s	33 10	6	White column with gallery on hexagonal pedestal, green band.	
15732 <i>E 4311.2</i>	--S. breakwater, head.	37° 26.0' N 24° 56.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	36 11	6	White hexagonal hut, column and gallery, red band; 29.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE-KIKLADHES							
15733 <i>E 4311.7</i>	--Oil supply platform.	37° 26.0' N 24° 55.0' E	F.Y.		39 12	3 Metal column; 32.	
NISOS TINOS:							
15736 <i>E 4318</i>	-Nisis Dhisvato.	37° 40.0' N 24° 58.0' E	Fl.W. period 10s fl. 0.3s, ec. 9.7s	108 33	16	Square masonry tower; 30.	
15738 <i>E 4320</i>	-Nisis Planitis.	37° 39.0' N 25° 04.0' E	Fl.(2)W. period 14s fl. 0.6s, ec. 1.4s fl. 0.6s, ec. 11.4s	262 80	10	White metal framework tower on square hut.	
15744 <i>E 4322</i>	-Akra Livadha.	37° 37.0' N 25° 15.0' E	Fl.W. period 15s fl. 1.5s, ec. 13.5s	135 41	7	Square tower, dwelling.	Reserve light F.W.
15752 <i>E 4326</i>	--N. jetty, head.	37° 32.2' N 25° 09.6' E	Fl.R. period 2s fl. 0.2s, ec. 1.8s	23 7	3	Column on hexagonal pedestal, red band.	
15756 <i>E 4327</i>	--N. mole, head.	37° 32.0' N 25° 09.0' E	Fl.R. period 3s fl. 1s, ec. 2s	33 10	7	White hexagonal hut, column and gallery, red band; 28.	
15758 <i>E 4328</i>	-Agios Romanos, fishing harbor, breakwater, head.	37° 34.2' N 25° 06.7' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework with gallery, metal column and green band.	
NISOS SERIFOS:							
15760 <i>E 4230</i>	-Akra Kiklops.	37° 07.0' N 24° 25.0' E	Fl.(2)W. period 14s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 12.2s	220 67	9	Round hut.	
15764 <i>E 4228</i>	-Akra Spathi.	37° 06.0' N 24° 30.0' E	Fl.(3)W. period 30s fl. 0.3s, ec. 4.7s fl. 0.3s, ec. 4.7s fl. 0.3s, ec. 19.7s	219 67	19	Square tower, dwelling; 32.	
15768 <i>E 4232</i>	-Akra Pounda, mole, head.	37° 08.5' N 24° 31.1' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	23 7	3	Metal framework; 13.	
15769 <i>E 4233</i>	-Livadhion, pier, head.	37° 08.6' N 24° 30.9' E	2 F.R. (vert.)	20 6	3	White metal column, red band; 16.	1 meter apart.
NISOS SIFNOS:							
15772 <i>E 4234</i>	-Akra Fillippos, on rock.	37° 02.6' N 24° 38.1' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	138 42	9	Metal framework; 10.	
15776 <i>E 4234.5</i>	-Akra Kokkala.	37° 00.0' N 24° 39.2' E	Fl.(2)W. period 10s fl. 0.6s, ec. 1s fl. 0.6s, ec. 7.8s	154 47	9	Metal framework on white square hut; 23.	
15784 <i>E 4235.4</i>	--Limin Kamaron.	36° 59.4' N 24° 39.9' E	Fl.G. period 1.5s fl. 0.2s, ec. 1.3s	26 8	3	White metal framework tower, green band.	
15788 <i>E 4236.4</i>	-Akra Maistros.	36° 55.4' N 24° 40.8' E	Fl.W. period 2s fl. 0.3s, ec. 1.7s	108 33	7	Metal framework tower.	Visible 332°-253°.
15792 <i>E 4237</i>	-Akra Stavros.	36° 56.4' N 24° 45.2' E	Fl.W. period 1.5s fl. 0.3s, ec. 1.2s	85 26	5	Hut, concrete column; 20.	Visible 256°-147°.
15796 <i>E 4304</i>	Nisis Nata, W. summit, SE. of Nisos Siros.	37° 22.0' N 25° 04.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	56 17	6	Metal framework tower on hut.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE-KIKLADHES							
NISOS MIKONOS:							
15800 <i>E 4303</i>	-Nisidhes Prassonisia.	37° 24.0' N 25° 18.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	82 25	6	Round iron tower on hut.	Visible 278°-271°.
15804 <i>E 4302</i>	-Akra Armenistis.	37° 29.3' N 25° 18.7' E	Fl.W. period 10s fl. 1s, ec. 9s	604 184	22	Octagonal tower on dwelling; 62.	Visible 022°-241°.
15805 <i>E 4300.31</i>	-Tourlos, NW. quay, head.	37° 27.8' N 25° 19.1' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal column with gallery on metal framework, green band.	
15805.2 <i>E 4300.32</i>	--SE. quay, head.	37° 27.6' N 25° 19.4' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal column with gallery on metal framework, red band.	
15806 <i>E 4300.2</i>	-Limeras Mikonos, N. mole, head.	37° 27.1' N 25° 19.6' E	Fl.R. period 3s fl. 0.2s, ec. 2.8s	30 9	3	White hexagonal hut with column and gallery, red band.	
15808 <i>E 4300</i>	-Limin Mikonou, S. breakwater, head.	37° 26.9' N 25° 19.5' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	30 9	3	White hexagonal hut with column, green band; 25.	
15812 <i>E 4299</i>	-Nisis Khatapodhia.	37° 24.6' N 25° 33.9' E	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	427 130	10	White pyramid, gallery; 14.	
NISOS PAROS:							
15816 <i>E 4284</i>	-Nisidhes Portes, islet, NE. head.	37° 05.8' N 25° 05.9' E	Fl.(2)W. period 10s fl. 0.8s, ec. 2s fl. 0.8s, ec. 6.4s	72 22	7	White metal framework; 17.	
15820 <i>E 4289</i>	-Salange Islet.	37° 02.9' N 25° 05.3' E	Fl.W.R. period 4s fl. 0.3s, ec. 3.7s	37 11	W. 5 R. 3	Metal framework tower on white square hut.	R. 341°-016°, W.-135°, R.-161°, W.-341°.
15821 <i>E 4289.4</i>	Andiparos, pier, head.	37° 02.0' N 25° 05.0' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	23 7	3	White metal framework tower, red band.	
15824 <i>E 4286</i>	-Agios Fokas.	37° 05.3' N 25° 07.8' E	Fl.W. period 4s fl. 0.6s, ec. 3.4s	36 11	6	Metal framework tower on white round hut; 26.	Visible 226°-157°.
15826 <i>E 4288</i>	-Paroika Reef.	37° 05.0' N 25° 08.4' E	Fl.(2)W. period 10s	23 7	6	ISOLATED DANGER BRB, tower, topmark.	
15832 <i>E 4298</i>	-Nisis Mirmingas.	37° 12.0' N 25° 04.0' E	Fl.W. period 5s fl. 0.6s, ec. 4.4s	56 17	8	White square hut with two columns.	
15836 <i>E 4290</i>	-Akra Korakas, W. side of entrance to Ormos Naousis.	37° 09.1' N 25° 13.1' E	L.Fl.W. period 12s fl. 2s, ec. 10s	197 60	14	Square tower on dwelling; 33.	Visible 059°-311°.
15840 <i>E 4291</i>	-Naoussa harbor, N. breakwater, head.	37° 08.0' N 25° 14.0' E	Fl.R. period 1.5s fl. 0.3s, ec. 1.2s	36 11	3	Metal framework tower, red band and gallery.	
15841 <i>E 4291.2</i>	--S. breakwater, head.	37° 08.0' N 25° 14.0' E	Fl.G. period 1.5s fl. 0.2s, ec. 1.3s	23 7	3	White metal framework.	
15844 <i>E 4293</i>	-Vrakhos Amaridhes, off E. coast.	37° 03.0' N 25° 19.1' E	Fl.W.R. period 4s fl. 0.4s, ec. 3.6s	34 10	W. 5 R. 3	Concrete column on hexagonal pedestal.	W. 015°-185°, R.-015°.
15848 <i>E 4292</i>	-Akra Kratzi, Ormos Marmara, entrance, S. side.	37° 03.0' N 25° 17.0' E	Fl.(3)W.G. period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	76 23	W. 12 G. 10	Round hut.	G. 250°-260°, W.-250°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE-KIKLADHES							
15852 <i>E 4282</i>	Nisis Strongilo, SW. of Nisos Paros.	36° 56.0' N 24° 57.0' E	Fl.(2)W. period 14s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 11.5s	164 50	5	Iron column with mast, masonry base; 19.	Visible 300°-182°.
15856 <i>E 4283</i>	Nisis Dhespotiko, Akra Koutsouras.	36° 58.9' N 25° 01.5' E	Fl.W. period 4s fl. 0.4s, ec. 3.6s	128 39	5	White round hut with metal framework.	Visible 122°-042°.
15860 <i>E 4294</i>	Nisos Irakleia, Ormos Ayios Georgios.	36° 52.3' N 25° 28.5' E	Fl.W. period 1.5s fl. 0.3s, ec. 1.2s	69 21	5	Metal framework on white square hut; 19.	
15864 <i>E 4294.1</i>	Nisos Skhoinousa, Ormiskos Mersinia.	36° 51.3' N 25° 30.5' E	Fl.W. period 4s fl. 0.4s, ec. 3.6s	33 10	6	Metal framework tower on pedestal.	
15865 <i>E 4294.15</i>	-N. rock.	36° 53.4' N 25° 32.6' E	Fl.W. period 7s fl. 0.8s, ec. 6.2s		6	Metal framework with gallery and column.	
15866 <i>E 4294.4</i>	-Vrakhonisidha Plaki.	36° 51.7' N 25° 37.4' E	Fl.(2)W. period 8s fl. 0.8s, ec. 1.5s fl. 0.8s, ec. 4.9s		8	Metal framework with gallery and column.	
15868 <i>E 4294.2</i>	Koufonisia.	36° 55.9' N 25° 35.4' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	30 9	3	Round metal tower, framework column; 16.	Visible 270°-133°.
15872 <i>E 4294.5</i>	Kopria.	36° 59.1' N 25° 38.2' E	Fl.(2)W. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 9.5s	246 75	10	Metal tower.	
NISOS NAXOS:							
15876 <i>E 4295</i>	-Akra Stavros.	37° 12.3' N 25° 32.2' E	Fl.(2)W. period 16s fl. 1s, ec. 2s fl. 1s, ec. 12s	164 50	13	Metal framework; 10.	
15880 <i>E 4293.6</i>	-Ormos Naxou, N. breakwater, head.	37° 06.4' N 25° 21.9' E	Fl.R. period 4s fl. 0.5s, ec. 3.5s	26 8	7	White round hut, column; 17.	
15884 <i>E 4295.5</i>	Akra Kaloterousa.	37° 08.0' N 25° 50.0' E	Fl.(3)W. period 15s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 11.7s	482 147	10	Round hut.	Visible 084°-323°.
NISOS MILOS:							
15888 <i>E 4246</i>	-Nisis Paximadhi, N. Milos, off SW. point	36° 37.8' N 24° 19.0' E	Fl.(2)W. period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	95 29	12	Round hut.	Visible 273°-183°.
15892 <i>E 4248</i>	-Nisidhes Ananes.	36° 33.0' N 24° 08.7' E	Fl.(3)W. period 12s fl. 0.3s, ec. 1.3s fl. 0.3s, ec. 1.3s fl. 0.3s, ec. 8.5s	279 85	9	Metal hut.	
15896 <i>E 4244</i>	-Nisos Andimilos, Akra Kokhlidi.	36° 47.0' N 24° 13.0' E	Fl.W. period 2s fl. 0.3s, ec. 1.7s	197 60	8	Metal framework tower on pedestal.	Visible 312°-170°.
15900 <i>E 4240</i>	-Nisidhes Akradhia, NW. point of W. islet.	36° 47.0' N 24° 23.0' E	Fl.W. period 10s fl. 1s, ec. 9s	289 88	10	Square tower, dwelling; 23.	
15904 <i>E 4242</i>	-Ormos Milou, Akra Bombardha.	36° 43.3' N 24° 26.0' E	Fl.W. period 5s fl. 1s, ec. 4s	118 36	12	Round hut.	Visible 234°-128°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE-KIKLADHES							
15906 <i>E 4242.2</i>	--Adhamas marina, mole, head.	36° 43.5' N 24° 26.9' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework and gallery, metal column with red band; 20.	
15912 <i>E 4239</i>	-Akra Pelekoudha.	36° 46.1' N 24° 31.7' E	Fl.W. period 2s fl. 0.3s, ec. 1.7s	56 17	5	Metal column on white round hut; 16.	
15916 <i>E 4249</i>	-Voudhia, jetty, head.	36° 45.0' N 24° 32.0' E	F.R.	52 16	3		
15920 <i>E 4252</i>	-Nisis Poliaigos.	36° 46.0' N 24° 39.0' E	Fl.W. period 5s fl. 0.2s, ec. 4.8s	453 138	19	Round tower, dwelling; 29.	
15924 <i>E 4250</i>	-Nisis Ayios Evstathios, N. head.	36° 46.6' N 24° 35.0' E	Fl.(3)W. period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	85 26	6	Metal framework, gallery; 13.	Visible 033°-000°.
15926	Nisos Kimolos, S.	36° 46.4' N 24° 34.0' E	Q.(6)+L.Fl.W. period 15s	20 6	5	S. CARDINAL YB, beacon, topmark.	
15928 <i>E 4238</i>	-Ormos Semina.	36° 48.3' N 24° 35.6' E	Fl.G. period 5s fl. 1s, ec. 4s	36 11	5	White square framework with green band; 13.	
15932 <i>E 4256</i>	Nisos Folegandros.	36° 38.1' N 24° 51.7' E	Fl.(3)W. period 30s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 19.9s	229 70	17	White round tower and dwelling; 36.	Visible 306°-138°.
15936 <i>E 4258</i>	-Ormos Karavostasi, N. entrance point.	36° 36.9' N 24° 57.2' E	Fl.W.R. period 6s fl. 0.5s, ec. 5.5s	49 15	W. 10 R. 7	Metal framework; 13.	R. 202°-248°, W.-322°, R.-344°, W.-096°.
15937 <i>E 4259</i>	--Mole, head.	36° 37.0' N 24° 57.0' E	Q.G.	26 8	3	Metal framework on white hexagonal hut, green band; 21.	
15940 <i>E 4260</i>	Nisos Sikinos, Ormos Skala, E. entrance point.	36° 40.4' N 25° 08.6' E	Fl.W. period 5s fl. 1s, ec. 4s	59 18	8	White round hut with column; 16.	
15941 <i>E 4261</i>	-Skala, mole, head.	36° 40.5' N 25° 08.4' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	26 8	5	Metal framework, gallery and column; 20.	
15944 <i>E 4262</i>	Nisos Ios, Ormos Iou, Akra Fanari.	36° 43.2' N 25° 15.6' E	Fl.W. period 5s fl. 0.8s, ec. 4.2s	108 33	9	Square tower on house; 30.	
15945 <i>E 4263</i>	-Agia Eirini, breakwater, head.	36° 43.6' N 25° 16.2' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	26 8	3	Metal framework with gallery.	
15948 <i>E 4296</i>	Nisis Mikros Avelos.	36° 49.7' N 25° 23.8' E	Fl.(3)W. period 10s fl. 0.5s, ec. 1.2s fl. 0.5s, ec. 1.2s fl. 0.5s, ec. 6.1s	131 40	7	Round hut.	
15950 <i>E 4266.3</i>	Nisos Thira, Vlikhadhes, marina, W. mole, head.	36° 20.1' N 25° 26.1' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	4	Metal framework with gallery and column, red band.	
15950.2 <i>E 4266.31</i>	--E. mole, head.	36° 20.2' N 25° 26.1' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	4	Metal framework with gallery and column, green band.	
15952 <i>E 4266</i>	-Akra Akrotiri.	36° 21.0' N 25° 21.0' E	Fl.W. period 10s fl. 1s, ec. 9s	328 100	24	Square tower and dwelling; 33.	
15954 <i>E 4266.5</i>	-Katsouni, breakwater, head.	36° 23.1' N 25° 25.6' E	Fl.G. period 3s fl. 0.4s, ec. 2.6s	20 6	5	Metal framework, gallery and column, green band.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE-KIKLADHES							
15956 <i>E 4267</i>	-Nisis Nea Kaimeni.	36° 23.9' N 25° 24.2' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	26 8	5	White round hut, metal framework; 16.	
15960 <i>E 4268</i>	-Thira Skala.	36° 25.0' N 25° 26.0' E	Q.R.	23 7	3	Metal framework; 13.	
15964 <i>E 4269</i>	-Nikolaos Point.	36° 27.6' N 25° 22.2' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	26 8	4	White round hut, green band, column; 16.	
15968 <i>E 4270</i>	-Ammoudi Point.	36° 27.9' N 25° 22.1' E	Fl.W. period 4s fl. 0.6s, ec. 3.4s	233 71	7	Metal framework; 16.	
15976 <i>E 4276</i>	Nisidhes Kristiana, Nisis Eskhati.	36° 13.0' N 25° 14.0' E	Fl.(3)W. period 9s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 5.7s	79 24	10	Metal framework; 10.	
15980 <i>E 4295.7</i>	Nisidhes Bouvais, about 37 km. N. of Nisos Amorgos.	37° 14.1' N 25° 55.4' E	Fl.W. period 8s fl. 1s, ec. 7s	184 56	12	Metal framework tower with gallery on hut.	
NISOS AMORGOS:							
15984 <i>E 4278.4</i>	-Akra Langadhia.	36° 55.0' N 25° 58.0' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	312 95	8	Metal tower; 16.	Visible 289°30'-206°.
15985 <i>E 4278.5</i>	-Aigial, mole, head.	36° 54.2' N 25° 58.5' E	Fl.G. period 3s fl. 0.4s, ec. 2.6s	20 6	5	Metal framework, gallery and column.	
15988 <i>E 4278</i>	-Ormos Katapola, Akra Ayios Ilias.	36° 50.3' N 25° 50.4' E	Fl.(2)W. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	151 46	12	Metal framework tower, red band.	
15992 <i>E 4277.5</i>	-Nisis Grabousa.	36° 49.0' N 25° 45.0' E	Fl.W. period 1.5s fl. 0.3s, ec. 1.2s	45 14	5	Metal framework tower, red band.	Visible 024°-336°.
15996 <i>E 4277</i>	-Akra Korax.	36° 46.0' N 25° 48.0' E	Fl.W. period 8s fl. 1s, ec. 7s	249 76	11	Metal tower with gallery.	Visible 263°-090°.
16000 <i>E 4279</i>	Nisidhes Liadhi, northernmost islet.	36° 54.4' N 26° 10.3' E	Fl.(2)W. period 20s fl. 1s, ec. 2s fl. 1s, ec. 16s	214 65	9	Truncated iron pyramid; 12.	
16004 <i>E 4280</i>	Nisis Levitha, Akra Spano.	36° 59.9' N 26° 29.8' E	L.Fl.W. period 10s fl. 2s, ec. 8s	88 27	11	White metal framework tower; 13.	Visible 161°-075°.
GREECE-KRITI (CRETE)							
16008 <i>E 4780</i>	Nisis Agria Gramvousa.	35° 38.8' N 23° 34.5' E	Fl.W.R. period 10s fl. 0.3s, ec. 9.7s	354 108	W. 17 R. 13	White metal beacon, red band, masonry base; 10.	W. 330°-239°, R.-255°, W.-319°, obsc.-330°.
16010 <i>E 4780.4</i>	Kavonisi, NE. mole, head.	35° 30.9' N 23° 38.4' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	23 7	3	Metal column with gallery on metal framework, green band; 18.	
16010.5 <i>E 4780.5</i>	-SW. mole, head.	35° 30.9' N 23° 38.1' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	30 9	3	Metal framework with gallery and metal column, red band; 20.	
16011 <i>E 4780.6</i>	-Kolimvarion, N. mole, head.	35° 33.0' N 23° 46.9' E	Fl.G. period 4s fl. 0.4s, ec. 3.6s	26 8	4	Metal framework with gallery, metal column, green band.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE-KRITI (CRETE)							
16011.5 <i>E 4780.7</i>	--S. mole, head.	35° 32.9' N 23° 46.9' E	Fl.R. period 4s fl. 0.4s, ec. 3.6s	26 8	4	Metal framework with gallery, metal column, red band.	
16012 <i>E 4781</i>	Kolpos Khanion, Limin Khanion, entrance, E. side.	35° 31.2' N 24° 01.0' E	Fl.R. period 2.5s fl. 0.1s, ec. 2.4s	85 26	7	Masonry tower.	F.R. and F.G. mark inner mole heads.
16024 <i>E 4783</i>	Akra Maleka.	35° 35.0' N 24° 10.0' E	Fl.(2)W. period 12s fl. 1s, ec. 2s fl. 1s, ec. 8s	156 48	10	Metal framework tower on pedestal.	
16032 <i>E 4783.6</i>	Khersonisos Akrotinov.	35° 32.0' N 24° 12.0' E	2 F.R. (horiz.)	558 170			
16036 <i>E 4784</i>	Akra Dhrapanon.	35° 28.0' N 24° 14.0' E	Fl.(3)W. period 30s fl. 0.3s, ec. 4.7s fl. 0.3s, ec. 4.7s fl. 0.3s, ec. 19.7s	184 56	20	Octagonal tower and dwelling; 23.	Visible 066°-324°.
ORMOS SOUDHAS:							
16040 <i>E 4786</i>	-Nisis Soudhas, fortress, S. part.	35° 29.2' N 24° 09.2' E	Fl.G. period 4.8s fl. 0.8s, ec. 4s	66 20	6	White pyramid, green band; 16.	Visible 245°-120°.
16056 <i>E 4788</i>	-Vlite Pier.	35° 30.3' N 24° 05.4' E	3 F.G. (vert.)	39 12	3	White metal column.	1 meter apart.
16060 <i>E 4788.5</i>	-Jetty head, 0.9 mile W. of Vlite pier.	35° 30.0' N 24° 04.0' E	2 F.G. (vert.)	33 10	3	White metal column, green band; 29.	1 meter apart.
16064 <i>E 4790</i>	Limin Rethimnis, N. mole, head.	35° 22.4' N 24° 29.0' E	Fl.G. period 3s fl. 1s, ec. 2s	33 10	10	Hexagonal hut, column with gallery, green band.	
16068 <i>E 4791.4</i>	-S. mole, head.	35° 22.2' N 24° 29.0' E	Fl.R. period 4s fl. 1s, ec. 3s	39 12	10	White hexagonal hut, column with gallery, red band; 23.	
16072 <i>E 4782.4</i>	-Harbor mole, head.	35° 31.1' N 24° 01.1' E	F.G.	23 7	3	White metal column, green band; 26.	Visible only inside harbor.
16074 <i>E 4791.8</i>	Panormos Bay, N. mole, head.	35° 25.3' N 24° 41.5' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework, gallery and column, green band; 21.	Fl.R. 3s 7m 3M light marks E. mole head.
16075 <i>E 4793</i>	Bali Bay, mole, head.	35° 24.9' N 24° 47.1' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework, gallery and column, green band; 19.	
16076 <i>E 4792</i>	Khondros Kavos.	35° 25.6' N 24° 42.0' E	Fl.W.R. period 6s fl. 1s, ec. 5s	187 57	W. 12 R. 8	White lantern house; 15.	R. shore-097°, W.-270°, obscured elsewhere.
16080 <i>E 4794</i>	Akra Stavros.	35° 26.0' N 24° 59.0' E	Fl.(2)W. period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	67 20	11	Metal framework with gallery; 20.	
16084 <i>E 4796</i>	Titan cement, loading pier, head.	35° 21.0' N 25° 03.0' E	3 F.R. (vert.)	46 14	3	White metal tower.	1 meter apart.
16085 <i>E 4795</i>	Tsimeda, pier, head.	35° 21.0' N 25° 03.0' E	2 F.R. (vert.)	43 13	3	White metal mast, red band; 26.	1 meter apart.
16088 <i>E 4810</i>	Nisis Dia, N. point.	35° 27.9' N 25° 12.9' E	L.Fl.W. period 12s fl. 2s, ec. 10s	102 31	9	White pyramidal tower.	Visible 067°-284°.
16092 <i>E 4812</i>	-Akra Stavros (Apiri).	35° 25.6' N 25° 14.3' E	Fl.W. period 6s fl. 1s, ec. 5s	423 129	12	White round hut; 15.	Visible 180°30'-112°30'.
16096 <i>E 4813</i>	Nisis Avgo.	35° 36.2' N 25° 34.4' E	Fl.W. period 5s fl. 1s, ec. 4s	188 57	9	Iron tower; 16.	Visible 288°-275°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE-KRITI (CRETE)							
LIMIN IRAKLIU:							
16098 <i>E 4797.4</i>	-Boat Harbor, N. mole, head.	35° 21.3' N 25° 02.6' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	4	Metal framework with gallery, metal column, green band.	
16098.1 <i>E 4797.6</i>	--S. mole, head.	35° 21.3' N 25° 02.6' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	4	Metal framework with gallery, metal column, red band.	
16100 <i>E 4798</i>	-N. breakwater, head.	35° 21.1' N 25° 09.4' E	L.Fl.G. period 6s fl. 2s, ec. 4s	46 14	9	White hexagonal hut, column and gallery, green band; 39.	F.R. on radio tower 0.85 mile SE.
16104 <i>E 4800</i>	-S. breakwater, head.	35° 20.9' N 25° 09.2' E	L.Fl.R. period 6s fl. 2s, ec. 4s	43 13	9	White round tower on building pilots; 33.	
16120 <i>E 4808</i>	-AVIATION LIGHT.	35° 20.3' N 25° 10.6' E	Al.W.G. period 4s	187 57	15	Control tower.	Aero.
16121 <i>E 4813.3</i>	Ayios Konstandinos, N. mole, head.	35° 20.2' N 25° 17.8' E	Fl.G. period 4s fl. 1s, ec. 3s	30 9	6	Framework tower, gallery and metal column, green band.	
16121.5 <i>E 4813.31</i>	-S. mole, head.	35° 20.2' N 25° 17.8' E	Fl.R. period 4s fl. 1s, ec. 3s	30 9	6	Framework tower, gallery and metal column, red band.	
16122 <i>E 4813.5</i>	Chersonisos, mole, head.	35° 19.2' N 25° 23.6' E	Fl.G. period 2s fl. 0.5s, ec. 1.5s	33 10	5	Metal hexagonal hut, gallery and column, green band; 28.	
16123 <i>E 4813.7</i>	Milatos, N. mole.	35° 19.2' N 25° 33.7' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	20 6	3	Round hut with metal framework, green band.	F.R. 3s 3M marks S. mole.
16124 <i>E 4814</i>	Akra Ayios Ioannis.	35° 20.0' N 25° 47.0' E	Fl.(2)W. period 12.8s fl. 0.8s, ec. 3s fl. 0.8s, ec. 8.2s	160 49	11	White round masonry tower, brown dwelling with red roof; 29.	Visible 092°-002°.
KOLPOS MERABELLOU:							
16128 <i>E 4816</i>	-Nisis Ayioi Pandes.	35° 12.2' N 25° 43.9' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	79 24	4	White metal framework and dwelling; 23.	
16132 <i>E 4818</i>	--Pier, jetty, head.	35° 12.0' N 25° 43.0' E	Fl.R. period 2s fl. 0.8s, ec. 1.2s	33 10	7	Concrete column on hexagonal pedestal, red band; 19.	
16136 <i>E 4819</i>	-Nisis Konidha.	35° 08.0' N 25° 49.0' E	L.Fl.W. period 10s fl. 2s, ec. 8s	82 25	4	White round hut, metal framework; 16.	
16138 <i>E 4819.5</i>	-Ormos Altsi, pier, head.	35° 11.0' N 25° 54.0' E	F.R.	43 13	3	Metal mast, red band.	Private.
ORMOS SITIAS:							
16140 <i>E 4820</i>	-Akra Vamvakia.	35° 13.0' N 26° 08.0' E	Fl.(3)W. period 18s fl. 0.8s, ec. 2s fl. 0.8s, ec. 2s fl. 0.8s, ec. 11.6s	79 24	10	Metal framework tower; 16.	
16145 <i>E 4822</i>	--N. mole, head.	35° 12.6' N 26° 06.7' E	F.G.	26 8	3	White metal column, green band.	
16152 <i>E 4824</i>	Nisis Paximadha, Kriti, off E. point.	35° 23.0' N 26° 11.0' E	Fl.W.R. period 6s fl. 1s, ec. 5s	118 36	W. 12 R. 8	White round hut.	W. 019°-284°, R. -314°, obscured elsewhere.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE-KRITI (CRETE)							
16156 <i>E 4824.5</i>	Nisis Yianisadha, islet, SE. point.	35° 20.0' N 26° 11.0' E	Fl.W.R. period 10s fl. 0.5s, ec. 9.5s	46 14	W. 7 R. 5	Metal framework tower; 10.	R. 275°-280°, W.-304°, R.-310°, W.-052°, obsc.-213°, W.-275°.
16160 <i>E 4826</i>	Akra Sidheros.	35° 19.0' N 26° 19.0' E	Fl.W. period 10s fl. 0.2s, ec. 9.8s	148 45	23	Round tower, dwelling; 49.	
16164 <i>E 4825</i>	Kiriamadi, on rock.	35° 18.0' N 26° 16.0' E	Fl.W.R. period 3s fl. 0.3s, ec. 2.7s	39 12	W. 4 R. 3	Metal framework tower, 20.	R. 149°-156°, W.-308°, R.-357°, W.-149°.
16168 <i>E 4825.5</i>	--Pier, head.	35° 18.0' N 26° 18.0' E	2 F.R. (vert.)	29 9	3	White metal framework, red band; 26.	1 meter apart.
16170 <i>E 4827</i>	Kouremenos Bay.	35° 13.0' N 26° 16.3' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	20 6	3	Square hut with metal framework and gallery, green band.	
16172 <i>E 4828</i>	Akra Plaka.	35° 11.9' N 26° 19.1' E	Fl.(2)W. period 12s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 8.5s	72 22	10	Metal framework; 13.	Visible 084°-353°.
16176 <i>E 4830</i>	Koufonisi.	34° 56.0' N 26° 08.0' E	Fl.(2)W. period 16s fl. 1s, ec. 2s fl. 1s, ec. 12s	239 73	10	Metal framework tower, hut; 19.	
16180 <i>E 4829</i>	Nisidhes Kavalloi.	35° 01.6' N 26° 13.8' E	Fl.(3)W. period 12s fl. 0.3s, ec. 1.5s fl. 0.3s, ec. 1.5s fl. 0.3s, ec. 8.1s	95 29	6	Metal framework; 13.	Visible 181°-225°, 252°-063°, 069°-103°.
16182 <i>E 4830.5</i>	Makrys Gyalos Bay.	35° 02.3' N 25° 58.5' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	20 6	3	Round hut with metal framework, red band.	
16184 <i>E 4831</i>	Ierapetra, breakwater, head.	35° 00.0' N 25° 44.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	30 9	4	White hexagonal hut, column and gallery, red band.	
16188 <i>E 4833</i>	Akra Theofalos.	34° 59.0' N 25° 30.3' E	Fl.(2)W. period 12s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 8.5s	246 75	10	Metal framework on white round hut; 16.	Visible 262°-086°.
16192 <i>E 4832</i>	Nisis Khrisi.	34° 52.8' N 25° 41.7' E	Fl.(2)W. period 12s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 8.5s	39 12	10	Metal framework on white round hut; 16.	Visible 056°-267°.
16196 <i>E 4833.6</i>	Nisis Megalonis.	34° 55.5' N 24° 48.0' E	Fl.(3)W. period 20s fl. 0.5s, ec. 3s fl. 0.5s, ec. 3s fl. 0.5s, ec. 12.5s	220 67	11	White pyramid with gallery; 20.	
16202 <i>E 4833.7</i>	-Kokkinos Pyrgos.	35° 04.8' N 24° 44.2' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework tower with gallery, red band.	
16204 <i>E 4836</i>	Ayios Galinis, on mole.	35° 06.0' N 24° 42.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	33 10	3	Metal framework with gallery and red band; 20.	
16208 <i>E 4840</i>	Nisos Gavdos, Akra Tripiti.	34° 48.0' N 24° 07.0' E	Fl.(2)W. period 16s fl. 1s, ec. 2s fl. 1s, ec. 12s	121 37	12	White metal framework tower with gallery; 20.	Visible 224°-120°.
16212 <i>E 4838</i>	Nisis Gavdhopoula, NW. point.	34° 56.0' N 24° 00.0' E	Fl.W. period 8s fl. 1s, ec. 7s	183 56	12	Metal framework; 13.	Visible 327°-295°.
16216 <i>E 4842</i>	Nisis Loutron.	35° 11.8' N 24° 05.0' E	L.Fl.W. period 10s fl. 2s, ec. 8s	56 17	6	Metal framework on white round hut; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE-KRITI (CRETE)							
16220 <i>E 4844</i>	Nisis Palaioikhoras.	35° 13.0' N 23° 40.0' E	Fl.W. period 8s fl. 1s, ec. 7s	52 16	8	Pyramid, gallery; 19.	Visible 259°-217°.
16224 <i>E 4778</i>	Elafonisi, Kriti, off SW. coast.	35° 16.0' N 23° 31.4' E	Fl.(3)W. period 20s fl. 0.5s, ec. 3s fl. 0.5s, ec. 3s fl. 0.5s, ec. 12.5s	141 43	12	Metal framework tower, with gallery; 49.	Visible 305°-159°.
16226 <i>E 4779</i>	Tousoula Point.	35° 28.8' N 23° 34.1' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework with gallery and column, green band.	
GREECE							
KOLPOS PETALION:							
16228 <i>E 4451</i>	-Nisis Mandili.	37° 56.0' N 24° 31.0' E	Fl.(3)W. period 20s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 13.3s	272 83	15	Round tower, dwelling; 33.	
16232 <i>E 4344</i>	-Ormos Karistou, pier, head.	38° 00.0' N 24° 25.0' E	Fl.G. period 1.5s fl. 0.2s, ec. 1.3s	26 8	4	Metal framework on white round hut, green band; 19.	
16236 <i>E 4345.2</i>	--Inner pier, head.	38° 00.8' N 24° 25.1' E	2 F.R. (vert.)	26 8	3	White metal column; 19.	1 meter apart.
16240 <i>E 4346</i>	-Nisis Paximadhi.	37° 57.0' N 24° 23.0' E	Fl.W. period 5s fl. 0.4s, ec. 4.6s	89 27	4	Iron framework tower, masonry base.	
16244 <i>E 4348</i>	-Nisis Foundion, islet, S. head.	38° 01.8' N 24° 14.9' E	Fl.W. period 3.6s fl. 0.3s, ec. 3.3s	26 8	5	White square hut with two columns; 18.	
16252 <i>E 4346.4</i>	Raftis.	37° 53.0' N 24° 02.7' E	Fl.W. period 2s fl. 0.5s, ec. 1.5s	328 100	9	Metal framework with gallery; 23.	
16256 <i>E 4347</i>	-Akra Velani.	37° 59.0' N 24° 02.0' E	Fl.W. period 1.5s fl. 0.2s, ec. 1.3s	23 7	4	Column on white round hut; 20.	
16264 <i>E 4347.6</i>	-Ormos Rafinas, mole, head.	38° 01.4' N 24° 00.7' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	30 9	3	Metal framework; 13.	
16266 <i>E 4349.5</i>	-Agios Andreas.	38° 04.3' N 24° 00.1' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	20 6	3	White round hut.	
16268 <i>E 4350</i>	-Nisis Dhipsa.	38° 06.7' N 24° 06.5' E	Fl.W. period 4s fl. 0.2s, ec. 3.8s	56 17	6	White round hut.	
16269 <i>E 4351</i>	-Nea Stira, pier, head.	38° 10.8' N 24° 12.3' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework with gallery and metal column, green band.	
16270 <i>E 4351.3</i>	-Rozani, mole, head.	38° 10.5' N 24° 12.4' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework with gallery and metal column, green band.	
NOTIOS EVVOIKOS KOLPOS:							
16272 <i>E 4354</i>	-Nisidhes Verdhoyi, NW. islet.	38° 11.4' N 24° 05.4' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	56 17	6	White metal framework.	Obscured by Pathenopi Islet.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE							
16276 <i>E 4350.3</i>	-Kouneli Islet.	38° 11.0' N 24° 10.0' E	Fl.W.R. period 1.5s fl. 0.3s, ec. 1.2s	33 10	W. 5 R. 3	Metal framework on square hut.	W. 100°-290°, R.-317°, obsc.-100°.
16280 <i>E 4352</i>	--SE. islet.	38° 11.0' N 24° 06.0' E	Fl.(2)W. period 16s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 14.2s	33 10	6	White iron tower.	Visible 123°-091°.
16284 <i>E 4355</i>	-Akra Ayios Marina.	38° 12.0' N 24° 04.3' E	Fl.(3)W. period 15s fl. 0.5s, ec. 1.3s fl. 0.5s, ec. 1.3s fl. 0.5s, ec. 10.9s	56 17	7	Metal framework; 23.	
16285 <i>E 4356</i>	--Pier, head.	38° 11.2' N 24° 04.0' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	23 7	3	Metal column on pedestal.	
16286 <i>E 4356.4</i>	-Ormos Almiropotamos, pier, head.	38° 16.0' N 24° 09.4' E	2 F.G. (vert.)	23 7	3	White metal column, green band; 23.	
16287 <i>E 4359.3</i>	-Ormos Boufalo.	38° 18.1' N 24° 07.1' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework tower, gallery and column, green band.	
16288 <i>E 4358</i>	-Ormos Aliveriou, breakwater, head.	38° 23.0' N 24° 03.0' E	Fl.R. period 1.5s fl. 0.2s, ec. 1.3s	24 7	3	Metal framework tower on hut.	
16289 <i>E 4357</i>	--Power station, mole, head.	38° 23.4' N 24° 02.9' E	Fl.G. period 4s fl. 1s, ec. 3s	33 10	7	Column and gallery on hexagonal concrete pedestal, green band.	
16292 <i>E 4359</i>	-Milaki, pier, head.	38° 23.0' N 24° 03.0' E	2 F.R. (vert.)	29 9	5	White metal column.	
16294 <i>E 4359.5</i>	-Ormos Ayios Apostoloi, mole, head.	38° 17.7' N 23° 53.9' E	F.R.	26 8	2	White metal column with red band; 16.	
16295 <i>E 4359.75</i>	-Amarinthos, mole, head.	38° 23.4' N 23° 52.6' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework with gallery, metal column, green band; 20.	
16296 <i>E 4360</i>	-Ormos Oropou, Skala Oropou.	38° 19.6' N 23° 48.4' E	Fl.W. period 4s fl. 0.2s, ec. 3.8s	16 5	7	Metal framework tower on hut; 16.	
16300 <i>E 4361</i>	--Oropos, pier, head.	38° 19.3' N 23° 47.5' E	3 F.Or.	23 7	1	White metal column; 20.	
16304 <i>E 4362</i>	-Limin Eretrias (Nea Psara), on rock near head of mole, NW. side of entrance.	38° 23.0' N 23° 47.0' E	Fl.W.R. period 1.5s fl. 0.3s, ec. 1.2s	23 7	W. 5 R. 3	Metal framework on white round hut.	W. 342°-061°, R.-342°.
16308 <i>E 4366</i>	-Stenon Avlidhos, Akra Avlis.	38° 24.0' N 23° 38.0' E	Fl.(2)W. period 12s fl. 1s, ec. 1s fl. 1s, ec. 9s	30 9	6	Square tower on dwelling.	
16310 <i>E 4369</i>	-Ormos Megalo Vathi, pier, head.	38° 25.2' N 23° 35.7' E	2 F.R. (vert.)	20 6		Column; 13.	Private light.
16311 <i>E 4369.4</i>	-Khalkidha Shipyard, pier, head.	38° 25.0' N 23° 36.0' E	3 F.R. (vert.)	23 7	3	White metal mast, red band; 16.	1 meter apart. Private light.
16312 <i>E 4368</i>	-Nisis Passas.	38° 25.7' N 23° 37.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	30 9	5	White square hut, metal framework; 18.	Visible 313°-168°.
16316 <i>E 4370</i>	-Akra Perama.	38° 26.5' N 23° 35.9' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	36 11	5	Metal framework on white square hut, red band; 19.	
16317 <i>E 4372</i>	-Dhiavlos Steno, pier, head.	38° 27.0' N 23° 36.0' E	2 F.G. (vert.)	20 6	3	White metal column; 13.	1 meter apart.
16320 <i>E 4371</i>	-Porthmos Evripou, Khalkis.	38° 26.6' N 23° 35.6' E	2 F.R. (vert.)	33 10	3	White metal column, red band; 26.	1 meter apart.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE							
16324 <i>E 4375</i>	-Ikhinos Scala, strait, N. entrance, W. side.	38° 28.0' N 23° 35.0' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	26 8	3	White hexagonal hut, column, green band; 20.	
16328 <i>E 4378</i>	-Kakokefali.	38° 28.0' N 23° 36.0' E	Fl.(2)R. period 18s fl. 0.2s, ec. 5.8s fl. 0.2s, ec. 11.8s	68 21	12	Square tower; 39.	
16332 <i>E 4380</i>	-Nea Artaki.	38° 30.8' N 23° 37.7' E	Fl.W. period 1.5s fl. 0.3s, ec. 1.2s	30 9	5	White hexagonal hut, column; 19.	
16336 <i>E 4382</i>	-Akra Mnima.	38° 35.0' N 23° 32.0' E	Fl.W. period 3.5s fl. 0.3s, ec. 3.2s	33 10	6	Hexagonal hut with column and gallery on pedestal.	
16340 <i>E 4408</i>	-Larimna.	38° 34.0' N 23° 17.3' E	Fl.W. period 5s fl. 0.3s, ec. 4.7s	26 8	5	White round hut with metal framework.	
16341 <i>E 4408.5</i>	--Quay, W. head.	38° 34.1' N 23° 17.7' E	Fl.R. period 5s fl. 1s, ec. 4s	39 12	9	Pyramid, red band; 32.	
16344 <i>E 4409</i>	-Akra Stalamata.	38° 38.6' N 23° 18.5' E	Fl.(2)W. period 8s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 6.2s	50 15	7	Iron framework tower, hut.	Visible 113°-302°.
16348 <i>E 4384</i>	-Ormos Limnis, W. point.	38° 45.8' N 23° 18.7' E	Fl.W. period 1.5s fl. 0.2s, ec. 1.3s	85 26	5	White round hut with column.	
16352 <i>E 4412</i>	-Nisis Atalandi, N. point.	38° 41.0' N 23° 05.4' E	Fl.W. period 1.5s fl. 0.2s, ec. 1.3s	33 10	5	White round hut with metal framework.	Visible 043°-266°.
16353 <i>E 4413</i>	--Mole, head.	38° 40.4' N 23° 04.6' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	23 7	3	Metal framework with gallery and metal column with green band.	
16356 <i>E 4413</i>	-Skala Livanates.	38° 42.4' N 23° 08.8' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework with gallery, green band.	
16360 <i>E 4416</i>	-Akra Arkitsa.	38° 45.3' N 23° 02.0' E	Fl.(2)W. period 5s fl. 0.2s, ec. 1.5s fl. 0.2s, ec. 3.1s	49 15	19	Square tower, dwelling; 49.	
16372 <i>E 4417</i>	--Ormos Yialtrou.	38° 52.4' N 22° 58.8' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	23 7	5	White round hut, metal framework; 16.	
16374 <i>E 4416.5</i>	-Loutra Aidhipsou, on center of ramp.	38° 51.4' N 23° 02.4' E	3 F.Y.	20 6	3	White metal column.	
DHIAVLOS KNIMIDHOS:							
16375 <i>E 4423</i>	-Kammena Vourla Marina, NE mole, head.	38° 46.9' N 22° 47.1' E	Fl.R. period 4s fl. 0.8s, ec. 3.2s	23 7	6	Metal framework with gallery and column, red band; 20.	
16375.2 <i>E 4423.1</i>	--SW mole, head.	38° 46.9' N 22° 47.1' E	Fl.G. period 4s fl. 0.8s, ec. 3.2s	30 9	6	Metal framework with gallery and column, green band; 20.	
16376 <i>E 4422</i>	-Akra Knimis.	38° 47.0' N 22° 49.0' E	Fl.W.R. period 2s fl. 0.2s, ec. 1.8s	20 6	W. 6 R. 3	White hut; 17.	W. 098°-140°, R.-230°, W.- 278°.
16377 <i>E 4418</i>	--S. breakwater, head.	38° 45.0' N 22° 51.0' E	F.G.	23 7	7	Concrete column with green band.	
16378 <i>E 4418.5</i>	--Quay, N. head.	38° 45.5' N 22° 51.4' E	3 F.G.	20 6	3	Concrete column.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE							
16379 <i>E 4418.7</i>	--Motel Levedi, mole, head.	38° 26.0' N 22° 51.0' E	F.G.	16 5	3	White concrete column with green band.	
16380 <i>E 4420</i>	-Nisoi Likhadnes, Nisis Strongili, summit.	38° 48.5' N 22° 49.2' E	Fl.(2)W.R. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	134 41	W. 12 R. 9	White round masonry tower, dwelling.	R. 113°-293°, W.-113°.
16382 <i>E 4423.5</i>	-Agios Serafeim, fishing harbour, SE end.	38° 49.6' N 22° 42.8' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework with gallery, metal column and green band; 20.	
16382.2 <i>E 4423.52</i>	---NW end.	38° 49.7' N 22° 42.7' E	Q.G.	26 8	3	Metal framework with gallery, metal column and green band; 20.	
MALIAKOS KOLPOS:							
16384 <i>E 4430</i>	-Akra Dhrepanon.	38° 52.0' N 22° 45.5' E	Fl.W. period 6s fl. 1s, ec. 5s	23 7	5	Metal framework; 20.	
16388 <i>E 4424</i>	-Akra Khiliomili.	38° 51.0' N 22° 41.8' E	Fl.(3)W. period 15s fl. 0.4s, ec. 1.5s fl. 0.4s, ec. 1.5s fl. 0.4s, ec. 10.8s	33 10	10	Metal round tower, dwelling; 28.	
16392 <i>E 4427</i>	-Ormos Stilidhas, on quay.	38° 54.7' N 22° 36.9' E	Dir.L.Fl.Or. period 10s fl. 2s, ec. 8s	36 11	8	White metal tower with gallery, orange triangular daymark, point down; 33.	Visible 300°-330°.
16396 <i>E 4428.2</i>	--1 km., 137° from light on pier.	38° 54.3' N 22° 37.4' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	23 7	3	Metal framework; 10.	
16400 <i>E 4428</i>	--1 km. 134° from light on pier.	38° 54.3' N 22° 37.5' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	23 7	3	Metal framework; 10.	
16404 <i>E 4425</i>	-Ormos Ayios Marinas, pier, head.	38° 53.4' N 22° 34.8' E	F.R.	85 26	3	White metal mast, red band; 7.	Private light.
16406 <i>E 4433</i>	Agronivest Quay, SE. head.	38° 53.0' N 22° 49.0' E	3 F.G.	26 8	3	White metal column.	Lights form inverted "L".
16407 <i>E 4433.2</i>	--NW. head.	38° 53.0' N 22° 49.0' E	3 F.R.	26 8	3	White metal column.	Lights form inverted "L".
16408 <i>E 4432</i>	-Akra Vasilinas, channel, S. entrance.	38° 52.2' N 22° 51.1' E	Oc.W.G. period 5s lt. 4s, ec. 1s	30 9	W. 14 G. 11	Square masonry tower, dwelling; 32.	G. 025°-041°, W.-252°.
16410 <i>E 4433.5</i>	-St. Sostis Point.	38° 56.6' N 22° 59.3' E	Fl.W. period 8s fl. 1s, ec. 7s	52 16	6	White round hut.	
16412 <i>E 4434</i>	-Ifalos Oreon.	38° 57.2' N 23° 02.8' E	Fl.(2)W. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 9.5s	16 5	9	ISOLATED DANGER Black round hut, red band, metal tower; 20.	
16416 <i>E 4436</i>	-Skala Oreon, N. pier, head.	38° 57.0' N 23° 05.0' E	Fl.R. period 1.5s fl. 0.2s, ec. 1.3s	23 7	3	Column, red band, on white round hut; 17.	
16417 <i>E 4435</i>	-Neos Pyrgos, mole, head.	38° 56.3' N 23° 04.1' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework, gallery and column, green band; 19.	
16420 <i>E 4440</i>	-Aryironisos.	39° 01.0' N 23° 04.0' E	Fl.W. period 5s fl. 0.1s, ec. 4.9s	105 32	16	Round tower, dwelling; 23.	
16422 <i>E 4441</i>	-Pefki, mole, head.	39° 00.4' N 23° 12.1' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	23 7	3	Metal framework, gallery and column, red band; 19.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE							
NISOS EVVOIA:							
16424 <i>E 4451.3</i>	-Akra Kafirevs, Nisis Arapis.	38° 09.5' N 24° 36.1' E	Fl.(2)W. period 15s fl. 1s, ec. 3s fl. 1s, ec. 10s	112 34	10	Round hut.	Visible 098°-006°.
16428 <i>E 4451.6</i>	-Ormos Petrion, entrance, N. side.	38° 24.5' N 24° 12.5' E	Fl.W. period 5s fl. 1s, ec. 4s	131 40	4	White round hut with metal framework.	Visible 253°-138°.
16432 <i>E 4453</i>	Nisis Prasoudha.	38° 40.0' N 24° 15.0' E	Fl.W. period 5s fl. 0.1s, ec. 4.9s	138 42	16	Round masonry tower dwelling; 57.	
16435 <i>E 4451.8</i>	-Platana, breakwater, head.	38° 36.7' N 24° 07.3' E	Fl.Y. period 2s fl. 0.3s, ec. 1.7s	23 7	3	Metal framework with metal column and gallery.	
16436 <i>E 4452</i>	-Ormos Kimis, S. breakwater.	38° 37.0' N 24° 08.0' E	Fl.R. period 1.5s fl. 0.2s, ec. 1.3s	26 8	2	Concrete column on hut.	
16437 <i>E 4452.2</i>	--E. mole, head.	38° 37.6' N 24° 07.6' E	Fl.G. period 1.5s fl. 0.2s, ec. 1.3s	16 5	2	White round hut on pedestal, green band; 10.	Visible 353°-183°.
16438 <i>E 4452.08</i>	---S. head.	38° 37.2' N 24° 07.6' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	6	Metal framework, gallery, metal column, green band; 18.	
16441 <i>E 4452.3</i>	-Ag. Grigorios, Khillis harbor.	38° 39.9' N 24° 07.8' E	Fl.W. period 2s fl. 0.3s, ec. 1.7s	30 9	5	White metal framework.	
16442 <i>E 4453.2</i>	Akra Sarakiniko.	38° 46.1' N 23° 42.2' E	Fl.W. period 8s fl. 1s, ec. 7s	85 26	8	Metal framework tower.	
NISOI VORIAI SPORADHES:							
16443 <i>E 4453.9</i>	-Akhili Marina, N. mole, head.	38° 52.1' N 24° 34.2' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework, gallery, metal column, green band.	
16443.1 <i>4 4 53.91</i>	--S. mole, head.	38° 52.0' N 24° 34.2' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework, gallery, metal column, red band.	
16444 <i>E 4454</i>	-Akra Lithari.	38° 46.5' N 24° 40.8' E	Fl.(3)W. period 30s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 19.9s	315 96	16	Round tower, dwelling; 40.	Visible 189°-067°.
16445 <i>E 4454.1</i>	-Treis Boukes.	38° 45.7' N 24° 37.1' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	26 8	6	Metal framework tower, green band.	Visible 140°-313°.
16446 <i>E 4454.2</i>	-Sarakinio Island.	38° 45.4' N 24° 37.5' E	Fl.W. period 4s fl. 0.4s, ec. 3.6s	203 62	7	Metal framework.	Visible 140°-313°.
16447 <i>E 4454.5</i>	-Marmara Point.	38° 45.6' N 24° 34.1' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 6.5s	26 8	7	Metal framework.	
16448 <i>E 4455</i>	--Akra Latomion.	38° 48.0' N 24° 29.0' E	Fl.W. period 3.3s fl. 0.3s, ec. 3s	59 18	5	White iron tower, red band.	
16452 <i>E 4455.3</i>	--Ormos Linaria.	38° 50.0' N 24° 32.0' E	Fl.W.R.G. period 2.5s fl. 0.3s, ec. 2.2s	23 7	W. R. G. 4 4	Round hut with metal framework.	R. 353°-021°, W.-120°, G.-300°, obs.-353°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE							
16456 <i>E 4455.7</i>	--Podhi, Vrakhonisis Notio.	39° 00.0' N 24° 29.0' E	Fl.W. period 3s fl. 0.4s, ec. 2.6s	233 71	6	White round hut.	
16460 <i>E 4455.5</i>	--Nisis Vorio Podhi.	39° 01.0' N 24° 28.0' E	Fl.W. period 10s fl. 1s, ec. 9s	138 42	6	Metal framework tower on pedestal; 20.	
16464 <i>E 4482</i>	-Nisis Psathoua.	39° 30.3' N 24° 11.1' E	Fl.W. period 10s fl. 0.3s, ec. 9.7s	131 40	17	Round masonry tower, dwelling; 82.	
16468 <i>E 4480</i>	-Nisis Pelerissa, SW. of Nisos Pelagos.	39° 18.7' N 24° 02.2' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	82 25	7	White round hut with metal framework.	Visible 270°-189°.
16468.1 <i>E 4478.6</i>	-Alonnisos, N. end.	39° 16.3' N 23° 56.7' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework, gallery on metal column, red band.	
16469 <i>E 4479</i>	-Nisis Peristera.	39° 10.9' N 23° 56.4' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	33 10	5	White round hut; 11.	
16470 <i>E 4478.52</i>	-Ormos Patitiri, breakwater, head.	39° 08.7' N 23° 52.0' E	Fl.G. period 1.5s fl. 0.3s, ec. 1.2s	26 8	3	White metal framework tower, green band.	
16471 <i>E 4478.5</i>	--Bay, W. side.	39° 09.0' N 23° 52.0' E	Fl.R. period 1.5s fl. 0.3s, ec. 1.2s	33 10	3	White metal framework tower, red band.	
16472 <i>E 4478</i>	-Akra Telion, Alonnisos, SW. point.	39° 08.5' N 23° 49.8' E	Fl.(3)W. period 12s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 7.2s	69 21	12	White lantern house; 13.	Visible 293°-171°.
16476 <i>E 4476</i>	-Nisis Mikro.	39° 08.6' N 23° 48.6' E	Fl.W. period 4s fl. 0.4s, ec. 3.6s	69 21	6	White lantern house; 13.	Visible 076°-031°.
16477 <i>E 4475.2</i>	-Agnonta Bay, W. side.	39° 05.0' N 23° 42.3' E	Fl.R. period 2s fl. 0.2s, ec. 1.8s	23 7	3	White framework tower with gallery, red band.	
16478 <i>E 4475.22</i>	--E. side.	39° 04.9' N 23° 42.5' E	Fl.G. period 2s fl. 0.2s, ec. 1.8s	33 10	3	White hexagonal hut with column and gallery, green band; 29.	
-Nisos Skopelos:							
16480 <i>E 4474</i>	--Akra Gourouni.	39° 12.0' N 23° 35.0' E	Fl.(3)W. period 30s fl. 1.5s, ec. 3s fl. 1.5s, ec. 3s fl. 1.5s, ec. 19.5s	229 70	20	Square masonry tower, dwelling; 47.	Visible 029°-244°.
16484 <i>E 4475</i>	--Glossa, N. mole, head.	39° 09.8' N 23° 36.8' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	20 6	3	Metal framework; 14.	
16484.5 <i>E 4475.1</i>	---S. mole, head.	39° 09.8' N 23° 36.9' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	20 6	3	Metal framework, gallery, metal column; 11.	
16486 <i>E 4475.15</i>	--Neo Klima, W. mole, head.	39° 08.2' N 23° 38.6' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework, gallery, metal column, red band.	
16486.5 <i>E 4475.16</i>	---E. mole, head.	39° 08.3' N 23° 38.6' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework, gallery, metal column, green band.	
16492 <i>E 4475.4</i>	---N. breakwater.	39° 07.5' N 23° 44.1' E	Fl.G. period 2s	23 7	6	Metal framework, gallery and metal column, green band.	
16496 <i>E 4472</i>	-Dhiavlos Skopelou, Nisis Repon.	39° 08.8' N 23° 31.7' E	Fl.(2)W.R. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	131 40	W. 12 R. 8	Round tower, dwelling; 43.	W. 183°-261°, R.-313°, W.-020°, obsc.-183°. Reserve light F.W.R.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE							
16500 <i>E 4466</i>	-Nisos Skiathos, Prasoniso.	39° 08.3' N 23° 28.2' E	Fl.W. period 6s fl. 0.5s, ec. 5.5s	43 13	6	Metal framework; 23.	
16504 <i>E 4468</i>	--Dhaskalonisi.	39° 09.7' N 23° 29.7' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	33 10	5	Metal framework tower; 15.	
16505 <i>E 4467</i>	--Mole, head.	39° 09.7' N 23° 29.6' E	Fl.R. period 1.5s fl. 0.3s, ec. 1.2s	23 7	3	White metal framework tower with gallery and red band; 20.	
NISOS EUVOIA:							
16508 <i>E 4453.5</i>	-Mandoudi, loading pier, head.	38° 49.5' N 23° 31.6' E	2 F.R. (horiz.)	118 36	3	White metal mast.	Private light.
16512 <i>E 4456</i>	-Levkonisia.	38° 57.0' N 23° 27.0' E	Fl.(3)W. period 15s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 10.2s	69 21	10	Metal framework tower, on hut.	Visible 138°-018°.
16516 <i>E 4458</i>	-Akra Artemision.	39° 03.0' N 23° 20.2' E	Fl.(2)W.R. period 15s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 9.9s	203 62	W. 15 R. 12	White round masonry tower dwelling; 62.	W. 077°-178°, obsc.-187°, W.-194°, R.-234°, W.- 317° obsc.-077°.
DHIAVLOS SKIATHOU:							
16520 <i>E 4464</i>	-Akra Sippias.	39° 11.0' N 23° 21.0' E	L.Fl.W. period 10s fl. 2s, ec. 8s	344 105	10	Beacon.	Visible 161°-032°.
16524 <i>E 4462</i>	-Ifalos Levkari.	39° 08.4' N 23° 20.6' E	Fl.(2)W. period 8s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	36 11	9	ISOLATED DANGER BRB, beacon, topmark; 39.	
16526 <i>E 4461</i>	Ormos Plantanias.	39° 08.4' N 23° 16.5' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	30 9	3	Metal framework with gallery, metal column, green band.	
PAGASITIKOS KOLPOS:							
16528 <i>E 4442</i>	-Akra Kavoulia.	39° 06.0' N 23° 03.0' E	L.Fl.(3)W. period 20s fl. 2s, ec. 3s fl. 2s, ec. 3s fl. 2s, ec. 8s	72 22	20	Square tower and dwelling; 46.	
16529 <i>E 4443</i>	-Ormos Sourpis, Myloi, pier, head.	39° 09.9' N 22° 52.1' E	Fl.R. period 4s fl. 0.6s, ec. 3.4s	23 7	3	Metal framework with gallery, metal column, red band; 16.	
16530 <i>E 4444</i>	-Ormos Sourpis, pier, head.	39° 10.0' N 22° 51.0' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	5	White metal framework tower, green band.	
16532 <i>E 4445.5</i>	-Mamidhakis, pier, head.	39° 17.5' N 22° 52.8' E	2 F.R. (vert.)	16 5	3	White metal column, red band; 16.	1 meter apart. Private light.
16536 <i>E 4445.7</i>	-Iraklis Volou, W. of pier, head.	39° 18.0' N 22° 56.0' E	2 F.R. (vert.)	26 8	3	White metal column, red band; 19.	1 meter apart.
16540 <i>E 4445.75</i>	--E. of pier, head.	39° 17.8' N 22° 56.3' E	2 F.R. (vert.)	26 8	3	White metal column, red band; 19.	1 meter apart. Private light.
-Kolpos Volos:							
16544 <i>E 4446</i>	--Akra Sesklo.	39° 20.6' N 22° 56.6' E	Fl.W. period 1.5s fl. 0.3s, ec. 1.2s	69 21	7	White square hut, metal framework; 26.	
16548 <i>E 4449</i>	-Limin Volou, oil installation pier, head.	39° 21.0' N 22° 59.3' E	3 F.G. (vert.)	30 9	3	White metal column, green band; 22.	1 meter apart. Private light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE							
16552 <i>E 4449.4</i>	--Tsimenta, pier, head.	39° 21.0' N 22° 59.0' E	Fl.(2)W. period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	59 18	12	White hexagonal hut, column and gallery; 26.	
16554 <i>E 4448</i>	-Anavros River.	39° 22.0' N 22° 57.9' E	Fl.Y. period 2s fl. 0.3s, ec. 1.7s	23 7	4	White metal framework; 18.	
16556 <i>E 4447</i>	--Limin Volou, breakwater, head.	39° 21.0' N 22° 57.0' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	27 8	4	Metal framework on round hut, green band; 20.	
16557 <i>E 4447.1</i>	--Detached breakwater, NE. head.	39° 20.9' N 22° 56.7' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	7	Metal framework tower with gallery, red band.	
16558 <i>E 4485</i>	Ioannis, E. mole, head.	39° 25.3' N 23° 09.7' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	39 12	3	Metal column, green band.	
16559 <i>E 4485.1</i>	-W. mole, head.	39° 25.1' N 23° 09.6' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	33 10	3	Metal framework, gallery, metal column, red band.	
16560 <i>E 4489</i>	-Akra Dhermatas.	39° 47.8' N 22° 50.9' E	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	246 75	11	White metal framework with gallery.	Visible 131°-345°.
THERMAIKOS KOLPOS:							
16564 <i>E 4492</i>	-Stomion, Tsayezi, reef.	39° 52.1' N 22° 44.3' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	26 8	5	Metal column on round hut.	
16565 <i>E 4492.2</i>	--S. mole, head.	39° 51.1' N 22° 44.1' E	Fl.G. period 2s fl. 0.2s, ec. 1.8s	23 7	3	Metal framework with gallery and metal column with green band.	
16565.5 <i>E 4492.3</i>	---N. mole, head.	39° 51.2' N 22° 44.1' E	Fl.R. period 2s fl. 0.2s, ec. 1.8s	23 7	3	Metal framework with gallery and metal column with red band.	
16568 <i>E 4494</i>	-Akra Epanomi.	40° 22.6' N 22° 53.5' E	Fl.(3)W. period 18s fl. 0.3s, ec. 1.3s fl. 0.3s, ec. 1.3s fl. 0.3s, ec. 14.5s	36 11	12	Metal framework; 29.	
16572 <i>E 4496</i>	-Akra Akheradha.	40° 21.8' N 22° 39.7' E	Fl.W. period 5s fl. 1s, ec. 4s	39 12	10	Metal framework with gallery on pyramid; 29.	
16576 <i>E 4498</i>	-Akra Megalo Emvolon.	40° 30.1' N 22° 49.1' E	Fl.W. period 10s fl. 0.2s, ec. 9.8s	102 31	15	Round stone tower and dwelling; 36.	
16580 <i>E 4496.5</i>	--Nea Mikhania, pier, head.	40° 28.2' N 22° 50.8' E	F.G.	20 6	3	White metal column, green band; 16.	
16580.5 <i>E 4496.57</i>	---Ichthyoskala, N. mole, head.	40° 27.6' N 22° 51.5' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework, gallery, metal column, red band.	
16580.6 <i>E 4496.58</i>	----S. mole, head.	40° 27.5' N 22° 51.5' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework, gallery, metal column, green band.	
16581 <i>E 4496.6</i>	---W. breakwater, head.	40° 27.8' N 22° 51.2' E	Fl.G. period 2s fl. 0.2s, ec. 1.8s	33 10	3	Framework tower with gallery; 30.	
16581.5 <i>E 4496.7</i>	----E. breakwater, head.	40° 27.8' N 22° 51.3' E	Fl.R. period 2s fl. 0.2s, ec. 1.8s	33 10	3	Framework tower with gallery; 23.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE							
16584 <i>E 4497</i>	-Nisis Axios (Kavoura).	40° 30.6' N 22° 44.9' E	Fl.(2)W. period 15s fl. 0.2s, ec. 4.8s fl. 0.2s, ec. 9.8s	26 8	16	White metal framework tower on building.	
	-RACON		X(- • • -)		7		
16588 <i>E 4500</i>	-AVIATION LIGHT.	40° 31.4' N 22° 58.6' E	Al.W.G. period 6s	33 10	13	Control tower.	
16592 <i>E 4501</i>	-Mooring island.	40° 32.3' N 22° 57.9' E	F.R.	13 4	3	Metal column on platform on piles.	F.Y. mark overhead cable.
16596 <i>E 4502</i>	-Akra Mikro Emvolon.	40° 35.0' N 22° 56.0' E	Fl.(3)G. period 15s fl. 0.9s, ec. 1.4s fl. 0.9s, ec. 1.4s fl. 0.9s, ec. 9.5s	52 16	5	Metal framework on white square hut, green band; 20.	
16597	-Akra Mikro Lighted Buoy.	40° 35.0' N 22° 55.4' E	Q.G.			STARBOARD (A) G, pillar.	
	-RACON		T(-)				
16598 <i>E 4502.41</i>	--Outer pier, head.	40° 34.6' N 22° 56.3' E	F.W.				
16599 <i>E 4502.7</i>	--Scout's jetty.	40° 34.7' N 22° 56.3' E	F.G.	13 4	3	White metal column with green band; 20.	
16600 <i>E 4502.3</i>	--W. breakwater, head.	40° 34.4' N 22° 56.7' E	Fl.G. period 2s fl. 0.5s, ec. 1.5s	26 8	5	White hexagonal hut with column and gallery, green band; 23.	
16604 <i>E 4502.4</i>	--E. breakwater, head.	40° 34.2' N 22° 56.9' E	Fl.R. period 2s fl. 0.5s, ec. 1.5s	29 9	5	White hexagonal hut with column and gallery, red band; 26.	
16608 <i>E 4503</i>	-Ormos Thessalonikis, 050°.	40° 36.5' N 22° 57.0' E	Fl.(3)W. period 20s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 13.3s	30 9	19	White metal framework tower on building.	
	-RACON		A(• -)		7		
16612 <i>E 4503.2</i>	--Off Yacht Club.	40° 36.5' N 22° 57.0' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	20 6	4	Metal framework tower on pedestal, red band; 16.	
16616 <i>E 4503.7</i>	--Root of pipeline.	40° 37.5' N 22° 56.9' E	2 F.Y. (vert.)	26 8	4	White metal framework; 23.	
16620 <i>E 4506</i>	--Breakwater, SE. head.	40° 37.7' N 22° 56.0' E	Fl.R. period 4s fl. 1.6s, ec. 2.4s	39 12	7	White concrete column with gallery, red band; 30.	
16624 <i>E 4505</i>	---W. head.	40° 37.9' N 22° 55.4' E	Fl.G. period 4s fl. 1.6s, ec. 2.4s	43 13	7	White concrete column with gallery, green band; 36.	
16628 <i>E 4504</i>	--Pier "I", harbor office building, SW. corner.	40° 37.8' N 22° 56.2' E	Fl.G. period 4s fl. 1.5s, ec. 2.5s	62 19	10	White metal framework tower green band, on building; 52.	Traffic Signals.
16636 <i>E 4509</i>	--Oil terminal, pier, head.	40° 38.2' N 22° 53.8' E	Fl.(3)W. period 12s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 7s	33 10	10	White hexagonal hut with column and gallery; 26.	
16640 <i>E 4488</i>	-Akra Kassandra.	39° 58.0' N 23° 23.0' E	Fl.(2)W. period 15s fl. 0.4s, ec. 3.4s fl. 0.4s, ec. 10.8s	62 19	24	Octagonal dwelling; 47.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE							
KOLPOS KASSANDRAS:							
16644 <i>E 4511</i>	-Akra Paliourian, W. entrance, point.	39° 55.0' N 23° 45.0' E	Fl.W. period 4s fl. 0.5s, ec. 3.5s	66 20	7	White square hut, metal framework structure; 16.	
16646	-Pallini.	40° 03.7' N 23° 27.9' E	F.R.	20 6	3	White metal column, red band.	
-Limin Koufo:							
16648 <i>E 4512</i>	--Akra Pagona.	39° 57.5' N 23° 55.0' E	Fl.G. period 3s fl. 0.4s, ec. 2.6s	43 13	5	White square hut, tower, green band; 21.	
16652 <i>E 4512.5</i>	--- Spilia.	39° 57.8' N 23° 55.2' E	Fl.R. period 3s fl. 0.4s, ec. 2.6s	52 16	4	White square hut, tower, red band; 20.	
16656 <i>E 4516</i>	-Skaha Gerakini, pier, head.	40° 16.1' N 23° 26.6' E	2 F.R. (vert.)	26 8	3	White metal column.	1 meter apart. Private.
16660 <i>E 4513</i>	-Akra Papadhia.	40° 00.0' N 23° 49.0' E	Fl.W.R. period 3s fl. 0.3s, ec. 2.7s	29 9	W. R. 5 3	Metal framework on round hut.	W. 269°-138°, R.-168°.
16664 <i>E 4515</i>	-Neos Marmaras.	40° 05.0' N 23° 47.0' E	Fl.R. period 1.5s fl. 0.2s, ec. 1.3s	36 11	3	Metal square hut with tower.	
SINGITIKOS KOLPOS:							
16668 <i>E 4520</i>	-Akra (Dhrepanon), Psevdhokavos.	39° 56.9' N 23° 59.5' E	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	171 52	10	White metal framework tower on pedestal.	
16670	-Sykia, pier, head.	40° 02.2' N 23° 59.8' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework with gallery and column.	
16672 <i>E 4522</i>	-Ormos Sikias, Akra Adholo.	40° 02.3' N 24° 00.8' E	Fl.W. period 1.5s fl. 0.2s, ec. 1.3s	36 11	4	White square hut with two pillars.	Visible 161°-291°. Visible inside the bay from 090°.
16676 <i>E 4523</i>	-Ormos Dhimitri.	40° 14.0' N 23° 46.0' E	Fl.G. period 1.5s fl. 0.2s, ec. 1.3s	34 10	3	Metal framework tower on pedestal, green band.	Visible 115°-038°.
16680 <i>E 4523.4</i>	-Ormos Pyrgadikia.	40° 20.1' N 23° 43.2' E	Q.R.	20 6	3	Metal framework on white round hut, red band; 19.	
16682 <i>E 4523.9</i>	-Ammoyliani, mole, head.	40° 20.2' N 23° 55.3' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework with gallery and column.	
16684 <i>E 4524</i>	-Nisoi Dhrenia.	40° 19.1' N 23° 57.8' E	Fl.W.R. period 2.5s fl. 0.3s, ec. 2.2s	36 11	W. R. 4 3	Metal framework on white round hut; 18.	W. 103°-323°, R.-103°.
16685 <i>E 4525</i>	-Limenas Ouranoupolis, mole, head.	40° 19.6' N 23° 58.7' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	23 7	3	Metal framework with gallery, green band.	
16688 <i>E 4526</i>	-Dhafni.	40° 13.0' N 24° 13.3' E	Fl.W. period 2.5s fl. 0.3s, ec. 2.2s	56 17	5	Metal framework on white round hut; 16.	
16692	-Akra Pinnes.	40° 07.0' N 24° 18.0' E	Fl.(3)W. period 15s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 11.7s	85 26	9	Metal framework on square hut.	Visible 284°-140°.
16696	Akra Akraathos.	40° 09.0' N 24° 24.0' E	L.Fl.W. period 10s fl. 2s, ec. 8s	154 47	11	Metal framework with gallery on square hut.	Visible 177°-045°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE							
16697 <i>E 4525.5</i>	Ormos Vatopedhiou, Monastery, mole, head.	40° 19.0' N 24° 12.7' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	White metal framework, gallery and red band; 16.	
16698 <i>E 4525.3</i>	Athos Peninsula, Esfigmenos Monastery, mole, head.	40° 21.3' N 24° 08.3' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	3	White metal framework, gallery and green band; 16.	
16698.1 <i>E 4525.4</i>	--Jetty, head.	40° 21.3' N 24° 08.3' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	White metal framework, gallery and red band; 16.	
16700 <i>E 4533</i>	Ormos Plati, NW. point.	40° 26.3' N 23° 59.7' E	Q.W.	72 22	4	Metal framework; 13.	
16704 <i>E 4532</i>	Nisidhes Stilaria, Akra Arapis.	40° 27.4' N 24° 00.5' E	Fl.W. period 2.5s fl. 0.2s, ec. 2.3s	98 30	6	Metal framework; 10.	Visible 049°-307°.
16706 <i>E 4533.6</i>	Limenas Neon Rodhon.	40° 23.0' N 23° 56.0' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	30 9	3	Metal framework with gallery, red band.	
16707 <i>E 4533.7</i>	Ierissos, E. mole, head.	40° 23.8' N 23° 53.5' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework, gallery, red band.	
16707.5 <i>E 4533.8</i>	-W. mole, head.	40° 23.8' N 23° 53.5' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework, gallery, green band; 17.	
16708 <i>E 4534</i>	Ormos Straton, E. mole.	40° 31.0' N 23° 50.0' E	Fl.R.	76 23	5	Round stone column; 16.	
16710 <i>E 4535</i>	Olimbias.	40° 35.5' N 23° 47.4' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework with gallery and red column.	
16712 <i>E 4536</i>	Nisis Kavkanas, E. head.	40° 37.0' N 23° 48.0' E	Fl.(3)W. period 18s fl. 0.3s, ec. 1.3s fl. 0.3s, ec. 1.3s fl. 0.3s, ec. 14.5s	75 23	6	Metal framework on square hut.	Visible 126°-086°.
16716 <i>E 4537</i>	Ormos Stavros, mole, head.	40° 40.1' N 23° 42.1' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal column with gallery on metal framework, red band.	
16720 <i>E 4538</i>	Ormos Elevrheron, N. side.	40° 50.6' N 24° 19.6' E	Fl.W. period 3s fl. 0.4s, ec. 2.6s	66 20	5	Metal square hut with tower.	
16728 <i>E 4539.5</i>	Nea Iraklitsa, E. mole, head.	40° 52.1' N 24° 19.1' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework, gallery, red band.	
16732 <i>E 4539.6</i>	-W. mole, head.	40° 52.0' N 24° 19.0' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework, gallery, green band.	
LIMIN KAVALAS:							
16736 <i>E 4540</i>	-Akra Kara Orman.	40° 55.8' N 24° 24.8' E	Fl.W. period 5s fl. 0.1s, ec. 4.9s	108 33	15	Round hut.	
16740 <i>E 4541</i>	-S. breakwater, head.	40° 55.9' N 24° 24.3' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	36 11	4	White hexagonal hut with column, green band; 24.	
16744 <i>E 4542</i>	-N. breakwater, head.	40° 56.1' N 24° 24.4' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	36 11	4	White hexagonal hut with column, red band; 31.	
16748 <i>E 4544</i>	-W. breakwater, head.	40° 55.7' N 24° 23.7' E	Fl.(2)R. period 8s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	36 11	7	Column with gallery on white hexagonal hut, red band; 23.	Visible 044°-005°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE							
16749 <i>E 4544.6</i>	Ormos Perigiali, S. mole, head.	40° 56.5' N 24° 25.6' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework with gallery, red band; 18.	
16749.5 <i>E 4544.4</i>	-N. mole, head.	40° 56.5' N 24° 25.6' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework with gallery, green band; 18.	
16750 <i>E 4544.8</i>	Akra Spathi.	40° 56.6' N 24° 28.4' E	Fl.R. period 4s fl. 0.3s, ec. 3.7s	52 16	3	White hexagonal hut with column and gallery, red band; 31.	
16752 <i>E 4545</i>	Nea Karvali, breakwater.	40° 57.0' N 24° 28.9' E	Fl.G. period 4s fl. 1s, ec. 3s	43 13	7	Metal framework with gallery, metal column, green band.	
16756 <i>E 4545.3</i>	-Nea Karrali, pier, head.	40° 57.3' N 24° 32.5' E	3 F.R.	33 10	3	White metal framework tower on round hut, red band; 30.	Lights form inverted "L".
16760 <i>E 4546</i>	Akra Ammodhis.	40° 51.6' N 24° 37.8' E	Fl.(2)W. period 10s fl. 0.3s, ec. 1.4s fl. 0.3s, ec. 8s	30 9	7	Metal framework on white square hut; 22.	Visible 265°-134°.
ORMOS KERAMOTIS:							
16764 <i>E 4546.3</i>	-Akra Keramotis.	40° 51.4' N 24° 41.3' E	Fl.W.R. period 4s fl. 0.4s, ec. 3.6s	20 6	W. R. 6 4	Concrete pyramid; 10.	W. 095°-081°, R.-095°.
16768 <i>E 4546.6</i>	-Pier, head.	40° 51.5' N 24° 42.2' E	Q.R.G.	23 7	2	Metal column on pedestal.	R. 107°-151°, G.-107°.
16772 <i>E 4548</i>	Nisis Thasopoula.	40° 49.5' N 24° 43.0' E	Fl.W.R. period 4.5s fl. 0.3s, ec. 4.2s	85 26	W. R. 6 4	Metal framework tower on pedestal.	R. 237°-260°, W.-102°, obs.-237°.
NISOS THASOS:							
16776 <i>E 4547.8</i>	-Thasos, W. breakwater, head.	40° 47.0' N 24° 42.7' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	26 8	4	Column on white hexagonal hut, green band; 24.	
16780 <i>E 4547.9</i>	--E. breakwater, head.	40° 46.9' N 24° 42.7' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	26 8	4	Column on white hexagonal hut, red band; 24.	
16782 <i>E 4546.8</i>	-Rachoni, fishing harbor, mole, head.	40° 47.0' N 24° 36.8' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework, gallery, green band.	
16782.5 <i>E 4546.9</i>	--Pier, head.	40° 47.0' N 24° 36.8' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal column with gallery on metal framework, red band.	
16784 <i>E 4547</i>	-Akra Prinos.	40° 45.8' N 24° 33.9' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	16 5	7	Metal framework tower; 13.	
16785 <i>E 4547.1</i>	-Sotiras, S. mole, head.	40° 43.8' N 24° 32.8' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework, gallery, metal column, green band.	
16785.5 <i>E 4547.15</i>	--N. mole, head.	40° 43.8' N 24° 32.8' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework, gallery, metal column, red band.	
16786 <i>E 4547.2</i>	-Kallirachi, S. mole, head.	40° 42.7' N 24° 31.9' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework, gallery, metal column, green band.	
16786.5 <i>E 4547.25</i>	--N. mole, head.	40° 42.7' N 24° 31.9' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework, gallery, metal column, red band.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE							
16788 <i>E 4547.5</i>	-Akra Achpas.	40° 38.3' N 24° 30.7' E	Fl.(2)W. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	46 14	7	Metal framework; 13.	
16789 <i>E 4547.4</i>	--Mole, head.	40° 38.7' N 24° 30.8' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal column with gallery on metal framework, green band.	
16790 <i>E 4547.6</i>	-Limenaria, mole, head.	40° 37.5' N 24° 34.5' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	36 11	3	Metal framework with gallery; 20.	
16792 <i>E 4547.7</i>	-Akra Stavros Babouras.	40° 36.0' N 24° 46.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	112 34	7	Round hut.	Visible 200°-126°.
16793 <i>E 4549.2</i>	Akra Baloustra, fishing harbor, E. breakwater, head.	40° 56.0' N 24° 58.0' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	20 6	3	White metal framework, green band.	
16794 <i>E 4549.22</i>	-W. breakwater, head.	40° 56.0' N 24° 58.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	20 6	3	White metal framework, red band.	
ORMOS VISTONIAS:							
16796 <i>E 4550</i>	-Akra Fanari.	40° 57.5' N 25° 07.8' E	Fl.W. period 8s fl. 1.5s, ec. 6.5s	131 40	6	Metal framework on water tower; 16.	
16800 <i>E 4550.5</i>	-Fanarion, S. breakwater, head.	40° 57.9' N 25° 07.4' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	23 7	3	White metal framework tower with gallery, green band; 16.	
16808 <i>E 4551</i>	-Lagos Entrance Range, front.	41° 00.4' N 25° 07.6' E	F.Y.	16 5	3	Metal column, yellow triangular daymark, point up.	
16812 <i>E 4551.1</i>	---Rear, 180 meters 023°30' from front.	41° 00.6' N 25° 07.7' E	F.Y.	23 7	3	Metal column, yellow triangular daymark, point down	
16816 <i>E 4552</i>	--Outer E. side.	40° 59.4' N 25° 07.4' E	Fl.G. period 1.5s	13 4	3	White round hut on pedestal, green band; 13.	
16820 <i>E 4552.2</i>	--Outer W. side.	40° 59.4' N 25° 07.3' E	Fl.R. period 1.5s	13 4	3	White round hut on pedestal, red band; 7.	
16824 <i>E 4552.5</i>	--Inner E. side.	41° 00.1' N 25° 07.6' E	Fl.G. period 1.5s fl. 0.2s, ec. 1.3s	13 4	3	Metal column on pedestal, green band.	
16828 <i>E 4552.6</i>	--Inner W. side.	41° 00.2' N 25° 07.5' E	Fl.R. period 1.5s fl. 0.2s, ec. 1.3s	10 3	3	Metal column on pedestal, red band.	
16830 <i>E 4550.9</i>	Imeros, N. breakwater.	40° 56.0' N 25° 21.5' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	30 9	3	Metal framework with gallery, metal column, green band.	
16830.1 <i>E 4550.8</i>	-W. mole, head.	40° 56.0' N 25° 21.5' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	23 7	3	Metal framework with gallery, green band.	Fl.R. 2s 7m 3M marks inner E. mole.
16832 <i>E 4552.8</i>	Ayios Kharalambos, mole, head.	40° 52.6' N 25° 30.4' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	33 10	3	White metal framework tower, green band; 13.	
16834 <i>E 4553</i>	Limeniskos Makris, W. mole, head.	40° 50.8' N 25° 45.1' E	Fl.R. period 4s fl. 0.6s, ec. 3.4s	23 7	3	Metal column with gallery on metal framework, red band.	
16835 <i>E 4553.2</i>	-E. mole, head.	40° 50.8' N 25° 45.1' E	Fl.G. period 4s fl. 0.6s, ec. 3.4s	23 7	3	Metal column with gallery on metal framework, green band.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE							
16836 <i>E 4554</i>	Alexandroupolis.	40° 51.0' N 25° 53.0' E	Fl.(3)W. period 15s fl. 0.4s, ec. 2.1s fl. 0.4s, ec. 2.1s fl. 0.4s, ec. 9.6s	102 31	24	Round tower on house; 88.	
16840 <i>E 4555.2</i>	-N. breakwater, head.	40° 50.5' N 25° 53.1' E	Fl.G. period 3s fl. 0.4s, ec. 2.6s	30 9	3	Column on white hexagonal hut, green band; 23.	<i>Temporarily extinguished (2000).</i> Q.G. 0.8 mile ESE. marks end of breakwater under construction.
16844 <i>E 4555</i>	--S. breakwater.	40° 50.0' N 25° 53.9' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	33 10	6	Metal framework with gallery, red band.	
NISOS SAMOTHRAKI:							
16846 <i>E 4555.9</i>	-Limenisko Therma, N. mole, head.	40° 30.3' N 25° 36.1' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework, gallery and column, red band; 20.	
16848 <i>E 4556</i>	-Akra Akrotiri.	40° 28.5' N 25° 26.7' E	Fl.W. period 5s	39 12	10	Metal framework, gallery and column; 46.	Visible 326°-242°.
16852 <i>E 4556.4</i>	-Ormos Kamariotissa, breakwater, head.	40° 29.0' N 25° 28.0' E	Fl.R. period 3s fl. 0.4s, ec. 2.6s	16 5	3	Column on concrete hexagonal hut, red band; 10.	
16856 <i>E 4564</i>	-Bati Burnu.	39° 50.0' N 25° 58.0' E	Fl.(2)W. period 15s fl. 1s, ec. 3s fl. 1s, ec. 10s	105 32	15	White masonry tower; 66.	
16860 <i>E 4556.8</i>	-Zourafa Islet.	40° 28.0' N 25° 50.0' E	Fl.(2)W. period 10s	30 9	8	ISOLATED DANGER BRB, tower, topmark; 26.	

Section 12

Northeastern Aegean Sea, Sea of Marmara, Bulgaria, Romania and Ukraine Including Dardanelles and Bosphorus

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE-TURKEY							
BOZCA ADA (T.):							
16864 <i>E 4568</i>	-Mermer Burnu.	39° 48.0' N 26° 04.8' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	115 35	10	White masonry tower; 30.	
16868 <i>E 4566</i>	-Bozcaada, breakwater, entrance, S. side, head..	39° 50.1' N 26° 04.5' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	39 12	3	White metal tripod; 33.	
16872 <i>E 4566.5</i>	--Entrance, N. side, breakwater, head.	39° 50.2' N 26° 04.6' E	Fl.G. period 3s fl., ec. 2.7s	23 7	3	Concrete tower; 20.	
16876 <i>E 4565</i>	-Esek Adalari, about 4.4 km. N. of Mermer Burnu.	39° 50.6' N 26° 05.5' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	33 10	8	Concrete tower; 16.	
16884 <i>E 4560</i>	-Tavsan Adasi (T).	39° 56.2' N 26° 03.5' E	Fl.W.R. period 5s fl. 0.5s, ec. 4.5s	148 45	W. 14 R. 10	White metal pylon and dwelling; 29.	R. 037°-052°, W.-037°. Reserve light range W8M, R5M.
NISOS LIMNOS (GR.):							
16888 <i>E 4578</i>	-Ormos Moudhrou, Nisis Kombi.	39° 48.0' N 25° 14.0' E	Q.(2)W. period 6s fl. 0.4s, ec. 0.8s fl. 0.4s, ec. 4.4s	200 61	10	Round tower, dwelling.	
16892 <i>E 4580</i>	--Aspros Kavos.	39° 51.0' N 25° 14.2' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	43 13	5	Metal framework on round hut.	
16900 <i>E 4577</i>	-Ormos Kondias, on Akra Lena.	39° 50.8' N 25° 09.8' E	Fl.W. period 3.3s fl. 0.4s, ec. 2.9s	20 6	5	White round hut with metal framework tower; 16.	Visible 040°-243°.
16904 <i>E 4575</i>	-Mirina.	39° 52.0' N 25° 03.0' E	Fl.W. period 6s fl. 1s, ec. 5s	272 83	11	On old masonry structure.	
16908 <i>E 4576.2</i>	--W. breakwater, head.	39° 52.3' N 25° 03.0' E	Q.R.	33 10	3	White octagonal hut, column and gallery, red band; 26.	
16912 <i>E 4576.6</i>	--S. breakwater, head.	39° 52.0' N 25° 03.0' E	Q.G.	33 10	3	White octagonal hut, column and gallery, green band; 26.	
16916 <i>E 4574</i>	-Akra Mourtzeffos.	39° 59.1' N 25° 02.0' E	Fl.(2)W. period 14s fl. 0.6s, ec. 1.4s fl. 0.6s, ec. 11.4s	194 59	13	Metal pyramid with gallery; 10.	
16920 <i>E 4572</i>	- Akra Plaka.	40° 02.1' N 25° 26.8' E	Fl.(3)W. period 30s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 19.9s	181 55	22	White round tower, dwelling attached; 59.	Visible 053°-018°.
			F.R.	118 36	13	Beacon, same tower.	Visible 301°-346°.
NISOS AYIOS EVSTRATOS (GR.):							
16924 <i>E 4585</i>	-Nisis Ay. Apostoloi.	39° 33.8' N 25° 00.1' E	Fl.W.R. period 5s fl. 0.5s, ec. 4.5s	98 30	W. 10 R. 7	Square hut.	W. 039°-294°, R.-312°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE-TURKEY							
16925 <i>E 4584.5</i>	-Evstratios, mole, head.	39° 32.4' N 24° 59.2' E	Fl.R. period 2s fl. 0.2s, ec. 1.8s	26 8	3	Metal framework with gallery and column; 22.	
16928 <i>E 4584</i>	-Akra Tripiti.	39° 27.8' N 24° 58.8' E	Fl.(2)W. period 10s fl. 0.4s, ec. 1.2s fl. 0.4s, ec. 8s	135 41	8	Metal framework on round hut.	Visible 217°-153°.
IMROZ ADASI (T.):							
16932 <i>E 4559.4</i>	-Kalekoy.	40° 14.0' N 25° 54.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	161 49	7	Metal framework tower, concrete base; 30.	
16936 <i>E 4559.7</i>	--S. breakwater, head.	40° 13.9' N 25° 56.9' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	33 10	10	Concrete tower; 20.	
16936.5 <i>E 4559.6</i>	--N. breakwater.	40° 13.8' N 25° 57.4' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	33 10	10	Yellow framework tower; 23.	
16937 <i>E 4559.8</i>	--Inner breakwater.	40° 13.6' N 25° 57.1' E	F.R.	33 10	3	Reinforced concrete tower; 23.	
16940 <i>E 4559</i>	-Aydinçik Burnu.	40° 09.6' N 26° 00.5' E	Fl.(3)W. period 20s fl. 1s, ec. 2.5s fl. 1s, ec. 2.5s fl. 1s, ec. 12s	75 23	12	White iron tower; 10.	
16940.5 <i>E 4559.2</i>	-Ugurlu Iskelesi, breakwater.	40° 07.0' N 25° 42.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	36 11	5	White metal framework tower; 29.	
16941 <i>E 4558.5</i>	-Kabatepe Limani, N. breakwater, head.	40° 12.3' N 26° 15.9' E	Fl.R. period 5s	33 10	6		
16942 <i>E 4558.6</i>	--S. breakwater, head.	40° 12.2' N 26° 16.0' E	Fl.G. period 5s	30 9	6		
SAROS KORFEZI:							
16944 <i>E 4558</i>	-Buyuk Kemikli Burnu.	40° 19.0' N 26° 12.9' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	46 14	10	White metal framework tower; 33.	
16948 <i>E 4557.6</i>	Bakla Burnu, Saros Korfezi.	40° 33.5' N 26° 44.9' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	46 14	12	White metal framework tower; 20.	
TURKEY							
DARDANELLES (CANAKKALE BOGAZI):							
16952 <i>E 4569</i>	-Besige Burnu.	39° 54.9' N 26° 09.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	82 25	15	Metal pylon.	
16954 <i>E 4568.2</i>	-Odunluk Iskele, jetty.	39° 47.0' N 26° 09.5' E	Fl.R. period 5s	26 8	5	Metal framework tower; 23.	
16956 <i>E 4850</i>	-Mehmetcik Burnu.	40° 02.6' N 26° 10.5' E	Fl.W.R. period 5s fl. 0.5s, ec. 4.5s	164 50	W. 19 R. 12	White masonry tower; 82.	R. 350°-010°, W.-350°. Radar reflector.
-RACON C(— • — •)							
16960 <i>E 4852.4</i>	-Seddulbahir, entrance, N. side.	40° 02.5' N 26° 11.4' E	Fl.G. period 3s	16 5	5	Framework tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY							
16964 <i>E 4852.8</i>	--Entrance, S. side.	40° 02.5' N 26° 11.4' E	Fl.R. period 3s fl. 1s, ec. 2s	16 5	5	Framework tower.	
16968 <i>E 4852.3</i>	--Seddulbahir.	40° 02.5' N 26° 11.5' E	Fl.W. period 3s	20 6	5	Concrete tower; 13.	
16972 <i>E 4852.6</i>	--N. mole.	40° 02.6' N 26° 11.6' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	20 6	9	Concrete column; 13.	
16976 <i>E 4852</i>	-Anit (Morto) Limani.	40° 02.6' N 26° 12.1' E	Fl.(4)R. period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 8.5s	16 5	5	White concrete tower; 16.	Radar reflector.
16980 <i>E 4848</i>	-Kumkale Burnu, entrance, S. side.	40° 00.4' N 26° 11.9' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	46 14	18	White metal tower; 20.	
16984 <i>E 4853</i>	-Karanfil Burnu.	40° 06.3' N 26° 19.6' E	Fl.(2)R. period 12s fl. 1s, ec. 2s fl. 1s, ec. 8s	46 14	10	White metal tower; 43.	
16988 <i>E 4854</i>	-Kanlidere Burnu.	40° 05.7' N 26° 21.9' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	33 10	10	White metal tower and dwelling; 33.	
16989 <i>E 4854.5</i>	-Kepez Burnu, jetty, head.	40° 06.4' N 26° 22.6' E	Fl.R. period 5s fl. 1s, ec. 4s				
16990 <i>E 4855</i>	-Sarisiglar.	40° 08.1' N 26° 23.8' E	V.Q.(9)W. period 10s	30 9	9	W. CARDINAL YBY, beacon, topmark; 26.	
16992 <i>E 4856</i>	-Kilitbahir.	40° 08.6' N 26° 22.9' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	15	White metal column; 13.	
16996 <i>E 4857</i>	-Canakkale Kalesi (Cimenlik).	40° 08.8' N 26° 23.8' E	Fl.R.G. period 5s	52 16	10	White metal tower; 46.	R. 341°-027°, G.-341°. R. Lts on mast 1.5M NNE.
16997 <i>E 4857.2</i>	Tali Mendirek.	40° 09.0' N 26° 24.0' E	F.G.	23 7	3	Concrete tower; 13.	
16998 <i>E 4857.3</i>	-Yat Limani.	40° 09.2' N 26° 24.3' E	Fl.G. period 3s	20 6	3	Metal pylon; 13.	
17000 <i>E 4862</i>	-Nara Burnu.	40° 11.8' N 26° 24.0' E	Fl.(2)G. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 10	7	White metal tower on concrete base; 30.	F.R. on jetty 600 meters SE.
17004 <i>E 4858</i>	-Eceabat Range, front.	40° 11.2' N 26° 21.1' E	Oc.W. period 2.5s lt. 2s, ec. 0.5s	108 33	6	White framework tower, diamond daymark; 36.	
17008 <i>E 4858.1</i>	--Rear, 132 meters 242° from front.	40° 11.1' N 26° 21.0' E	Q.W.	141 43	6	Framework tower, white diamond daymark; 43.	
17012 <i>E 4859</i>	-Eceabat, S. breakwater, head.	40° 11.1' N 26° 21.8' E	Fl.R. period 5s fl. 1s, ec. 4s	26 8	5	White metal tower; 20.	
17016 <i>E 4859.2</i>	--N. breakwater, head.	40° 11.1' N 26° 21.6' E	Fl.G. period 5s fl. 1s, ec. 4s	26 8	5	White metal tower; 20.	
17020 <i>E 4860</i>	-Poyraz Burnu.	40° 12.1' N 26° 22.6' E	Fl.(2)R. period 5s fl. 0.3s, ec. 1s fl. 0.3s, ec. 3.4s	23 7	10	White masonry tower; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY							
17024 <i>E 4866</i>	-Kavakalti Deresi, shoal, head.	40° 13.3' N 26° 25.4' E	Fl.(3)R. period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	20 6	12	White metal tower; 16.	
17028 <i>E 4868</i>	-Uzun Burnu.	40° 16.1' N 26° 29.5' E	Fl.(2)R. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	36 11	8	White metal tower; 33.	
17032 <i>E 4870</i>	-Gocuk Burnu, strait, E. side.	40° 16.7' N 26° 34.2' E	Fl.W. period 3s fl. 1s, ec. 2s	39 12	10	White concrete tower; 33.	F.R. marks head of jetty 1.3 miles SSW.
17036 <i>E 4872</i>	-Karakova Burnu.	40° 19.2' N 26° 35.2' E	Fl.R. period 6s fl. 0.3s, ec. 5.7s	33 10	10	White metal column; 32.	
17040 <i>E 4874</i>	-Galata Burnu, on shoal.	40° 21.5' N 26° 37.6' E	Fl.(2)R. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	16 5	12	White metal tower; 13.	
17044 <i>E 4876</i>	-Cardak Burnu, on low sandy point.	40° 23.1' N 26° 42.6' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	38 12	7	White metal tower; 36.	
17046 <i>E 4876.5</i>	-Cardak Banki.	40° 23.6' N 26° 42.4' E	V.Q.(9)W. period 10s	26 8	5	W. CARDINAL YBY, beacon, topmark; 16.	
17048 <i>E 4878</i>	-Gelibolu.	40° 24.6' N 26° 41.0' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	111 34	15	White masonry tower; 30.	Siren: 2 bl. ev. 30s.
	-RACON		G(— — •)				
SEA OF MARMARA (MARMARA DENIZI):							
17052 <i>E 4879</i>	-Zincirbozan Banki, Sea of Marmara, W. entrance.	40° 25.3' N 26° 45.3' E	Fl.W. period 10s fl. 1s, ec. 9s	36 11	7	White concrete tower; 34.	Radar reflector.
17054 <i>E 4879.5</i>	-Doganaslan Bank.	40° 29.8' N 26° 51.5' E	Q.(6)+L.Fl.W. period 15s	30 9	7	S. CARDINAL YB, beacon, topmark.	
17056 <i>E 4880</i>	-Ince Burnu.	40° 33.4' N 26° 59.7' E	Fl.(3)W. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	105 32	16	White masonry structure; 34.	
17060 <i>E 4896</i>	-Hoskoy.	40° 42.4' N 27° 18.5' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	164 50	19	White concrete tower; 72.	
17064 <i>E 4896.5</i>	-Tekirdag, on pier.	40° 58.4' N 27° 31.0' E	F.R.		3		F.R. and F.G. lights mark inner mole heads.
17068 <i>E 4897</i>	-Orencik, Venedik Tasi.	40° 57.7' N 27° 53.8' E	Fl.R. period 6s fl. 1s, ec. 5s	30 9	10	White concrete tower on concrete base; 16.	
17072 <i>E 4898</i>	-Marmaraereglisi.	40° 57.9' N 27° 58.2' E	Fl.W. period 10s fl. 0.4s, ec. 9.6s	173 53	16	White masonry tower; 20.	2 Oc.R. (vert.) 16-20M lights shown from radio mast about 7.9 km. W.
17076 <i>E 4899</i>	--On shoal spit, about 0.65 km. 034° from Marmaraereglisi.	40° 58.2' N 27° 57.9' E	Q.(3)W. period 10s fl. 0.3s, ec. 0.7s fl. 0.3s, ec. 0.7s fl. 0.3s, ec. 7.7s	20 6	8	E. CARDINAL BYB, beacon, topmark; 16.	
17078 <i>E 4899.1</i>	-Botas Dogalgaz Terminal.	40° 59.5' N 27° 59.2' E	F.R.				8 F.R. mark terminal jetties.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY							
17080 <i>E 4899.3</i>	-Silivri, center breakwater.	41° 04.3' N 28° 14.3' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	20 6	5	Concrete tower; 16.	
17081 <i>E 4899.4</i>	--Auxiliary breakwater.	41° 04.5' N 28° 14.4' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	20 6	5	Concrete column; 16.	
17092 <i>E 4899.6</i>	-Buyukcekmece Koyu, Degirmen Burnu.	40° 57.7' N 28° 37.3' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	65 20	10	White concrete tower; 26.	
17096 <i>E 4901.7</i>	-Outfall pipe.	40° 58.8' N 28° 45.4' E	Fl.Y. period 5s fl. 1s, ec. 4s	26 8	5	Yellow metal framework tower; 19.	Private light.
17100 <i>E 4901</i>	-Yesilkoy, AVIATION LIGHT.	40° 58.7' N 28° 49.3' E	Al.Fl.W.G. period 7.5s	160 49	10	Control tower; 70.	Occasional.
17104 <i>E 4902</i>	-Yesilkoy Burnu.	40° 57.6' N 28° 50.3' E	Fl.(2)W. period 10s	75 23	15	White masonry tower; 49.	Siren: 1 bl. ev. 30s. Signal station.
17106 <i>E 4903.45</i>	-Yenikapi, breakwater, head.	40° 59.9' N 28° 57.6' E	Fl.(2)R. period 5s	30 9	8	White metal framework tower; 19.	
17108 <i>E 4903.4</i>	-Kumkapi Barinak, pier, head.	41° 00.1' N 28° 58.0' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	33 10	6	Concrete tower.	
17110 <i>E 4880.3</i>	-Adasi, breakwater, head.	40° 27.3' N 27° 08.4' E	Fl.(2)W. period 4s fl. 0.5s, ec. 1s fl. 0.5s, ec. 2s	46 14	5	Metal column; 33.	
17112 <i>E 4880.6</i>	-Ince Burun, W. entrance point.	40° 28.5' N 27° 17.1' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	177 54	10	White concrete tower; 39.	
17116 <i>E 4881.6</i>	--Tavsan Adasi.	40° 22.6' N 27° 47.3' E	Fl.W. period 10s fl. 1s, ec. 9s	181 55	12	White metal framework tower; 19.	
17120 <i>E 4881.7</i>	-Erdek, breakwater, head.	40° 23.2' N 27° 48.3' E	Fl.R. period 5s	26 8	6	White concrete tower; 9.	F.R. on jetty head 350m NW, 500m NNE.
17124	--N. pier, head.	40° 24.0' N 27° 48.0' E	F.R.				
17128	--SW. pier, head.	40° 23.2' N 27° 48.3' E	F.R.				
17132 <i>E 4881</i>	--Kale Burnu.	40° 24.6' N 27° 20.4' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	75 23	8	White metal tripod; 26.	
17134 <i>E 4881.3</i>	-Karabiga, N. breakwater, head.	40° 24.1' N 27° 18.6' E	Fl.G. period 5s fl. 1s, ec. 4s	23 7	5	White concrete tower; 10.	Fl.R. 5s 7m 5M shown from head of S. breakwater.
17136 <i>E 4894</i>	-Hayirsiz Ada, N. summit.	40° 38.7' N 27° 29.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	366 112	12	White metal framework tower and dwelling; 26.	
	--RACON		M(— —)				
	-Marmara Adasi:						
17144 <i>E 4892.4</i>	--Domuz Burnu.	40° 40.1' N 27° 38.0' E	Fl.W. period 10s fl. 1s, ec. 9s	82 25	9	White skeleton tower; 13.	
17148 <i>E 4892.6</i>	--Saraylar, shelter mole, head.	40° 39.5' N 27° 39.7' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	36 11	10	White metal tower; 30.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY							
17152 <i>E 4892</i>	--Asmali (Fener Adasi).	40° 38.0' N 27° 45.7' E	Fl.(3)W. period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 9.5s	131 40	12	White metal framework tower; 29.	
17152.5 <i>E 4892.7</i>	--Cinarli, Adatas (Pacanoz) Rock.	40° 36.6' N 27° 31.5' E	Fl.(2)W. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 8s	30 9	2	ISOLATED DANGER BRB, tower, topmark;10.	
17153 <i>E 4892.8</i>	--Marmara, breakwater, head.	40° 35.0' N 27° 33.6' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	33 10	8	Concrete tower; 26.	
17153.5 <i>E 4892.9</i>	--Mole, head.	40° 35.0' N 27° 33.7' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	33 10	8	Concrete tower; 13.	
17154 <i>E 4893.5</i>	--Balikci Limani.	40° 36.8' N 27° 42.4' E	F.G.	16 5	3	Iron column; 10.	
17156 <i>E 4893</i>	--Ada Burnu.	40° 34.6' N 27° 34.6' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	49 15	5	White metal tower; 20.	
-Pasalimani Adasi:							
17160 <i>E 4882</i>	--Ekinlik, Avsar Adasi, off W. side.	40° 30.9' N 27° 29.0' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	60 18	8	White concrete tower; 33.	
17164 <i>E 4884</i>	--Balyos Burnu, Kapidagi Yarimadasi, W. point.	40° 29.7' N 27° 41.2' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	125 38	10	White metal framework tower on white house; 36.	
17168 <i>E 4885</i>	--Tuzla Burnu, E. point.	40° 27.7' N 27° 40.1' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	72 22	12	White framework tower, concrete base; 23.	
-Bandirma Korfezi:							
17172 <i>E 4890</i>	--Kapsul Burnu.	40° 28.7' N 28° 02.0' E	Fl.(2)R. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	66 20	12	White concrete tower, dwelling; 31.	
17176 <i>E 4888</i>	---W. mole, head.	40° 21.4' N 27° 57.5' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	33 10	6	Stone tower.	
17180 <i>E 4887</i>	--E. breakwater, head.	40° 21.6' N 27° 57.6' E	Fl.R. period 5s fl. 1s, ec. 4s	33 10	10	Concrete tower; 26.	
17184 <i>E 4889</i>	---S. mole, head.	40° 21.3' N 27° 58.1' E	2 F.G. (vert.)	21 6	2	White metal post; 10.	
17188 <i>E 4886</i>	--Mola Adalari, Fener Adasi.	40° 27.7' N 28° 04.2' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	141 43	10	White mast on dwelling; 39.	Obscured 256°-259°, 296°- 303°, and 311°30'-028°.
17192 <i>E 4899.8</i>	--Marti Burnu, NW.	40° 34.0' N 28° 31.3' E	Fl.W. period 10s fl. 1s, ec. 9s	361 110	10	White concrete tower; 16.	
17196 <i>E 4899.9</i>	--Degirmen Burnu.	40° 33.5' N 28° 33.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	82 25	6	Stone tower; 16.	
17200 <i>E 4900.8</i>	-Karabacey (Sazli Kohve Burnu).	40° 23.5' N 28° 31.1' E	Fl.(3)W. period 15s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 10s	42 13	10	White metal framework tower; 39.	
17204 <i>E 4900</i>	-Boz Burnu, W. extremity.	40° 32.0' N 28° 47.1' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	249 76	10	White stone tower, dwelling; 29.	Siren: 2 bl. ev. 30s.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY							
17208 <i>E 4900.2</i>	-Arnavut Burnu.	40° 23.2' N 28° 52.0' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	98 30	9	White metal framework tower; 20.	
17212 <i>E 4900.4</i>	-Mudanya, mole.	40° 22.5' N 28° 53.3' E	F.R.		2	Mast.	
17216 <i>E 4900.6</i>	-Gemlik Korfezi, Tuzla Burnu.	40° 25.2' N 29° 05.7' E	Fl.W. period 10s fl. 1s, ec. 9s	46 14	12	White metal framework tower; 39.	
17220 <i>E 4900.7</i>	-Gemlik, wharf, head.	40° 26.0' N 29° 09.1' E	F.R.	39 12	3	Gray framework tower.	
17224 <i>E 4920</i>	-Tuzla Korfezi, Hayirsiz Ada.	40° 47.3' N 29° 15.7' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	59 18	10	Concrete tube on metal framework tower; 20.	
17226 <i>E 4920.5</i>	-Breakwater, head.	40° 48.8' N 29° 17.6' E	Fl.(2)W. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	39 12	8	White round metal tower, black band; 30.	
17228 <i>E 4921</i>	--Cayirova, pier.	40° 48.1' N 29° 20.5' E	F.R.	72 22	2	Grey metal mast; 66.	
	-Izmit Korfezi:						
17232 <i>E 4922</i>	--Yelkenkaya Burnu.	40° 45.3' N 29° 21.2' E	Fl.W. period 15s fl. 1.5s, ec. 13.5s	66 20	18	White round stone tower; 30.	
17236 <i>E 4899.96</i>	--Sivrikaya Burnu, entrance, S. side.	40° 38.8' N 28° 00.5' E	Fl.W. period 10s fl. 1s, ec. 9s	65 20	9	White metal column; 33.	
17238 <i>E 4899.94</i>	--Cinarcik, on mole.	40° 39.1' N 29° 07.8' E	F.G.	30 9	3	Concrete tower.	
17240 <i>E 4931</i>	--Yalova (Samanli), W. mole, head.	40° 39.7' N 29° 14.7' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	30 9	8	White reinforced concrete tower.	
17244 <i>E 4931.2</i>	---E. mole, head.	40° 39.7' N 29° 14.7' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	30 9	8	White reinforced concrete tower.	
17248 <i>E 4931.4</i>	---Quay, head.	40° 39.7' N 29° 16.2' E	F.R.				
17252 <i>E 4931.6</i>	-Aksa, Dolphin.	40° 42.0' N 29° 24.6' E	F.R.			Platform.	
17256 <i>E 4924</i>	-Dil Burnu, S. entrance point.	40° 44.4' N 29° 30.9' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	39 12	10	White metal framework tower; 30.	
17258 <i>E 4926.2</i>	--Diliskelesi, jetty, head.	40° 45.9' N 29° 32.0' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	62 19	3	Concrete column.	
17260 <i>E 4927</i>	--Kiler Burnu, oil terminal platform, W. dolphin.	40° 44.6' N 29° 45.3' E	3 F.R.	23 7	2	Mast.	Siren: 2 bl. ev. 60s.
17264 <i>E 4927.4</i>	---E. dolphin.	40° 44.5' N 29° 45.6' E	2 F.W.	23 7	2	Mast.	
17266 <i>E 7640.5</i>	--Platform.	40° 44.4' N 29° 46.6' E	Fl.R. period 4s	26 8	5		
17268 <i>E 4926</i>	--Kava Burnu, N. entrance point.	40° 46.0' N 29° 31.0' E	Fl.(3)W. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	52 16	5	Metal tripod on concrete base; 23.	Nautophone: 3 bl. ev. 30s (bl. 2s, si. 6s, bl. 2s, si. 6s, bl. 2s, si. 12s).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY							
17272 <i>E 4928</i>	--Zeytun Burnu, extremity of point.	40° 44.4' N 29° 46.8' E	Fl.(2)R. period 5s fl. 0.3s, ec. 1s fl. 0.3s, ec. 3.4s	33 10	8	White metal mast and dwelling; 33.	F.R. on water tower 1M N.
17274 <i>E 7641</i>	--Platform.	40° 44.3' N 29° 47.0' E	Fl.W. period 4s	26 8	5		
17274.5 <i>E 7642</i>	--Platform.	40° 44.3' N 29° 47.4' E	F.R.				
17280 <i>E 4929</i>	--Golcuk Burnu.	40° 43.8' N 29° 48.8' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	29 9	8	Metal frame tower, white concrete base; 29.	F.R. lights are shown on pier 700 meters W.
17288 <i>E 4917.4</i>	-Heybeli, S. mole, head.	40° 52.4' N 29° 06.6' E	F.R.	16 5	2	White round concrete tower; 7.	
17292 <i>E 4917.2</i>	--N. mole, head.	40° 52.4' N 29° 06.6' E	F.G.	16 5	2	White round concrete tower; 7.	
17292.5 <i>E 4916.1</i>	-Pendik Burnu, breakwater, head.	40° 52.1' N 29° 14.4' E	Fl.G.		5		
17293 <i>E 4916.2</i>	-Pendik, breakwater, head.	40° 51.6' N 29° 15.2' E	Fl.G. period 5s fl. 1s, ec. 4s	36 11	8	Concrete tower; 33.	
17294 <i>E 4916.3</i>	-Aydinbey Yarimadasi, S. head.	40° 51.6' N 29° 15.4' E	Fl.R. period 5s fl. 1s, ec. 4s	23 7	8	Metal framework tower; 10.	
17295 <i>E 4916.4</i>	-Aydinli Limani.	40° 51.0' N 29° 16.3' E	Fl.(2)G. period 5s	26 8	5	Concrete pillar; 26.	
17296 <i>E 4917.5</i>	--Boat harbor, mole, head.	40° 52.9' N 29° 06.1' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	20 6	7	Concrete tower; 10.	
17300 <i>E 4916.6</i>	-Balıkcı Adası.	40° 49.2' N 29° 06.8' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	102 31	9	White metal framework tower; 20.	
17304 <i>E 4915</i>	-Dilek Kayalığı.	40° 54.9' N 29° 05.4' E	Q.(6)+L.Fl.W. period 15s	20 6	8	S. CARDINAL YB, beacon, topmark.	Electric lights mark power cable between Chamasir Burnu, Prinkipo, and Halki.
17308 <i>E 4916</i>	-Buyukada Kanal, Maltepe, pier, head.	40° 54.8' N 29° 08.0' E	F.R.	23 7	2	Column; 13.	
17312 <i>E 4917.6</i>	-Burgaz Adası.	40° 52.8' N 29° 04.3' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	13 4	3	Concrete tower; 10.	
17316 <i>E 4918</i>	-Sivriada.	40° 52.6' N 28° 58.2' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	272 83	13	White conical tower, concrete base; 10.	
17320 <i>E 4914</i>	-Yıldız Kayalığı.	40° 55.2' N 29° 05.3' E	V.Q.(9)W. period 10s	13 4	8	W. CARDINAL YBY, beacon, topmark.	
17324 <i>E 4913</i>	-Bostancı, mole, head.	40° 57.1' N 29° 05.6' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	16 5	5	Concrete tower ; 10.	
17328 <i>E 4910</i>	-Fener Burnu.	40° 58.2' N 29° 01.9' E	Fl.(2)W. period 12s fl. 1.5s, ec. 2s fl. 1.5s, ec. 7s	82 25	15	White round stone tower; 65.	Siren: 1 bl. ev. 60s.
17336 <i>E 4912</i>	Oreke tasi.	40° 58.0' N 29° 01.8' E	Fl.(2)W. period 5s fl. 0.3s, ec. 0.7s fl. 0.3s, ec. 3.7s	16 5	3	White concrete column, masonry base; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY							
17337 <i>E 4909.4</i>	Fenerbahce, W. breakwater, head.	40° 58.4' N 29° 02.1' E	Fl.(2)G. period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s		6		
17337.5 <i>E 4909.6</i>	-E. breakwater, head.	40° 58.4' N 29° 02.1' E	Fl.(2)R. period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s		6		
17338 <i>E 4909</i>	-Marina, W. breakwater, head.	40° 58.6' N 29° 02.1' E	Fl.G. period 10s fl. 1s, ec. 9s		3		
17339 <i>E 4909.2</i>	--E. breakwater, head.	40° 58.6' N 29° 02.2' E	Fl.R. period 10s fl. 1s, ec. 9s		3		
BOSPORUS:							
17340 <i>E 4903</i>	-Ahirkapi Burnu (Istanbul).	41° 00.4' N 28° 59.1' E	Fl.W. period 6s fl. 0.5s, ec. 5.5s	118 36	16	White tower, dwelling; 95.	Siren: 2 bl. ev. 30s.
17344 <i>E 4906</i>	-Haydarpasa, inner detached breakwater, NW. extremity.	40° 59.9' N 29° 00.8' E	F.G.	23 7	3	White masonry tower; 11.	F.R. shown from NW. corner of passenger quay.
17348 <i>E 4906.2</i>	--SE. extremity.	40° 59.7' N 29° 01.1' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	46 14	8	White concrete tower; 39.	Bell: 1 stroke ev. 6s.
17352 <i>E 4904</i>	--Outer detached breakwater, NW. extremity.	41° 00.5' N 29° 00.2' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	49 15	8	White concrete tower; 26.	Horn: 1 bl. ev. 6s.
--RACON G(— — •)							
17356 <i>E 4904.2</i>	---SE. extremity.	40° 59.8' N 29° 00.6' E	F.R.	23 7	3	White concrete tower; 11.	
17360 <i>E 4904.6</i>	Kadikoy, breakwater, head.	40° 59.6' N 29° 00.8' E	Iso.W. period 4s	46 14	13	White concrete pillar.	
17364 <i>E 4907</i>	--Harem Vapur Iskele, S. breakwater, head.	41° 00.7' N 29° 00.4' E	Fl.(2)G. period 5s fl. 0.4s, ec. 0.6s fl. 0.4s, ec. 3.6s	23 7	6	White concrete tower; 10.	
17368 <i>E 4907.2</i>	---N. breakwater, head.	41° 00.8' N 29° 00.6' E	Fl.(2)R. period 5s fl. 0.4s, ec. 0.6s fl. 0.4s, ec. 3.6s	23 7	6	White concrete tower; 10.	
17372 <i>E 4903.8</i>	-Leander Tower (Kizkulezi), strait, E. side.	41° 01.3' N 29° 00.3' E	Fl.W.R. period 3s fl. 0.3s, ec. 2.7s	36 11	W. 14 R. 11	Tripod on white base; 29.	W. 000°-030°, R.-000°. Lights mark power cable between Kizkulezi and Saray Burnu. Navigation control station.
17376 <i>E 4936.4</i>	-Bridge center.	41° 02.8' N 29° 02.1' E	Q.W.	210 64			R Lts mark shore towers.
17380 <i>E 4936.5</i>	-Channel, NW. side.	41° 02.7' N 29° 01.9' E	Q.Y.	210 64			
17384 <i>E 4936.6</i>	-Channel, SE. side.	41° 02.6' N 29° 02.1' E	Q.Y.	210 64			
17388 <i>E 4903.7</i>	-Salipazari Rihtimi.	41° 01.7' N 28° 59.3' E	Fl.(3)G. period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 4s	42 13	10	Metal tower, green band; 33.	
17392 <i>E 4937</i>	-Beylerbeyi.	41° 02.6' N 29° 02.5' E	Fl.(2)R. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	33 10	9	White metal post on palace wall; 3.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY							
17396 <i>E 4937.4</i>	-Defterdar Burnu.	41° 03.0' N 29° 02.0' E	Fl.(2)G. period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 9s	49 15	7	White metal framework tower; 39.	
17400 <i>E 4938.3</i>	-Cengelkoy.	41° 03.3' N 29° 03.1' E	Fl.(3)R. period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	43 13	6	White metal framework tower; 49.	
17404 <i>E 4938</i>	-Kurucesme, on Duimi Banka, strait, W. side.	41° 03.4' N 29° 02.2' E	Fl.(3)G. period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 9s	23 7	10	Metal framework tower; 16.	
17408 <i>E 4940</i>	-Arnavutkoy.	41° 04.1' N 29° 02.8' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	36 11	10	White metal mast; 30.	
17412 <i>E 4944</i>	-Kandilli Burnu, strait, E. side.	41° 04.4' N 29° 03.3' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	89 27	12	White metal column; 30.	Navigation control station. 2 Fl.R. on radio mast 3.3 miles SE.
17416 <i>E 4941</i>	-Bebek, bank. N. extremity.	41° 04.7' N 29° 02.9' E	Fl.(2)G. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	16 5	5	Black stone pyramid; 15.	Fl R 3s and Fl G 3s mark boat channel into Bebek.
17420 <i>E 4946</i>	-Rumelihisari, on wall of fortress, strait, W. side.	41° 05.0' N 29° 03.4' E	Fl.(3)G. period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	23 7	8	White metal framework structure; 16.	
17422 <i>E 4946.2</i>	-Fatih Sultan Mehmet Bridge, center.	41° 05.5' N 29° 03.7' E	Oc.Y. period 6s	222 68			Fl.R. Lts mark shore towers.
17422.4 <i>E 4946.4</i>	--Channel, W. side.	41° 05.5' N 29° 03.5' E	Oc.Y. period 6s	220 67			
17422.6 <i>E 4946.6</i>	--Channel, E. side.	41° 05.5' N 29° 03.8' E	Oc.Y. period 6s	220 67			
17424 <i>E 4947</i>	-Balta Limani.	41° 06.0' N 29° 03.3' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	39 12	5	White metal pillar; 33.	
17428 <i>E 4948</i>	-Kanlica Burnu, strait, E. side.	41° 06.2' N 29° 04.0' E	Fl.(2)R. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	92 28	8	White iron column; 36.	
17432 <i>E 4949.4</i>	-Pasabahce, near factory.	41° 07.0' N 29° 05.4' E	Fl.(3)R. period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	46 14	9	White iron tower; 39.	
17436 <i>E 4949</i>	-Istinye.	41° 06.8' N 29° 03.7' E	Fl.(2)G. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	46 14	9	White tower, green bands; 33.	
17438 <i>E 4949.6</i>	-Yenikoy.	41° 07.4' N 29° 04.4' E	Q.(3)W. period 10s	20 6	6	E. CARDINAL BYB, concrete column, topmark.	
17444 <i>E 4949.5</i>	-Incirkoy.	41° 07.7' N 29° 05.8' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	52 16	8	Metal pole.	
17452 <i>E 4950</i>	-Kirec Burnu.	41° 08.9' N 29° 02.8' E	Fl.(3)G. period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	33 10	5	White metal pillar; 26.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY							
17456 <i>E 4949.7</i>	-Selvi Burnu, breakwater, head.	41° 08.6' N 29° 04.3' E	Fl.(2)R. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	43 13	8	Framework tower; 33.	
17458	<i>Umur Banklari Buoy.</i>	41° 08.8' N 29° 03.9' E	Q.(6)+L.Fl.W. period 15s			S. CARDINAL YB, pillar, topmark.	
	RACON		D(- • •)				
17460 <i>E 4949.8</i>	--Jetty extension.	41° 08.9' N 28° 04.4' E	F.G.	23 7		White concrete column on pedestal.	
17468 <i>E 4952</i>	-Buyukdere.	41° 09.7' N 29° 02.9' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	39 12	9	White tower; 26.	
17472 <i>E 4953.2</i>	-Overhead cable, E. head.	41° 10.1' N 29° 05.2' E	2 Fl.R. period 2s	817 249	11	Red and white framework tower; 407.	
17476 <i>E 4953</i>	--W. head.	41° 10.6' N 29° 04.2' E	2 Fl.R. period 2s	797 243	11	Red and white framework tower; 407.	
17480 <i>E 4954</i>	-Kavak Burnu, in fort.	41° 10.8' N 29° 05.2' E	Fl.(3)R. period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	52 16	5	White column on fort; 16.	Signal station.
17484 <i>E 4955</i>	-Dikili Tas.	41° 11.0' N 29° 04.8' E	Fl.(2)G. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	26 8	10	White concrete tower; 23.	
	-RACON		C(- • - •)				
17488 <i>E 4955.4</i>	-Cali Burnu.	41° 12.5' N 29° 06.4' E	Fl.(3)G. period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	108 33	5	White iron tower; 20.	
17492 <i>E 4955.2</i>	-Fil Burnu, on extremity of point.	41° 12.1' N 29° 07.1' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	246 75	6	Metal framework tripod; 20.	
17496 <i>E 4956</i>	-Rumeli Burnu.	41° 14.1' N 29° 06.8' E	Fl.(2)W. period 12s fl. 1s, ec. 3s fl. 1s, ec. 7s	190 58	18	White round stone tower; 98.	Nautophone: 1 bl. ev. 20s (bl. 4s, si. 16s).
17500 <i>E 4956.2</i>	-Large breakwater, head.	41° 13.7' N 29° 06.9' E	Fl.G. period 3s	33 10	7	Concrete tower; 22.	
17504 <i>E 4956.4</i>	-Small breakwater, head.	41° 13.8' N 29° 06.8' E	F.R.	23 7	5	Concrete tower; 16.	
17508 <i>E 4958</i>	-Anadolu.	41° 13.0' N 29° 09.1' E	L.Fl.W. period 20s fl. 2s, ec. 18s	246 75	20	White stone tower and dwelling; 66.	Signal station.
	-RACON		B(- • • •)				
17512 <i>E 4960</i>	-Yom Burnu FOG SIGNAL.	41° 13.3' N 29° 10.2' E					Siren: 2 bl. ev.32s.
17516 <i>E 4962</i>	Dalyan Burnu, at extremity.	41° 15.5' N 29° 02.3' E	Fl.(2)W.R. period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	46 14	10	White framework tower; 36.	W. 105°-162°, R-175°, W.-346°, R-105°.
TURKEY-BLACK SEA							
17520 <i>E 4964</i>	Karaburnu.	41° 21.0' N 28° 41.0' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	177 54	15	White stone tower, dwelling; 29.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY-BLACK SEA							
17524 E 4965	Kiyikoy.	41° 38.0' N 28° 06.0' E	Fl.W. period 10s	121 37	12	White framework tower; 33.	
17525 E 4965.1	-Main breakwater, head.	41° 37.9' N 28° 06.1' E	Fl.G. period 5s fl. 1s, ec. 4s	23 7	5	Concrete tower; 16.	
17525.5 E 4965.2	-Secondary breakwater, head.	41° 37.9' N 28° 06.1' E	Fl.R. period 5s fl. 1s, ec. 4s	23 7	5	Concrete tower; 13.	
17528 E 4966	Igneda Burnu.	41° 53.2' N 28° 03.5' E	Fl.(2)W. period 15s fl. 0.3s, ec. 4.7s fl. 0.3s, ec. 9.7s	144 44	20	White masonry tower, dwelling; 26.	
17532 E 4966.4	-E. breakwater, head.	41° 53.3' N 28° 01.3' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	43 13	8	White concrete tower; 39.	
17536 E 4966.6	-W. breakwater, head.	41° 53.2' N 28° 01.2' E	F.R.	43 13	4	White concrete tower; 42.	
BULGARIA							
17540 E 4968	Akhtopol.	42° 06.1' N 27° 57.1' E	Q.(6)+L.Fl.W. period 15s	49 15	5	S. CARDINAL YB, tower; 36.	
17544 E 4970	Michurin (Tzarevo), on rock.	42° 10.1' N 27° 52.2' E	Q.W.	39 12	4	N. CARDINAL BY, tower; 33.	
17548 E 4971	-Breakwater, head.	42° 10.3' N 27° 51.7' E	Iso.G. period 4s	39 12	2	White round tower; 30.	
17550 E 4971.5	-Main Light.	42° 10.2' N 27° 51.2' E	L.Fl.W. period 7s fl. 3s, ec. 4s	134 41	9	Dwelling; 66.	
17552 E 4972	Primorsko, pier, head.	42° 16.0' N 27° 45.5' E	L.Fl.W. period 5s fl. 2s, ec. 3s	26 8	6	White round tower; 16.	
17556 E 4974	Maslen Nos.	42° 18.5' N 27° 47.7' E	Fl.(3)W. period 17.2s fl. 0.4s, ec. 4s fl. 0.4s, ec. 4s fl. 0.4s, ec. 8s	123 37	17	White stone tower; 23.	
BURGASKI ZALIV:							
17564 E 4976	-Sveti Ivan.	42° 26.3' N 27° 41.6' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	144 44	18	White round concrete tower, dwelling; 43.	Horn: 4 bl. ev. 30s.
17572 E 4980	-Ostrov Bolshevik.	42° 28.1' N 27° 33.1' E	L.Fl.W.R. period 8s fl. 2s, ec. 6s	71 22	W. 8 R. 4	White round concrete tower; 39.	R. 272°-312°, W.-272°.
17576 E 4981	-Point Chu Kalya.	42° 27.5' N 27° 32.5' E	F.R.			White tower with red bands.	
17577 E 4981.3	-Rossentz, pier, head.	42° 27.3' N 27° 31.9' E	L.Fl.R. period 20s fl. 4s, ec. 16s	23 7	5	White concrete platform; 16.	
17578 E 4981.4	--Range, front.	42° 26.5' N 27° 31.8' E	F.R.			White square tower, black stripe.	
17578.1 E 4981.41	---Rear, 120 meters 180°42' from front.	42° 26.4' N 27° 31.8' E	F.R.			White square tower, black stripe.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
BULGARIA							
-Burgas:							
17580 <i>E 4984</i>	--E. breakwater, head.	42° 28.9' N 27° 29.1' E	Fl.W. period 3s fl. 1s, ec. 2s	79 24	14	White round concrete tower, red bands; 46.	Visible 253°-153°. Nautophone: Mo.(B) ev. 30s.
17581 <i>E 4983</i>	--Terminal 2A.	42° 28.7' N 27° 28.0' E	Fl.W. period 11s fl. 0.5s, ec. 10.5s	30 9	4		
17582 <i>E 4983.5</i>	--Breakwater, head.	42° 28.4' N 27° 28.6' E	Fl.W. period 4s fl. 1s, ec. 3s	36 11	11		
17583 <i>E 4983.8</i>	---Spur.	42° 28.9' N 27° 28.8' E	Fl.R. period 4s fl. 1s, ec. 3s	30 9	4		
17584 <i>E 4986</i>	--Arm extending W. from E. breakwater.	42° 29.0' N 27° 28.8' E	Iso.G. period 4s	33 10	2	White round metal tower; 20.	Visible 333°-213°.
17588 <i>E 4988</i>	--W. breakwater, E. head.	42° 29.0' N 27° 28.9' E	Iso.R. period 4s	33 10	2	White round metal tower; 20.	
17589 <i>E 4988.5</i>	--Pobeda, pier, head.	42° 28.7' N 27° 27.0' E	Oc.W. period 4.5s lt. 2.5s, ec. 2s	30 9	4	Red beacon, yellow band; 20.	
17592 <i>E 4989</i>	--Korabostroitelnitzy, jetty, N. head.	42° 27.6' N 27° 27.4' E	L.Fl.G. period 6s fl. 2s, ec. 4s	20 6	3	White round metal tower, green band; 13.	
17596 <i>E 4989.2</i>	---Jetty, S. head.	42° 27.5' N 27° 27.2' E	L.Fl.R. period 6s fl. 2s, ec. 4s	20 6	3	White round metal tower, red band; 13.	
17604 <i>E 4990</i>	Pomorie, SE. reef.	42° 33.1' N 27° 39.8' E	Q.(3)W. period 10s	39 12	6	Black round stone tower, yellow band; 26.	
17608 <i>E 4994</i>	Nesebur.	42° 39.3' N 27° 43.8' E	Fl.R.G. period 8s	33 10	R. 4 G. 2	White framework tower; 20.	R. 240°-285°, G.-240°.
17612 <i>E 4996</i>	Nos Emine.	42° 42.2' N 27° 54.1' E	Fl.W. period 6s fl. 1.5s, ec. 4.5s	210 64	20	Tower on white building; 30.	
17616 <i>E 4998</i>	Sveti Athanas.	42° 51.3' N 27° 53.0' E	Oc.R. period 7s lt. 4s, ec. 3s	125 38	12	White metal framework on stone tower; 33.	
VARNENSKI ZALIV:							
17624 <i>E 5000</i>	-Nos Galata.	43° 10.3' N 27° 57.8' E	Fl.(3)W. period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 2s fl. 0.5s, ec. 10s	249 76	26	White octagonal tower and dwelling, beige stripes; 72.	Nautophone: Mo.(W) ev. 30s.
17628 <i>E 5004</i>	--E. breakwater, head.	43° 11.2' N 27° 55.3' E	Fl.W. period 10s	56 17	10	White round metal tower; 29.	Nautophone: 2 bl. ev. 10s.
17632 <i>E 5006</i>	--S. breakwater, head.	43° 11.5' N 27° 55.1' E	Iso.R. period 4s	33 10	2	White tower; 20.	
17633 <i>E 5005</i>	---E. breakwater, head.	43° 11.5' N 27° 55.2' E	Iso.G. period 4s	33 10	2	White round metal tower; 20.	
17640 <i>E 5008.5</i>	-Yevksinogradskiy, mole, head.	43° 13.1' N 27° 59.3' E	Fr.	62 19	6	White round metal tower; 52.	
17642 <i>E 5008.7</i>	Nos Kavaklar.	43° 15.1' N 28° 01.7' E	Fl.W. period 7s				
17646 <i>E 5009.5</i>	Balcik.	43° 24.2' N 28° 09.9' E	F.W.	26 8	5	Metal column; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
BULGARIA							
17648 <i>E 5010</i>	Bukhta Balchik, breakwater, head.	43° 23.6' N 28° 10.1' E	L.F.I.R. period 5.5s fl. 2.5s, ec. 3s	33 10	8	Skeleton tower; 26.	
17652 <i>E 5011</i>	-Pier, root.	43° 24.7' N 28° 21.1' E	Iso.W. period 5s	39 12	5	White metal column, concrete base; 30.	
17656 <i>E 5012</i>	Nos Kaliakra.	43° 21.8' N 28° 28.1' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	223 68	21	White masonry tower on dwelling; 33.	
17660 <i>E 5016</i>	Nos Shabla.	43° 32.2' N 28° 36.5' E	Fl.(3)W. period 20s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 2.5s fl. 1s, ec. 15s	118 36	17	White octagonal stone tower, red bands; 105.	
ROMANIA							
17664 <i>E 5018</i>	Mangalia , about 4 km. 282° from breakwater light.	43° 48.7' N 28° 33.6' E	Fl.(2)W. period 5.5s fl. 0.1s, ec. 1.3s fl. 0.1s, ec. 4s	236 72	22	White pyramidal stone tower; 138.	
17668 <i>E 5019</i>	-NE. breakwater.	43° 48.0' N 28° 36.1' E	Fl.W. period 4s fl. 1.5s, ec. 2.5s	75 23	10	Metal tower; 69.	Nautophone: (700 meters 255°) Mo.(M) ev. 17s.
17672 <i>E 5019.5</i>	-NE. breakwater, spur.	43° 48.1' N 28° 35.8' E	Fl.G. period 3s fl. 1s, ec. 2s	49 15	5	Gray stone and concrete dwelling; 42.	
17684 <i>E 5020</i>	-SE. breakwater, head.	43° 48.0' N 28° 46.0' E	Fl.R. period 3s fl. 1s, ec. 2s	49 15	5	Gray stone and concrete dwelling; 42.	
17688 <i>E 5022</i>	Capul Tuzla.	43° 59.5' N 28° 40.1' E	Fl.(2)W. period 9.7s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 7s	203 62	20	Black metal framework, white band; 144.	Visible 191°-014°. Nautophone: 1 bl. ev. 30s (bl. 5s, si. 25s).
			F.R.	187 57	6	Same structure.	Visible 162°-192°.
CONSTANTA:							
17690 <i>E 5027.2</i>	-Constanta Sud.	44° 06.5' N 28° 39.9' E	Fl.R. period 3s	16 5			Radar reflector.
17692 <i>E 5025</i>	-Constanta.	44° 09.5' N 28° 37.9' E	Fl.(2)W. period 29.8s fl. 0.4s, ec. 6.6s fl. 0.4s, ec. 22.4s	285 87	24	White pyramidal concrete tower, blue cupola; 190.	
17700 <i>E 5026</i>	-Outer Harbor, E. breakwater, head.	44° 08.6' N 28° 40.5' E	Fl.W. period 4.5s fl. 1.5s, ec. 3s	79 24	10	Gray stone tower; 59.	Nautophone: Mo.(C) ev. 30s (bl. 4.5s, si. 1.5s, bl. 1.5s, si. 1.5s, bl. 4.5s, si. 1.5s, bl. 1.5s, si. 13.5s).
17704 <i>E 5026.2</i>	--E. breakwater, traverse arm.	44° 08.9' N 28° 40.4' E	Fl.G. period 3s fl. 1s, ec. 2s	46 14	5	Gray dwelling, cupola; 29.	
17708 <i>E 5026.4</i>	--S. breakwater, head.	44° 08.8' N 28° 40.2' E	Fl.R. period 3s fl. 1s, ec. 2s	46 14	5	Gray dwelling, cupola; 29.	
17720 <i>E 5028.2</i>	--E. breakwater, head.	44° 10.7' N 28° 39.7' E	Fl.R. period 3s	33 10	4	Red metal mast; 28.	
17728 <i>E 5028</i>	-Marina, NE. side.	44° 10.7' N 28° 39.7' E	Fl.G. period 3s	33 10	4	Green metal mast; 28.	
17732 <i>E 5030</i>	Cape Midia.	44° 20.9' N 28° 41.1' E	Fl.W. period 5s fl. 1.5s, ec. 3.5s	118 36	17	Red framework tower, white bands, white cupola; 72.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ROMANIA							
17733 <i>E 5030.2</i>	-Entrance.	44° 19.3' N 28° 41.8' E	Fl.W. period 5s fl. 1.5s, ec. 3.5s	82 25	10	Metal structure on white concrete tower; 59.	
17736 <i>E 5031</i>	Gura Portita, fairway, S. side.	44° 40.5' N 28° 59.3' E	Fl.W. period 9s fl. 1s, ec. 8s	72 22	10	Black framework tower, white bands and white rectangular cupola; 72.	
DANUBE RIVER ENTRANCES:							
17740 <i>E 5032</i>	-Gura Sfintu Gheorghe.	44° 54.0' N 29° 36.1' E	Fl.(2)W. period 7.2s fl. 0.1s, ec. 1.7s fl. 0.1s, ec. 5.3s	157 48	19	Blue tower; 164.	
17744 <i>E 5034</i>	-Sulina.	45° 08.9' N 29° 45.6' E	Fl.(3)W. period 16.2s fl. 0.4s, ec. 1.5s fl. 0.4s, ec. 1.5s fl. 0.4s, ec. 12s	161 49	19	White round stone tower, red cupola; 157.	Visible 165°-045°. Nautophone: Mo.(SU) 30s. Radar reflector.
	-RACON				15		(3 & 10cm)
17745 <i>E 5034.2</i>	--S. breakwater, head.	45° 08.7' N 29° 46.1' E	Fl.R. period 5.5s fl. 0.7s, ec. 4.8s	30 9	3	Metal tower; 13.	
17745.5 <i>E 5034.4</i>	--N. breakwater, head.	45° 08.8' N 29° 46.2' E	Fl.G. period 5.5s fl. 0.7s, ec. 4.8s	30 9	3	Metal tower; 13.	
UKRAINE							
17772 <i>E 5036</i>	Ostrov Zmeinyy.	45° 14.9' N 30° 11.9' E	Fl.W. period 4.5s fl. 1.5s, ec. 3s	194 59	17	White tower; 59.	Reserve light Fl.(3)W. 15s 15M.
17788 <i>E 5041</i>	-Girlo Prorva, Provinskiy, at 3.23 km., channel, E. side.	45° 28.1' N 29° 43.4' E	L.Fl.(2)W. period 9s fl. 2s, ec. 1s fl. 2s, ec. 4s	95 29	12	Green truncated pyramidal metal framework tower, grey base; 92.	Visible 103°-350°. Traffic signals.
	-RACON		P(• — •) period 30s		18		
17792 <i>E 5041.2</i>	Prorvinskiy Rezervnyy.	45° 28.6' N 29° 44.3' E	Fl.W. period 7s fl. 1s, ec. 6s	95 29	12	Red framework tower; 56.	Visible 207°30'-006°30'. Shown when Girlo Prorva is extinguished.
17796 <i>E 5042</i>	--Entrance Range, front.	45° 27.9' N 29° 43.2' E	F.R.	33 10	6	Black rectangular daymark, black round topmark; 39.	
17800 <i>E 5042.1</i>	--Rear, 0.7 km. 219°12' from front.	45° 27.6' N 29° 42.8' E	F.R.	56 17	6	Black rectangular daymark, black round topmark; 59.	
17808 <i>E 5053</i>	Primorskoye.	45° 31.8' N 29° 38.9' E	Fl.W. period 5s fl. 1s, ec. 4s	59 18	12	Black metal framework tower; 39.	Radar reflector.
17812 <i>E 5053.3</i>	Kataranskiy.	45° 37.6' N 29° 44.1' E	Oc.W. period 4s lt. 3s, ec. 1s	59 18	13	Grey building, orange stripe; 49.	
17820 <i>E 5053.6</i>	Ozero Shagany.	45° 40.4' N 29° 53.1' E	Fl.W. period 3s fl. 1s, ec. 2s	65 20	14	Black trapezoidal daymarks on red concrete column; 52.	Reserve light range 7M.
	RACON		SH(••• ••••) period 30s		20		
17824 <i>E 5054</i>	Burnas.	45° 49.7' N 30° 09.3' E	Iso.R. period 2s	82 25	8	White stone structure on yellow building; 43.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
UKRAINE							
17828 <i>E 5056</i>	Budaki.	45° 55.2' N 30° 17.2' E	Fl.W. period 5s fl. 1s, ec. 4s	125 38	17	Red square iron tower, black square daymark, white stripe, wind generator; 49.	Reserve light range 7M.
DNESTROVSKIY LIMAN:							
17840 <i>E 5060</i>	-Tsaregradskoye Girlo Range, front.	46° 04.5' N 30° 28.1' E	F.G.	75 23	8	Red framework tower, red daymark, white stripe; 69.	Visible on range line only. Traffic signals.
			F.G.	72 22			Visible 180°-270°.
17844 <i>E 5060.1</i>	--Rear, 220 meters 265°06' from front.	46° 04.5' N 30° 28.3' E	L.Fl.W. period 7.5s fl. 3s, ec. 4.5s	112 34	16	Red framework tower, red rectangular daymark, white stripe, 2 white bands; 105.	Reserve light range 10M.
			F.G.	105 32	8		Visible on range line only.
17848 <i>E 5068</i>	Sanzheyskiy.	46° 13.4' N 30° 36.6' E	Fl.(2)G. period 15s fl. 0.4s, ec. 3.2s fl. 0.4s, ec. 11s	115 35	17	White octagonal stone tower; 62. Floodlit.	Visible 215°-035°. Reserve light range 10M.
	RACON		SN(• • • - •) period 30s		20		
ODESSKIY ZALIV TRAFFIC SEPARATION SCHEME:							
17852	-Buoy "1".	46° 08.0' N 31° 06.0' E	Q.(3)W. period 10s			E. CARDINAL BYB, pillar, topmark.	Radar reflector.
	-RACON		R(• - •) period 30s		15		
IL'ICHEVSKIY:							
17860 <i>E 5071</i>	-S. mole, head.	46° 18.9' N 30° 40.9' E	Oc.(2)R. period 12s lt. 4.5s, ec. 4.5s lt. 1.5s, ec. 1.5s	66 20	15	White round concrete tower, red bands; 59.	Reserve light range 7M.
17864 <i>E 5071.4</i>	-N. mole, head.	46° 19.1' N 30° 39.9' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	39 12	4	Red metal column; 33.	
17868 <i>E 5072</i>	-Aleksandrouka, entrance Range, front.	46° 19.5' N 30° 39.1' E	F.G. (neon)	151 46	10	Black metal framework tower, white rectangular daymark, black stripe; 89.	Visible on range line only.
17872 <i>E 5072.1</i>	--Rear, about 0.7 km. 288°30' from front.	46° 19.6' N 30° 38.5' E	F.R. (neon)	236 72	11	Black metal framework tower, white rectangular daymark, black stripe; 95.	Visible on range line only.
17876 <i>E 5073</i>	-Severnnyy Portovyy, inner N. mole, head.	46° 19.1' N 30° 40.6' E	L.Fl.G. period 6s fl. 2s, ec. 4s	33 10	4	White round metal column, black bands; 26.	
17878 <i>E 5072.6</i>	--S. inner mole.	46° 19.0' N 30° 40.5' E	L.Fl.R. period 6s fl. 2s, ec. 4s	33 10	4	White round metal column, red bands; 26.	
17884 <i>E 5075</i>	-W. entrance, W. side.	46° 20.0' N 30° 39.3' E	L.Fl.R. period 6s fl. 2s, ec. 4s	20 6	4	Gray metal framework tower on dolphin; 13.	
17885 <i>E 5072.3</i>	--E. side.	46° 19.4' N 30° 40.1' E	L.Fl.G. period 6s		2		
17886 <i>E 5076.3</i>	-Ostrova Dambovy, E. entrance, W. side.	46° 20.1' N 30° 39.6' E	L.Fl.R. period 6s fl. 2s, ec. 4s	39 12	4	White round metal column, red bands; 26.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
UKRAINE							
17888 <i>E 5076.4</i>	--E. side.	46° 20.1' N 30° 39.7' E	L.F.I.G. period 6s fl. 2s, ec. 4s	39 12	4	White round metal column, black bands; 26.	
17889 <i>E 5076.35</i>	--W. entrance, E. side.	46° 19.9' N 30° 39.5' E	L.F.I.G. period 6s		2		
17892 <i>E 5076</i>	-Sukhoy Liman Range, front.	46° 20.4' N 30° 39.0' E	F.G.	131 40	2	Metal framework tower, white rectangular daymark, black stripe; 52.	Visible 340°42'-350°42'.
17896 <i>E 5076.1</i>	--Rear, 247 meters 345°42' from front.	46° 21.0' N 30° 39.2' E	F.W.	167 51	3	Metal framework tower, white rectangular daymark, black stripe; 92.	Visible 340°42'-350°42'.
17898 <i>E 5076.8</i>	-Berth No. "23".	46° 20.5' N 30° 39.0' E	L.F.I.R. period 6s fl. 2s, ec. 4s	23 7	4	White round metal column, red bands; 16.	
17899 <i>E 5077.5</i>	-Ferry Pier.	46° 20.7' N 30° 39.1' E	F.I.G. period 2s	36 11	2	Black round metal column, white bands; 20.	
17899.1 <i>E 5077.3</i>	-RoRo berth.	46° 20.2' N 30° 39.3' E	L.F.I.G. period 6s fl. 2s, ec. 4s	26 8	4	White metal column, black bands.	
17899.5 <i>E 5077.55</i>	-Beacon.	46° 20.8' N 30° 38.8' E	L.F.I.G. period 6s		2		
17900 <i>E 5077.7</i>	-Pier "SR3".	46° 20.5' N 30° 38.5' E	F.G.	26 8	1	Round metal framework tower; 16.	
17904 <i>E 5078</i>	Odesskiy Zaliv.	46° 22.9' N 30° 44.9' E	Fl.(3)W. period 12s fl. 1.5s, ec. 1.5s fl. 1.5s, ec. 1.5s fl. 1.5s, ec. 4.5s	275 84	22	White metal framework tower, central column; 89.	Visible 197°-047°. Reserve light Fl.W. 5s 9M. Nauphone: (370 meters SE.) 3 bl. ev. 30s. Reserve Bell: 2 strokes ev. 120s.
ODESSA:							
17912 <i>E 5082</i>	-Reydovyy, approach Range, front.	46° 29.8' N 30° 45.7' E	Fl.(3)R. period 12s fl. 0.3s, ec. 2.1s fl. 0.4s, ec. 2.1s fl. 0.3s, ec. 6.8s	88 27	15	White round tower, red lantern; 85.	Nauphone: 5 bl. ev. 60s. Reserve Bell.
17916 <i>E 5084</i>	--Odesskiy Stvornyy, rear, 1.93 km. 250°24' from front.	46° 29.4' N 30° 44.0' E	F.R.	180 55	18	White hut on roof of building; 66.	F.W. 8M by day.
17920 <i>E 5086</i>	-Detached breakwater, E. head.	46° 29.7' N 30° 45.5' E	F.I.G. period 3s fl. 1s, ec. 2s	36 11	3	White metal framework tower; 30.	
17924 <i>E 5088</i>	--W. head.	46° 29.9' N 30° 44.6' E	F.I.R. period 3s fl. 1s, ec. 2s	36 11	3	White metal framework tower; 30.	
17928 <i>E 5090</i>	-Dredged channel Range, front.	46° 30.0' N 30° 44.4' E	F.I.G. period 3s	33 10	2	Metal framework tower, white shield, black stripe, triangular daymark; 33.	Visible on range line only.
17932 <i>E 5090.1</i>	--Rear, 695 meters 274°36' from front.	46° 30.2' N 30° 43.8' E	F.G. (neon)	82 25	3	White triangular daymark, white rectangular daymark, black stripe; 72.	Visible on range line only.
17936 <i>E 5103</i>	-Neftyanaya Gavan', entrance Range, front.	46° 30.8' N 30° 43.9' E	F.G. (neon)	72 22	3	Framework tower, black trapezoidal daymark; 72.	Visible on range line only.
17940 <i>E 5103.1</i>	--Rear, 200 meters 327°36' from front.	46° 30.9' N 30° 43.8' E	F.R. (neon)	95 29	3	Framework tower, black trapezoidal daymark; 85.	Visible on range line only.
17944 <i>E 5102</i>	--Auxiliary Range, front.	46° 29.9' N 30° 44.8' E	F.I.G. period 1.5s fl. 0.5s, ec. 1s	33 10	3	Mast, white daymark, black stripe; 33.	Visible on range line only.
17948 <i>E 5102.1</i>	---Rear, about 2.2 km. 147°36' from front.	46° 28.8' N 30° 45.7' E	F.R. (neon)	131 40	4	Column, white daymark, black stripe; 49.	Visible on range line only.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
UKRAINE							
17952 <i>E 5091</i>	-W. breakwater, S. head.	46° 29.9' N 30° 44.4' E	L.F.I.G. period 6s fl. 2s, ec. 4s	39 12	2	White round concrete column; 33.	
17956 <i>E 5092</i>	--N. head.	46° 30.3' N 30° 44.2' E	L.F.I.R. period 6s fl. 2s, ec. 4s	39 12	3	White round concrete column; 33.	
17958 <i>E 5089</i>	-Potapovskiy, mole, head.	46° 29.8' N 30° 44.5' E	F.I.G. period 3s fl. 0.5s, ec. 2.5s	23 7	2	Green metal post; 16.	
17960 <i>E 5089.4</i>	--W. head.	46° 29.8' N 30° 44.4' E	Fl.Bu. period 3s fl. 0.5s, ec. 2.5s	23 7		Black round metal column; 16.	
17964 <i>E 5100</i>	--Mole T-head, SE. head.	46° 30.6' N 30° 44.3' E	Fl.Bu. period 3s	33 10	1	White round metal column; 26.	
17984 <i>E 5106</i>	Mys Severnyy Odesskiy.	46° 33.1' N 30° 49.7' E	Fl.W. period 5s fl. 1.5s, ec. 3.5s	184 56	16	Orange column on white round concrete tower; 33.	Reserve light range 8M.
17988 <i>E 5107</i>	Grigoryevskiy.	46° 35.9' N 31° 00.1' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	197 60	18	White round concrete tower, black can topmark, lower part truncated cone; 49.	Visible 272°-060°. Reserve light Fl.R. 5s 8M.
17992 <i>E 5108</i>	Sychavskiy.	46° 36.6' N 31° 06.9' E	Fl.W. period 4s fl. 1.5s, ec. 2.5s	144 44	15	Gray metal framework tower, on roof of white building; 33.	Reserve light range 8M.
18000 <i>E 5110</i>	Mys Karabush.	46° 37.0' N 31° 15.6' E	Oc.W. period 5s lt. 3s, ec. 2s	180 55	18	Gray concrete tower, black round daymark; 52.	Reserve light range 5M.
18008 <i>E 5116</i>	Ostrov Berezan'.	46° 35.9' N 31° 24.8' E	Fl.G. period 3.5s	105 32	4	Black masonry pillar; 36.	
DNEPROVSKIY LIMAN:							
18016 <i>E 5118</i>	-Berezan'-Ochakov Range, front.	46° 36.6' N 31° 32.5' E	Iso.R. period 3s	126 38	14	White round masonry tower, black stripe, round daymark; 63.	Visible 339°-159°. Reserve light Iso.W. 3s 3M.
18020 <i>E 5118.1</i>	--Rear, 820 meters 068° 54' from front.	46° 36.7' N 31° 33.0' E	Oc.R. period 6s	161 49	14	White round masonry tower, black stripe, round daymark; 66.	Visible 339°-159°. Reserve light Oc.W. 6s 4M. Signal station.
18024 <i>E 5126</i>	-Viktorovka Range, front.	46° 37.6' N 31° 27.0' E	F.R.	62 19	12	White round concrete tower, orange rectangular daymark; 56.	
18028 <i>E 5126.1</i>	--Rear, 4.6 km. 314°42' from front.	46° 39.3' N 31° 24.4' E	F.W.	135 41	18	White metal framework tower, orange rectangular daymark; 52.	Visible 255°-015°. A directional F.W. light shows on request on range.
18044 <i>E 5128</i>	-Fort Nicolaev Range, front.	46° 34.5' N 31° 33.6' E	F.R.	45 14	5	White round iron tower; 40.	Visible 060°-140°.
18048 <i>E 5128.1</i>	--Rear, 73 meters 092°36' from front.	46° 34.5' N 31° 33.5' E	F.W.R.G.	79 24	5	Black iron framework structure, concrete base, black rectangular daymark, white stripe; 85.	G. 060°-140°, R. 171°- 187°, W. 190°-262°.
18056 <i>E 5136.1</i>	Fifth Reach, W.	46° 35.4' N 31° 32.9' E	Iso.W. period 3s	92 28	10	Gray metal framework tower, concrete base, orange rectangular daymark, black stripe; 92.	Intensified 268°18'.
18058 <i>E 5124</i>	-Kinburnskaya Kosa.	46° 34.6' N 31° 30.8' E	Fl.W. period 3s	29 9	7	Black framework square metal tower; 26.	Radar reflector.
18060 <i>E 5137</i>	-Vostochnyy Range, front.	46° 35.7' N 31° 49.2' E	Q.W.	36 11	10	Gray iron tower, concrete base, black quadrangular daymark, white stripe; 52.	
18064 <i>E 5137.1</i>	--Rear, 3.5 km. 088°18' from front.	46° 35.7' N 31° 52.0' E	Iso.W. period 3s	88 27	10	Gray iron tower, concrete base, black quadrangular daymark, white stripe; 105.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
UKRAINE							
18068 <i>E 5130</i>	-Adzhigol'skiy Range, front.	46° 36.0' N 31° 38.8' E	Q.R.	55 17	10	Gray square concrete tower, black daymark, white stripe; 49.	
18072 <i>E 5130.1</i>	--Middle, 5.17 km., 069°06' from front.	46° 37.0' N 31° 42.5' E	Iso.W. period 4s	111 34	17	Red framework iron tower concrete base, black daymark, white stripe.	Visible on range line only.
18076 <i>E 5130.2</i>	--Rear, 9.95 km. 069°06' from front.	46° 37.9' N 31° 46.0' E	F.W.	220 67	23	Red framework tower, red square daymark; 79.	Visible on range line only.
18080 <i>E 5146</i>	-Adzhigol'skay Kosy Range, front.	46° 36.8' N 31° 47.9' E	Fl.R. period 2.5s fl. 0.5s, ec. 2s	26 8	2	White stone tower, black rectangular daymark, white stripe; 22.	Visible 280°-050° Shown when lighted buoys are withdrawn.
18084 <i>E 5146.1</i>	--Rear, 160 meters 350° from front.	46° 36.8' N 31° 47.8' E	Iso.W. period 4s	33 10	4	White stone tower, black rectangular daymark, white stripe; 29.	Visible 280°-050°.
18088 <i>E 5149</i>	-Stanislav Range, front.	46° 30.7' N 32° 09.1' E	F.R.	79 24	16	Red iron framework tower; 85.	Visible on range line only. Shown on request by day or in poor visibility.
18092 <i>E 5149.1</i>	--Rear, 6.49 km. 109° from front.	46° 30.0' N 32° 14.0' E	F.W.	221 67	19	Red iron framework tower; 211.	Visible on range line only. On request and in poor visibility.
REKA BUG:							
18095 <i>E 5181.9</i>	-Limanoozharskiy Range, front.	46° 38.2' N 31° 55.8' E	Q.W.	36 11	8	White concrete column, orange stripe; 36.	
18096 <i>E 5182</i>	--Mys Khablovskiy, middle, 4.8 km. 064°06' from front.	46° 39.0' N 31° 58.7' E	Iso.R. period 6s	111 34	10	White concrete column, red stripe; 36. Floodlit.	
			F.W.		5		
18100 <i>E 5182.1</i>	--Rear, 8.6 km. 064°06' from front.	46° 39.9' N 32° 01.9' E	F.W.	190 58	20	Red tower, black stripe; 79.	Channel marked by numerous range lights.
			F.W.		6		
REKA DNEPR:							
18164 <i>E 5152</i>	-Kizomys Range, front.	46° 33.8' N 32° 18.7' E	F.R. (neon)	49 15	12	Square daymark on white stone house; 19.	Visible on range line only.
18168 <i>E 5152.1</i>	--Rear, 1630 meters 075°54' from front.	46° 34.0' N 32° 20.0' E	F.W. (neon)	114 35	12	Red trapezoidal daymark on framework tower; 89.	Visible on range line only.
REKA RVACH							
18172 <i>E 5156</i>	-Malyy Kasperdskiy Entrance Range, front.	46° 33.3' N 32° 19.2' E	F.G. (neon)	37 11	2	Black daymarks, white stripe; 36.	Visible on range line only.
18176 <i>E 5156.1</i>	--Rear, 500 meters 096°12' from front.	46° 33.3' N 32° 19.5' E	F.G. (neon)	62 19	2	Black daymarks, white stripe; 62.	Visible on range line only.
TENDEROVSKAYA KOSA:							
18180 <i>E 5244</i>	-N. head.	46° 21.9' N 31° 31.9' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	89 27	8	Black framework tower; 66.	
18184 <i>E 5247</i>	-Tendrovskiy, S. side.	46° 15.8' N 31° 34.1' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	36 11	7	Framework tower; 33.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
UKRAINE							
18188 <i>E 5246</i>	-Tendrovskiy.	46° 19.0' N 31° 30.5' E	Oc.W. period 12s lt. 9s, ec. 3s	95 29	16	White round tower, black bands, black double ball daymark; 102.	Horn: 2 bl. ev. 20.5s.
	-RACON		TD(- - • •) period 30s		25		
18192 <i>E 5242</i>	-Kosa Belyye Kuchugury.	46° 14.8' N 31° 39.8' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	49 15	5	Framework tower; 39.	
18200 <i>E 5248</i>	Tendrovskiy-Zheleznyy.	46° 09.9' N 32° 04.3' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	43 13	9	Mast, black square daymark; 39.	Radar reflector.
18210 <i>E 5255</i>	Ostrov Dzharylhach.	46° 00.8' N 33° 03.9' E	Fl.R. period 5s		11		
18220 <i>E 5272</i>	Isaychava.	45° 41.6' N 33° 02.4' E	L.Fl.W. period 5s		11		Radar reflector.
18244 <i>E 5278</i>	Mys Tarkhankut.	45° 21.0' N 32° 29.8' E	Fl.(2)W. period 7.5s fl. 1.5s, ec. 1.5s fl. 1.5s, ec. 3s	117 36	17	White round masonry tower; 108.	Obscured 168°-287°. Horn: 3 bl. ev. 30s.
18248 <i>E 5280</i>	Popovka.	45° 17.7' N 33° 02.2' E	L.Fl.W. period 6s fl. 2s, ec. 4s	73 22	14	Framework tower, white rectangular daymark, black stripe; 46.	Radar reflector.
18249 <i>E 5279.5</i>	Donuzlev Range, front.	45° 22.2' N 33° 04.0' E	Iso.W. period 2s		13		
18249.1 <i>E 5279.51</i>	-Rear, 1.5 miles 052°30' from front.	45° 23.2' N 33° 05.8' E	Oc.W. period 5s		15		
18250 <i>E 5281</i>	Vitino.	45° 12.1' N 33° 09.2' E	Fl.W. period 4s	69 21	13	Black structure; 53.	
YEVAPATORIYSKIY:							
18252 <i>E 5282</i>	-Mys Yevpatoriyskiy.	45° 08.6' N 33° 15.8' E	Fl.(2)W. period 10s fl. 0.2s, ec. 2.4s fl. 0.2s, ec. 7.2s	174 53	20	White octagonal concrete tower; 170.	Visible 247°30'-123°48'. Reserve light Oc.(2)W. 12s 15M. Radiobeacon.
18258 <i>E 5285</i>	Solodunova.	45° 07.6' N 33° 31.3' E	Fl.(2)R. period 12s		15		Visible 150°-310°.
18260 <i>E 5287</i>	Nikolayevka.	44° 58.6' N 33° 36.0' E	Fl.R. period 3s		11		Visible 357°-167°.
18268 <i>E 5288</i>	Mys Lukull.	44° 50.0' N 33° 33.4' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	134 41	16	Red framework tower, white rectangular daymark, black stripe; 52.	
18269 <i>E 5293</i>	Mys Marhopulo.	44° 47.5' N 33° 32.1' E	Fl.R. period 3s		9		Radar reflector.
18270 <i>E 5300</i>	Lyubimovka.	44° 42.3' N 33° 33.0' E	Fl.W. period 5s		18		
18272 <i>E 5302</i>	Sevastopol, S. Range, front.	44° 37.1' N 33° 35.3' E	F.R.	298 91	18	White square stone building; 33.	Forms range 100°54' with Sevastopol N., front.
18273 <i>E 5302.1</i>	-Rear, 1.75 miles 094°30' from front.	44° 37.0' N 33° 37.8' E	F.W.	643 196	24	White square stone building; 33.	
18276 <i>E 5302.5</i>	-N. Range, front.	44° 37.7' N 33° 30.9' E	Oc.R. period 6s		14		Visible 042°-162°.
18278 <i>E 5303.5</i>	-Karantinnaya Bukhta Range, front.	44° 36.6' N 33° 30.0' E	Oc.G. period 2.3s		6		Other leading lights are shown in this bay.
18279 <i>E 5303.51</i>	--Rear, 100 meters 158°48' from front.	44° 36.6' N 33° 30.0' E	Oc.G. period 2.3s		6		Radar reflector.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
UKRAINE							
18280 <i>E 5304.7</i>	-Fishing Harbor Range, front.	44° 34.4' N 33° 25.7' E	F.R.	135 41	12	White round concrete tower, red stripe.	Visible 128°-188°. Reserve light 6M.
18281 <i>E 5304.71</i>	--Rear, 275 meters 158° from front.	44° 34.3' N 33° 25.8' E	F.R.	171 52	12	White round concrete tower, red stripe.	Visible 128°-188°.
18285 <i>E 5302.53</i>	-Inner harbor range, front.	44° 37.0' N 33° 35.3' E	Q.Y.		1		On request.
18286 <i>E 5302.535</i>	--Rear, 073°12' from front.	44° 37.0' N 33° 35.4' E	Q.Y.		2		On request.
18316 <i>E 5305.5</i>	Manganari.	44° 35.6' N 33° 25.0' E	Fl.G. period 3s		3		
18320 <i>E 5308</i>	Mys Khersonesskiy.	44° 34.8' N 33° 23.8' E	Mo.(SW)W. period 60s fl. 3s, ec. 3s fl. 3s, ec. 3s fl. 3s, ec. 6s fl. 3s, ec. 3s fl. 6s, ec. 3s fl. 6s, ec. 18s	111 34	16	White round stone tower; 118.	Nautophone: 2 bl. ev. 15s (bl. 3s, si. 2s, bl. 6s, si. 4s).
18324 <i>E 5309</i>	Mys Feilent.	44° 30.0' N 33° 29.0' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	551 168	12	Red metal framework tower; 14.	Visible 282°-148°.
18326 <i>E 5310</i>	Kayabashi.	44° 29.4' N 33° 33.3' E	Fl.W. period 4s fl. 1s, ec. 3s	988 301	19	Red framework tower, white rectangular daymark, black stripe; 36.	
18336 <i>E 5314</i>	Mys Sarych.	44° 23.3' N 33° 44.5' E	Iso.W. period 6s	125 38	17	White round metal tower; 35.	Visible 276°-120°. Horn.
18340 <i>E 5316</i>	Mys Aytodor.	44° 25.7' N 34° 07.4' E	Fl.(2)G. period 6s fl. 0.2s, ec. 1.3s fl. 0.2s, ec. 4.3s	285 87	24	White octagonal metal tower; 30.	Visible 232°-071°. Reserve light F.G. 10M. Radiobeacon.
18344 <i>E 5320</i>	Yalta, mole, head.	44° 29.5' N 34° 10.2' E	L.Fl.R. period 7.5s fl. 3s, ec. 4.5s	48 15	13	White stone tower; 39.	Reserve light range 4M.
18345 <i>E 5321</i>	Massandrovskiy Range, front.	44° 29.9' N 34° 12.3' E	F.R.	66 20	4	Red metal square skeleton tower, white rectangular daymark; 52.	Visible on range line only.
18345.1 <i>E 5321.1</i>	--Rear, 165 meters 047° from front.	44° 30.2' N 34° 12.5' E	F.R.	98 30	4	Red metal square skeleton tower, white rectangular daymark; 46.	Visible on range line only.
18356 <i>E 5326</i>	Alushta.	44° 40.1' N 34° 24.9' E	Fl.R. period 4s fl. 1s, ec. 3s	26 8	4	Red metal structure, white bands; 13.	Radar reflector.
18360 <i>E 5328</i>	Rybachiy.	44° 45.3' N 34° 34.8' E	Fl.W. period 7.5s fl. 1.5s, ec. 6s	425 130	18	Round white stone tower; 68.	
18364 <i>E 5329</i>	Sudakskiy.	44° 50.4' N 34° 58.4' E	Fl.R. period 5s fl. 1.5s, ec. 3.5s	75 23	15	Red square metal tower, white rectangular daymark, black stripe.	Reserve light Range 10M.
18368 <i>E 5330</i>	Mys Meganom.	44° 47.5' N 35° 04.8' E	Fl.(3)W. period 15s fl. 0.4s, ec. 2.8s fl. 0.4s, ec. 2.8s fl. 0.4s, ec. 8.2s	324 99	25	White octagonal masonry tower; 41.	Visible 238°-109°. Bell: 2 strokes.
18380 <i>E 5341</i>	Mys Kiik-Atlama.	44° 57.0' N 35° 23.0' E	Fl.R. period 5s	525 160	10	Gray concrete column, gray square daymark white band; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
UKRAINE							
FEODOSIYSKIY ZALIV:							
18384 <i>E 5340</i>	-Mys Il'inskiy.	45° 00.4' N 35° 25.6' E	L.Fl.(2)W. period 15s fl. 3s, ec. 3s fl. 3s, ec. 6s	216 66	21	Round brick tower; 49.	Visible 212°-016°.
18396 <i>E 5353</i>	Hora Dyurmen.	45° 02.6' N 35° 56.9' E	Fl.G. period 3s		12		Occasional.
18404 <i>E 5352</i>	Mys Chauda.	45° 00.1' N 35° 50.1' E	L.Fl.W. period 24s fl. 6s, ec. 18s	121 37	17	White octagonal tower, dwelling; 37.	
18408 <i>E 5358</i>	Mys Kyz-Aul.	45° 03.3' N 36° 22.0' E	Fl.W.R.G. period 6s	204 62	W. 21 R. 17 G. 13	White octagonal tower, black stripes; 92.	R. 253°-274°, W.-060°30', G.-070°.
18412 <i>E 5361</i>	-Mys Takil.	45° 05.9' N 36° 26.4' E	Fl.W. period 4s fl. 1s, ec. 3s	331 101	15	Black metal framework tower; 33.	
KERCHENSKIY PROLIV:							
18436 <i>E 5616</i>	-Mys Zheleznyy Rog (R.).	45° 06.3' N 36° 44.1' E	Iso.W. period 3s	246 75	22	Metal framework tower, black trapezoidal daymark; 52.	Radiobeacon.
18440 <i>E 5615</i>	-Mys Panagiya (R.).	45° 08.5' N 36° 38.6' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	236 72	7	Red metal column; 26.	
18448 <i>E 5370</i>	-Nijni Pavlovski Range, front.	45° 17.9' N 36° 26.9' E	F.R.	213 65	15	White octagonal stone tower, red stripe; 56.	Visible on range line only.
18452 <i>E 5370.1</i>	--Verkhni Pavkobski, rear, 640 meters 356°36' from front.	45° 18.6' N 36° 27.1' E	F.R.	344 105	15	Metal framework tower, black square daymark; 49.	Visible on range line only.
18456 <i>E 5373</i>	-Pavlovski Sekushchiye Range, front.	45° 18.5' N 36° 29.0' E	Iso.R. period 4s	45 14	2	Black triangular daymark, point up, on white square daymark, black stripe; 19.	Visible on range line only. Seasonal.
18460 <i>E 5373.1</i>	--Rear, 590 meters 355°30' from front.	45° 18.7' N 36° 29.0' E	F.R.	87 27	2	White rectangular daymark, black stripe; 23.	Visible on range line only. Seasonal.
18476 <i>E 5372</i>	-Bukhta Kamysh-Burunskaya Range, front, W. side entrance.	45° 14.0' N 36° 25.0' E	F.G.	98 30	8	White octagonal stone tower; 53.	Visible on range line only.
18480 <i>E 5372.1</i>	--Rear, 1,481 meters 217°30' from front.	45° 13.8' N 36° 24.2' E	F.G.	157 48	8	White octagonal stone tower; 36.	Visible on range line only.
	-329°.		F.R.	157 48	10		Visible on range line only.
18492 <i>E 5374</i>	-Kamysh Burunskiy Range, front.	45° 16.4' N 36° 24.3' E	F.R.	105 32	10	White octagonal concrete tower on building; 39.	Visible on range line only.
18496 <i>E 5374.1</i>	--Churubashskiy, rear, 9.3 km. 246°48' from front.	45° 15.0' N 36° 18.0' E	F.W.	415 126	20	Metal framework tower, black rectangular daymark, red stripe; 102.	Visible 240°48'-252°48'.
18552 <i>E 5376</i>	-Tamanskiy Range (R.), front.	45° 22.1' N 36° 43.3' E	Fl.W. period 3s fl. 1s, ec. 2s	72 22	15	Metal framework tower, white rectangular daymark, red stripe; 69.	Visible 180°30'-187°30'.
			F.R.		18		Visible on range line only.
18556 <i>E 5376.1</i>	--Rear, 7.0 km. 066°48' from front.	45° 24.1' N 36° 48.5' E	F.W.	197 60	25	Metal framework tower, black rectangular daymark, red stripe; 141.	Visible on range line only. Reserve light F.W. 8M.
18558 <i>E 5378</i>	-Chushkinskiy Range, front.	45° 18.8' N 36° 38.3' E	F.R.	43 13	12	White tower; 59.	Intensified on range line.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
UKRAINE							
18559 <i>E 5378.1</i>	--Rear, 370 meters 194°18' from front.	45° 18.3' N 36° 38.1' E	F.R.	75 23	12	White tower; 79.	Intensified on range line.
18560 <i>E 5422</i>	-Yenikal'skiy.	45° 22.8' N 36° 38.1' E	Fl.(3)W.R. period 14s fl. 0.3s, ec. 2.6s fl. 0.3s, ec. 2.6s fl. 0.3s, ec. 7.9s	404 123	W. 27 R. 20	White round stone tower 88.	W. 159°-234°, R.-309°30', W.-039°30', obscured elsewhere. Radiobeacon.
AZOVSKOYE MORE (SEA OF AZOV)							
18600 <i>E 5429</i>	Mys Zyuk.	45° 28.9' N 36° 20.7' E	Fl.W. period 6s fl. 1s, ec. 5s	144 44	16	Metal framework structure, black rectangular shield; 42.	Seasonal.
18604 <i>E 5430</i>	Mys Kazantip.	45° 28.0' N 35° 52.0' E	Fl.W. period 7.5s fl. 1.5s, ec. 6s	321 98	18	Triangular tower, black rectangular daymark; 13.	
18608 <i>E 5436</i>	Ostrov Biryuchiy.	46° 05.0' N 34° 59.0' E	Fl.(2)W. period 7.5s fl. 1.5s, ec. 1.5s fl. 1.5s, ec. 3s	88 27	15	White octagonal masonry tower; 82.	
18628 <i>E 5448</i>	Novokonstantinovskiy.	46° 34.4' N 35° 42.7' E	Fl.W. period 6s		16	Metal framework tower; 33.	
18632 <i>E 5452</i>	Obitochnaya Kosa.	46° 29.2' N 36° 06.2' E	Fl.W. period 8s fl. 1.5s, ec. 6.5s	43 13	10	Red square daymark; 39.	
18640 <i>E 5454</i>	Nizhniy Berdyanskiy.	46° 38.2' N 36° 45.8' E	Oc.W. period 7.5s lt. 4.5s, ec. 3s	78 24	15	White octagonal stone tower on white two-story dwelling, red band.	Radiobeacon.
	RACON		N(— •) period 30s		17		
18648 <i>E 5458</i>	Berdyanski Verkhniy.	46° 45.6' N 36° 45.6' E	Fl.(3)R. period 9.4s fl. 0.3s, ec. 1.6s fl. 0.3s, ec. 1.6s fl. 0.3s, ec. 5.3s	236 72	19	White octagonal tower, red bands; 108.	Visible 280°-070°.
18652 <i>E 5460</i>	-Detached breakwater, NW. head.	46° 44.5' N 36° 45.9' E	Fl.G. period 3s	39 12	3	STARBOARD (A) G, beacon, topmark; 36.	Radar reflector.
18656 <i>E 5462</i>	-Detached breakwater, SE. head.	46° 44.3' N 36° 46.3' E	Fl.R. period 3s fl. 1s, ec. 2s	31 9	3	Red metal column; 20.	
18660 <i>E 5464</i>	-Range, front.	46° 44.8' N 36° 46.4' E	2 F.R. (vert.)	95 29	12	Framework structure, white rectangular daymark, black stripe; 95.	Visible on range line only. Auxiliary sector light, range 11M, F.R.(occas.) visible on range line, Fl.R. 2s visible W. of range line, Oc.R. 2s visible E. of range line.
18664 <i>E 5464.1</i>	--Rear, 1.3 km. 040°48' from front.	46° 45.4' N 36° 47.0' E	2 F.R. (vert.)	207 63	12	White diamond over square daymark, black stripe.	Visible on range line only.
18668 <i>E 5465</i>	Petrovskoi.	46° 49.1' N 36° 54.5' E	L.Fl.W. period 6s fl. 2s, ec. 4s		15		
TAGANROGSKIY ZALIV:							
18680 <i>E 5472</i>	-Belosarayskiy Zaliv.	46° 52.9' N 37° 19.5' E	Oc.(2)W. period 12s lt. 3s, ec. 1.5s lt. 3s, ec. 4.5s	70 21	14	White octagonal tower; 63.	Radiobeacon.
	-RACON		B(— • • •) period 30s		17		

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
AZOVSKOYE MORE (SEA OF AZOV)							
18684 <i>E 5576</i>	-Kosa Dolgaya, N. head.	46° 40.8' N 37° 44.6' E	Fl.W. period 7.5s fl. 1.5s, ec. 6s	23 7	11	Black round metal column; 20.	
-Port Mariupol:							
18716 <i>E 5492</i>	--S. mole, head.	47° 03.0' N 37° 31.4' E	Fl.R. period 3s	29 9	7	Red hexagonal tower and dwelling; 29.	
18720 <i>E 5490</i>	--N. mole, head.	47° 03.1' N 37° 31.5' E	Fl.G. period 3s	30 9	5	Green hexagonal tower; 19.	
18724 <i>E 5484</i>	--E. Entrance Range, front.	47° 03.8' N 37° 30.8' E	Iso.R. period 2s	66 20	10	Metal framework tower, white round daymark; 62.	Visible on range line only.
18728 <i>E 5484.1</i>	---Rear, 700 meters 331°36' from front.	47° 04.1' N 37° 30.5' E	F.R.	133 41	10	Square tower on white brick dwelling; 42.	Visible on range line only.
-Mariupol:							
18732 <i>E 5478</i>	--W. Entrance Range, front.	47° 03.3' N 37° 30.4' E	2 F.G. (vert.)	89 27	14	Black framework tower, white square daymark.	Visible on range line only. F.G. 14M (vertical strip) between Iso.W. and 2 F.G. (vert.) lights.
			Iso.W. period 2s	62 19	14	White reflector.	
18736 <i>E 5478.1</i>	---Middle, 0.92 mile 012°18' from front.	47° 04.2' N 37° 30.7' E	F.R.	187 57	18	White square tower on white two-story building; 77.	May be obscured within 4M. F.R. 5M (vertical strip) also visible.
			Oc.R. period 4.5s		14		
			F.Fl.R. period 4.5s				
18740 <i>E 5478.2</i>	---Rear, 1.55 miles 012°18' from front.	47° 04.8' N 37° 30.9' E	2 F.R. (vert.)	282 86	22	Black metal framework tower; 69.	Visible on range line only.
18744 <i>E 5482</i>	--Elbow of Vostochnyy Mole.	47° 02.9' N 37° 30.3' E	Fl.G. period 3s fl. 1s, ec. 2s	39 12	3	Black metal column, round daymark, white reflector; 36.	Radar reflector.
18745 <i>E 5483</i>	--Zapadnyy mole, NE. head.	47° 02.9' N 37° 30.2' E	Fl.R. period 3s	26 8	1	Red metal column; 20.	
18746 <i>E 5483.2</i>	---SW. head.	47° 02.7' N 37° 30.0' E	F.R.	20 6	1	Red metal column; 13.	Radar reflector.
18748 <i>E 5500</i>	--Razdelitel'nogo Pirsu.	47° 03.3' N 37° 30.5' E	Fl.R. period 1.5s	30 9	1	Red metal column; 23.	
18749 <i>E 5501</i>	--Khlebnaya Havan.	47° 03.4' N 37° 30.6' E	Fl.R. period 3s		1		
18750 <i>E 5502</i>	--Remontnyy Basseyn, entrance, E. side.	47° 03.7' N 37° 31.1' E	Fl.G. period 3s	30 9	1	Green metal column; 23.	
18751 <i>E 5504</i>	---W. side.	47° 03.7' N 37° 30.9' E	F.R.	26 8	1	Red metal column; 23.	
-Port Azovstal:							
18752 <i>E 5516</i>	--E. breakwater, elbow.	47° 04.9' N 37° 34.9' E	Fl.G. period 3s	36 11	2	Green round metal column; 26.	Radar reflector.
18756 <i>E 5510</i>	--Approach Channel Range, front.	47° 05.2' N 37° 35.2' E	F.G.	72 22	8	Framework tower, white rectangular daymark; 72.	Visible on range line only.
18760 <i>E 5510.1</i>	---Middle, 0.84 mile 044° from front.	47° 05.8' N 37° 36.1' E	F.G.	174 53	8	Framework tower, white rectangular daymark; 121.	Visible on range line only.
18764 <i>E 5510.2</i>	---Rear, 1.7 miles 044° from front.	47° 06.4' N 37° 36.9' E	F.G.	217 66	8	Framework tower, white rectangular daymark; 112.	Visible on range line only.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
AZOVSKOYE MORE (SEA OF AZOV)							
18776 <i>E 5520</i>	Kryva Kosa.	47° 03.0' N 38° 08.0' E	Fl.W. period 7.5s fl. 1.5s, ec. 6s	59 18	13	Red metal framework tower, red round daymark; 52.	
18880 <i>E 5578</i>	Kamyshevatskaya.	46° 23.9' N 37° 55.1' E	Fl.W. period 13s fl. 1s, ec. 12s	95 29	16	White concrete tower, white shield, red band; 49.	
18896 <i>E 5586</i>	Akhtarskiy.	46° 06.3' N 38° 10.8' E	Fl.W. period 6s fl. 1.5s, ec. 4.5s	85 26	15	White octagonal stone tower; 67. Visible 080°-170°.	
18904 <i>E 5594</i>	Achuyev, Reka Sladkoye, entrance, S. side.	45° 41.1' N 37° 38.7' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	54 16	8	Black iron framework tower and hut; 49.	
18928 <i>E 5606</i>	-Tyemryuk.	45° 19.8' N 37° 14.0' E	Fl.W.R. period 7.5s fl. 1.5s, ec. 6s	226 69	W. 20 R. 13	White octagonal tower; 46.	W. 105°-134°, R.-170°, W.-270°, Radiobeacon.

Section 13

Russia, Georgia, Turkey and Islands of the Eastern Aegean Sea Including Dhodhekanisos

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
RUSSIA							
18936 <i>E 5428</i>	Mys Akhilleon.	45° 26.4' N 36° 47.2' E	Iso.R. period 6s	207 63	17	Framework tower, black square daymark; 66.	
18940 <i>E 5616.5</i>	Yantarny.	45° 06.8' N 36° 52.6' E	Fl.W. period 10s	99 30	16	Red iron framework tower; 20.	
18941 <i>E 5617.2</i>	Kubanskiy.	45° 03.5' N 37° 04.1' E	Fl.W. period 6s	121 37	12	White framework supports, black rectangular daymark; 39.	
18942 <i>E 5617.5</i>	Blagoveshchenskiy.	44° 59.4' N 37° 14.2' E	Fl.W. period 5s		8		Radar reflector.
ANAPA:							
18944 <i>E 5618</i>	-Mys Anapskiy.	44° 52.9' N 37° 17.7' E	L.Fl.(2)R. period 15s fl. 3s, ec. 3s fl. 3s, ec. 6s	144 44	15	Black truncated pyramid; 66.	Radiobeacon.
18964 <i>E 5632</i>	Ostrov Utrish.	44° 45.5' N 37° 22.7' E	Iso.W. period 3s	84 26	15	White tower; 57.	Reserve light range 6M, visible 127°-340°.
18972 <i>E 5632.5</i>	Mys Vtrishenok.	44° 42.4' N 37° 27.4' E	L.Fl.W. period 7s	43 13	12	Framework tower, white rectangular daymark; 39.	
18976 <i>E 5633</i>	Ozereyevskiy, river mouth, E.	44° 40.2' N 37° 38.4' E	Fl.(2)W.R. period 6s	125 38	W. 14 R. 9	White tower; 23.	W. shore-320°, R.-048°, W.-shore.
18978 <i>E 5634</i>	Mole, head.	44° 40.1' N 37° 39.4' E	Fl.(2)R. period 3s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 1.5s		2		
NOVOROSSISYKAYA BUKHTA:							
18980 <i>E 5639</i>	-Kosa Sudzhukskaya, SE. of shoal.	44° 39.8' N 37° 49.5' E	Fl.(2)R. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	38 12	9	White round masonry tower, gray stone base; 43.	Radar reflector.
18984 <i>E 5636</i>	-Mys Doobskiy.	44° 37.2' N 37° 54.3' E	Fl.(3)W. period 16.5s	328 100	21	White octagonal tower; 75.	Visible 325°-152°. Reserve light Oc.W. 7.5s 6M. Nautophone: 3 bl. ev. 20s. Radiobeacon.
18988 <i>E 5640</i>	-Kabardinskiy Range, front.	44° 38.1' N 37° 55.2' E	Iso.R. period 4s	59 18	7	Quadrangular iron framework structure, white daymark; 29.	
18992 <i>E 5640.1</i>	--Middle, 305 meters 130° from front.	44° 38.1' N 37° 55.2' E	Iso.R. period 4s	125 38	7	Quadrangular iron framework structure, white daymark; 33.	Visible on range line only.
18996 <i>E 5640.2</i>	--Rear, 0.65 km. 130° from front.	44° 38.3' N 37° 55.9' E	Iso.R. period 4s	295 90	7	Quadrangular iron framework structure, white daymark; 30.	
19000 <i>E 5638</i>	-Mys Penay Range, front.	44° 40.4' N 37° 52.6' E	Iso.G. period 3s	108 33	9	Metal framework tower, white quadrangular shield, red stripe; 66.	Visible 305°-128°. Reserve light Iso.G. 3s 4M.
19004 <i>E 5638.1</i>	--Rear, 425 meters 001°54' from front.	44° 41.0' N 37° 52.9' E	Iso.G. period 3s	193 59	9	Metal framework tower, white quadrangular shield, red stripe; 33.	Visible on range line only. Reserve light Iso.G. 3s 7M.
19008 <i>E 5642.8</i>	-Fishing cannery, Pier "1".	44° 41.7' N 37° 47.5' E	F.G.	17 5	1	Gray post; 8.	F.Y. marks pier 140 meters NNE.
19016 <i>E 5643</i>	-Mys Lyubvi.	44° 42.4' N 37° 47.3' E	F.R.	66 20	2	Yellow building; 49.	Visible 244°-296°. F.G. 1M on jetties 0.7 mile SSE.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
RUSSIA							
19020 <i>E 5643.5</i>	-Mole, head.	44° 43.3' N 37° 49.3' E	F.G.		36 11	2	White round metal column; 16.
19021 <i>E 5642.3</i>	-Pier, head.	44° 43.4' N 37° 48.6' E	F.R.			1	
19022 <i>E 5642.4</i>	-Wharf, SE. corner.	44° 43.4' N 37° 48.8' E	Fl.R. period 3s			1	
19023 <i>E 5642.5</i>	-Wharf, S. corner.	44° 43.4' N 37° 48.9' E	Fl.G. period 3s			1	
19024 <i>E 5642</i>	-Vostochnyy Mol Range, front.	44° 43.3' N 37° 48.1' E	Iso.G. period 3s	79 24	10	Round concrete tower, red and white bands; 70.	Nautophone: 5 bl. ev. 60s. (bl. 3s, si. 4s, bl. 8s, si. 4s, bl. 8s, si. 4s, bl. 8s, si. 4s, bl. 2s, si. 15s).
			Iso.G. period 3s	52 16	10		Visible on range line only.
19028 <i>E 5642.1</i>	-Rear , 2.85 km. 334°12' from front.	44° 45.2' N 37° 47.1' E	Oc.G. period 6s lt. 4.5s, ec. 1.5s	250 76	16	White square stone structure, red stripe; 44.	Visible 321°42'-346°42'.
19030 <i>E 5642.2</i>	-New Mole, head.	44° 43.1' N 37° 48.3' E	Fl.G. period 3s			2	
19032 <i>E 5644</i>	-W. mole, head.	44° 43.4' N 37° 47.8' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	39 12	4	Red concrete column; 26.	
19034	-Cabotage Mol, NE. corner.	44° 43.3' N 37° 47.1' E	F.G.			1	
19036 <i>E 5653.3</i>	--Spur.	44° 43.3' N 37° 47.1' E	F.G.	23 7	1	White round metal column; 13.	
19040 <i>E 5646.2</i>	-Head of pier, N. of E. mole.	44° 43.7' N 37° 48.2' E	F.G.	29 9	1	Round white metal column; 19.	
19044 <i>E 5645</i>	-"SRZ" Pier, NW. corner.	44° 43.7' N 37° 48.3' E	F.G.	23 7	1	Concrete structure; 20.	
19048 <i>E 5646</i>	-Importnyy Pir, SE. corner, head.	44° 43.7' N 37° 48.2' E	F.G.	30 9	1	White metal column; 20.	
19049 <i>E 5647</i>	-Pier No. "1", NE. corner.	44° 43.8' N 37° 47.5' E	F.G.	23 7	1	White round metal column; 13.	
19051 <i>E 5647.2</i>	--SW. corner.	44° 43.7' N 37° 47.4' E	F.G.	23 7	1	White round metal column; 13.	
19051.6	-Pier No. "5", head.	44° 43.6' N 37° 46.9' E	F.G.			2	
19052 <i>E 5652.6</i>	-Cold storage wharf, NE corner.	44° 43.5' N 37° 46.8' E	F.G.	20 6	1	White metal column; 13.	
19056 <i>E 5652.62</i>	-- SW. corner.	44° 43.4' N 37° 46.7' E	F.G.	20 6	1	White metal column; 13.	
19058 <i>E 5653.75</i>	-Pier, N. side.	44° 43.0' N 37° 49.9' E	F.G.	23 7	4	White round metal column; 16.	
19058.2 <i>E 5653.8</i>	-Pier, NW. side.	44° 43.0' N 37° 50.0' E	F.R.	26 8	2	White metal column, red bands; 13.	
19059 <i>E 5653.7</i>	-Pier, SW. elbow.	44° 42.9' N 37° 50.0' E	F.W.	36 11	3	White round metal column; 26.	
19068 <i>E 5654</i>	-Sheskhari Gavan', N. pier.	44° 42.1' N 38° 49.9' E	F.G.	72 22	1	Black rectangular framework tower; 33.	A light is shown at each of N. and S. corners of head of pier and at root.
19072 <i>E 5654.44</i>	--SW. pier, head.	44° 42.0' N 37° 50.0' E	Fl.G. period 6s fl. 1s, ec. 5s	46 14	2	White metal column; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
RUSSIA							
GELENDZHIKSHKAYA BUKHTA:							
19076 <i>E 5656</i>	-Gelendzhikskiy Vkhodnoy.	44° 33.1' N 38° 03.0' E	Fl.(2)W. period 15s	92 28	21	White round concrete tower; 40.	Visible 321°-220°. Reserve light range 5M.
19090 <i>E 5664.8</i>	Arkhipo-Osipovka.	44° 21.4' N 38° 31.1' E	Fl.W. period 3s fl. 1s, ec. 2s		8		Visible 292°-098°.
19097 <i>E 5665</i>	Range, front.	44° 20.3' N 38° 35.9' E	Fl.R. period 3s	52 16	2	White tower, black stripes; 36.	Rear light Iso.R. 4s 4M 030°24' from front.
19100 <i>E 5666</i>	Dzhubga.	44° 18.3' N 38° 42.4' E	L.Fl.R. period 6s	36 11	15	White round metal hut on masonry base; 10.	Visible 332°-098°. Reserve light Fl.R. 3s 5M.
19104 <i>E 5667.4</i>	Mys Gryaznova.	44° 11.3' N 38° 53.2' E	L.Fl.W. period 7s		20	Beacon.	
TUAPSE:							
19108 <i>E 5668</i>	-Mys Kodosh.	44° 05.5' N 39° 01.9' E	Fl.(3)W. period 14.2s fl. 0.4s, ec. 2.5s fl. 0.4s, ec. 2.5s fl. 0.4s, ec. 8s	203 62	21	White octagonal tower, dwelling; 46.	Visible 313°-129°. Radiobeacon.
19112 <i>E 5670</i>	-Yuzhnyy Mol, head.	44° 05.2' N 39° 04.2' E	Fl.G. period 3s	36 11	2	Green metal framework tower; 20.	
19116 <i>E 5672</i>	-Yugozapadnyy Volnolom, SE. end.	44° 05.2' N 39° 04.0' E	Fl.R. period 3s	43 13	2	Red metal framework tower; 20.	
19120 <i>E 5674</i>	-Novyy Port Entrance Range, front.	44° 05.7' N 39° 04.2' E	F.Bu.	63 19	3	Metal framework structure, trapezoidal daymark; 56.	Visible on range line only. Auxiliary light F. Fl.R. 2s 3M.
F.G.							
19124 <i>E 5674.1</i>	--Rear, about 274 meters 006°30' from front.	44° 05.8' N 39° 04.1' E	F.R.	121 37	4	Metal framework structure, white trapezoidal daymark; 36.	Visible on range line only.
F.Bu.							
F.G.							
19126 <i>E 5682</i>	Ashe.	43° 58.4' N 39° 14.9' E	Fl.W. period 3s fl. 1s, ec. 2s	161 49	10	On building.	Visible 325°-120°.
19128 <i>E 5684</i>	Lazarevskoye.	43° 53.8' N 39° 20.4' E	Fl.W. period 6s fl. 1.5s, ec. 4.5s	315 96	20	Metal framework tower, white rectangular daymark, black stripe; 46.	Visible 323°-130°. Reserve light Fl. 3s 12M. Radar reflector.
19130 <i>E 5685</i>	Mys Uche-Dere.	43° 40.0' N 39° 36.7' E	Fl.W. period 2s fl. 0.2s, ec. 1.8s	105 32	9	Red framework tower on hexagonal pedestal.	
SOCHI:							
19132 <i>E 5686</i>	-Sochi Range, front.	43° 34.3' N 39° 43.0' E	F.R.	120 37	17	White tower, dwelling; 49.	Visible 296°-161°, partially obscured by trees 149°-161°.
19136 <i>E 5688</i>	--Rear, 540 meters 356°48' from front.	43° 34.8' N 39° 42.6' E	F.G.	89 27	10	Black metal structure, white triangular daymark, black stripe; 55.	Visible 299°-054° Shown on request.
19140 <i>E 5689</i>	-Severnnyy, N. mole, head.	43° 34.2' N 39° 42.7' E	Fl.R. period 2s	66 20	2	Round tower; 52.	
19148 <i>E 5690</i>	-Yuzhnyy, S. mole, head.	43° 34.2' N 39° 42.8' E	Fl.G. period 2s	43 13	2	Green framework tower; 33.	
19152 <i>E 5687.9</i>	-Entrance Range, front, N. mole, root.	43° 35.0' N 39° 43.0' E	F.G.	43 13	10	White rectangular shield, black center stripe; 33.	Storm signals. Shown on request. Visible 332°-022°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
RUSSIA							
19156 <i>E 5688.1</i>	-W. edge of channel Range, front, N. mole, root.	43° 34.9' N 39° 43.0' E	F.R.		43 13	3 Black metal mast, red triangular daymark, point down; 26.	Lights in line 359°43'.
19160 <i>E 5688.2</i>	-Channel, E. edge.	43° 34.9' N 39° 43.0' E	F.R.		43 13	3 Black metal mast, red triangular daymark, point down; 26.	Lights in line 354°12'.
REYD ADLER:							
19164 <i>E 5698</i>	-Mys Adlerskiy.	43° 25.3' N 39° 55.3' E	Fl.(2)R. period 8s fl. 1s, ec. 2s fl. 1s, ec. 4s		35 11	13 Metal framework tower, white lantern, red stripe; 24.	Visible 330°-130°. Reserve light Al.Fl.R.G. 8.6s 11M. Radar reflector.
GEORGIA							
19168 <i>E 5700</i>	Leselidze.	43° 23.1' N 40° 01.3' E	Fl.R. period 4.5s fl. 1.5s, ec. 3s		95 29	10 Lantern on white chimney with ladder and platform; 79.	Visible 285°-094°. Radar reflector.
GAGRINSKIY REYD:							
19172 <i>E 5706</i>	-Gagrinskiy.	43° 19.7' N 40° 12.9' E	Fl.(2)W. period 5s		262 80	18	Visible 341°18'-105°30'.
19176 <i>E 5708</i>	-Range, front.	43° 19.5' N 40° 13.6' E	F.R.			3	
19180 <i>E 5708.1</i>	--Rear, 026° from front.	43° 19.5' N 40° 13.6' E	F.R.			3	
19192 <i>E 5718</i>	Mys Pitsunda.	43° 08.8' N 40° 20.6' E	Fl.(2)W. period 10.2s fl. 0.2s, ec. 2.1s fl. 0.2s, ec. 7.7s		118 36	19 White framework tower; 101.	Visible 269°-150°.
19200 <i>E 5721</i>	Bambora.	43° 05.6' N 40° 35.4' E	Fl.W. period 3s fl. 1s, ec. 2s		125 38	16 Lantern on roof of building; 115.	Visible 275°-085°.
19204 <i>E 5724</i>	Gudauty, W. end of village.	43° 05.9' N 40° 38.0' E	Fl.(2)R. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s		53 16	6 Framework structure, red hut, white stripe, surmounted by a rectangular shield, white stripe; 13.	Visible 308°-041°.
19206 <i>E 5724.5</i>	Novyy Afon.	43° 05.1' N 40° 49.1' E	Oc.W. period 6s lt. 4s, ec. 2s		108 33	10 On roof of building; 72.	Visible 282°-093°.
19208	Novo Afonskogo, monastery, pier, head.	43° 05.0' N 40° 51.0' E	2 F.W.		35 11		Shown when regular steamships are due.
19209 <i>E 5725</i>	Eshera.	43° 00.9' N 40° 56.2' E	L.Fl.W. period 6s fl. 2s, ec. 4s		108 33	14 On roof of building; 89.	Visible 332°-130°.
SUKHUMI:							
19212 <i>E 5726</i>	-Mys Sukhumskiy.	42° 58.5' N 40° 58.0' E	L.Fl.(2)W. period 15s fl. 3s, ec. 3s fl. 3s, ec. 6s		121 37	17 White round metal tower; 111.	Visible 236°42'-115°42', faintly to 127°.
19214 <i>E 5727</i>	-Middle pier Range, front.	42° 59.8' N 41° 01.4' E	F.G.		46 14	3 White triangular daymark over white pentagon daymark, on roof; 19.	Visible on range line only. Bell.
19214.1 <i>E 5727.1</i>	--Rear, 120 meters 352°48' from front.	42° 59.9' N 41° 01.4' E	F.G.		56 17	3 Mast, white pentagon daymark; 49.	Visible on range line only.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GEORGIA							
19216 <i>E 5728</i>	-Range, front, SE. extremity of facade of fort, front.	42° 59.9' N 41° 01.2' E	F.R.	43 13	4	Metal post, white stripe on concrete base, rectangular daymark, red cone topmark, point up; 36.	Visible on range line only. Storm signals.
19220 <i>E 5728.1</i>	--Rear, 95 meters 285°36' from front.	42° 59.9' N 41° 01.2' E	F.R.	52 16	4	Metal post, white stripe on concrete base, rectangular daymark, red cone topmark, point down; 33.	Visible on range line only.
19228 <i>E 5734</i>	Mys Kodori.	42° 50.8' N 41° 06.4' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	75 23	13	Black 4-sided framework tower, white rectangular daymark with black median stripe and black border.	Visible 330°-170°. Radar reflector.
19232 <i>E 5736</i>	Akhail Kindgi.	42° 47.2' N 41° 17.6' E	Oc.W. period 12s		12		Visible 325°-090°.
OCHAMCHIRE:							
19236 <i>E 5742</i>	-Ochamchire.	42° 40.7' N 41° 28.8' E	Fl.W. period 3s fl. 1s, ec. 2s	65 20	13	White framework tower; 59.	Visible 344°-157°.
19252 <i>E 5744</i>	Gagida.	42° 31.0' N 41° 31.9' E	Fl.W. period 2s	49 15	10	White rectangular framework tower; 39.	Visible 354°-172°.
19256 <i>E 5746</i>	Anaklia, Reka Ingur, entrance.	42° 23.6' N 41° 31.2' E	Iso.W. period 3s	51 16	12	Red square metal tower, white triangular daymark, black stripe, point up; 42.	Visible 330°-161°.
POTI:							
19277 <i>E 5762</i>	-Entrance Range, front.	42° 09.6' N 41° 38.9' E	F.R.	43 13	5	White square framework tower, white rectangular daymark, red stripe; 42.	Horn: 2 bl. ev. 54s (bl. 6s, si. 12s, bl. 6s, si. 30s).
19277.1 <i>E 5762.1</i>	--Rear, 300 meters 129° from front.	42° 09.5' N 41° 39.1' E	F.R.	66 20		Square framework tower with gallery, white rectangular daymark, red stripe.	
19280 <i>E 5749</i>	-Inner Range, front, S. mole, root.	42° 09.1' N 41° 39.2' E	F.G.	36 11	6	Orange rectangular daymark, black stripe; 49.	Visible 153°54'-163°54'.
19284 <i>E 5749.1</i>	-- Potiyskiy , rear, 1.93 km. 158°54' from front.	42° 07.6' N 41° 39.3' E	Al.Fl.W.R. period 7.5s W. fl. 0.2s, ec. 1.6s R. fl. 0.2s, ec. 5.5s	118 36	W. 17 R. 16	White round metal tower, red bands; 121. Floodlit.	Visible 268°-167°, 170°-207°.
19288 <i>E 5760</i>	-Outer breakwater, head.	42° 09.6' N 41° 38.8' E	Fl.W.G. period 3s fl. 0.5s, ec. 2.5s	43 13	W. 7 G. 4	Round silver metallic tower; 26.	W. 012°30'-116°, G.-012°30'.
19296 <i>E 5762.2</i>	-N. breakwater, S. spur, head.	42° 09.2' N 41° 38.7' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	23 7	1	White square tower; 16.	
19300 <i>E 5763</i>	-Near center of harbor.	42° 09.1' N 41° 38.7' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	23 7	1	White octagonal tower; 16.	
19304 <i>E 5761</i>	-Elbow of breakwater, entrance, W. side.	42° 08.9' N 41° 38.6' E	Fl.Bu. period 4s fl. 0.5s, ec. 3.5s	23 7	3	White iron framework structure; 16.	Visible 163°12'-003°12'.
19312 <i>E 5763.44</i>	Grigoleti.	42° 02.2' N 41° 44.3' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	39 12	8	Orange quadrangular, white stripe on red tower; 30.	Visible 345°-152°
19313 <i>E 5763.6</i>	<i>Supsa SPM.</i>	42° 01.8' N 41° 42.4' E	Mo.(U)W. period 15s		10		Horn: Mo.(U) ev. 30s.
RACON							
19314 <i>E 5764</i>	Natanebi.	41° 58.1' N 41° 45.8' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	49 15	7	Metal framework structure, white rectangular shield, red stripe; 39.	Visible 357°-166°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GEORGIA							
19320 <i>E 5765</i>	Kobuleti.	41° 51.1' N 41° 46.7' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	121 37	15	Lantern on building; 98.	Visible 018°-185°.
BATUMI:							
19324 <i>E 5768</i>	-Bukhta Batumiyskaya, on Mys Burun Tabiya.	41° 39.0' N 41° 38.1' E	Fl.(2)R. period 6s fl. 0.2s, ec. 1.3s fl. 0.2s, ec. 4.3s	65 20	14	White octagonal masonry tower, dwelling; 57.	Visible 065°-310°. Nauphone: 5 bl. ev. 60s.
19328 <i>E 5772</i>	-Petroleum Harbor Range, front.	41° 38.6' N 41° 38.6' E	F.W.R.G.	42 13	11	White round tower, black bands; 36.	W. 020°-149°, G.-176°, R.-260°.
19332 <i>E 5772.1</i>	--Rear, 1,300 meters 172°24' from front.	41° 38.3' N 41° 39.1' E	Fl.R. period 3s	130 40	12	Black truncated pyramid, white wings; 16.	Visible on range line only.
19334 <i>E 5773</i>	- Range, front.	41° 39.0' N 41° 39.0' E	F.Bu.	72 22	4	White metal framework structure, black rectangular daymark, white stripe; 62.	Visible on range line only.
19334.1 <i>E 5773.1</i>	-- Rear, 330 meters 166°18' from front.	41° 38.8' N 41° 39.1' E	F.Bu.	85 26	4	White metal framework structure, black rectangular daymark, white stripe; 79.	Visible on range line only.
19335 <i>E 5773.6</i>	- Range, front.	41° 39.2' N 41° 38.6' E	F.R.	75 23	4	White metal framework structure, black double-trapezoidal daymark, white stripe; 66.	Visible on range line only.
19335.1 <i>E 5773.61</i>	-- Rear, 260 meters 261°24' from front.	41° 39.1' N 41° 38.5' E	F.R.	105 32	4	White metal framework structure, black triangular daymark, white stripe; 95.	Visible on range line only.
19336 <i>E 5770</i>	-Near root of Mys Burun Tabiya Mole, 210 meters 320° from Bukhta Batumiyskaya.	41° 39.4' N 41° 38.4' E	Fl.G. period 5s fl. 1.5s, ec. 3.5s	82 25	2	Gray metal framework tower; 39.	Visible 108°-294°.
19338 <i>E 5774</i>	-Coaster Harbor, entrance.	41° 39.1' N 41° 39.7' E	F.R.	26 8	3	Brown metal framework tower; 20.	
19340 <i>E 5776</i>	Chorokh, entrance.	41° 36.7' N 41° 33.5' E	Fl.R. period 9s fl. 1.5s, ec. 7.5s	43 13	6	Red framework tower, white quadrangular daymark, black stripe; 33.	Visible 015°-205°.
19344 <i>E 5779</i>	Boundary Range, front.	41° 31.3' N 41° 33.0' E	Q.W.R.G.	112 34	W. 14 R. 12 G. 12	Black metal pylon, orange rectangular daymark, white stripe; 66.	W. 027°-095°, R.-105°, W.-115°, G.-125°, W.-190°. Reserve light W. 12M, R. 8M, G. 7M.
19348 <i>E 5779.1</i>	--Rear, about 288 meters 110° from front.	41° 31.2' N 41° 33.2' E	Oc.W. period 4s lt. 3s, ec. 1s	197 60	14	White 4-sided metal tower, white daymark, red stripe; 98.	Visible 108°30'-111°30'.
TURKEY-BLACK SEA							
19352 <i>E 5780</i>	Hopa.	41° 22.0' N 41° 20.5' E	Fl.(2)W. period 15s fl. 0.4s, ec. 4.6s fl. 0.4s, ec. 9.6s	75 23	18	White round tower, dwelling; 39.	
19357 <i>E 5780.5</i>	-Outer breakwater, head.	41° 25.2' N 41° 25.8' E	Fl.G. period 3s	46 14	10	Concrete tower; 30.	
19360 <i>E 5780.6</i>	-Lee, breakwater.	41° 24.9' N 41° 26.1' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	46 14	10	Concrete tower; 30.	
19362 <i>E 5781.1</i>	Ardesen, breakwater, head.	41° 12.0' N 40° 59.6' E	Fl.G. period 5s fl. 1s, ec. 4s	26 8	6	Concrete tower; 20.	
19362.5 <i>E 5781.2</i>	-Inner breakwater, head.	41° 11.8' N 40° 59.5' E	Fl.R. period 5s fl. 1s, ec. 4s	26 8	6	Concrete tower; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY-BLACK SEA							
19364 <i>E 5781</i>	Pazar.	41° 11.0' N 40° 52.5' E	Fl.W. period 5s	52 16	10	White metal framework tripod; 10.	
19365 <i>E 5780.7</i>	-N. breakwater, head.	41° 10.9' N 40° 54.7' E	Fl.G. period 3s	39 12	5	Concrete tower; 26.	
19365.5 <i>E 5780.8</i>	-S. breakwater, head.	41° 10.9' N 40° 54.6' E	Fl.R. period 3s	39 12	5	Concrete tower; 26.	
RIZE:							
19368 <i>E 5782</i>	-Piryoys Burna.	41° 02.3' N 40° 30.2' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	72 22	18	Iron framework tower on white hut; 13.	
19380 <i>E 5782.8</i>	Surmene, W. mole.	40° 55.1' N 40° 11.3' E	F.G.	33 10	4	White metal pylon; 19.	Fishing light.
19384 <i>E 5783</i>	Arakli Burnu.	40° 57.5' N 40° 02.5' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	115 35	8	White metal framework tower; 13.	
19385 <i>E 5782.9</i>	-N. breakwater, head.	40° 56.9' N 40° 03.3' E	Fl.G. period 5s	33 10	5	Metal framework tower; 30.	
19385.5 <i>E 5782.95</i>	-S. breakwater, head.	40° 57.0' N 40° 03.1' E	Fl.R. period 5s	33 10	5	Metal framework tower; 30.	
19388 <i>E 5784</i>	Trabzon.	41° 00.5' N 39° 44.2' E	Fl.(2)W. period 15s fl. 1.5s, ec. 3s fl. 1.5s, ec. 9s	102 31	17	White metal framework structure on tankhouse; 19.	
19392 <i>E 5785</i>	-N. breakwater, head.	41° 00.4' N 39° 45.0' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	52 16	10	White concrete tower; 16.	
19400 <i>E 5785.6</i>	--E.	41° 00.3' N 39° 44.9' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	30 9	10	Framework tower.	
19404 <i>E 5787</i>	Incir Limani, pier, head.	41° 06.4' N 39° 25.4' E	Fl.G. period 3s	36 11	4	Metal tower.	
19408 <i>E 5786</i>	Isikli Burnu.	41° 06.4' N 39° 25.3' E	Fl.W. period 10s	82 25	18	White stone tower, dwelling; 26.	
19412 <i>E 5787.5</i>	Eynesil.	41° 04.8' N 39° 09.8' E	Fl.W. period 10s fl. 1s, ec. 9s	98 30	12	Metal framework tower; 23.	
19416 <i>E 5787.8</i>	Gorele, mole, head.	41° 02.2' N 39° 00.2' E	F.G.	33 10	4	White metal pylon; 19.	Fishing light.
19420 <i>E 5788</i>	Tirebolu.	41° 00.5' N 38° 49.3' E	Fl.W.R. (vert.) period 3s fl. 0.3s, ec. 2.7s	102 31	W. 10 R. 7	White framework tower on concrete base; 13.	R. 102°-140°, W-102°.
19424 <i>E 5789</i>	Cam Burnu.	40° 58.4' N 38° 38.5' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	54 16	12	Metal framework tower; 20.	
19428 <i>E 5790</i>	Giresun , NW. side of promontory.	40° 55.4' N 38° 23.4' E	Fl.W. period 15s fl. 1.5s, ec. 13.5s	364 111	18	White metal framework tower; 39.	
19432 <i>E 5791</i>	-N. breakwater.	40° 55.4' N 38° 22.7' E	Fl.R. period 5s fl. 1s, ec. 4s	43 13	10	Concrete tower; 19.	
19436 <i>E 5792</i>	-S. breakwater.	40° 55.2' N 38° 22.9' E	F.R.	29 9	3	Concrete tower; 20.	
19440 <i>E 5789.4</i>	Piraziz Burnu.	40° 57.0' N 38° 09.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	98 30	8	White metal framework tower; 33.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY-BLACK SEA							
19444 <i>E 5793</i>	Ordu (Piramet).	41° 01.0' N 37° 51.1' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	56 17	10	Masonry tower.	
19446 <i>E 5793.5</i>	Perseme.	41° 04.9' N 37° 46.4' E	F.G.	39 12	3	Concrete tower; 20.	Fishing light.
19448 <i>E 5794</i>	Cam Burnu.	41° 07.0' N 37° 47.3' E	Fl.W. period 10s fl. 1s, ec. 9s	127 39	18	White stone tower on hut; 20.	
19450 <i>E 5794.5</i>	Mersin, breakwater.	41° 07.0' N 37° 45.9' E	F.R.	36 11	3		F.G. 3M shown on opposing breakwater.
19452 <i>E 5795</i>	Yasun Burnu, on extremity.	41° 08.0' N 37° 41.0' E	Fl.(3)W. period 15s	36 11	8	White framework tower, stone base; 23.	
19456 <i>E 5796</i>	Fatsa Limani, on Fatsa Banki.	41° 03.7' N 37° 30.7' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	20 6	10	White metal framework tower, concrete base; 16.	
19457 <i>E 5796.2</i>	-Shelter mole, head.	41° 02.7' N 37° 29.8' E	Fl.G. period 5s fl. 1s, ec. 4s	33 10	8	White concrete tower; 16.	
19457.5 <i>E 5796.4</i>	-Secondary mole, head.	41° 02.5' N 37° 29.6' E	Fl.R. period 5s fl. 1s, ec. 4s	30 9	8	White concrete tower; 16.	
19458 <i>E 5797</i>	Unye, breakwater, head.	41° 07.0' N 37° 21.0' E	Fl.G. period 5s fl. 1s, ec. 4s	30 9	6	Black concrete tower; 22.	
19458.5 <i>E 5797.1</i>	-Secondary breakwater, head.	41° 07.0' N 37° 20.7' E	Fl.R. period 5s fl. 1s, ec. 4s	30 9	6	White concrete tower; 22.	
19460 <i>E 5798</i>	Unye, on Tashane Burun.	41° 08.5' N 37° 17.7' E	Fl.(2)W. period 6s fl. 0.6s, ec. 1s fl. 0.6s, ec. 3.8s	62 19	10	Iron framework tripod, concrete hut; 13.	
19464 <i>E 5799</i>	Calti Burnu.	41° 15.6' N 37° 01.2' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	56 17	10	Iron framework tower; 33.	
19468 <i>E 5800</i>	Civa Burnu.	41° 21.9' N 36° 41.1' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	76 23	10	White concrete tower; 59.	
19470 <i>E 5800.5</i>	-E.	41° 21.6' N 36° 42.5' E	2 Fl.Y. period 3s fl. 1s, ec. 2s	43 13	7	Yellow metal column; 39.	Marks pipeline.
19472 <i>E 5801</i>	Azot Sanayi.	41° 14.9' N 36° 27.8' E	F.R.	29 9	4	Mast; 19.	
SAMSUN:							
19476 <i>E 5803</i>	-E. mole, head.	41° 18.5' N 36° 21.1' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	46 14	10	Concrete tower; 39.	
19480 <i>E 5802</i>	-N. mole.	41° 18.6' N 36° 21.4' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	49 15	10	Concrete tower; 36.	Bell: 1 stroke ev. 2s.
19484 <i>E 5802.2</i>	--Mole.	41° 18.6' N 36° 21.1' E	F.G.	23 7	2	White concrete tower; 9	Visible 291°-111°.
19485 <i>E 5802.3</i>	-Fishermans Shelter.	41° 18.6' N 36° 20.6' E	F.G.	30 9	3	Concrete tower; 23.	
19488 <i>E 5803.4</i>	-Jetty, head.	41° 18.3' N 36° 20.5' E	F.R.	20 6	2	White concrete tower; 9.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY-BLACK SEA							
19492 <i>E 5805</i>	Incir Burnu.	41° 37.2' N 36° 06.7' E	Fl.(3)W. period 12s	49 15	13	White framework pylon; 39.	
19496 <i>E 5806</i>	Bafra Burnu.	41° 43.6' N 35° 56.5' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	82 25	20	White iron skeleton tower; 16.	
19500 <i>E 5806.5</i>	Yakakent, E. mole.	41° 38.7' N 35° 30.3' E	F.G.	36 11			
19504 <i>E 5806.6</i>	-W. mole.	41° 38.5' N 35° 30.2' E	F.R.	26 8			
19508 <i>E 5807</i>	Gerze, Kosk Burnu.	41° 48.4' N 35° 12.5' E	Fl.(2)W. period 3s fl. 0.3s, ec. 1s fl. 0.3s, ec. 1.4s	49 15	6	White concrete tower; 20.	
19512 <i>E 5808</i>	Sinop, on Boztepe Burnu.	42° 01.3' N 35° 12.5' E	Fl.(2)W. period 15s fl. 1s, ec. 3s fl. 1s, ec. 10s	351 107	10	White masonry tower; 13.	Siren: 3 bl. ev. 32s.
19516 <i>E 5808.5</i>	-On mole.	42° 01.3' N 35° 08.7' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	2	Concrete pillar; 16.	
19520 <i>E 5808.4</i>	-Fishing harbor.	42° 01.3' N 35° 09.1' E	F.R.			Column.	F.R. on tower 480 meters N.
19528 <i>E 5809</i>	Ak-Liman.	42° 03.0' N 35° 03.1' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	66 20	8	White concrete tower; 16.	
19532 <i>E 5810</i>	Ince Burun.	42° 06.0' N 34° 56.8' E	Fl.(4)W. period 20s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 12s	85 26	18	White masonry tower; 39.	
19536 <i>E 5811</i>	Ayancik, on Usta Burun.	41° 58.5' N 34° 29.5' E	Fl.W. period 5s	89 27	8	White iron skeleton tower on pedestal; 23.	
19544 <i>E 5812</i>	Inebolu, on point.	41° 58.8' N 33° 45.8' E	Fl.W. period 10s fl. 1s, ec. 9s	125 38	12	White iron mast, dwelling; 29.	
19548 <i>E 5813</i>	-N. breakwater, head.	41° 58.9' N 33° 46.4' E	Fl.G. period 3s fl. 1s, ec. 2s	46 14	8	Concrete tower; 23.	
19552 <i>E 5814</i>	-S. breakwater, head.	41° 58.8' N 33° 46.2' E	Fl.R. period 3s fl. 1s, ec. 2s	33 10	8	White concrete tower; 23.	
19556 <i>E 5816</i>	Kerempe Burnu.	42° 01.2' N 33° 20.2' E	Fl.W. period 20s	269 82	20	Tower, white hut; 26.	Siren: 3 bl. ev. 32s.
19560 <i>E 5816.5</i>	Kopekkayasi Burnu.	41° 54.5' N 32° 59.1' E	Fl.(2)W. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	666 203	10	Concrete tower; 23.	
19564 <i>E 5816.55</i>	-N. breakwater, head.	41° 54.1' N 32° 58.4' E	F.R.	30 9	3	Concrete tower.	
19568 <i>E 5816.6</i>	-Sheltered breakwater, head.	41° 54.1' N 32° 59.0' E	Fl.G. period 5s fl. 0.3s, ec. 4.7s	30 9	8	Concrete tower; 30.	
19572 <i>E 5816.7</i>	Kurucasile, on Kapt Suyu.	41° 50.8' N 32° 43.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	135 41	8	White tower, concrete base; 26.	
19576 <i>E 5817</i>	Amasra.	41° 45.2' N 32° 23.0' E	Fl.W. period 10s fl. 1s, ec. 9s	252 77	20	White masonry tower, dwelling; 9.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY-BLACK SEA							
19580 <i>E 5818</i>	-S. breakwater, head.	41° 44.8' N 32° 23.8' E	Fl.R. period 6s	39 12	10	White metal framework tower; 20.	
19584 <i>E 5817.5</i>	-N. mole, head.	41° 44.9' N 32° 23.9' E	Fl.G. period 6s fl. 0.3s, ec. 5.7s	46 14	10	White round metal tower; 33.	
BARTIN LIMANI:							
19588 <i>E 5818.4</i>	-Demirli Burnu.	41° 41.0' N 32° 13.5' E	Fl.(2)W. period 6s fl. 0.8s, ec. 0.8s fl. 0.8s, ec. 3.6s	230 70	10	White concrete tower on concrete base; 33.	
19592 <i>E 5818.5</i>	-N. breakwater, head.	41° 41.3' N 32° 13.4' E	Fl.(2)R. period 5s fl. 0.3s, ec. 1s fl. 0.3s, ec. 3.4s	33 10	10	White concrete tower on concrete base; 23.	
19596 <i>E 5818.6</i>	-S. breakwater, head.	41° 41.2' N 32° 13.6' E	Fl.(3)G. period 10s fl. 0.6s, ec. 0.6s fl. 0.6s, ec. 0.6s fl. 0.6s, ec. 7s	33 10	8	White concrete tower on concrete base; 26.	
19598 <i>E 5818.62</i>	--W. head.	41° 41.1' N 32° 13.5' E	Q.G.	36 11	8	White painted framework tower; 26.	
19604 <i>E 5819</i>	Hisaronu, pier, head.	41° 33.7' N 32° 01.0' E	F.R.	26 8	4	White iron post; 19.	
19606 <i>E 5819.4</i>	Mancar Agzi.	41° 31.4' N 31° 53.7' E	Fl.R. period 3s		3		Fl.G. marks pier close SE.
ZONGULDAK LIMANI:							
19608 <i>E 5820</i>	-Zonguldak Burun.	41° 27.9' N 31° 47.4' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	173 53	20	White masonry tower, dwelling; 29.	
19612 <i>E 5823</i>	-Range, front.	41° 27.6' N 31° 47.3' E	F.Bu.		1	Platform; 46.	
19616 <i>E 5823.1</i>	--Rear, 25 meters 080° 15' from front.	41° 27.6' N 31° 47.3' E	F.Bu.		1	Column; 125.	
19620 <i>E 5822</i>	-W. breakwater, head.	41° 27.6' N 31° 46.9' E	Fl.G. period 5s fl. 1s, ec. 4s	51 16	10	Metal framework tower on concrete base; 33.	
19624 <i>E 5821</i>	-N. breakwater, head.	41° 27.6' N 31° 46.8' E	Fl.R. period 5s fl. 1s, ec. 4s	62 19	10	Metal framework tower on concrete base; 39.	
19632 <i>E 5826</i>	Oluce Burun.	41° 18.8' N 31° 24.0' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	256 78	15	White tower; 29.	Siren: 1 bl. ev. 15s.
EREGLI LIMANI:							
19640 <i>E 5827</i>	-Old Port, W. breakwater, head.	41° 17.0' N 31° 24.1' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	30 9	8	White concrete tower; 16.	Siren: 1 bl. ev. 10s.
19644 <i>E 5827.2</i>	--E. breakwater, W. head.	41° 17.0' N 31° 24.6' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	13 4	5	White concrete tower; 10.	
19648 <i>E 5827.4</i>	--E. head.	41° 16.9' N 31° 24.8' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	10 3	8	White concrete tower; 7.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY-BLACK SEA							
19652 <i>E 5828</i>	-New port (Uzun Kum), outer breakwater, head.	41° 16.3' N 31° 24.8' E	Fl.(2)G. period 5s fl. 0.3s, ec. 1s fl. 0.3s, ec. 3.4s	36 11	7	Concrete tower on hexagonal building; 20.	Radar reflector.
19656 <i>E 5828.2</i>	--Inner breakwater, head.	41° 16.1' N 31° 25.1' E	Fl.(2)R. period 5s fl. 0.3s, ec. 1s fl. 0.3s, ec. 3.4s	23 7	3	Concrete tower on hexagonal building; 9.	
19658 <i>E 5829.3</i>	Akkoca. Kale.	41° 05.2' N 31° 05.8' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	49 15	10		
19658.5 <i>E 5829</i>	-Breakwater, head.	41° 05.5' N 31° 07.2' E	Fl.R. period 5s	43 13	10	Concrete tower; 30.	
			F.G.				
19660 <i>E 5829.5</i>	Sakarya, W. side of river entrance.	41° 07.7' N 30° 39.2' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	30 9	6	Iron tripod, concrete base; 26.	
19664 <i>E 5830</i>	Kefken Adasi, near W. extremity.	41° 13.0' N 30° 15.5' E	Fl.(3)W. period 15s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 9s	79 24	14	White iron column, dwelling; 33.	Lifeboat station. Nautophone: 2 bl. ev. 20s.
19666 <i>E 5830.7</i>	Asagi Kovanagzi, breakwater, head.	41° 10.7' N 30° 13.7' E	Fl.G. period 5s fl. 1s, ec. 4s	20 6	5	White concrete tower; 16.	
19668 <i>E 5830.4</i>	-W. mole, head.	41° 12.8' N 30° 15.4' E	Fl.R. period 5s fl. 1s, ec. 4s	26 8	5	Concrete tower; 9.	Visible 125°-177°.
19672 <i>E 5830.2</i>	-E. mole, head.	41° 12.8' N 30° 15.7' E	Fl.G. period 5s fl. 1s, ec. 4s	26 8	5	Concrete tower; 16.	
19676 <i>E 5831</i>	Agva, W. of river.	41° 08.5' N 29° 51.5' E	Fl.W. period 5s	56 17	7	Concrete tower; 13.	
19677 <i>E 5831.4</i>	-Shelter, N. breakwater, head.	41° 08.4' N 29° 51.3' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	5	Concrete tower; 16.	
19678 <i>E 5831.42</i>	--S. breakwater, head.	41° 08.0' N 29° 51.0' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	5	Concrete tower; 16.	
19680 <i>E 5832</i>	Sile Burnu.	41° 10.8' N 29° 37.0' E	Fl.W. period 15s fl. 1.5s, ec. 13.5s	197 60	21	White stone tower, black bands; 62.	
19684 <i>E 5832.4</i>	Sile Limani, N. mole, head.	41° 10.8' N 29° 36.0' E	Fl.R. period 3s fl. 1s, ec. 2s	43 13	8	White metal column; 20.	
19688 <i>E 5833</i>	Anadolu Karaburun.	41° 12.9' N 29° 23.4' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	141 43	10	White tripod on round concrete tower; 26.	
19692 <i>E 5834</i>	Esek Adasi.	41° 14.1' N 29° 13.8' E	Fl.R. period 5s fl. 1s, ec. 4s	98 30	10	Metal tripod; 13.	
TURKEY-GREECE							
19696 <i>E 4588</i>	Baba Burnu (T.).	39° 28.8' N 26° 03.9' E	Fl.(4)W. period 20s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 12s	105 32	18	White metal framework tower, concrete base; 33.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY-GREECE							
RACON		K(- • -)					
19700 <i>E 4590</i>	Sivrice Burnu (T.), N. side of Muselim Channel.	39° 28.1' N 26° 14.6' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	52 16	15	White masonry tower and dwelling; 39.	
19702 <i>E 4590.2</i>	Kucukkuyu, W. breakwater.	39° 32.7' N 26° 36.3' E	F.R.	43 13	3	Concrete tower; 33.	
19702.5 <i>E 4590.25</i>	-E. breakwater.	39° 32.7' N 26° 36.5' E	F.G.	30 9	3	Concrete tower; 20.	
19703 <i>E 4590.4</i>	Altinoluk, breakwater.	39° 33.9' N 26° 44.6' E	F.R.	33 10	3	Concrete tower; 23.	
19704 <i>E 4591</i>	Edremit Korfezi (T.), Kara Burnu.	39° 33.5' N 26° 50.1' E	Fl.(3)W. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	46 14	12	White concrete tower; 43.	
19708 <i>E 4592</i>	-Boz Burun.	39° 26.3' N 26° 48.8' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	115 35	10	Iron framework tower; 33.	
NISOS LESVOS (GR.):							
19712 <i>E 4603</i>	-Plomarian, E. breakwater, head.	38° 58.5' N 26° 22.2' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework column with gallery, green band; 20.	
19716 <i>E 4602</i>	--W. breakwater, head.	38° 58.4' N 26° 22.2' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework column with gallery, red band; 18.	
19720 <i>E 4599</i>	-Nisos Garbia, N. end of island.	39° 04.7' N 26° 04.7' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	76 23	6	Metal column on round hut; 20.	Visible 355°-330°, obscured elsewhere.
19724 <i>E 4600</i>	-Kolpos Kallonis, Skala Polikhniton.	39° 06.1' N 26° 10.1' E	F.R.	23 7	3	Wooden mast, red band.	
19725 <i>E 4600.4</i>	--S. mole, head.	39° 06.1' N 26° 10.1' E	F.G.	23 7	3	White metal column, green band.	
19728	--Saltworks landing, Kallonis pier, head.	39° 12.2' N 26° 14.2' E	2 F.R. (vert.)	19 6	1	White metal column.	Temporarily extinguished (1980).
19732 <i>E 4598</i>	-Nisis Sigri.	39° 12.8' N 25° 49.9' E	Fl.(2)W. period 15s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 9.9s	174 53	21	Round tower, dwelling; 43.	
19736 <i>E 4598.2</i>	-Akra Saratsina.	39° 11.4' N 25° 49.9' E	Fl.W.R. period 3s fl. 0.3s, ec. 2.7s	75 23	W. 5 R. 3	Hexagonal hut with metal framework; 24.	W. 000°-122°, R.-160°, W.-219°, R.-270°, obsc.-000°.
19740 <i>E 4595</i>	-Akra Molivos.	39° 22.8' N 26° 11.2' E	L.Fl.W.G. period 10s fl. 2.5s, ec. 7.5s	89 27	W. 12 G. 8	Round hut.	W. 068°-219°, G.-239°, W.-263°, obscured elsewhere.
19744 <i>E 4596</i>	-Mithimna Molivos, bay, head.	39° 21.8' N 26° 10.2' E	F.R.	39 12	3	Metal column, red band.	
19748 <i>E 4597</i>	--Nisis Gavathes.	39° 18.1' N 26° 01.4' E	Fl.W. period 2s fl. 0.2s, ec. 1.8s	49 15	4	White metal framework.	
19752 <i>E 4594</i>	-Akra Korakas.	39° 23.3' N 26° 20.5' E	Fl.W.R. period 5s fl. 1s, ec. 4s	46 14	W. 11 R. 8	Round hut; 16.	W. 087°-104°, R.-119°, W.-299°, obsc.-087°.
19754 <i>E 4609</i>	-Nisis Panagia.	39° 18.9' N 26° 26.8' E	Fl.W. period 10s fl. 0.5s, ec. 9.5s	75 23	7	White metal framework tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY-GREECE							
19756 <i>E 4607</i>	-Mitilini, Limin Alri Kastro, promontory.	39° 06.7' N 26° 34.0' E	Fl.(3)W. period 14s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 9.6s	69 21	6	Metal framework on dwelling; 20.	Visible 122°-027°.
19760 <i>E 4607.6</i>	--Breakwater, head.	39° 05.9' N 26° 33.8' E	Fl.G. period 3s fl. 1s, ec. 2s	49 15	7	Concrete hexagonal hut, green bands.	
19761 <i>E 4607.8</i>	--Breakwater, NE. head.	39° 05.9' N 26° 33.7' E	Fl.R. period 3s fl. 0.4s, ec. 2.6s	36 11	5	Metal framework, gallery, metal column, red band; 25.	
19762 <i>E 4607.9</i>	---SW. head.	39° 05.8' N 26° 33.6' E	Q.G.	36 11	4	Metal framework, gallery, metal column, green band; 26.	
19764 <i>E 4608.4</i>	--N. side entrance to S. port.	39° 06.3' N 26° 33.6' E	Fl.G. period 1.5s fl. 0.2s, ec. 1.3s	29 9	3	Concrete column on pedestal, green band.	
19768 <i>E 4608</i>	--Notio Limin, side entrance.	39° 06.3' N 26° 33.6' E	Fl.R. period 1.5s	29 9	3	Mast on white house, red roof.	
19770 <i>E 4607.7</i>	--S. mole, head.	39° 05.8' N 26° 33.5' E	Q.R.	16 5	4	Metal framework, gallery, metal column, red band.	
19772 <i>E 4605</i>	-Akra Malea (Aghrilios).	39° 00.5' N 26° 36.7' E	Fl.(2)W. period 12s fl. 1s, ec. 2s fl. 1s, ec. 8s	170 52	9	White pyramid with gallery; 13.	Visible 210°-102°, obscured by shore W. of 060° at distance greater than 8.3 km.
19776 <i>E 4606</i>	-Perama, pier, head.	39° 02.5' N 26° 30.3' E	2 F.R. (vert.)	16 5	2	White metal column.	1 meter apart.
MITILINI STRAIT (T):							
19780 <i>E 4610</i>	-Gunes Adasi, N. end of strait.	39° 19.7' N 26° 32.5' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	216 66	8	White tripod on stone base; 16.	
19784 <i>E 4611</i>	-Yumurta Adasi.	39° 19.2' N 26° 31.5' E	Iso.R. period 2s	62 19	3	White metal framework tower; 13.	
19788 <i>E 4612</i>	-Ciplakada. Fener Burna.	39° 17.2' N 26° 36.2' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	59 18	8	White iron stand; 13.	
19792 <i>E 4613</i>	-Ayvalik, on Korkut Burnu.	39° 19.0' N 26° 37.8' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	59 18	7	White concrete tower; 29.	
19796 <i>E 4614</i>	-Ayvalik Limani, Dalyan Bogazi, Alibey Adazi, off S. point.	39° 19.4' N 26° 38.1' E	V.Q.(6)+L.Fl.W. period 15s	16 5	7	S. CARDINAL YB, beacon, topmark.	Maintained by local authorities. Channel into Aybalik marked by 3 Fl.R. lights on N. side and 3 Fl.G. on S. side.
19798 <i>E 4615.3</i>	-Dolap Adasi.	39° 20.8' N 26° 40.8' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	16 5	8	Iron tower; 10.	
19799 <i>E 4615.22</i>	-Alibey Adasi.	39° 19.8' N 26° 39.4' E	F.R.	33 10	3	Concrete tower; 23.	
19799.3 <i>E 4615.24</i>	-Yat Limani.	39° 19.0' N 26° 41.3' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	33 10	5	Concrete tower; 23.	
19799.5 <i>E 4615.26</i>	--Tower.	39° 18.9' N 26° 41.3' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	33 10	5	Concrete tower; 23.	
19800 <i>E 4615.4</i>	-Madra Cayi.	39° 10.3' N 26° 46.0' E	Fl.(4)W. period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 8.5s	43 13	7	White framework tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY-GREECE							
19804 E 4615.5	Dikili, breakwater, SW arm.	39° 04.2' N 26° 53.2' E	F.R.	30 9	3	Mast.	F.R. marks NW arm.
19808 E 4615.6	Adatepe Burnu.	39° 01.2' N 26° 48.2' E	Fl.W.R. period 5s fl. 0.3s, ec. 4.7s	59 18	W. 7 R. 4	White metal framework; 23.	W. shore-102°, R.-120°, W.-140°, R.-156°, W.-175°, obsc.-shore.
19810 E 4604	Nisis Profilaki.	38° 58.4' N 26° 32.5' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	89 27	6	White round hut.	Visible 200°-075°.
CANDARLI KORFEZI (T):							
19812 E 4616.2	-Pirasa Adasi, summit.	38° 51.9' N 26° 53.6' E	Fl.W. period 5s	144 44	12	White metal framework tower; 20.	
19816 E 4616	-Tavson Adasi.	38° 51.1' N 26° 53.1' E	Fl.(3)W. period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 4s	207 63	15	White tower; 20.	
19822 E 4616.3	-Ilica Burnu.	38° 49.5' N 26° 53.7' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	164 50	9	White metal framework tower; 26.	
19824 E 4616.4	-Aliaga Limani Burun, E. entrance point.	38° 50.2' N 26° 56.7' E	Q.G.	36 11	10	White pylon; 20.	
19825 E 4616.9	-Nemrut Bay, Habas, jetty, head.	38° 45.9' N 26° 54.8' E	Fl.R.				
19826 E 4616.92	--Cukurova, jetty, head.	38° 45.9' N 26° 55.0' E	F.R.				
19827 E 4617	--W. pier, head.	38° 45.6' N 26° 55.8' E	F.R.	26 8	3	Mast.	
19828 E 4617.2	-Tank uzerinde.	38° 45.4' N 26° 55.8' E	F.R.	98 30	3	Mast.	
19830 E 4617.6	-Breakwater, W. head.	38° 46.5' N 26° 55.8' E	F.R.		2		
19832 E 4617.5	-Petkim Refinery, breakwater, head.	38° 46.7' N 26° 55.5' E	Fl.R.	23 7	2	Framework tower; 19.	
IZMIR KORFEZI (T):							
19836 E 4621	-Eski Saip, on Buyukada.	38° 39.9' N 26° 31.2' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	82 25	10	Metal framework tower, concrete base; 33.	
19837 E 4621.2	-Mordogan, W. breakwater, head.	38° 31.1' N 26° 37.7' E	Fl.G. period 5s fl. 1s, ec. 4s	26 8	5	Metal framework tower.	
19837.1 E 4621.3	--E. breakwater, head.	38° 31.1' N 26° 37.7' E	Fl.R. period 5s fl. 1s, ec. 4s	26 8	5	Metal framework tower.	
19838 E 4617.9	-Aslan Burnu.	38° 44.4' N 26° 44.4' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	131 40	10	Metal tower; 26.	
19840 E 4618	-Foca, Oglak Adasi.	38° 40.6' N 26° 42.7' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	82 25	12	White iron framework tower on pedestal; 20.	
19844 E 4620	--Degirmen Burnu.	38° 40.0' N 26° 44.7' E	Fl.W. period 5s fl. 1s, ec. 4s	56 17	8	White metal column on pedestal; 29.	
19848 E 4621.6	-Leventli Limani.	38° 38.2' N 26° 45.2' E	F.R.	26 8	2	Red iron round on pedestal.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY-GREECE							
19852 <i>E 4621.62</i>	--Tower.	38° 38.0' N 26° 45.6' E	F.G.	26 8	2	Red tower on pedestal.	
19856 <i>E 4621.5</i>	-Azaplar Kayalari.	38° 37.1' N 26° 44.6' E	Fl.R. period 3s	23 7	4	Concrete tower.	
19860 <i>E 4623</i>	-Cigli Airfield.	38° 31.1' N 27° 00.4' E	Al.Fl.W.G. period 10s	161 49	10	Control tower; 85.	<i>Visibility reported 17M.</i>
19864 <i>E 4622</i>	-Uzun Ada, NE. point.	38° 32.5' N 26° 42.7' E	Fl.(3)W. period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 9.5s	164 50	12	White iron column, framework structure; 20.	A Q.R. light is shown from radio masts, 2.8 km. 150° and 7.4 km. 168° respectively.
19866 <i>E 4622.1</i>	Nergis Island.	38° 38.5' N 26° 41.8' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	39 12	6	Round metal tower; 16.	
19867 <i>E 4622.8</i>	-Camalti, pier, head.	38° 25.6' N 26° 56.8' E	F.R.	20 6		Metal mast; 13.	
19868 <i>E 4622.3</i>	Kortas Island.	38° 25.2' N 26° 47.7' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	23 7	10	White metal framework pylon; 16.	
19870 <i>E 4622.4</i>	Urla.	38° 21.9' N 26° 46.4' E	F.G.	23 7	3	Round metal tower; 16.	
19871 <i>E 4622.7</i>	Guzelbahce.	38° 22.6' N 26° 53.5' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	46 14	18	White tower; 33.	
19876 <i>E 4626</i>	-Izmir, breakwater, N. head.	38° 25.8' N 27° 07.8' E	Fl.G. period 3s	23 7	7	White column; 20.	
19880 <i>E 4627</i>	--Breakwater, S. head.	38° 25.3' N 27° 07.6' E	Fl.(2)R. period 6s	23 7	7	White column; 20.	
19884 <i>E 4628</i>	--Port office, mole, head.	38° 25.8' N 27° 08.1' E	Fl.R. period 3s	23 7	2	White column; 20.	
19892 <i>E 4628.7</i>	--W. pier.	38° 27.8' N 27° 09.2' E	F.R.		2		
19896 <i>E 4630</i>	Kara Burnu.	38° 39.6' N 26° 21.7' E	Fl.(4)W. period 20s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 12s	318 97	12	White round tower, dwelling; 43.	Visible 045°-225°.
RACON			N(– •)				
NISOS PSARA (GR.):							
19900 <i>E 4632</i>	-Akra Ayios Yeoryiou.	38° 32.3' N 25° 36.5' E	Fl.W. period 10s fl. 0.3s, ec. 9.7s	255 78	25	Round tower and dwelling; 30.	
19904 <i>E 4634</i>	-Ormar Psaron, E. mole, head.	38° 32.4' N 25° 34.1' E	Fl.R. period 1.5s fl. 0.2s, ec. 1.3s	23 7	3	Hexagonal hut with tower, red band.	Visible 025°-352°.
19905 <i>E 4634.5</i>	-Limena Psaron, inner mole, head.	38° 32.4' N 25° 33.9' E	F.R.	16 5	3	White metal column, red band.	
NISOS KHIOS (GR.):							
19908 <i>E 4638</i>	-Nisis Gevtis.	38° 36.4' N 26° 01.6' E	Fl.(3)W. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	108 33	11	Round hut.	Visible 087°-293°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY-GREECE							
19909 <i>E 4647.86</i>	-Vokarias. S Mole. Head.	38° 14.5' N 26° 06.4' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework, gallery on metal column, green band.	
19909.5 <i>E 4647.5</i>	-Akra Ayia Eleni, mole, head.	38° 19.9' N 26° 09.6' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework, gallery and metal column, red band.	
19910 <i>E 4647.71</i>	-Ag. Ermioni. S Mole. Head.	38° 18.1' N 26° 09.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework, gallery on metal column, red band.	
19910.1 <i>E 4647.8</i>	-Kataraktis. S Mole. Head.	38° 15.9' N 26° 06.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework, gallery on metal column, red band.	
19911 <i>E 4650.2</i>	-Ormos Volissos, outer mole, head.	38° 28.0' N 25° 55.1' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal column with gallery on metal framework, red band.	
19911.5 <i>E 4650.1</i>	--Inner mole, head.	38° 28.1' N 25° 55.1' E	Fl.R. period 1.5s fl. 0.2s, ec. 1.3s	26 8	3	Metal column with gallery on metal framework, red band.	
19912 <i>E 4650</i>	--E. mole, head.	38° 28.1' N 25° 55.2' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal column with gallery on metal framework, green band.	
19916 <i>E 4649</i>	-Mesta, on Akra Oura.	38° 18.0' N 25° 55.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	43 13	7	Metal framework on square hut; 13.	Visible 073°-322°.
19920 <i>E 4649.4</i>	--Inner harbor, starboard hand.	38° 17.8' N 25° 55.6' E	Q.G.	33 10	2	Square metal hut, green band.	Visible 212°-032°.
19924 <i>E 4649.6</i>	---Port hand.	38° 17.7' N 25° 55.7' E	Q.R.	33 10	3	White 6-sided hut with column and gallery, red band; 26.	Visible 357°-193°.
19928 <i>E 4640</i>	-Vrakonisi Margariti, Ormos Marmaro, entrance.	38° 33.6' N 26° 07.0' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	102 31	5	Metal framework; 13.	
19930 <i>E 4640.5</i>	--Kardamyla, pier, head.	38° 32.7' N 26° 06.6' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	16 5	3	Metal column with gallery on metal framework; 13.	
19932 <i>E 4642</i>	-Vrakhonisi Strovilo.	38° 33.3' N 26° 09.8' E	Fl.W. period 5s fl. 1s, ec. 4s	239 73	10	Round hut.	Visible 116°-006°.
19933 <i>E 4643.25</i>	-Khios Marina. E Mole. Head (Chios).	38° 23.4' N 26° 08.4' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework, gallery and metal column, green band; 16.	
-Nisoi Oinoussai:							
19936 <i>E 4652</i>	--Prasso, summit.	38° 31.5' N 26° 11.0' E	Fl.(2)W.R. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	55 17	W. 6 R. 4	White hut; 13.	W. 323°-301°, R.-323°.
19940 <i>E 4653</i>	--Mandhraki.	38° 30.6' N 26° 13.2' E	Fl.W. period 2s fl. 0.2s, ec. 1.8s	66 20	4	Concrete hexagonal hut with column.	Visible 154°-113°.
19944 <i>E 4653.2</i>	--Breakwater, head.	38° 30.8' N 26° 13.1' E	Q.G.	30 9	3	White concrete column, green band.	
19948 <i>E 4653.3</i>	--S. mole, head.	38° 30.6' N 26° 13.2' E	Q.R.	33 10	3	White hexagonal hut with column and gallery with red band.	
19952 <i>E 4643</i>	-Ormos Kolokithias, Langadha, on point.	38° 28.8' N 26° 07.6' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework, gallery, metal column, green band; 13.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY-GREECE							
KHIOS STRAIT:							
19956 <i>E 4644</i>	-Limin Khiou, N. breakwater, spur.	38° 22.4' N 26° 08.5' E	2 F.Y. (vert.)	56 17	5	Mast, triangular daymark, point down.	1 meter apart. Visible 302°-322°.
19960 <i>E 4643.5</i>	--N. breakwater, head.	38° 22.2' N 26° 08.7' E	Fl.G. period 3s fl. 1s, ec. 2s	30 9	12	White hexagonal hut, gallery, column, green band; 25.	
19964 <i>E 4646</i>	--S. breakwater, head.	38° 22.1' N 26° 08.5' E	Fl.R. period 3s fl. 1s, ec. 2s	30 9	12	Concrete column on pedestal, red band.	
19968 <i>E 4654</i>	-Nisis Pasha.	38° 30.1' N 26° 17.7' E	Fl.(2)W. period 20s fl. 1s, ec. 3s fl. 1s, ec. 15s	226 69	11	Round tower, dwelling; 26.	Visible 140°-025°.
19972 <i>E 4655</i>	-Toprak Ada (T.), summit.	38° 23.3' N 26° 16.4' E	Fl.W. period 10s fl. 1s, ec. 9s	79 24	7	Metal tower; 13.	
19973 <i>E 4655.2</i>	-Dalyan.	38° 21.5' N 26° 19.1' E	Fl.W. period 5s fl. 1s, ec. 4s	33 10	7	Metal tower.	
19974 <i>E 4656.4</i>	--Altin Yunus, yacht harbor, breakwater, head.	38° 19.5' N 26° 20.8' E	F.G.	13 4			
19975 <i>E 4656.6</i>	--Breakwater, head.	38° 19.5' N 26° 20.8' E	F.R.	13 4			
19976 <i>E 4657</i>	-Cesme Korfezi (T.), Fener Burnu.	38° 19.3' N 26° 16.9' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	33 10	8	White tower; 13.	Shows very faintly when bearing more than 236°. Fl.W. on TV tower 0.86 mile NE.
19980 <i>E 4656</i>	--Kaloyeri (T.), on reef.	38° 19.8' N 26° 16.1' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	30 9	5	Yellow top on black and white concrete building; 30.	
19984 <i>E 4658</i>	-Fener Adasi (T.), summit.	38° 17.5' N 26° 11.7' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	137 42	10	White masonry tower; 26.	
19988 <i>E 4659</i>	Alacat, Korfezi (T.), Bozalan Burnu.	38° 13.5' N 26° 23.4' E	Fl.(2)W. period 5s fl. 0.3s, ec. 1s fl. 0.3s, ec. 3.4s	108 33	6	White framework tower; 26.	
19990 <i>E 4655.5</i>	Ufak Island (T.), N. point.	38° 23.5' N 26° 25.8' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	33 10	8		
19992 <i>E 4648</i>	Nisis Venetiko (Gr.), Nisos Khios, S. coast.	38° 07.6' N 26° 00.8' E	Fl.(2)W. period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	256 78	12	Round hut.	Obscured by the high ground of Nisos Khios 132°-217°.
19996 <i>E 4661</i>	Teke Burnu (T.), Sigacik Korfezi, W. entrance point.	38° 06.2' N 26° 35.7' E	Fl.(3)W. period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 9.5s	125 38	10	White framework iron tripod tower; 26.	
19998 <i>E 4661.5</i>	Esek Adasi.	38° 12.1' N 26° 46.2' E	Fl.W. period 10s fl. 1s, ec. 9s	30 9	5	Steel framework mast; 20.	
19998.5 <i>E 4661.6</i>	-Sigacik Limani, N. breakwater, head.	38° 11.7' N 26° 46.9' E	Fl.R.	13 4	2		
20000 <i>E 4662</i>	Doganbey Adasi.	38° 01.2' N 26° 52.6' E	Fl.(2)W. period 5s fl. 0.3s, ec. 1s fl. 0.3s, ec. 3.4s	167 51	8	White metal framework tower; 26.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY-GREECE							
20004 <i>E 4664</i>	Kusadasi (T.), Guvercin Adasi, NW. point.	37° 51.8' N 27° 14.8' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	65 20	8	White concrete tower and dwelling; 26.	
20008 <i>E 4664.4</i>	-Yacht harbor, W. breakwater, head.	37° 52.1' N 27° 15.6' E	Fl.R. period 5s fl. 0.3s, ec. 4.7s	39 12	5	Concrete tower.	
20012 <i>E 4664.3</i>	--E. breakwater, head.	37° 52.1' N 27° 15.7' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	30 9	5	Concrete tower.	
20016 <i>E 4665</i>	Baytak Adasi (T.).	37° 41.6' N 27° 01.1' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	75 23	8	White stone tower; 23.	
20018 <i>E 4665.05</i>	Tarsan Adasi.	37° 39.1' N 27° 00.1' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	98 30	9	Framework pylon on concrete base; 26.	
NISOS SAMOS (GR.):							
20020 <i>E 4683</i>	-Limn Karlovasi, S. breakwater, head.	37° 47.8' N 26° 40.9' E	Fl.R. period 4.5s fl. 0.5s, ec. 4s	23 7	4	White hexagonal hut, concrete column, red band; 21.	
20028 <i>E 4680</i>	--Akra Pangosi, W. side of entrance.	37° 47.6' N 26° 40.7' E	Fl.W. period 5s fl. 1s, ec. 4s	92 28	11	Metal column with gallery on round hut; 20.	
20030 <i>E 4665.9</i>	-Akra Kokkari.	37° 46.9' N 26° 53.6' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework, gallery, metal column, green band.	
20031 <i>E 4667</i>	-Vathi, mole, head.	37° 45.3' N 26° 58.2' E	Fl.R. period 3s fl. 0.4s, ec. 2.6s	36 11	4	White hexagonal hut, column, gallery, red band; 25.	
20031.5 <i>E 4667.1</i>	-Limenas Samou, E. breakwater, head.	37° 45.3' N 26° 58.6' E	F.R.	20 6	3		
20031.6 <i>E 4667.2</i>	--W. breakwater, head.	37° 45.3' N 26° 58.5' E	F.G.	20 6	3		
20033 <i>E 4666.2</i>	-Vrak Prasonisi.	37° 47.8' N 26° 57.7' E	Fl.(2)W. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	52 16	7	White metal framework, gallery and metal column; 10.	
20036 <i>E 4669</i>	-Akra Gatos.	37° 43.4' N 27° 04.1' E	Fl.(3)W. period 14s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 10.7s	52 16	7	Metal framework on round hut; 13.	Visible 180°-333°.
20040 <i>E 4670</i>	--Akra Fonias.	37° 41.3' N 26° 57.2' E	Fl.W. period 4s fl. 0.4s, ec. 3.6s	49 15	5	White square hut with 2 columns; 20.	
20044 <i>E 4674</i>	--S. breakwater, head.	37° 41.3' N 26° 57.0' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	23 7	3	Metal framework; 13.	
20048 <i>E 4676</i>	--Inner Harbor, mole, head.	37° 41.4' N 26° 56.8' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	20 6	3	Concrete hexagonal hut, green band; 13.	
20050 <i>E 4677</i>	-Limnonaki Bay.	37° 39.7' N 26° 46.8' E	Fl.G. period 2s fl. 0.1s, ec. 1.9s	26 8	3	White round hut, green band; 9.	
20051 <i>E 4677.8</i>	-Kolpos Marathokambou, Ormos Koumaiikon, mole, head.	37° 41.9' N 26° 44.6' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework, gallery and metal column, red band; 19.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY-GREECE							
20052 E 4678	-Akra Ayios Dhomenikos.	37° 40.7' N 26° 35.5' E	Fl.W. period 3.6s fl. 0.5s, ec. 3.1s	52 16	5	Metal framework; 16.	
20056 E 4689	-Ormos Fournoi, Akra Sbistokamiyos.	37° 34.5' N 26° 28.3' E	Fl.W.R. period 3.5s fl. 0.5s, ec. 3s	59 18	W. 4 R. 3	Metal framework on round hut; 16.	R. 034°-138°, W.-172°, R.- 243°, obsc.-034°.
NISIDHES FOURNOI (GR.):							
20060 E 4688	-Akra Malaki.	37° 39.3' N 26° 30.6' E	Fl.(2)W. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 9.5s	131 40	8	White square hut, metal framework tower; 24.	
20064 E 4687	-Akra Trakhilas.	37° 34.8' N 26° 23.9' E	Fl.(2)W. period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 12.5s	151 46	7	Metal column on round hut.	Visible 303°-175°.
20068 E 4690	-Akra Pappas.	37° 30.8' N 25° 58.8' E	Fl.W. period 20s fl. 1.3s, ec. 18.7s	246 75	25	Round tower and dwelling; 36.	Visible 278°-158°.
20070 E 4695	-Limin Kirikou, mole, head.	37° 36.9' N 26° 17.8' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	29 9	4	White round hut, metal framework, red band; 13.	
NISOS IKARIA (GR.):							
20072 E 4694	-Akra Dhrapanon, E. point.	37° 42.3' N 26° 22.0' E	Fl.(3)W. period 24s fl. 1s, ec. 3s fl. 1s, ec. 3s fl. 1s, ec. 15s	118 36	12	Iron framework obelisk, hut.	Visible 095°-358°.
20076 E 4693	-Vrakhonisis Evdhilos.	37° 38.4' N 26° 11.7' E	Fl.W. period 7.5s fl. 0.6s, ec. 6.9s	62 19	11	Metal framework; 16.	Visible 100°-314°.
20078 E 4692.5	-Ormos Evdhilou.	37° 38.0' N 26° 11.0' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	36 11	3	Square hut, metal framework, gallery; 23.	
20080 E 4692	-Akra Armenistis (Strephoni).	37° 38.4' N 26° 04.2' E	Fl.(3)W. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	101 31	11	Beacon.	Visible 058°-269°.
NISOS GAIDHAROS (GR.):							
20084 E 4776	-S. point of island.	37° 26.8' N 26° 57.6' E	Fl.W. period 2s fl. 0.3s, ec. 1.7s	59 18	6	White round hut with metal framework; 16.	Visible 186°-033°. Obscured 308°-329° by Nisis Kounelei.
NISOS PATMOS (GR.):							
20088 E 4771	-Limin Skala, breakwater, head.	37° 19.2' N 26° 32.8' E	Fl.R. period 1.5s	23 7	2	Metal framework on round hut, red band.	
20092 E 4770.6	-Akra Aspri.	37° 19.5' N 26° 33.6' E	Fl.W.R. period 2s fl. 0.3s, ec. 1.7s	46 14	W. 7 R. 5	White round hut.	W. 133°-272°, R.-320°, W.- 048°.
20096 E 4772	-Akra Ilias.	37° 16.2' N 26° 34.3' E	Fl.(3)W. period 9s fl. 0.3s, ec. 1.5s fl. 0.3s, ec. 1.5s fl. 0.3s, ec. 5.1s	164 50	9	Metal framework on round hut; 13.	Visible 182°-086°.
20100 E 4771.4	-Skopeloi Tragos.	37° 17.4' N 26° 34.8' E	Fl.(2)W.R. period 12s fl. 0.3s, ec. 1.4s fl. 0.3s, ec. 10s	33 10	W. 5 R. 3	Metal framework on round hut.	R. 087°-232°, W.-087°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY-GREECE							
20104 E 4770	-Akra Geranos, on point.	37° 20.5' N 26° 36.8' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	118 36	7	Metal framework on square hut; 13.	Visible 150°-012°.
20108 E 4768.5	Nisis Anidhro (Gr.).	37° 24.6' N 26° 29.4' E	Fl.W.R. period 6s fl. 0.4s, ec. 5.6s	351 107	W. 9 R. 6	White square hut; 11.	R. 090°-100°, W.-090°.
20112 E 4772.6	Nisos Akri (Gr.), on Punta Cisterna.	37° 22.9' N 26° 43.8' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	46 14	5	Metal framework on round hut, red band.	Visible 291°-129°.
20116 E 4774	Nisis Lipsoi (Gr.), Limin Lipso, mole, head.	37° 17.8' N 26° 46.0' E	2 F.R. (vert.)	20 6	6	White iron pillar.	
20117 E 4774.2	-Pier, SW. head.	37° 17.7' N 26° 45.8' E	F.R.	20 6	3	White metal framework with gallery and metal column; 16.	
20120 E 4773	-Akra Gatto.	37° 17.4' N 26° 44.8' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	88 27	6	Metal framework on round hut.	Visible 243°30'-088°30'.
20124 E 4775	Nisidhes Kalapodhia (Gr.).	37° 15.4' N 26° 48.8' E	Fl.W. period 4s fl. 0.4s, ec. 3.6s	108 33	7	White metal framework tower; 13.	
20128 E 4775.5	Nisis Sarakina (Gr.).	37° 13.8' N 26° 42.0' E	Fl.(2)W. period 8s fl. 0.5s, ec. 1.6s fl. 0.5s, ec. 5.4s	72 22	8	Metal framework on round hut; 16.	
NISOS LEROS (GR.):							
20132 E 4698	-Ormos Alindhas.	37° 09.7' N 26° 51.5' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	53 16	5	Concrete hexagonal hut with column.	Visible 060°-264°.
-Limin Lakki:							
20136 E 4702	--Akra Katsouni.	37° 06.8' N 26° 49.4' E	Fl.(2)W. period 14s fl. 1s, ec. 2s fl. 1s, ec. 10s	223 68	9	Metal pyramid with gallery.	Visible 224°-124°.
20140 E 4703	--Akra Angistro.	37° 06.6' N 26° 49.8' E	Fl.W. period 2.5s fl. 0.2s, ec. 2.3s	151 46	5	Round hut, green band.	Visible 345°-105°, 165°-240°.
20144 E 4704	--Lakkion, S. end of pier, head.	37° 07.7' N 26° 51.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	4	Metal framework on round hut, red band; 18.	
20146 E 4704.5	-Ormos Xirokambos mole, head.	37° 06.4' N 26° 52.2' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework, red band, gallery and metal column.	
20148 E 4705	-Glaronisia.	37° 05.6' N 26° 53.1' E	Fl.W. period 2s fl. 0.3s, ec. 1.7s	46 14	4	White round hut, metal framework; 18.	
20152 E 4700	-Ayios Kiriake.	37° 08.8' N 26° 53.3' E	Fl.(3)W. period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	69 21	5	Metal framework on round hut.	Visible 105°-052°.
20156 E 4777	Farmakonisi (Gr.).	37° 16.9' N 27° 05.3' E	Fl.(2)W. period 14s fl. 1s, ec. 2s fl. 1s, ec. 10s	388 118	12	Metal pyramid with gallery.	
MANDALYA KORFEZI (T):							
20160 E 4665.8	-Tekagac Burnu.	37° 21.3' N 27° 13.1' E	Fl.W. period 15s fl. 1s, ec. 14s	49 15	10	White round concrete tower; 39.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY-GREECE							
20162 E 4665.7	Akbuk-Panayir Adasi.	37° 19.7' N 27° 19.7' E	Fl.(3)W. period 15s	115 35	12	Concrete tower; 29.	
20164 E 4665.4	-Gulluk.	37° 14.2' N 27° 35.3' E	Fl.(2)W. period 5s fl. 0.3s, ec. 1s fl. 0.3s, ec. 3.4s	49 15	14	White round concrete tower; 16.	
20165 E 4665.3	-Yilan Ada.	37° 11.9' N 27° 33.0' E	Fl.G. period 5s fl. 1s, ec. 4s	49 15	7		
20166 E 4665.5	-Karaburun Feneri.	37° 13.5' N 27° 31.5' E	Fl.R. period 5s fl. 1s, ec. 4s	59 18	5		
20168 E 4665.6	-Incegol Burnu.	37° 13.8' N 27° 30.3' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	43 13	12	White concrete tower; 29.	
20172 E 4665.2	-Kara Ada, NW. point.	37° 10.7' N 27° 23.1' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	56 17	10	White concrete tower; 20.	
20174 E 4665.25	Gundogan, breakwater.	37° 07.6' N 27° 20.7' E	Fl.G. period 5s fl. 1s, ec. 4s	33 10	5	Metal framework tower.	
20176 E 4708.5	Buyukkiremit Adasi (T.).	37° 05.0' N 27° 14.0' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	292 89	10	White concrete tower; 20.	
20180 E 4708	Kalolimnos (Gr.).	37° 03.6' N 27° 06.2' E	Fl.W. period 3s fl. 0.4s, ec. 2.6s	95 29	7	Metal framework tower on pedestal; 16.	Visible 122°-055°.
20186 E 4710	Limin Kalimnou, S. mole, head.	36° 56.9' N 26° 59.6' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	33 10	6	Metal framework with gallery; 10.	
20187 E 4710.4	-Vouvali fishing harbor, N. mole, head.	36° 57.0' N 26° 59.5' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	23 7	6	Metal framework tower, column and gallery; 26.	
NISIS PSERIMOS (GR.):							
20192 E 4711.3	-Nisis Nekrothikes, W. side of island.	36° 57.2' N 27° 05.7' E	Fl.W.R. period 5s fl. 0.5s, ec. 4.5s	75 23	W. 6 R. 4	Metal framework on round hut.	W. 049°-349°, R.-049°.
20196 E 4711	-Akra Rousa, E. point of island.	36° 55.4' N 27° 10.8' E	Fl.(2)W.R. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	141 43	W. 12 R. 9	Round hut.	W. 182°-262°, R.-281°, W.-086°, obsc.-182°.
20200 E 4711.5	Nisis Safonidhi (Gr.).	36° 53.1' N 26° 55.3' E	L.Fl.W. period 10s fl. 2s, ec. 8s	210 64	9	Metal framework on pedestal; 26.	
20204 E 4708.7	-Catal Ada.	37° 00.7' N 27° 13.4' E	Fl.(4)W. period 20s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 12s	157 48	6	White column.	
20205 E 4709	Topan.	37° 00.4' N 27° 10.9' E	Fl.W. period 5s fl. 0.3s, ec. 4.7s	177 54	7	Metal framework tower; 26.	
KOS CHANNEL (T.):							
20208 E 4712	-Fener Burnu.	36° 57.9' N 27° 15.9' E	Fl.(2)W. period 15s	49 15	14	White stone tower, dwelling; 30.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY-GREECE							
BODRUM LIMANI:							
20212 E 4714	-Kargi Ada, on islet.	36° 57.6' N 27° 18.3' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	108 33	8	White column; 26.	
20216 E 4730	-Bodrum, on W. breakwater.	37° 01.8' N 27° 25.6' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	26 8	8	White tower, 23.	
20220 E 4730.4	-E. breakwater, head.	37° 01.8' N 27° 25.6' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	26 8	8	White metal framework tower; 20.	
20222 E 4729	-Haremten.	37° 00.9' N 27° 24.9' E	Q.(6)+L.Fl.W. period 15s	20 6	6	S. CARDINAL YB, pile, topmark; 13.	
20224 E 4728	-Kara Ada, Karaada Feneri.	36° 59.8' N 27° 25.5' E	Fl.(2)W. period 5s fl. 0.3s, ec. 1s fl. 0.3s, ec. 3.4s	23 7	5	White metal tower; 26.	
KERME KORFEZI (T.):							
20228 E 4731	-Sanacak Burnu.	37° 01.3' N 27° 58.4' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	20 6	8	White iron tripod; 16.	
20230	-Mersincik Burnu.	36° 50.1' N 28° 00.2' E	Fl.W.R. period 3s fl. 0.3s, ec. 2.7s	98 30	W. 7 R. 5	White framework tower; 16.	W. 270°-154°, R.-270°.
20231	Orak Adasi.	36° 58.1' N 27° 36.1' E	Fl.W. period 10s fl. 1s, ec. 9s	56 17	7	Metal framework pylon; 20.	
20232 E 4731.7	-Ince Burnu.	36° 48.7' N 27° 38.5' E	Fl.(2)W. period 5s	184 56	7	Metal framework; 26.	
20236 E 4731.6	-Koyun Burnu.	36° 55.6' N 28° 01.3' E	Fl.(3)W. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	56 17	7	White column; 39.	
20240 E 4731.4	-Sehir Adalari, Orta Ada.	37° 00.0' N 28° 12.3' E	Fl.W.R. period 10s fl. 0.5s, ec. 9.5s	49 15	9	White metal framework tower; 33.	R. 024°-056°, W.-024°.
20244 E 4722	-Akra Ammoglossa.	36° 55.0' N 27° 16.8' E	Fl.R. period 4s fl. 0.8s, ec. 3.2s	23 7	9	Metal framework on square hut, red band; 16.	Visible 080°-320°.
NISOS KOS (GR.):							
20256 E 4726	-Limin Kos, W. mole, head.	36° 53.9' N 27° 17.3' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	29 9	3	Concrete hexagonal hut, column and gallery, green band.	
20257 E 4726.3	--Entrance, NE. end.	36° 53.9' N 27° 17.4' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	33 10	3	Column with gallery on white hut, red band; 26.	
20258 E 4726.4	-Kos Marina, W. mole, head.	36° 53.6' N 27° 18.1' E	Fl.G. period 4s fl. 0.3s, ec. 3.7s	23 7	3	Metal framework, gallery, metal column, green band; 20.	
20258.5 E 4726.5	--E. mole, head.	36° 53.6' N 27° 18.0' E	Fl.R. period 4s fl. 0.3s, ec. 3.7s	23 7	3	Metal framework, gallery, metal column, red band; 20.	
20260 E 4726.6	-Akra Louros.	36° 53.4' N 27° 20.3' E	Fl.(3)W.R. period 15s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 11.7s	30 9	W. 6 R. 4	Metal framework tower on round hut; 23.	W. 130°-060°, R.-130°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY-GREECE							
20261 E 4726.7	-Okeanis, mole.	36° 52.5' N 27° 21.1' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	White metal column with red band; 16.	
20264 E 4727	-Akra Ayios Fokas.	36° 51.5' N 27° 21.5' E	Fl.W. period 4s fl. 0.4s, ec. 3.6s	75 23	6	Metal framework tower; 20.	
20265 E 4727.5	-Porto Bello Hotel, S. breakwater, head.	36° 45.8' N 27° 07.1' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework with gallery, metal column and red band; 20.	
20266 E 4727.55	--N. breakwater, head.	36° 45.8' N 27° 07.1' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework with gallery, metal column and green band; 20.	
20268 E 4727.6	-Ormos Kamari.	36° 44.2' N 26° 58.4' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	23 7	4	Concrete hexagonal hut with column and gallery, red band; 18.	
20270 E 4727.7	-Mastikhari, mole, head.	36° 51.2' N 27° 04.6' E	Fl.G. period 3s fl. 1s, ec. 2s	33 10	6	White hexagonal hut with column, green band.	
NISIS YIALI (GR.):							
20272 E 4716	-Ayios Andonios.	36° 39.7' N 27° 08.2' E	Fl.W. period 2s fl. 0.3s, ec. 1.7s	46 14	5	Metal framework tower on pedestal.	Visible 217°-110°.
NISOS NISIROS (GR.):							
20276 E 4718	-Mandrakion, small mole, head.	36° 36.8' N 27° 08.3' E	Q.G.	20 6	3	Metal framework tower on pedestal, green band.	Locally maintained.
20280 E 4720	-Akra Palos.	36° 37.2' N 27° 11.2' E	Fl.(2)W. period 9s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 6.2s	92 28	12	White round hut, metal framework; 16.	Visible 100°-319°.
GREECE-DHODHEKANISOI							
NISOS TILOS (GR.):							
20284 E 4721	-Vrakhonisi Gaidharos.	36° 29.1' N 27° 17.1' E	Fl.(2)W. period 16s fl. 1s, ec. 2s fl. 1s, ec. 12s	233 71	10	Metal framework; 13.	
20285 E 4721.1	-Agios Antonios, N. mole, head.	36° 27.6' N 27° 20.1' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework, gallery and metal column, red band.	
20285.1 E 4721.2	--S. mole, head.	36° 27.6' N 27° 20.1' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework, gallery and metal column, green band.	
20288 E 4721.4	-Ormos Livadhia.	36° 24.8' N 27° 24.2' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	85 26	3	Metal framework tower on pedestal, red band.	Visible 008°-208°.
20292 E 4764	Nisis Kandhelousa (Gr.).	36° 30.0' N 26° 57.5' E	Fl.W. period 10s fl. 0.3s, ec. 9.7s	181 55	17	Round tower and dwelling; 33.	Visible 291°-214°.
20300 E 4766.2	-Limin Maltezana, pier, head.	36° 34.6' N 26° 23.3' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	20 6	4	Metal framework on white round hut, green band; 16.	
20304 E 4767	-Akra Palli.	36° 34.8' N 26° 20.2' E	Fl.W.R. period 3s fl. 0.3s, ec. 2.7s	39 12	W. 5 R. 3	Metal framework on white round hut; 17.	W. 138°-172°, R.-237°, W.-354°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE-DHODHEKANISOI							
20308 <i>E 4765</i>	-Akra Floudha.	36° 38.6' N 26° 22.8' E	Fl.(2)W. period 14s fl. 1s, ec. 2s fl. 1s, ec. 10s	338 103	12	Metal framework with gallery on white square hut; 24.	
20312 <i>E 4766</i>	-Limin Skala, N. side of entrance.	36° 33.0' N 26° 21.6' E	Fl.W.R. period 3s fl. 0.4s, ec. 2.6s	46 14	W. 5 R. 3	White metal framework; 10.	W. 193°-261°, R.-293°, W.-080°.
20313 <i>E 4765.8</i>	-Skala Astipalaia, SE. quay.	36° 32.9' N 26° 21.4' E	3 F.G. (vert.)	23 7	3	White metal column.	Lights form inverted "L".
20314 <i>E 4765.82</i>	--NW. Quay.	36° 32.9' N 26° 21.3' E	3 F.G. (vert.)	23 7	3	White metal column.	Lights form inverted "L".
20316 <i>E 4765.7</i>	-Nisis Khondro, E. side.	36° 33.8' N 26° 24.3' E	Fl.W. period 4.5s fl. 0.3s, ec. 4.2s	49 15	4	White round hut; 12.	Visible 121°-323°.
20320 <i>E 4765.5</i>	-Akra Poulari.	36° 34.9' N 26° 28.4' E	Fl.(2)W. period 9s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 7.2s	102 31	7	White metal framework; 12.	
20324 <i>E 4764.5</i>	Nisis Plakhida.	36° 17.1' N 26° 45.0' E	Fl.W.R. period 3s fl. 0.3s, ec. 2.7s	279 85	W. 9 R. 6	Metal framework on round hut.	R. 068°-248°, W.-068°.
20328 <i>E 4760.3</i>	Nisis Astakidha.	35° 52.5' N 26° 49.5' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	190 58	8	Metal framework on round hut; 8.	Visible 199°30'-148°30'.
20332 <i>E 4761</i>	Nisidhes Sofrana.	36° 05.0' N 26° 23.4' E	Fl.W. period 10s fl. 0.5s, ec. 9.5s	121 37	10	Metal framework with gallery on square hut.	Visible 065°-300°.
20336 <i>E 4760.7</i>	Ounianisia.	35° 49.6' N 26° 27.8' E	Fl.(2)W. period 16s fl. 1s, ec. 2s fl. 1s, ec. 12s	345 105	7	Metal framework on round hut.	
20340 <i>E 4761.3</i>	Kamilonisi.	35° 51.8' N 26° 14.6' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	135 41	5	Metal framework on white round hut; 18.	
NISIS KASOS (GR.):							
20344 <i>E 4761.8</i>	-Emborios.	35° 25.3' N 26° 57.4' E	Fl.G. period 1.5s fl. 0.2s, ec. 1.3s	36 11	3	Metal framework with column and gallery, green band.	
20348 <i>E 4762</i>	-Bouka.	35° 25.1' N 26° 55.4' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework on white round hut, red band; 17.	
20352 <i>E 4763</i>	--Akra Ayios Yeoryios.	35° 25.3' N 26° 55.6' E	Fl.W.R. period 3s fl. 0.3s, ec. 2.7s	98 30	W. 5 R. 3	Metal framework; 10.	R. 083°-175°, W.-241°, R.-251°, W.-257°.
20356 <i>E 4763.5</i>	-Nisis Plati, summit.	35° 21.7' N 26° 49.4' E	Fl.W. period 8s fl. 1s, ec. 7s	122 37	9	White round hut.	
20360 <i>E 4763.2</i>	-Akra Aviaki.	35° 20.8' N 26° 50.9' E	Fl.W. period 4s fl. 0.6s, ec. 3.4s	89 27	6	Metal framework on round hut; 30.	Visible 278°-208°.
20364 <i>E 4761.5</i>	-Nisis Strongili.	35° 26.4' N 27° 01.0' E	Fl.(2)W.R. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	75 23	W. 7 R. 5	Metal column on round hut.	W. 091°-243°, R.-258°, W.-006°.
NISOS KARPATOS (GR.):							
20366 <i>E 4757</i>	-Akra Kastellos.	35° 23.9' N 27° 08.3' E	Fl.W.R. period 3s fl. 0.5s, ec. 2.5s	39 12	W. 7 R. 4	Metal framework.	R. 225°-252°, W.-134°, obs.-225°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE-DHODHEKANISOI							
20368 <i>E 4757.5</i>	-Foiniki.	35° 29.5' N 27° 07.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	30 9	3	Metal framework tower, red band, gallery.	
20372 <i>E 4758.4</i>	-Dhiafani.	35° 45.3' N 27° 12.9' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	59 18	4	Metal framework on round hut.	
20374 <i>E 4758.45</i>	--Mole, head.	35° 45.4' N 27° 12.8' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Metal framework tower, red band.	
20376 <i>E 4760</i>	-Nisis Saria, Akra Paraspori.	35° 54.3' N 27° 13.7' E	Fl.(2)W. period 16s fl. 1s, ec. 2s fl. 1s, ec. 12s	161 49	12	Metal framework; 20.	Visible 066°-288°.
20380 <i>E 4759</i>	-Ormos Tristoma, S. islet.	35° 49.3' N 27° 12.3' E	Fl.R. period 5s fl. 0.7s, ec. 4.3s	39 12	4	Metal framework on white round hut, red band.	
20381 <i>E 4758.1</i>	-Limenas Pigadhia, mole, head.	35° 30.6' N 27° 12.9' E	Fl.R. period 4s fl. 0.4s, ec. 3.6s	23 7	3	Metal framework tower with gallery, red band.	
20382 <i>E 4758.2</i>	-Nisidha Dhespotiko.	35° 30.9' N 27° 12.7' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	33 10	6	White round hut with metal framework tower.	
NISOS NISAKI (GR.):							
20384 <i>E 4739</i>	-Summit of island.	36° 12.8' N 27° 37.5' E	Fl.W.R. period 6s fl. 1s, ec. 5s	246 75	W. 8 R. 6	White metal framework with gallery and column; 16.	R. 232°-244°, W.-280°, R.-297°, W.-232°.
NISOS RODHOS (GR.):							
20388 <i>E 4756</i>	-Akra Prasonisi.	35° 52.3' N 27° 45.0' E	Fl.(4)W. period 30s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 14.9s	200 61	17	Round tower on dwelling; 46.	Visible 273°-179°.
20392 <i>E 4740</i>	-Nisis Tragousa, summit of island.	36° 13.0' N 27° 42.1' E	Fl.(2)W.R. period 14s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 11.5s	200 61	W. 8 R. 6	White metal framework with gallery and column; 13.	R. 112°-125°, W.-112°.
20394 <i>E 4738</i>	--Emporeio Bay.	36° 13.2' N 27° 37.2' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	39 12	6	White metal framework with gallery and column; 13.	Visible 175°-045°.
20396 <i>E 4741</i>	-Skala Kamiros.	36° 16.3' N 27° 49.2' E	Fl.W. period 3s fl. 0.4s, ec. 2.6s	66 20	8	Metal framework tower on round hut.	
20400	-Rodhos AVIATION LIGHT, airport control tower.	36° 22.5' N 28° 04.7' E	Al.Fl.W.G. period 6s	246 75	15		
20404 <i>E 4742</i>	-Submarine pipeline, outer end.	36° 23.6' N 28° 03.2' E	Fl.(2)R. period 20s	20 6	2	Post.	Buoy Q.R. close SW.
20408 <i>E 4743</i>	-Akra Milon (Koum), NE. extremity of island.	36° 27.3' N 28° 13.3' E	Fl.W.R. period 4s fl. 0.4s, ec. 3.6s	33 10	W. 6 R. 4	White hexagonal hut with column and gallery.	W. 037°-286°, R.-314°, obscured elsewhere.
-Limin Rodhos:							
20412 <i>E 4745</i>	--Akra Aoimbakadhartiriou.	36° 27.2' N 28° 13.6' E	Fl.R.G. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework tower on white round hut; 17.	G. 206°-111°, R. elsewhere.
20416 <i>E 4744</i>	--Ayios Nikolaos.	36° 27.0' N 28° 13.7' E	Fl.(2)W. period 12s fl. 1.2s, ec. 3s fl. 1.2s, ec. 6.6s	79 24	11	Lantern on white tower; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GREECE-DHODHEKANISOI							
20420 <i>E 4747</i>	--Limin Mandhraki, W. mole, head.	36° 26.9' N 28° 13.6' E	F.G.	20 6	2	Masonry column.	Visible 133°-040°.
20424 <i>E 4746</i>	--E. mole, head.	36° 27.1' N 28° 13.6' E	F.R.	20 6	2	Masonry column.	Visible 335°-244°.
20428 <i>E 4749</i>	--Limin Emborikos (Porto Mercantile), E. breakwater.	32° 26.7' N 28° 14.0' E	Fl.R. period 2s fl. 0.2s, ec. 1.8s	26 8	4	Metal framework on white square hut, red band; 23.	
20432 <i>E 4750</i>	--Breakwater, head.	36° 26.6' N 28° 13.8' E	Fl.G. period 2s fl. 0.2s, ec. 1.8s	39 12	4	Iron framework structure, green band; 16.	
20434 <i>E 4752</i>	--Akantia, E. mole, head.	36° 26.9' N 28° 14.2' E	Fl.R. period 5s fl. 0.8s, ec. 4.2s	33 10	6	Metal framework tower with gallery and red band.	
20435 <i>E 4751.5</i>	-Kanamati, Repair Centre, N. mole, elbow.	36° 25.2' N 28° 14.0' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework, gallery and metal column, green band.	
20435.5 <i>E 4751.7</i>	--S. mole.	36° 25.2' N 28° 14.0' E	Fl.R. period 3s	36 11	3	Metal framework, gallery and metal column, red band.	
20435.6	-Ormos Kalithion, inner mole, head.	36° 20.2' N 28° 12.5' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework with gallery metal column, green band; 19.	
20435.7	--Outer mole, head.	36° 20.2' N 28° 12.5' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Metal framework with gallery metal column, red band; 23.	
20436 <i>E 4755.5</i>	-Ormos Lardhos.	36° 04.1' N 28° 00.2' E	Fl.G. period 3s	23 7	3	Metal framework with gallery, metal column, green band; 19.	
20440 <i>E 4755</i>	-Vakros Paximadha.	36° 00.8' N 28° 05.6' E	Fl.W.R. period 4s fl. 0.4s, ec. 3.6s	79 24	W. R. 9 6	Metal column on white round hut; 20.	W. 184°-139°, R.-184°.
TURKEY-SOUTH COAST							
20452 <i>E 4732</i>	Deveboynu Burnu.	36° 41.3' N 27° 21.8' E	Fl.(2)W. period 10s	340 104	12	White concrete tower and dwelling; 29.	Visible 315°-183°.
RACON		D(- • •)					
20456 <i>E 4732.5</i>	Ince Burun.	36° 39.6' N 27° 42.8' E	Fl.(3)W. period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 9.5s	46 14	8	White concrete tower; 26.	
20460 <i>E 4733</i>	Som Adasi.	36° 43.5' N 27° 45.9' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	34 10	3	White concrete tower; 16.	
NISOS SIMI (GR.):							
20464 <i>E 4734</i>	-Vrakhonisis Khondros.	36° 39.3' N 27° 49.2' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	82 25	5	Metal framework on white round hut; 20.	
20466 <i>E 4734.2</i>	-Akra Makria, Nisos Nimos, N. point.	36° 39.7' N 27° 51.4' E	Fl.W. period 4s fl. 0.5s, ec. 3.5s	52 16	6	White metal framework.	
20468 <i>E 4735.1</i>	-Akra Pedhi (Filonika).	36° 37.1' N 27° 52.7' E	Fl.W. period 6s fl. 0.4s, ec. 5.6s	66 20	4	Metal framework on white round hut; 17.	
20472 <i>E 4735</i>	-Akra Koutsoumba.	36° 38.1' N 27° 52.3' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	69 21	5	White house; 10.	Visible 069°-338°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY-SOUTH COAST							
20476 <i>E 4734.4</i>	-Porto Simis.	36° 37.2' N 27° 50.6' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	3	White round hut, metal framework, green band; 17.	
20480 <i>E 4735.2</i>	-Limin Panormitou.	36° 33.1' N 27° 50.0' E	Fl.R. period 2s fl. 0.2s, ec. 1.8s	46 14	3	Iron tower with column; 16.	Visible 308°-173°, obscured elsewhere.
20484 <i>E 4735.5</i>	-Nisis Koulohdros.	36° 31.0' N 27° 52.2' E	Fl.(3)W. period 15s fl. 0.7s, ec. 2.4s fl. 0.7s, ec. 2.4s fl. 0.7s, ec. 8.1s	98 30	15	White round hut with framework.	Visible 218°-102°.
20488 <i>E 4736</i>	-Marmara Islet.	36° 33.7' N 27° 45.6' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	125 38	6	Metal framework on round hut.	Visible 218°-168°.
20490 <i>E 4733.4</i>	Atabol Kayasi.	36° 40.1' N 27° 57.6' E	Fl.(2)W. period 5s	16 5	6	ISOLATED DANGER BRB, column, topmark.	
20492 <i>E 4737</i>	Alobi Br.	36° 33.1' N 28° 00.1' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	131 40	10	White metal framework tower; 33.	
20496 <i>E 5836</i>	Kadirga Burnu, near extremity.	36° 43.9' N 28° 18.1' E	Fl.(3)W. period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	128 39	12	White mast on dwelling; 39.	
20500 <i>E 5838</i>	Kec Adasi, S. point of islet.	36° 47.9' N 28° 15.6' E	Fl.R. period 2s fl. 0.2s, ec. 1.8s	98 30	7	White mast on dwelling; 39.	
20504 <i>E 5838.4</i>	Yilancik Adasi.	36° 46.5' N 28° 26.9' E	Fl.W.R. period 5s fl. 0.5s, ec. 4.5s	335 102	W. 10 R. 7	White metal framework tower; 23.	W. 098°-086°, R.-098°.
20506 <i>E 5838.5</i>	Delikkaya Burnu.	36° 49.8' N 28° 25.6' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	328 100	8	Metal framework tower; 20.	
20508 <i>E 5838.6</i>	Bugluca.	36° 50.3' N 28° 27.6' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	220 67	6	Metal framework tower; 20.	
20509 <i>E 5838.65</i>	Aksaz.	36° 50.5' N 28° 23.1' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	82 25	3	Metal framework tower; 20.	
20509.1 <i>E 5838.67</i>	Canakci.	36° 51.2' N 28° 23.7' E	Fl.(2)R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	33 10	5	Metal framework tower; 20.	
20509.2 <i>E 5838.68</i>	Akburun.	36° 51.3' N 28° 24.5' E	Fl.(2)G. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	33 10	5	Metal framework tower; 20.	
20510 <i>E 5838.7</i>	Kargili Burnu.	36° 51.8' N 28° 26.5' E	Q.W.	197 60	10	Metal framework tower; 20.	
20512 <i>E 5839.4</i>	Karacay.	36° 49.4' N 28° 33.0' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	131 40	5	Framework tower.	
20516 <i>E 5839</i>	Dalyan, on the islet.	36° 47.9' N 28° 35.6' E	Fl.(2)W. period 5s fl. 0.3s, ec. 1s fl. 0.3s, ec. 3.4s	115 35	8	White tower; 20.	
20520 <i>E 5839.45</i>	Baba Adasi, on islet.	36° 41.6' N 28° 41.7' E	Fl.(2)W. period 5s fl. 0.3s, ec. 1s fl. 0.3s, ec. 3.4s	190 58	9	White metal framework pylon; 26.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY-SOUTH COAST							
20524 <i>E 5838.2</i>	Yildiz Adasi, NW. corner of island, near extremity.	36° 48.9' N 28° 15.8' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	29 9	5	White tower.	
20526 <i>E 5838.3</i>	-Marmaris, S. breakwater "A".	36° 51.2' N 28° 16.6' E	F.G.	13 4	2	White metal structure; 10.	
20526.5 <i>E 5838.35</i>	--N. breakwater "B".	36° 51.1' N 28° 16.7' E	F.R.	13 4	2	White metal structure; 10.	
20528 <i>E 5844.2</i>	Ilbiz Burnu.	36° 32.7' N 29° 00.6' E	Fl.(2)W. period 5s fl. 0.3s, ec. 1s fl. 0.3s, ec. 3.4s	75 23	10	White framework tower.	
20532 <i>E 5839.5</i>	Peksimet Adasi.	36° 34.0' N 28° 49.5' E	Fl.W. period 10s fl. 1s, ec. 9s	115 35	12	White concrete tower; 26.	
FETHIYE KORFEZI:							
20536 <i>E 5841</i>	-Kizil Adalar.	36° 39.3' N 29° 02.5' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	105 32	15	White stone tower with gallery, white dwelling; 43.	
-RACON O(---)							
20538 <i>E 5843.5</i>	-Pacariz Burnu.	36° 38.5' N 29° 06.1' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	46 14	4	Concrete tower; 26.	
20540 <i>E 5842</i>	-Megri Adasi, S. point.	36° 38.9' N 29° 05.9' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	56 17	3	White metal column; 20.	
20544 <i>E 5843</i>	-Sunk Rock, 1060 meters 269° from Megri Adasi.	36° 38.8' N 29° 05.1' E	V.Q.W.	23 7	5	N. CARDINAL BY, topmark; 16.	
20550 <i>E 5843.7</i>	-Breakwater, head.	36° 37.5' N 29° 06.0' E	Fl.R. period 5s fl. 1s, ec. 4s	20 6	4	Red framework tower.	
20551 <i>E 5843.8</i>	--S. breakwater, head.	36° 37.5' N 29° 06.0' E	Fl.G. period 5s fl. 1s, ec. 4s	20 6	4	Green framework tower.	
20552 <i>E 5840</i>	-Gocek Adasi (Kizlan Ada).	36° 42.7' N 28° 57.0' E	Fl.(2)W. period 10s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 7.7s	39 12	8	White framework tower; 20.	
20556 <i>E 5840.4</i>	-Gocek Limani, 1,152 meters 255°30' from pier.	36° 45.1' N 28° 55.3' E	Fl.W.R. period 3s fl. 0.3s, ec. 2.7s	49 15	W. 7 R. 4	White metal framework tower; 20.	W. 314°-326°, R.-314°.
20558 <i>E 5844.21</i>	Karacaoren Rock.	36° 32.3' N 29° 03.4' E	V.Q.(6)+L.Fl.W. period 10s	33 10	5	S. CARDINAL YB, beacon, topmark; 16.	
20560 <i>E 5844.4</i>	Kutuburun.	36° 23.5' N 29° 06.2' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	92 28	12	White metal tripod; 20.	
20563 <i>E 5844.9</i>	Eden AVIATION LIGHT.	36° 15.2' N 29° 21.4' E	Fl.R.	1860 567	5	Television mast; 66.	
20564 <i>E 5844.6</i>	Catal Adasi, SW. point.	36° 12.7' N 29° 21.0' E	Fl.W. period 5s	249 76	5	White metal framework tower; 20.	Visible 241°-206°.
20565 <i>E 5844.8</i>	Kalkan Limani, S. breakwater.	36° 15.7' N 29° 24.9' E	Fl.R. period 5s fl. 1s, ec. 4s	33 10	5	Concrete tower; 22.	
20566	-Entrance, W. side.	36° 15.8' N 29° 24.9' E	Fl.G. period 5s fl. 1s, ec. 4s	33 10	5		

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY-SOUTH COAST							
20568 <i>E 5847.6</i>	Bucak Roads, Kas Mevkil.	36° 12.3' N 29° 36.6' E	Fl.(2)W.R.G. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	52 16	W. 5 R. 4 G. 4	Galvanised sheet iron tower; 33.	G. 297°-065°, W.-071°, R.-093°.
NISOS MEYISTI (GR.):							
20572 <i>E 5845</i>	-Akra Agios Stefanos.	36° 09.9' N 29° 35.3' E	Fl.W.R. period 4.5s fl. 0.3s, ec. 4.2s	59 18	W. 5 R. 3	White metal framework; 18.	W. 060°-086°, R.-125°, W.-254°.
20576 <i>E 5846</i>	-Meyisti, E. side of entrance.	36° 09.0' N 29° 35.6' E	Fl.R. period 2.4s fl. 0.2s, ec. 2.2s	30 9	3	Metal framework tower, white square hut, red band; 19.	Visible 020°-252°.
20580 <i>E 5847</i>	Bayindir Limani, Kas.	36° 10.9' N 29° 38.6' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	33 10	5	White metal framework tower; 20.	
20581 <i>E 5846.5</i>	-AVIATION LIGHT.	36° 10.3' N 29° 39.4' E	Fl.R.	715 218	10	Television mast; 33.	
20584 <i>E 5848</i>	Nisos Ipsili (Strongili).	36° 06.6' N 29° 37.9' E	Fl.W. period 5s fl. 0.1s, ec. 4.9s	351 107	17	Round tower on dwelling; 22.	
20588 <i>E 5848.4</i>	Kekova Olu Deniz.	36° 10.8' N 29° 49.8' E	Fl.W.G. period 3s	98 30	W. 7 G. 4	Metal framework tower.	W. 355°-358°, G. elsewhere.
20592 <i>E 5848.2</i>	-Adasi, SW. point.	36° 10.3' N 29° 50.6' E	Fl.(2)W. period 5s fl. 0.3s, ec. 1s fl. 0.3s, ec. 3.4s	180 55	8	Pillar.	
20596 <i>E 5848.5</i>	Kekova Adasi, E. point.	36° 11.6' N 29° 55.1' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	115 35	14	Metal framework tower on concrete base; 20.	
FINIKE KORFEZI:							
20604 <i>E 5849</i>	--Finike.	36° 16.6' N 30° 09.1' E	F.R.	165 50	4	Framework tower; 98.	Radiobeacon.
20608 <i>E 5849.4</i>	--E. breakwater, head.	36° 17.6' N 30° 09.2' E	Fl.R. period 5s fl. 0.3s, ec. 4.7s	42 13	6	Concrete tower; 30.	
20612 <i>E 5849.6</i>	--W. breakwater, head.	36° 17.8' N 30° 09.0' E	Fl.G. period 5s fl. 0.3s, ec. 4.7s	42 13	6	Concrete tower.	
20616 <i>E 5850</i>	-Gelidonya Burnu.	36° 13.1' N 30° 25.3' E	Fl.(3)W. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	744 227	15	White stone tower, dwelling; 30.	
20620 <i>E 5852</i>	-Yardamci, cape, outer head.	36° 12.6' N 30° 24.9' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	118 36	8	White stone tower on 4 legs; 16.	
20624 <i>E 5854</i>	Adrasan Limani, S. side of entrance.	36° 17.8' N 30° 29.0' E	Mo.(A)W. period 15s fl. 1s, ec. 2s fl. 2s, ec. 10s	147 45	8	White iron skeleton structure, dwelling; 33.	
20628 <i>E 5854.4</i>	Av Burnu.	36° 35.8' N 30° 35.3' E	Fl.W. period 10s fl. 1s, ec. 9s	460 140	14	Metal framework tower; 23.	
20630 <i>E 5854.8</i>	-Kemer Harbor, N. rock..	36° 36.7' N 30° 34.5' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	23 7	8	Round tower on platform; 10.	
20632 <i>E 5855</i>	Antalya (New Harbor), main breakwater.	36° 50.1' N 30° 36.9' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	49 15	6	Concrete tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY-SOUTH COAST							
20636 <i>E 5855.4</i>	-Lee breakwater.	36° 50.1' N 30° 36.9' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	46 14	6	Concrete tower.	
20640 <i>E 5857</i>	Antalya, N. mole.	36° 53.1' N 30° 42.1' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	4	White iron structure, concrete base; 16.	
20644 <i>E 5856</i>	-S. mole.	36° 53.0' N 30° 42.2' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	4	White iron structure; 16.	
20648 <i>E 5858</i>	Baba Burnu.	36° 50.7' N 30° 45.5' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	114 35	14	White stone tower, dwelling; 20.	
20652 <i>E 5859</i>	Selimiye, on extremity of point.	36° 46.0' N 31° 23.1' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	46 14	9	Metal tower; 39.	
20656 <i>E 5860</i>	Alanya.	36° 31.6' N 32° 00.7' E	Fl.W. period 20s fl. 0.2s, ec. 19.8s	686 209	20	White stone tower and dwelling; 20.	Visible 249°-108°.
20660 <i>E 5861</i>	Selinti Burnu.	36° 14.2' N 32° 17.8' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	108 33	8	White lattice mast; 26.	
20664 <i>E 5862</i>	Anamur Burnu.	36° 01.2' N 32° 48.1' E	Fl.(2)W. period 5s fl. 0.3s, ec. 1s fl. 0.3s, ec. 3.4s	223 68	15	White masonry tower, dwelling; 33.	
20668 <i>E 5866</i>	Soguksu Limani, Aydincik, E. side of entrance.	36° 08.1' N 33° 20.7' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	75 23	8	Iron framework tower, masonry base; 13.	
20669 <i>E 5866.5</i>	Ovacik, W. breakwater, head.	36° 11.2' N 33° 39.3' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	39 12	5	Concrete tower; 30.	
20669.1 <i>E 5866.51</i>	-E. breakwater, head.	36° 11.2' N 33° 39.4' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	39 12	5	Concrete tower; 30.	
20670 <i>E 5867</i>	Ovacik Yarimadasi.	36° 08.2' N 33° 41.1' E	Fl.(2)W. period 5s fl. 0.3s, ec. 1s fl. 0.3s, ec. 3.4s	141 43	18	White round column; 33.	
20672 <i>E 5868</i>	Dana Adasi, NE. point.	36° 11.4' N 33° 48.6' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	229 70	10	White iron pedestal, concrete base; 13.	Visible 131°-022°.
20676 <i>E 5871</i>	Limankalesi, Aghaliman Burnu.	36° 16.5' N 33° 50.5' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	75 23	8	Metal framework tower; 26.	
20680 <i>E 5871.3</i>	Tasucu, breakwater, head.	36° 18.9' N 33° 52.9' E	Fl.(2)R. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	39 12	6	White metal framework tower; 26.	
20684 <i>E 5871.32</i>	-Inner breakwater, head.	36° 19.0' N 33° 52.9' E	Fl.(2)G. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	39 12	6	White metal framework tower; 23.	
20688 <i>E 5871.4</i>	Saka, main breakwater.	36° 18.6' N 33° 53.4' E	Fl.G. period 3s fl. 1s, ec. 2s	23 7	5	Concrete tower.	
20692 <i>E 5871.42</i>	Kucuk, breakwater.	36° 18.7' N 33° 53.5' E	Fl.R. period 3s fl. 1s, ec. 2s	23 7	5	Concrete tower.	
20696 <i>E 5871.5</i>	Incekum Burnu.	36° 15.8' N 33° 58.5' E	Fl.W. period 10s fl. 1s, ec. 9s	42 13	10	White metal pylon.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY-SOUTH COAST							
MERSIN LIMANI:							
20708 E 5872	-Mersin.	36° 47.1' N 34° 37.1' E	Fl.(3)W. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	53 16	15	White stone tower dwelling; 49.	
20712 E 5872.2	-S. breakwater, head.	36° 47.1' N 34° 38.5' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	30 9	10	Concrete tower; 16.	
20716 E 5872.4	--Elbow.	36° 47.1' N 34° 38.1' E	Dir.Fl.W.R. period 5s fl. 0.5s, ec. 4.5s	33 10	5	Iron framework tower, concrete base; 16.	W. 219°-221°30'. Shown on axis of harbor fairway.
20720 E 5873	-N. breakwater, head.	36° 47.3' N 34° 38.6' E	Fl.G. period 3s	30 9	10	White concrete tower; 16.	F.R. on silos 1 mile NNE.
20724 E 5873.2	-Harbor Range, front.	36° 48.5' N 34° 39.6' E	Oc.G. period 3s lt. 2s, ec. 1s	62 19	7	Iron framework tower, concrete base; 57.	Fairway marked by lighted buoys showing Q.W.
20728 E 5873.3	--Rear, about 189 meters 40° from front.	36° 48.5' N 34° 40.6' E	Oc.G. period 3s lt. 2s, ec. 1s	79 24	7	Iron framework tower, concrete base; 66.	
20744 E 5873.6	-Main breakwater, head.	36° 48.3' N 34° 41.8' E	F.R.		8	Concrete tower; 13.	
20748 E 5873.7	-Small breakwater, head.	36° 48.4' N 34° 41.8' E	F.G.		8	Concrete tower; 13.	
20752 E 5873.8	Deli Burnu.	36° 43.4' N 34° 54.5' E	Fl.(2)W. period 5s fl. 0.3s, ec. 1s fl. 0.3s, ec. 3.4s	56 17	10	White metal framework pylon; 49.	
20756 E 5874	Fener Burnu.	36° 32.5' N 35° 20.6' E	Fl.W. period 10s fl. 1s, ec. 9s	124 38	20	White metal mast and dwelling; 39.	
20760 E 5874.4	Karatas, main breakwater, head.	36° 33.4' N 35° 23.1' E	Fl.R. period 5s fl. 1s, ec. 4s	33 10	8	Concrete tower.	
20764 E 5874.5	-Small breakwater, head.	36° 33.5' N 35° 23.0' E	Fl.G. period 5s fl. 1s, ec. 4s	30 9	7	Concrete tower.	
20766 E 5874.6	--SE.	36° 33.4' N 35° 23.3' E	Fl.(2)R. period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	33 10	10	White framework tower; 33.	
20768 E 5875	Yumurtalik.	36° 47.7' N 35° 47.9' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	98 30	10	White concrete tower; 33.	
20772 E 5875.2	-Breakwater, head.	36° 46.2' N 35° 47.8' E	Fl.R. period 5s fl. 1s, ec. 4s	26 8	5	Concrete tower; 19.	
20776 E 5875.5	-Devegecegi.	36° 42.6' N 35° 43.5' E	Fl.W.R. period 3s fl. 0.3s, ec. 2.7s	23 7	W. 7 R. 5	Metal framework tower; 19.	W. 120°-210°, R.-120°.
20780 E 5910	Sugoza Termik Santrali.	36° 50.1' N 35° 53.0' E	Fl.(2)R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	20 6	5	White mast.	
20788 E 5912	Botas Liman, pier, head.	36° 51.9' N 35° 56.6' E	F.R.	33 10	5	Mast.	
20792 E 5912.02	-Close N. of pier, head.	36° 52.0' N 35° 56.7' E	F.R.	33 10	3	Mast.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TURKEY-SOUTH COAST							
20796 <i>E 5912.04</i>	-Shelter harbor, S. breakwater, head.	36° 53.0' N 35° 56.4' E	F.R.G.	10 3	3	Concrete tower.	R. 055°-150°, G.-055°.
20800 <i>E 5912.06</i>	--N. breakwater.	36° 53.0' N 35° 56.2' E	F.W.G.	10 3	3	Concrete tower.	G. 350°-150°, W.-350°.
20804 <i>E 5912.5</i>	Karargah Toros, Gubre Fertilizer Pier, head.	36° 54.3' N 35° 58.2' E	Fl.R. period 5s	33 10	5	Metal mast.	
20805 <i>E 5912.6</i>	-E. Pier.	36° 54.6' N 35° 59.5' E	F.R.	33 10	5	Dolphin; 16.	
20808 <i>E 5913</i>	Dortyol, T-head jetty, N. head.	36° 51.4' N 36° 07.9' E	Fl.W.				
20812 <i>E 5913.02</i>	-S. head.	36° 51.1' N 36° 07.9' E	Fl.W.				
20813 <i>E 5914</i>	-S. Mole.	36° 43.4' N 36° 11.1' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	33 10	10	White concrete tower; 19.	
20813.5 <i>E 5914.4</i>	--N. Mole.	36° 43.6' N 36° 11.1' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	33 10	9	Concrete tower; 26.	
20813.7 <i>E 5914.65</i>	-Pirs Ekindzhiler.	36° 41.3' N 36° 11.6' E	F.R.				
20813.9 <i>E 5914.67</i>	-Yazici jetty, head.	36° 40.9' N 36° 11.7' E	Fl.R. period 3s				
20814 <i>E 5914.7</i>	-Iskenderun Gubre Fab.	36° 39.8' N 36° 12.2' E	F.R.	75 23	1	Pillar; 59.	
ISKENDERUN:							
20816 <i>E 5916</i>	-W. point of roadstead.	36° 32.3' N 36° 03.1' E	Fl.W. period 10s fl. 1s, ec. 9s	148 45	20	White concrete tower; 33.	Obscured 234°-shore.
20820 <i>E 5915</i>	-W. breakwater, head.	36° 36.3' N 36° 11.1' E	Fl.G. period 3s	43 13	6	White metal column; 20.	Fl.R. shown on grain elevator 0.5 mile SE.
20824 <i>E 5915.22</i>	-Center mole, head.	36° 35.7' N 36° 11.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	30 9	4	White metal framework tower; 20.	
20824.5 <i>E 5915.02</i>	--W. mole, head.	36° 35.7' N 36° 11.0' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	20 6	2	White concrete tower; 16.	
20825 <i>E 5915.4</i>	-Fishing Harbor, N. breakwater.	36° 35.7' N 36° 10.7' E	F.G.	26 8	3	Concrete pillar; 16.	
20826 <i>E 5915.5</i>	--S. breakwater.	36° 35.6' N 36° 10.7' E	F.R.	26 8	3	Concrete pillar; 19.	
20832 <i>E 5917</i>	Resulhinzir.	36° 19.4' N 35° 47.0' E	Fl.(2)W. period 5s fl. 0.3s, ec. 1s fl. 0.3s, ec. 3.4s	357 109	22	White tower with dwelling; 16.	

Section 14

Cyprus, Syria, Lebanon, Israel, Egypt, Libya and Tunisia

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CYPRUS							
20836 <i>E 5908</i>	Paphos Point.	34° 45.4' N 32° 24.3' E	Fl.W. period 15s fl. 1.5s, ec. 13.5s	118 36	17	White round masonry tower; 65.	Visible 277°-141°.
20844 <i>E 5908.5</i>	Paphos Range, front.	34° 45.1' N 32° 24.4' E	F.R.	25 8	2	Mast.	
20848 <i>E 5908.51</i>	-Rear, about 165 meters 321°30' from front.	34° 45.4' N 32° 24.5' E	F.R.	41 12	2	Mast.	
20850 <i>E 5908.6</i>	Port entrance.	34° 45.2' N 32° 24.5' E	Q.R.	16 5	4		
20852 <i>E 5876.4</i>	-Akrotiri AVIATION LIGHT.	34° 35.1' N 32° 59.4' E	Mo.(AK)R.	121 37		Beacon.	Occasional.
20856 <i>E 5876</i>	Cape Gata.	34° 33.6' N 33° 01.4' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	190 58	15	White masonry tower.	Obscured 130°-189°.
20860 <i>E 5876.2</i>	Akrotiri, breakwater, head.	34° 34.3' N 33° 02.0' E	Fl.R. period 10s	36 11	5	White framework tower; 36.	
20864 <i>E 5876.3</i>	-Harbor entrance, W. side.	34° 34.3' N 33° 01.9' E	Fl.G. period 10s	36 11	3	White framework tower; 36.	
20868 <i>E 5876.6</i>	-Ro Ro Berth, NE. dolphin.	34° 34.1' N 33° 02.0' E	Fl.(2)R. period 10s fl. 0.7s, ec. 1.3s fl. 0.7s, ec. 7.3s	30 9	3	Dolphin; 33.	
20872 <i>E 5876.8</i>	--SW. dolphin.	34° 34.3' N 33° 02.2' E	Fl.R. period 10s fl. 0.7s, ec. 9.3s	23 7	3	Dolphin; 26.	
20876 <i>E 5880</i>	Limassol, NW. corner of S. quay.	34° 39.8' N 33° 02.5' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	29 9	7	Gray metal framework tower.	
20880 <i>E 5880.2</i>	-W. breakwater, head.	34° 39.9' N 33° 02.5' E	Fl.R. period 3s	39 12	6	Metal post; 39.	
20882 <i>E 5880.7</i>	Pyrgos Marina.	34° 42.3' N 33° 10.0' E	Fl.(2)W. period 10s	30 9	10	Metal mast; 13.	
LIMASSOL:							
20884 <i>E 5877.4</i>	-New port, N. breakwater, head.	34° 38.8' N 33° 01.4' E	Oc.G. period 7s	43 13	10	Metal column; 30.	
20888 <i>E 5877</i>	--S. breakwater, head.	34° 39.0' N 33° 02.0' E	Q.(6)R. period 10s	30 9	12	Metal post.	
20892 <i>E 5878</i>	-Range, front.	34° 38.5' N 33° 00.7' E	F.G.	19 6	2	Metal framework tower, orange diamond daymark.	
20896 <i>E 5878.1</i>	--Rear, about 410 meters 248° from front.	34° 38.5' N 33° 00.3' E	Oc.G. period 5s lt. 4s, ec. 1s	39 12	2	Metal framework tower, orange diamond daymark.	
20900 <i>E 5881</i>	Vasilkos.	34° 42.7' N 33° 18.7' E	F.R.	85 26	6	Loading pylon; 85.	Two radio masts in vicinity are marked by 6 F.R. lights.
20901 <i>E 5881.1</i>	-S. breakwater, head.	34° 42.9' N 33° 19.1' E	Fl.R. period 5s				
20901.5 <i>E 5881.2</i>	-N. breakwater, head.	34° 43.0' N 33° 19.1' E	F.G.				

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CYPRUS							
20904 <i>E 5882</i>	Cape Kiti, near extremity.	34° 48.8' N 33° 36.2' E	Fl.(3)W. period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	67 20	13	White masonry tower.	
20908 <i>E 5882.5</i>	-Fishing harbor, E. breakwater.	34° 53.8' N 33° 38.3' E	Fl.(2)R. period 10s		4	Beacon.	
20912 <i>E 5882.6</i>	--W. breakwater.	34° 54.0' N 33° 38.4' E	Fl.(2)G. period 10s		4	Beacon.	
LARNACA:							
20916 <i>E 5884</i>	-Main harbor, S. breakwater, head.	34° 55.3' N 33° 38.8' E	Fl.W.R. period 5s fl. 0.5s, ec. 4.5s	26 8	W. 10 R. 5		R. 075°-270°, W.-005°.
20920 <i>E 5884.4</i>	--N. breakwater, head.	34° 55.4' N 33° 38.6' E	F.G.	16 5	3		
20924 <i>E 5883</i>	-Yacht Harbor.	34° 55.1' N 33° 38.6' E	Fl.(5)W.R. period 15s F.R.	39 12 20 6	W. 16 R. 13	Orange mast. Same structure.	W. 190°-285°, R.-010°.
20928 <i>E 5883.6</i>	--N. pier.	34° 55.0' N 33° 38.0' E	F.G.	10 3	1	Metal post.	
20940 <i>E 5888</i>	Cape Greco.	34° 57.2' N 34° 05.0' E	Fl.W. period 15s fl. 1.5s, ec. 13.5s	52 16	12	White masonry tower; 50.	
FAMAGUSTA:							
20944 <i>E 5892</i>	-SE. Bastion.	35° 07.1' N 33° 56.8' E	Fl.(2)W. period 20s fl. 1s, ec. 3s fl. 1s, ec. 15s	75 23	16	Stone tower; 36.	Visible 150°-290°.
20948 <i>E 5893</i>	-NW. of town.	35° 08.3' N 33° 55.5' E	Fl.W.R. period 7s fl. 0.8s, ec. 6.2s	60 18	W. 15 R. 11	White concrete tower, black stripes; 35.	W. 178°-216°, R.-313°.
20952 <i>E 5894</i>	-Outer breakwater, head.	35° 07.8' N 33° 56.5' E	Q.(5)R. period 10s fl. 0.3s, ec. 0.7s fl. 0.3s, ec. 0.7s fl. 0.3s, ec. 0.7s fl. 0.3s, ec. 0.7s fl. 0.3s, ec. 5.7s	33 10	4	White metal framework tower, concrete base; 20.	
20956 <i>E 5895</i>	-Inshore breakwater, head.	35° 08.0' N 33° 56.5' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	32 10	4	White metal framework tower, concrete base; 20.	
20960 <i>E 5896</i>	-E. mole, head.	35° 07.5' N 33° 56.7' E	Q.R.	30 9	2	Black metal column; 25.	
20965 <i>E 5890</i>	Cape Elea.	35° 19.5' N 34° 02.8' E	Fl.W. period 10s fl. 1s, ec. 9s	102 31	5	White concrete tower, black stripes; 36.	
20968 <i>E 5900</i>	Klidhes Islands, Cape Andreas, off head.	35° 42.5' N 34° 36.4' E	Fl.(4)W. period 20s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 16.5s	66 20	14	White steel tower; 33.	
RACON Z(— • • •)							
20970 <i>E 5901</i>	Yeni Erenkoy, fishing harbor.	35° 33.9' N 34° 13.0' E	Fl.(2)W. period 15s	72 22	15	White concrete tower; 10.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CYPRUS							
20971 <i>E 5901.6</i>	Kyrenia.	35° 20.4' N 33° 19.8' E	Fl.(3)R. period 20s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 13.5s	59 18	20	Red and white framework tower on white building; 23.	
20972 <i>E 5902</i>	-Marina breakwater.	35° 20.3' N 33° 19.4' E	Q.(6)+L.Fl.R. period 15s	33 10	4	Red metal framework tower; 26.	Fl.R. 3s and Fl.G. lights mark head of jetties in new port 0.5 mile E.
20973 <i>E 5902.6</i>	-Ferry harbor, N. breakwater, head.	35° 20.6' N 33° 20.2' E	Fl.G. period 3s	39 12	4	White concrete tower; 26.	
20973.5 <i>E 5902.4</i>	--S. breakwater, head.	35° 20.5' N 33° 20.1' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	39 12	4	White concrete tower; 26.	
20976 <i>E 5904</i>	Cape Kormakiti.	35° 24.0' N 32° 55.2' E	Fl.(2)W. period 20s fl. 1s, ec. 2s fl. 1s, ec. 16s	100 30	15	White steel framework tower; 73.	
KARAVOSTASI:							
20980 <i>E 5906</i>	-Xeros Pier, root.	35° 08.3' N 32° 50.2' E	Fl.R. period 3s fl. 0.2s, ec. 2.8s	62 19	7	Gray steel tripod on building; 23.	
20984 <i>E 5907</i>	-W. pier, head.	35° 08.8' N 32° 48.9' E	Fl.W. period 5s	60 18	5		
20985 <i>E 5907.5</i>	Moulia Rocks.	34° 43.4' N 32° 26.1' E	Fl.(2)W. period 10s	20 6	6		
20986 <i>E 5910</i>	Cape Akamas.	35° 05.5' N 32° 16.9' E	Fl.(2)W. period 15s	692 211	17	Post; 10.	
SYRIA							
20988 <i>E 5919</i>	Ra's al Basit.	35° 51.8' N 35° 48.0' E	Fl.W. period 4s fl. 1s, ec. 3s	246 75	14	White tower; 39.	
20992 <i>E 5919.4</i>	Ra's al Fasuri.	35° 40.3' N 35° 46.3' E	Q.(3)W. period 5s fl. 0.3s, ec. 0.7s fl. 0.3s, ec. 0.7s fl. 0.3s, ec. 2.7s	243 74	5	White tower, black bands.	
20996 <i>E 5920</i>	Ra's Iban Hani.	35° 35.2' N 35° 43.0' E	Fl.W. period 6s fl. 0.5s, ec. 5.5s	59 18	12	White tower.	
21004 <i>E 5921.6</i>	-Al Ladhigiyah, breakwater, head.	35° 31.9' N 35° 45.2' E	Fl.G. period 3s	13 4	5	Gray metal framework tower.	
21005 <i>E 5921.5</i>	-Al Ladhigiyah Range, front.	35° 31.8' N 35° 46.2' E	Fl.(2)R. period 5s		6		
21005.1 <i>E 5921.51</i>	--Rear, 500 meters 115°36' from front.	35° 31.7' N 35° 46.5' E	Fl.(2)R. period 5s		6		
21006 <i>E 5921.4</i>	-Al Burj.	35° 30.9' N 35° 46.1' E	Fl.(2)W. period 9s	72 22	10	White tower; 16.	
JABLAH (DJEBLE):							
21012 <i>E 5922</i>	-W. breakwater, head.	35° 21.6' N 35° 55.0' E	Q.G.	23 7	4	Black metal framework tower.	Fishing.
21016 <i>E 5922.2</i>	-E. breakwater, head.	35° 21.6' N 35° 55.1' E	Q.R.	20 6	5	Black metal framework tower.	Fishing.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SYRIA							
21018	-Arab el Melek Buoy.	35° 16.3' N 35° 54.4' E	Fl.(3)W. period 10s			Pillar, black and red bands, topmark.	
	-RACON		D(- • •)				
	BANIYAS:						
21020 E 5923	-Boat harbor, W. breakwater, head.	35° 13.4' N 35° 56.6' E	Fl.W. period 5s	19 6	4	Black metal structure.	
21024 E 5923.2	--E. breakwater, head.	35° 13.4' N 35° 56.7' E	Fl.R. period 10s	19 6	3	Black metal structure.	
21028	-Marqab Buoy.	35° 12.5' N 35° 54.8' E	Fl.(4)W. period 15s			Pillar, red and white stripes, topmark.	
	-RACON		M(- -)				
	JABLAH (DJEBLE):						
21032 E 5923.5	-Baniyas.	35° 08.8' N 35° 55.2' E	Fl.(3)W.R. period 17s fl. 0.4s, ec. 2s fl. 0.4s, ec. 2s fl. 0.4s, ec. 11.8s	321 98	W. 16 R. 12	White tower; 36.	W. 015°-175°, R.-195°.
	TARTUS:						
21040 E 5923.8	-E. breakwater, head.	34° 54.6' N 35° 51.4' E	Iso.R. period 2s	23 7	5	Black metal framework tower.	
21044 E 5924	Jazirat Anwad.	34° 51.4' N 35° 51.3' E	Fl.W. period 5s fl. 1s, ec. 4s	66 20	12	White tower on fort; 13.	
21045 E 5924.2	-E. jetty, head.	34° 51.4' N 35° 51.7' E	Q.G.	10 3	1	Black pylon.	
21045.5 E 5924.3	-S. jetty, head.	34° 51.4' N 35° 51.7' E	Q.R.	10 3	1	Black pylon.	
LEBANON							
	TARABULUS (TRIPOLI):						
21048 E 5926	-Jazirat Ramkin.	34° 29.8' N 35° 45.6' E	Fl.W. period 3.3s fl. 0.8s, ec. 2.5s	72 22	18	White tower; 16.	
21052 E 5927	--NE. head.	34° 27.9' N 35° 49.5' E	Fl.G. period 4.5s	33 10	5	White square metal tower, black stripes; 20.	
21056 E 5927.4	--E. mole, head.	34° 27.6' N 35° 49.5' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	31 9	5	Metal framework tower; 20.	
21060 E 5927.6	-Tower of Lions.	34° 27.0' N 35° 49.8' E	F.R.		3	Tower; 69.	A F.R. light is shown 2.8M ESE. of the tower. Occasional.
21064 E 5929	Kalmoun.	34° 23.0' N 35° 47.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	16 5	3	Black and white pylon.	
21068 E 5929.2	Anfan.	34° 21.0' N 35° 44.0' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	16 5	3	Black and white pylon.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
LEBANON							
21072 E 5929.4	Ra's ash Shaq'ah.	34° 19.0' N 35° 43.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	10 3	3	Black and white pylon.	
21076 E 5929.6	Al Batrun.	34° 15.0' N 35° 39.0' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	16 5	3	Black and white pylon.	
21080 E 5929.8	Fad'us.	34° 14.0' N 35° 39.0' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	23 7	3	Black and white pylon.	
21084 E 5930	Ra's Amshit.	34° 09.0' N 35° 37.0' E	Fl.W. period 2s fl. 0.3s, ec. 1.7s	20 6	3	Black and white pylon.	
21088 E 5931.2	Jubayl, E. side of entrance.	34° 06.0' N 35° 39.0' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	5	Framework tower.	A light, Fl.R. 3s, is shown from side of old wall.
21092 E 5932	Tabarja.	34° 02.4' N 35° 37.2' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	33 10	5	Black and white pylon.	
PORT DE JOUN'E:							
21094 E 5933	-Yacht Basin, mole, head.	33° 59.3' N 35° 37.2' E	Fl.(2)G. period 3s fl. 0.4s, ec. 0.6s fl. 0.4s, ec. 1.6s	33 10	8	White metal framework tower, black bands.	
21096 E 5933.1	--Quay at entrance.	33° 59.5' N 35° 37.0' E	Fl.R. period 3s fl. 0.4s, ec. 2.6s	26 8	5	Black and white pylon.	
21104 E 5933.3	-Naval basin, jetty, head.	33° 59.1' N 35° 37.1' E	Fl.G. period 2s fl. 0.4s, ec. 1.6s	33 10	8	Black and white pylon.	
21116 E 5934	-Ra's Bayrut.	33° 53.8' N 35° 28.3' E	Fl.(2)W. period 10s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 7.4s	171 52	22	Gray tower, black bands; 89.	F.R., F.W. lights on radio mast 0.6 miles ENE.
<i>Note: All lights and radiobeacons in the Beirut area are reported temporarily inoperative.</i>							
BAYRUT (BEIRUT):							
21120 E 5935	-N. mole.	33° 54.6' N 35° 31.4' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	46 14	8	Black and white pylon.	
21121 E 5935.5	--NE end.	33° 55.0' N 35° 32.0' E	Fl.(2)G.			Metal tower.	
21122 E 5935.8	-Breakwater, W. head.	33° 54.7' N 35° 32.0' E	Fl.(2)R. period 3s			Red metal tower.	
21122.2 E 5935.9	--Elbow.	33° 54.7' N 35° 32.1' E	Mo.(D)Y.			Metal tower.	
21122.4 E 5935.95	--E. head.	33° 54.7' N 35° 32.3' E	Fl.(2)G. period 3s			Green metal tower.	
21128 E 5938.1	-Airport AVIATION LIGHT.	33° 50.0' N 35° 29.0' E	Mo.(BL)G. period 12s	141 43	17	At hangar.	
21132 E 5938	--AVIATION LIGHT.	33° 49.7' N 35° 29.2' E	Al.W.G. period 4s	138 42	17	Control tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
LEBANON							
SAYDA (SIDON):							
21140 <i>E 5940</i>	-Az Zirah.	33° 34.3' N 35° 22.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	33 10	6	White pylon; 13.	
21148	-Port entrance, S. side.	0° 00.0' 0° 00.0'	Fl.R. period 2s fl. 0.5s, ec. 1.5s	25 8	3		
AZ ZAHRANI:							
21152 <i>E 5941</i>	-Oil Terminal.	33° 30.1' N 35° 20.5' E	Fl.R. period 2s	184 56		Red and white framework tower.	F.R. lights shown 14 and 27 meters below this light on same tower.
21156	-Range No. "1", front.	33° 30.0' N 35° 20.0' E	F.G.	46 14			4 floodlights are shown NE. while ships are mooring.
21160	--Rear, about 544 meters 179° from front.	33° 00.1' N 35° 20.4' E	F.G.	64 20			Shown on approach to No. 1 berth.
21164	-Range No. "2", front.	33° 30.0' N 35° 20.0' E	F.R.	51 16			
21168	--Rear, about 466 meters 180°30' from front.	32° 29.9' N 35° 20.5' E	F.R.	82 25			Shown on approach to No. 2 berth.
21172	-Range No. "3", front.	33° 31.0' N 35° 21.0' E	F.G.	42 13			
21176	--Rear, about 430 meters 180° from front.	33° 00.1' N 35° 20.7' E	F.G.	47 14			Shown on approach to No. 3 berth.
21180	-Range No. "4", front.	33° 30.0' N 35° 21.0' E	F.R.	54 16			
21184	--Rear, about 576 meters 180° from front.	33° 00.1' N 35° 20.8' E	F.R.	150 46			Shown on approach to No. 4 berth.
21188 <i>E 5941.8</i>	As Sarafand.	33° 26.0' N 35° 16.1' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	16 5	3	Black and white pylon.	
SUR (TYRE):							
21192 <i>E 5942</i>	-On old fort NW. of town.	33° 16.6' N 35° 11.6' E	Fl.(3)W. period 12s fl. 0.3s, ec. 1.8s fl. 0.3s, ec. 1.8s fl. 0.3s, ec. 7.5s	49 15	12	White tower; 20.	
21196 <i>E 5943.2</i>	-Port entrance, N. side.	33° 17.0' N 35° 11.0' E	Fl.G. period 2s fl. 0.5s, ec. 1.5s	21 6	3		
21200 <i>E 5943</i>	-Port entrance, S. side.	33° 16.5' N 33° 11.5' E	Fl.R. period 2s fl. 0.5s, ec. 1.5s	21 6	3		
ISRAEL							
21204 <i>E 5944</i>	Akko (Acre), S. of town.	32° 55.1' N 35° 04.0' E	Fl.(2)W. period 7s	51 16	10	Black and white checkered tower; 33.	
21208 <i>E 5944.2</i>	-Breakwater, head.	32° 55.1' N 35° 04.2' E	Q.W.		2		
21212 <i>E 5945</i>	Har Karmel (Mount Carmel).	32° 49.7' N 34° 58.1' E	Fl.W. period 5s fl. 0.3s, ec. 4.7s	587 179	30	White round tower and building; 67.	Partially obscured 235°-236°, obscured 263°-shore. Radiobeacon.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ISRAEL							
HAIFA:							
21216 <i>E 5946</i>	-Main breakwater, head.	32° 49.6' N 35° 00.9' E	Fl.(2)G. period 4s	49 15	2		
21220 <i>E 5947</i>	-Lee breakwater, head.	32° 49.4' N 35° 00.5' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	46 14	5	White concrete tower; 31.	
21224	-W. jetty, head.	0° 00.0' 0° 00.0'	F.R.				Traffic signals.
-Qishon (Kishon):							
21228 <i>E 5952</i>	--N. breakwater, head.	32° 49.0' N 35° 01.3' E	Q.(2)R. period 5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 3.5s	33 10	6	Gray pylon.	
21232 <i>E 5953</i>	--S. breakwater, head.	32° 48.9' N 35° 01.3' E	Q.(2)G. period 5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 3.5s	20 6	4	Gray pylon.	
21234 <i>E 5954</i>	Port of Hadera, jetty, head.	32° 28.2' N 34° 51.8' E	F.R.	62 19	2		Lights of port difficult to distinguish against shore lights.
21234.2 <i>E 5954.5</i>	-W. breakwater, head.	32° 28.6' N 34° 52.7' E	Fl.G. period 2s	30 9	3		
21234.4 <i>E 5954.6</i>	-E. breakwater, head.	32° 28.6' N 34° 52.8' E	Fl.R. period 5s	30 9	2		
21236 <i>E 5956</i>	Mikhmoret, at Nautical School.	32° 24.2' N 34° 51.9' E	Al.F.I.W.R. period 15s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 9.5s	46 14	10	On roof of concrete building.	
21238 <i>E 5957</i>	Herzlia Marina, breakwater.	32° 10.0' N 34° 47.9' E	Fl.G. period 5s	49 15	12		Fl.R. 5s marks lee breakwater.
TEL AVIV:							
21240 <i>E 5958.4</i>	-Power station, breakwater.	32° 06.2' N 34° 46.5' E	Fl.(2)R. period 5s fl. 0.4s, ec. 1s fl. 0.4s, ec. 3.2s	29 9	2	White metal column; 13.	
21244 <i>E 5959</i>	-Harbor, N. breakwater.	32° 05.9' N 34° 46.3' E	F.R.				
21248 <i>E 5959.2</i>	--S. breakwater.	32° 05.9' N 34° 46.3' E	F.G.				
21252 <i>E 5959.4</i>	-Marina, breakwater.	32° 05.3' N 34° 46.0' E	Fl.(5)G. period 20s	33 10		Red and white striped pole.	
JAFFA:							
21256 <i>E 5963</i>	-Breakwater, head.	32° 03.3' N 34° 45.0' E	Fl.G. period 4s fl. 0.5s, ec. 3.5s		7		
21257 <i>E 5962.4</i>	-Range, front.	32° 03.3' N 34° 45.1' E	F.R.				Occasional.
21258 <i>E 5962.5</i>	--Rear, 55 meters 129° from front.	32° 03.3' N 34° 45.1' E	F.R.				Occasional.
21259 <i>E 5964</i>	-Sela Andromeda, SE.	32° 03.4' N 34° 45.1' E	Q.Y.		2	Orange pillar.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ISRAEL							
21260 <i>E 5967</i>	Ashdod.	31° 48.8' N 34° 38.7' E	Fl.(3)W. period 20s fl. 0.3s, ec. 3.7s fl. 0.3s, ec. 3.7s fl. 0.3s, ec. 11.7s	249 76	22	Concrete tower, upper half red and white checkered; 138.	
21264 <i>E 5968</i>	-Main breakwater.	31° 50.7' N 34° 38.3' E	Fl.G. period 2s		7		
21268 <i>E 5969</i>	-Lee breakwater.	31° 49.9' N 34° 38.3' E	Fl.R. period 2s		7		
21269 <i>E 5969.5</i>	-Central jetty.	31° 50.6' N 34° 39.2' E	Fl.W. period 5s	10 3	2		
21272 <i>E 5970</i>	Tel Ashqelon.	31° 38.2' N 34° 32.5' E	Fl.(2)W. period 10s fl. 0.2s, ec. 1.5s fl. 0.2s, ec. 8.1s		15		
21273 <i>E 7700</i>	Mari-B.	31° 44.1' N 34° 17.7' E	Mo.(U)W.			Platform.	Horn: Mo.(U).
EGYPT							
21274 <i>E 5973</i>	El Arish.	31° 08.7' N 33° 48.9' E	Fl.W. period 5s	128 39	18	White concrete tower, black bands.	
	RACON		G(— — •)				
	BUR SA'ID (PORT SAID):						
21276 <i>E 5978.2</i>	-Port Said.	31° 16.4' N 32° 17.6' E	Fl.W. period 10s	154 47	20	White daymark on framework tower.	Radiobeacon. DGPS Station.
	-RACON		TS(— • • •)				(3 & 10 cm)
21284 <i>E 5980</i>	-Entrance Range, front.	31° 15.0' N 32° 18.2' E	F.R.	118 36	6	Gray metal framework tower, triangular daymark, point up; 131.	Visible 207°-229°.
21288 <i>E 5980.1</i>	-Rear, 1100 meters 217°40' from front.	31° 14.5' N 32° 17.8' E	Oc.(2)R. period 10s lt. 1.5s, ec. 1s lt. 6.5s, ec. 1s	151 46	7	Gray metal framework tower, spherical daymark; 177.	Visible 207°-229°.
21292 <i>E 5979</i>	-E. breakwater, head.	31° 16.6' N 32° 19.8' E	Oc.R. period 6s			Metal framework tower.	
21292.5 <i>E 5978.6</i>	-El Bahar Tower.	31° 18.1' N 32° 21.6' E	Iso.W. period 2s	138 42	15	White framework tower, red bands; 138 Floodlit.	Horn.
	-RACON						
	SUEZ CANAL:						
	The Suez Canal is marked by articulated beacons.						
21293 <i>E 5983</i>	-Breakwater, E. side.	31° 15.1' N 32° 21.6' E	F.W.			Metal tower, red & white horizontal stripes.	
21294 <i>E 5983.2</i>	--W. side.	31° 14.8' N 32° 20.4' E	F.W.			Metal tower, green & white horizontal stripes.	
21300 <i>E 5985</i>	-Bur Sa'id Bypass, E. side.	31° 13.4' N 32° 20.7' E	Fl.(2)R. period 10s	82 25		Black and gray metal tower; 75.	
Visibilities (ranges) of lights in Egypt are undependable.							

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
EGYPT							
21304 <i>E 5985.2</i>	--W. side.	31° 13.5' N 32° 20.5' E	Fl.(2)G. period 10s	82 25		Black and gray metal tower; 131.	
MASABB DUMYAT:							
21308 <i>E 6156</i>	-Dumyat (Damietta).	31° 31.4' N 31° 50.8' E	Fl.(2)W. period 30s	154 47	20	White daymark on framework tower.	Radiobeacon.
-RACON DA(— • • • —)							
21312 <i>E 6158</i>	--W. side of entrance.	31° 31.6' N 31° 50.5' E	Fl.G. period 10s	46 14	8	Green tower; 33.	Fl.R. 10s 5M marks E. side.
21316 <i>E 6158.5</i>	-El Ghirby.	31° 30.5' N 31° 50.0' E	Fl.G. period 3s	12 4	5	White pyramidal structure, black bands, concrete base; 14.	
21317 <i>E 6159</i>	Damietta Port, 191°30'.	31° 27.8' N 31° 45.3' E	Dir.Oc.W.R.G.	67 20	W. 12 R. - G. -	Metal tower; 66.	
21318 <i>E 6159.3</i>	-W. breakwater.	31° 29.6' N 31° 45.3' E	Fl.G. period 5s	33 10	6	Green metal tower; 33.	
21318.5 <i>E 6159.4</i>	-E. breakwater.	31° 29.5' N 31° 45.8' E	Fl.(2)R. period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	33 10	6	Red metal tower; 33.	
21319 <i>E 6159.6</i>	--No. "37".	31° 28.1' N 31° 45.6' E	Fl.Bu. period 2.5s fl. 0.5s, ec. 2s		7	Tower; 10.	
21320 <i>E 6162</i>	Burullus.	31° 36.0' N 31° 04.8' E	Fl.(3)W. period 20s	154 47	20	White daymark on framework tower.	Radiobeacon.
RACON BR(— • • • • — •)							
21322	Rashid Gas Platform RACON.	31° 50.8' N 30° 38.1' E	G(— — •)				(3 & 10cm)
21324 <i>E 6166</i>	Raschid (Rosetta).	31° 26.4' N 30° 25.8' E	Fl.(4)W. period 20s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 10.8s	154 47	20	White daymark on framework tower; 49.	Aeromarine light. Radiobeacon.
RACON TA(— • —)							
21325 <i>E 6167</i>	Idku LNG Port, detached breakwater, NE.	31° 22.5' N 30° 17.7' E	Q.G.	36 11	5	STARBOARD (A) G, post, topmark.	
21325.1 <i>E 6167.1</i>	-Detached breakwater, SW.	31° 22.1' N 30° 17.5' E	Q.(6)+L.Fl.W. period 15s	36 11	4	S. CARDINAL YB, post, topmark.	
21326	-N. Abu Qir Gas Field Platform, NAQ P-1D.	31° 35.8' N 30° 06.7' E	Mo.(U)W. period 15s				
-RACON Q(— — • —)							
21328 <i>E 6168</i>	Geziret Disuqi, summit.	31° 21.6' N 30° 06.3' E	Fl.W. period 5s	72 22	12	White steel post, red top, on concrete base; 33.	
RACON D(— • •)							
21330	Abu Qir, breakwater, head.	31° 19.9' N 30° 05.0' E	Oc.W. period 3s lt. 2s, ec. 1s	56 17	5		

Visibilities (ranges) of lights in Egypt are undependable.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
EGYPT							
AL ISKANDARIYAH (ALEXANDRIA):							
21332 E 6171	-Eastern Harbor, W. breakwater, head.	31° 12.8' N 29° 53.4' E	Fl.G. period 5s	69 21	8	Green steel post on stone base; 33.	
21336 E 6170	--E. breakwater, head.	31° 12.9' N 29° 53.6' E	Fl.R. period 5s	46 14	5	Red concrete tower; 19.	
21340 E 6171.4	-Qaitbai Fort.	31° 12.8' N 29° 53.0' E	F.Y.				
21344 E 6173	-Ra's at Tin.	31° 11.7' N 29° 51.7' E	Fl.(2+1)W. period 30s fl. 0.2s, ec. 4s fl. 0.2s, ec. 12.7s fl. 0.2s, ec. 12.7s	171 52	21	White stone tower, black bands; 180.	F.R. 27m on radio masts 0.2 and 0.3 mile NE. Storm signals.
	-RACON		X(— • • —)				(3 & 10 cm)
21356 E 6176	-Great Pass, entrance Range, front.	31° 09.3' N 29° 50.7' E	2 F.R. (vert.)	58 18	5	White round tower, red stripes; 65.	10 meters apart. Visible 050°-150°. Radiobeacon. DGPS Station.
			F.W.	43 13	5		Visible 150°-050°.
21360 E 6176.1	--Al Maks, rear, 740 meters 113° from front.	31° 09.3' N 29° 50.8' E	2 F.W. (vert.)	124 38 94 29	10	White round tower, black top with ball and spike daymark.	Visible 095°30'-169°30'.
21370 E 6174	Great Pass.	31° 10.0' N 29° 48.5' E	Fl.W. period 4s fl. 1s, ec. 3s	69 21	16	White round concrete tower, red and green bands.	
	RACON		M(— —)				
21372 E 6176.3	--Hydrographer shoal.	31° 09.9' N 29° 48.7' E	Fl.G. period 5s fl. 1s, ec. 4s		5	Black metal tower, white bands; 30.	
21376 E 6176.5	--N. shoal, beacon.	31° 09.9' N 29° 49.1' E	Fl.R. period 5s		5	Red square metal tower, white bands. 23.	
21380 E 6180	-Outer Harbor, outer breakwater, head.	31° 09.9' N 29° 50.7' E	Fl.R. period 3s	46 14	8	Red metal tower.	
21384 E 6182	--Quarantine breakwater, head.	31° 09.9' N 29° 51.1' E	Fl.G. period 3s	66 20	10	Green metal tower, white stripe.	
21388 E 6183	--Petroleum harbor, W. head.	31° 10.0' N 29° 51.1' E	Fl.G. period 5s	18 5	2		
21390 E 6183.3	--E. head.	31° 10.0' N 29° 51.3' E	Fl.R. period 5s	16 5	2		
21400 E 6186.5	-Inner harbor, coal quay, S. head.	31° 10.9' N 29° 52.1' E	Fl.(2)R. period 10s	23 7		White and red framework tower; 13.	
21408 E 6189	--Arsenal Basin, W. mole, head.	31° 11.8' N 29° 52.5' E	Fl.R. period 3s	59 18		White and red metal framework tower.	
21412 E 6190	---Arsenal Quay.	31° 11.8' N 29° 52.6' E	Fl.G.				
21412.5 E 6173.5	El Agamy.	31° 09.0' N 29° 47.5' E	Fl.(2)W. period 15s	56 17	15	White stone tower, black stripes; 46.	
	RACON		O(— — —)				(3 & 10 cm)
21413 E 6191	-El Dikhelia Range, front.	31° 08.4' N 29° 48.6' E	Fl.W. period 3s fl. 1s, ec. 2s	45 14	14	White round metal beacon, black bands.	

Visibilities (ranges) of lights in Egypt are undependable.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
EGYPT							
21413.5 <i>E 6191.1</i>	--Rear, 650 meters 173° from front.	31° 08.0' N 29° 48.6' E	Iso.W. period 2s	102 31	17	Yellow concrete tower, red bands.	
21413.7 <i>E 6191.2</i>	--Breakwater, head.	31° 09.4' N 29° 48.4' E	Fl.G. period 4s fl. 1s, ec. 3s	46 14	5	Metal beacon on concrete base.	
21414 <i>E 6191.3</i>	--Jetty, head.	31° 08.4' N 29° 48.6' E	Fl.R. period 4s fl. 1s, ec. 3s	33 10	2	Metal beacon; 16.	
21416 <i>E 6179</i>	Al Dukhaylah AVIATION LIGHT.	31° 07.7' N 29° 47.9' E	Al.Fl.W.G.	30 9			
21418 <i>E 6193</i>	Ra's el Shaiq.	30° 57.3' N 28° 49.7' E	Fl.(3)W. period 15s	154 47	20	White daymark on framework tower; 49.	Radiobeacon.
	RACON		Q(— • —)				
21420 <i>E 6194</i>	Ra's Alam ar Rum.	31° 21.6' N 27° 20.4' E	Fl.W. period 5s	157 48	12	White steel post, red band, on concrete base; 33.	
	RACON		Z(— • •)				
21422 <i>E 6198</i>	-Mersa Matruh, entrance, W. side.	31° 22.1' N 27° 13.7' E	Q.G.	20 6	5	Green round fiberglass tower.	
21422.1 <i>E 6198.1</i>	--E. side.	31° 22.1' N 27° 13.8' E	Q.R.	20 6	5	Red round fiberglass tower.	
21424 <i>E 6204</i>	Sidi Barrani (Ras Haleima).	31° 37.3' N 25° 54.5' E	Fl.(2)W. period 15s	66 20	12	White steel post, red top, on concrete base; 33.	
	RACON		K(— • —)				
21428 <i>E 6206</i>	As Sallum, pier, head.	31° 33.7' N 25° 09.8' E	Fl.(3)W. period 20s	46 14	12	White steel post, black top, on concrete base; 33.	
	RACON		M(— —)				
Visibilities (ranges) of lights in Egypt are undependable.							
LIBYA							
21432 <i>E 6210</i>	Bardiyah (Bardia).	31° 45.6' N 25° 06.5' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	322 98	12	Metal framework structure, black and white concrete base.	
21436 <i>E 6214</i>	Ra's Azzaz, on point.	31° 58.2' N 24° 58.8' E	Fl.W. period 3s	52 16	10	White iron framework structure, black bands; 36.	
MARSA TUBRUQ (TOBRUK):							
21440 <i>E 6221</i>	-On the point.	32° 04.4' N 24° 00.6' E	Fl.G. period 5s fl. 1s, ec. 4s	20 6	6	White pyramidal tower with black diagonal stripes; 16.	<i>Temporarily extinguished (1996).</i>
21444 <i>E 6224</i>	-Range, front.	32° 03.3' N 24° 00.9' E	Q.W.	69 21	7	Metal framework tower, white diamond daymark.	<i>Temporarily extinguished (1996). Occasional.</i>
21448 <i>E 6224.1</i>	--Rear, 314 meters 224°48' from front.	32° 03.2' N 24° 00.8' E	Iso.W. period 2s	85 26	7	Metal framework tower, white diamond daymark.	<i>Temporarily extinguished (1996). Occasional.</i>
21450 <i>E 6226</i>	-Marsa El Hariga, oil terminal, E. end.	32° 03.7' N 24° 00.3' E	F.R.	30 9	2	Dolphin.	<i>Temporarily extinguished (1996).</i>
21450.1 <i>E 6226.2</i>	--Berth No. "2", E. end.	32° 03.7' N 24° 00.2' E	2 F.G. (vert.)	33 10	2		2 meters apart. <i>Temporarily extinguished (1996).</i>

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
LIBYA							
21450.2 E 6226.4	--W. end.	32° 03.7' N 24° 00.2' E	2 F.G. (vert.)	33 10	2		2 meters apart. <i>Temporarily extinguished (1996).</i>
21451 E 6227	--T-head pier, center.	32° 04.0' N 23° 59.4' E	2 F.G.		2		2 F.R. mark E. and W. ends of jetty head. <i>Temporarily extinguished (1996).</i>
21452 E 6220	Main light.	32° 05.3' N 23° 59.4' E	Fl.(3)W. period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 9.5s	174 53	15	Metal framework tower on black and white checkered building.	<i>Temporarily extinguished (1996).</i>
21456 E 6228	-Quay No. "4", extension.	32° 04.6' N 23° 58.9' E	Q.R.				F.R. lights on Silo 410 meters N.?? <i>Temporarily extinguished (1996).</i>
21464 E 6230	-Quay No. : "1", W. end.	32° 04.8' N 23° 58.6' E	Oc.R.G. period 15s lt. 10s, ec. 5s				G. 301°-026°, R.-181°. <i>Temporarily extinguished (1996).</i>
21468 E 6234	Ra's at Tin.	32° 37.3' N 23° 07.0' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	110 34	10	Black iron framework structure; 22.	
DARNAH (DERNA):							
21472 E 6236	-Derna.	32° 44.5' N 22° 41.0' E	Fl.(4)W. period 20s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 15s	197 60	20	White tower, black stripes; 34.	
21476 E 6238	-N. mole, head.	32° 45.9' N 22° 39.8' E	Q.G.	46 14	8		
21480 E 6239	-S. mole, head.	32° 45.9' N 22° 39.7' E	Q.R.	46 14	8		
21484 E 6242	Ra's al Hilal.	32° 55.4' N 22° 10.7' E	Fl.(3)W. period 17.5s fl. 0.5s, ec. 3s fl. 0.5s, ec. 3s fl. 0.5s, ec. 10s	72 22	10	Black and white checkered pyramid; 39.	Obscured on bearings less than 100°.
21488 E 6244	Apollonia.	32° 54.1' N 21° 58.0' E	Fl.W. period 6s fl. 1s, ec. 5s	82 25	11	White concrete pyramidal tower; 23.	
21492 E 6246	Ra's Amir.	32° 56.2' N 21° 42.5' E	Fl.(2)W. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	95 29	11	White concrete pyramidal tower with black bands; 36.	
21496 E 6248	Tulmaythah, summit of point.	32° 42.9' N 20° 56.7' E	Fl.(3)W. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	69 21	12	Black metal framework tower on white concrete base with black bands; 52.	Reserve light of low power, F.W., F.R. and Fl.R. lights on radio tower exist 20M. SW.
21500 E 6250	Sidi Suwaykir.	32° 20.0' N 20° 17.3' E	Fl.(4)W. period 15s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 10s	69 21	13	White square tower; 49.	
21504 E 6251.5	-Ras el Mingar, jetty extension.	32° 11.0' N 20° 05.2' E	Fl.W. period 3s	42 13	5	On mooring dolphin.	
21508 E 6251.8	Banghazi.	32° 07.4' N 20° 03.7' E	Fl.W. period 3s	133 41	17	Brown water tower; 73.	F.R. and Fl.R. lights on radio mast 2.5 km. 130°30'. F.R. light on radio mast 4.54 km. 203°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
LIBYA							
21509 <i>E 6252</i>	-Main harbor, N. breakwater, head.	32° 06.9' N 20° 01.6' E	Fl.R. period 3s fl. 1s, ec. 2s	43 13	6	Red and white structure.	
21509.1 <i>E 6252.2</i>	--W. Breakwater, N. head.	32° 06.9' N 20° 02.0' E	Fl.G. period 3s fl. 1s, ec. 2s	43 13	6	White tower, black bands.	
21510 <i>E 6252.4</i>	--	32° 07.1' N 20° 02.5' E	Dir.F.W.R.G.	43 13	W. 14 R. 9 G. 9	Red and white structure.	G. 062°30'-064°42', W.-067°12', R.-069°30'.
21511 <i>E 6252.6</i>	--No. "4" Berth.	32° 06.8' N 20° 02.4' E	Q.R.	16 5	1		
21511.5 <i>E 6252.7</i>	--No. "3" Berth.	32° 06.9' N 20° 02.5' E	Q.W.	16 5	3		
21512 <i>E 6253</i>	--Central Mole, head.	32° 07.1' N 20° 02.7' E	Q.G.	16 5	1		
21516 <i>E 6253.2</i>	-Inner Harbor, Italia Mole, head.	32° 06.9' N 20° 03.0' E	Fl.R. period 3s fl. 0.8s, ec. 2.2s	16 5	2		
21517 <i>E 6253.3</i>	--No. "1/18" Berth.	32° 06.8' N 20° 02.9' E	Fl.W. period 3s fl. 1s, ec. 2s	16 5	4		
21518 <i>E 6253.4</i>	--No. "19/M8" Berth.	32° 06.7' N 20° 03.1' E	Q.W.	16 5	3		
21519 <i>E 6253.5</i>	--"MB" Berth.	32° 06.5' N 20° 03.0' E	Fl.(3)W. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6.5s	16 5	3		
21520 <i>E 6253.6</i>	--No. "B22" Berth.	32° 06.8' N 20° 03.1' E	Q.R.	16 5	1		
21521 <i>E 6253.7</i>	--No. "B22A" Berth.	32° 06.9' N 20° 03.2' E	Fl.(3)R. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6.5s	16 5	2		
21524 <i>E 6254.5</i>	-Outer harbor, W. breakwater, S. head.	32° 05.8' N 20° 02.3' E	Q.R.	43 13	4		
21526 <i>E 6254.6</i>	--Breakwater, head.	32° 05.6' N 20° 02.4' E	Iso.W. period 5s	33 10	6		
21528 <i>E 6254.7</i>	--Breakwater, head.	32° 05.8' N 20° 02.5' E	Fl.(3)G. period 10s fl. 0.3s, ec. 1s fl. 0.3s, ec. 1s fl. 0.3s, ec. 7.1s	43 13	4		
21534 <i>E 6255.4</i>	-Radio mast.	30° 50.0' N 20° 03.1' E	Q.R.	449 137	15	Radio mast.	2 F.R. on same structure, 97 meters and 56 meters.
21536 <i>E 6255.45</i>	<i>Az Zuwaytinah Terminal Buoy.</i>	30° 56.0' N 20° 00.0' E	Mo.(Z)W. period 10s			SAFE WATER RW, pillar, topmark.	
21540 <i>E 6255.5</i>	-Range, front.	30° 53.3' N 20° 03.7' E	Fl.Y. period 1.5s fl. 0.5s, ec. 1s	23 7	10	Mast on tripod, black and red rectangular daymark.	
21544 <i>E 6255.51</i>	--Rear, 750 meters 135° from front.	30° 53.0' N 20° 04.1' E	Oc.Y. period 10s lt. 6s, ec. 4s	43 13	10	Mast on tripod, black and red rectangular daymark.	
21545 <i>E 6255.6</i>	-Wayfeya.	30° 54.0' N 20° 03.5' E	Fl.(6)W. period 10s		5	White mast.	
21546 <i>E 6255.7</i>	Small craft harbor, pier, head.	30° 53.9' N 20° 04.1' E	Fl.(2)W. period 13s	102 31	16		Q.R. marks dolphin 370 meters WSW.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
LIBYA							
MARSA AL BURAYQA:							
21556 <i>E 6256.4</i>	-East Channel Range, front.	30° 25.2' N 19° 37.4' E	Q.R.			Black, white, and red beacon.	
21560 <i>E 6256.41</i>	--Rear, 660 meters 143°41' from front.	30° 24.9' N 19° 37.7' E	Fl.R.			Black, white, and red beacon.	
21562 <i>E 6256.2</i>	-E. breakwater, head.	30° 25.0' N 19° 35.7' E	Q.R.		39 12	15	
21564 <i>E 6256</i>	-W. breakwater, head.	30° 25.1' N 19° 35.4' E	Fl.G. period 3s		39 12	15	Black structure.
21568 <i>E 6257</i>	-Common Range, front.	30° 25.0' N 19° 34.2' E	Oc.R.				Black, white, and red beacon.
21572 <i>E 6256.9</i>	--Berth Nos. "1" and "2" approach, rear, 1,408 meters 236°05' from front.	30° 24.6' N 19° 33.5' E	F.R.				Black, white, and red mast.
21576 <i>E 6257.1</i>	--Approach rear, 1,445 meters 239°06' from front.	30° 24.6' N 19° 33.6' E	F.R.				Black, white, and red mast.
21580 <i>E 6258</i>	-Berth No. "1" Range, front.	30° 24.6' N 19° 35.7' E	I.Q.W. period 8s				Black, white, and red beacon.
21584 <i>E 6258.1</i>	--Rear, 770 meters 167° 38' from front.	30° 24.2' N 19° 35.8' E	I.Q.W. period 15s				Black, white, and red beacon.
21588 <i>E 6259</i>	-Berth No. "2" Range, front, 660 meters 145°48' from common rear.	30° 24.8' N 19° 36.6' E	Oc.R.				Black, white, and red beacon.
21590 <i>E 6259.2</i>	-Front, 660 meters 147°20' from common rear.	30° 24.8' N 19° 36.6' E	Oc.R.				Black, white, and red beacon.
21592 <i>E 6259.1</i>	--Common rear.	30° 24.5' N 19° 36.9' E	Q.R.				Black, white, and red beacon.
21596 <i>E 6260</i>	-Berth No. "3", mooring island.	30° 26.0' N 19° 33.9' E	F.R.		92 28		Metal tower; 69.
21598 <i>E 6264</i>	-Gas jetty, SE. head.	30° 24.7' N 19° 35.2' E	F.G.				
21600 <i>E 6264.4</i>	--NE. head.	30° 24.9' N 19° 35.0' E	F.R.				
21602 <i>E 6264.5</i>	-Intake.	30° 25.2' N 19° 36.4' E	Fl.G.				Black pile.
21604 <i>E 6263</i>	-Inner Harbor approach Range, front.	30° 24.6' N 19° 35.0' E	F.Y.				Beacon.
21608 <i>E 6263.1</i>	--Rear, 370 meters 223°58' from front.	30° 24.4' N 19° 34.9' E	F.Y.				Beacon.
21612 <i>E 6266</i>	Ra's al Unuf.	30° 30.7' N 18° 32.3' E	Q.(2)W. period 5s fl. 0.2s, ec. 1s fl. 0.2s, ec. 3.6s		164 50	15	White water tower; 171.
			F.R.		171 52		Obstruction.
21613 <i>E 6266.3</i>	-Breakwater, N. head.	30° 30.6' N 18° 35.7' E	Fl.(2)G. period 10s		59 18	5	White and green pillar.
21614 <i>E 6266.4</i>	-Breakwater, E. head.	30° 30.5' N 18° 35.4' E	Fl.(2)R. period 10s		59 18	5	White and red pillar.
21615 <i>E 6266.5</i>	-Range, Front.	30° 30.9' N 18° 34.3' E	F.W.		39 12	9	Framework tower, white triangular daymark, black stripe, point up.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
LIBYA							
21615.1 <i>E 6266.51</i>	--Rear, 287°30', 220 meters from front.	30° 31.0' N 18° 34.1' E	F.W.	56 17	4	Framework tower, white triangular daymark, black stripe, point down.	
21615.2 <i>E 6266.6</i>	--Jetty, head, berth No. "1".	30° 30.1' N 18° 35.3' E	2F.W. (vert.)	30 9	4	Dolphin.	
21615.3 <i>E 6266.7</i>	--Berth No. "2".	30° 30.0' N 18° 35.2' E	3F.W. (vert.)	30 9	4	Dolphin.	
21615.4 <i>E 6266.8</i>	--Berth No. "3".	30° 29.8' N 18° 35.0' E	4F.W.	30 9	4		Lights form square shape.
21615.5 <i>E 6267</i>	As Sidrah.	30° 36.9' N 18° 16.9' E	Oc.R. period 3s lt. 2s, ec. 1s	394 120	8	Radio tower; 164.	
			F.R.	308 94			
21616 <i>E 6267.2</i>	--SPM No. "5" Approach.	30° 37.4' N 18° 22.5' E	F.W.R.G.			Black cross, white background on beacon.	G. 213°24'-218°24', R.-228°24', W.-233°24'. Beacons in line 223°25'.
21621 <i>E 6267.6</i>	Rigl Matratin, jetty, head.	30° 38.3' N 18° 22.2' E	Fl.G.		5		
MISRATAH:							
21621.5 <i>E 6267.7</i>	--S. breakwater, head.	30° 38.1' N 18° 22.1' E	Fl.R.				
21624 <i>E 6268</i>	Sirte.	31° 12.5' N 16° 35.6' E	Fl.W. period 5s fl. 1s, ec. 4s	115 35	15	White water tower.	
21628 <i>E 6274</i>	--Ra's al Bara Barq.	32° 22.3' N 15° 12.8' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	79 24	8	White iron framework structure on square tower, black stripes; 26.	F. and Fl.R. obstruction lights exist 14.1 km. 285°.
21628.5 <i>E 6275</i>	--Qasr Ahmad, N. breakwater, head.	32° 22.2' N 15° 13.7' E	Fl.G. period 10s fl. 0.5s, ec. 9.5s			Grey beacon.	
21628.6 <i>E 6276</i>	--S. breakwater, head.	32° 22.1' N 15° 13.6' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s			Grey beacon.	
21629.5 <i>E 6277</i>	--Range, front.	32° 22.1' N 15° 12.8' E	Fl.G. period 5s			White triangular daymark, red band, point up.	
21629.51 <i>E 6277.1</i>	---Rear, 500 meters 270° from front.	32° 22.1' N 15° 12.3' E	Fl.G. period 12s			White triangular daymark, red band, point down.	
21630 <i>E 6278</i>	--Steelworks Range, front.	32° 20.4' N 15° 14.4' E	Q.Y.	36 11	7		
21630.1 <i>E 6278.1</i>	--Rear, 430 meters 263° from front.	32° 20.4' N 15° 14.2' E	Iso.Y. period 6s	62 19	7		
21631 <i>E 6278.4</i>	--Outer breakwater, head.	32° 20.6' N 15° 15.4' E	Oc.G. period 4s lt. 3s, ec. 1s	39 12	5		Horn: 1 bl. ev. 20s. (bl. 2s, si. 18s).
21631.1 <i>E 6278.6</i>	--Bulk Berth.	32° 20.7' N 15° 14.8' E	2 F.G. (vert.)	23 7	1		2 meters apart.
21631.5 <i>E 6278.5</i>	--Inner breakwater, head.	32° 20.5' N 15° 14.4' E	Fl.R. period 5s fl. 1s, ec. 4s	33 10	1		
21632 <i>E 6280</i>	Al Qalb.	32° 29.6' N 14° 34.3' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	115 35	10	Iron skeleton structure on hut with black and white stripes; 16.	F.R. and Fl.R. obstruction lights on mast 1 mile SSE.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
LIBYA							
21636 <i>E 6284</i>	Al Khums.	32° 39.6' N 14° 15.2' E	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	85 26	12	White round tower, black bands; 61.	F.R. and Fl.R. obstruction lights on radio mast about 1.5 miles SW.
21640 <i>E 6288</i>	Ra's al Hallab.	32° 48.0' N 13° 48.4' E	Fl.(3)W. period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 9.5s	115 35	12	Iron framework structure on white round tower; 71.	
21644 <i>E 6290</i>	Ra's Tajura.	32° 53.7' N 13° 23.2' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	112 34	14	Black and white checkered square masonry tower.	Obscured 097°-109°. F.R. light on radio mast 2.25 miles SW.
21648 <i>E 6292</i>	Sidi Otman (Wheelus Airfield), AVIATION LIGHT.	32° 54.2' N 13° 16.4' E	Al.Fl.W.G. period 10s	185 56	W. 29 G. 24	Red and white checkered water tower; 165.	Occasional.
TARABULUS (TRIPOLI):							
21652 <i>E 6294</i>	-Spanish Fort, Spanish Mole, N. root.	32° 54.3' N 13° 10.7' E	Fl.(2)W. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 8s	197 60	12	White tower, black bands; 89.	F.R. and Fl.R. on radio masts 0.83 mile SSE. and 13.4 miles S. 2 F.R. on 2 masts 5.6 miles SW. F.R. on water towers 0.4 mile SW.
21656 <i>E 6296</i>	-Approach Range, front.	32° 54.5' N 13° 13.7' E	F.R.	55 17		Red and white triangular daymark, point up.	
21660 <i>E 6296.1</i>	--Rear, 130 meters 175° from front.	32° 54.0' N 13° 14.0' E	F.R.	81 25		Red and white triangular daymark, point down.	
21664 <i>E 6296.4</i>	-Entrance No. "1".	32° 56.1' N 13° 13.3' E	Fl.G. period 3s	42 13	10	Green articulated beacon.	
21668 <i>E 6296.5</i>	--No. "2".	32° 56.1' N 13° 13.7' E	Fl.R. period 3s	42 13	10	Red articulated beacon.	
21672 <i>E 6296.6</i>	--No. "4".	32° 55.4' N 13° 13.7' E	Fl.(2)R. period 6s	43 13	10	Beacon.	
21676 <i>E 6299</i>	-N. breakwater, head.	32° 55.2' N 13° 13.0' E	L.Fl.G. period 8s fl. 2s, ec. 6s	33 10		Black and white column.	
21680 <i>E 6299.5</i>	-E. breakwater, head.	32° 55.0' N 13° 13.0' E	L.Fl.R. period 8s fl. 2s, ec. 6s	33 10		Red and white column.	
21684 <i>E 6306</i>	-Entrance Range, front.	32° 53.8' N 13° 10.9' E	F.G.	79 24		Column.	
21688 <i>E 6306.1</i>	--Rear, about 300 meters 233° from front.	32° 53.7' N 13° 10.8' E	F.G.	102 31		Mast on building.	<i>Temporarily extinguished (2005).</i>
21692 <i>E 6304</i>	-Spanish Mole, head.	32° 54.4' N 13° 11.8' E	Iso.G. period 4s	34 10	4	Green concrete column, black and white daymark; 34.	
21696 <i>E 6305</i>	-Karamanli mole, head.	32° 54.3' N 13° 11.8' E	Fl.(2)R. period 6s	33 10	4	Red concrete column, red and white daymark.	
21700 <i>E 7860</i>	Bouri Oilfield, SPM.	33° 54.3' N 12° 39.5' E	Mo.(U)W. period 15s				
RACON			A(• -)				
21701	-E. platform RACON.	33° 54.8' N 12° 41.9' E	U(• • -)				
21702	-W. platform RACON.	33° 53.8' N 12° 38.3' E	M(- -)				
21708 <i>E 6316</i>	Marsa Dilah.	32° 47.5' N 12° 45.0' E	Fl.W. period 4s fl. 0.5s, ec. 3.5s	79 24		Red metal column on red and white checkered building.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
LIBYA							
21712 E 6318	Marsa Zuwaghah.	32° 48.8' N 12° 25.8' E	Iso.W. period 2s	66 20	11	Red iron structure on white square masonry hut, black band; 19.	
21716 E 6322	Zuwarah, N. breakwater, root.	32° 55.5' N 12° 07.2' E	Fl.W. period 5s fl. 1s, ec. 4s	49 15	12	Metal framework tower white hut, black bands.	
21720 E 6323	-N. breakwater, head.	32° 55.4' N 12° 07.2' E	V.Q.G.	36 11	8	Metal framework tower on white hut.	
21722 E 6324	-S. breakwater, head.	32° 55.4' N 12° 07.2' E	V.Q.R.	36 11	8	Red metal framework tower; 10.	
21724 E 6325	Abukamash, industrial complex, jetty, head.	33° 05.7' N 11° 50.0' E	V.Q.R., V.Q.G.				
21728 E 6326	Farwah.	33° 06.4' N 11° 44.7' E	L.Fl.W. period 5s fl. 2s, ec. 3s	56 17	12	Red tower on black and white building.	
TUNISIA							
21736	"Ra's Zirab" NE. Buoy, about 2 miles NE. of spit.	33° 28.0' N 11° 23.0' E	Q.W.			N. CARDINAL BY, topmark.	
21738 E 6327	Ras El Keft.	33° 10.7' N 11° 29.3' E	Iso.G. period 6s		5		
			Q.(3)R. period 10s		5		
ZARZIS:							
21740 E 6328	-Main light.	33° 29.7' N 11° 07.1' E	Oc.(2+1)W. period 12s lt. 4s, ec. 1s lt. 4s, ec. 1s lt. 1s, ec. 1s	49 15	15	White octagonal tower, black top; 46.	Visible 180°-090°.
21741 E 6328.2	--Breakwater, head.	33° 28.7' N 11° 08.2' E	Fl.(2+1)W. period 15s fl. 1s, ec. 5.2s fl. 1s, ec. 5.2s fl. 1s, ec. 1.6s	36 11	12	Red and white tower; 30.	
21744	-Entrance channel Buoy "1".	0° 00.0' 0° 00.0'	F.G.			Black buoy, cone topmark, marked "1 Zarzis" in white.	
21748	--Buoy "2".	0° 00.0' 0° 00.0'	F.R.			Red buoy, can topmark, marked "2 Zarzis" in white.	
21760 E 6330.2	-Arghir.	33° 45.2' N 11° 01.0' E	Fl.W. period 4.5s fl. 0.5s, ec. 4s	22 7	9	Round tower, white and red bands.	Visible 258°-010°. Reserve light F.G.
21764 E 6332	-Ra's Taguermess.	33° 49.3' N 11° 02.7' E	Fl.W. period 5s fl. 0.3s, ec. 4.7s	210 64	24	White round tower, red bands, dwelling; 160.	
21768	-"Djerba O" buoy.	33° 57.2' N 10° 52.3' E	Iso.W. period 6s			SAFE WATER RW, can, topmark.	Radar reflector.
21772 E 6339	-Djerba-Mellita, AVIATION LIGHT.	33° 52.2' N 10° 47.3' E	Al.Fl.W.G. period 10s	121 37	W. 29 G. 26	Tower; 85.	
21776 E 6334	-Hawmat as Sug (Djerba), on wharf.	33° 53.1' N 10° 51.2' E	Oc.(2)W. period 7s lt. 4s, ec. 1s lt. 1s, ec. 1s	30 9	14	Red and white pylon on yellow dwelling; 28.	An access channel at 184° is marked by F.G. and F.R. lighted beacons. Visible 080°-320°.
21780 E 6338	-Burj Jillij, NW. point of island.	33° 53.1' N 10° 44.6' E	Fl.R. period 5s fl. 0.3s, ec. 4.7s	52 16	9	White octagonal tower, upper part black; 38.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TUNISIA							
-Ajim:							
21784 E 6344	-N. side of W. channel entrance.	33° 42.1' N 10° 36.3' E	Fl.(2)W. period 9s fl. 1.5s, ec. 1.5s fl. 1.5s, ec. 4.5s	16 5	8	Tank on pylon; 16.	Visible 340°-250°. Fl.(5)R. 20s 5M about 1.3 miles SSW.
ILE DE DJERBA:							
21804 E 6342.4	-Bordj Ajim, beacon No. "1".	33° 41.8' N 10° 44.1' E	Fl.(3)G. period 15s fl. 1s, ec. 1.5s fl. 1s, ec. 5s fl. 1s, ec. 5.5s	16 5	5	Green metal tripod.	Visible 285°-015°. Dredged channel marked by lighted beacons.
21806 E 6345	Zarat.	33° 41.9' N 10° 21.8' E	Fl.(3)G. period 10s fl. 0.6s, ec. 0.6s fl. 0.6s, ec. 0.6s fl. 0.6s, ec. 7s	20 6	5		L.Fl.R. 10s 5M shown close S.
QABIS (GABES):							
21808	-"Ghannouche 0" entrance buoy.	33° 57.0' N 10° 09.0' E	Iso.W. period 6s			SAFE WATER RW, can, topmark.	
21812 E 6352	-N. jetty, head.	33° 55.4' N 10° 06.7' E	Fl.G. period 4s fl. 1s, ec. 3s	39 12	10	Black conical tower; 16.	
21816 E 6352.4	-S. jetty, head.	33° 55.2' N 10° 06.5' E	Oc.R. period 1.5s lt. 1s, ec. 0.5s	39 12	6	Red conical tower; 16.	
21820 E 6348	-Main light.	33° 53.6' N 10° 06.8' E	Fl.(2)W. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	42 13	20	White octagonal tower, black top; 36.	Visible 124°-304°. Red lights on pylon 0.9 mile SW.
21821 E 6349	-Fishing harbor, N. jetty, head.	33° 53.6' N 10° 07.2' E	Fl.(2)G. period 9s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6s	33 10	6	Hexagonal tower.	
21822 E 6350	--S. jetty, head.	33° 53.6' N 10° 07.1' E	Fl.R. period 6.5s fl. 0.5s, ec. 6s	33 10	6	Hexagonal tower.	
AL SKHIRRA:							
21826 E 6353	-Fishing Harbor, S. jetty.	34° 16.0' N 10° 05.1' E	Fl.(2)G. period 10s	20 6	6		
21827 E 6353.1	--SW. of entrance.	34° 17.0' N 10° 05.7' E	Fl.G. period 5s	20 6	6		
21828 E 6354	-Approach, oil terminal.	34° 19.8' N 10° 07.9' E	Fl.G. period 3s fl. 1s, ec. 2s	105 32	20	Pylon on house.	
21832 E 6356	-Oil pier, head.	34° 18.3' N 10° 09.5' E	F.R.	105 32	5		
21834 E 6358	Mahares.	4° 30.9' N 10° 29.9' E	Dir.F.W.R.G.	29 9	3	White pylon.	
21836 E 6359	Ra's Thinah.	34° 39.0' N 10° 41.1' E	Fl.(2)W. period 10s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 7.2s	182 55	24	White round tower, red bands, white dwelling; 144.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TUNISIA							
SFAX:							
21845 <i>E 6362.5</i>	-S. breakwater, head.	34° 42.7' N 10° 46.0' E	Fl.R. period 5s fl. 1s, ec. 4s	13 4	10	Red tower.	
21846 <i>E 6362.6</i>	-N. breakwater, head.	34° 42.8' N 10° 46.1' E	Fl.G. period 4s fl. 1s, ec. 3s	13 4	10	Green tower.	
21847 <i>E 6362.7</i>	-Detached breakwater, N. extremity.	34° 42.7' N 10° 46.3' E	Iso.R. period 6s	13 4	10	Red tower.	
21848 <i>E 6362</i>	-Port Light, on Quai du Commerce.	34° 43.8' N 10° 46.1' E	Dir.Oc.(2)W. period 8s lt. 4.5s, ec. 1s lt. 1.5s, ec. 1s	58 18	13	Iron skeleton structure on sentry box, lower part gray, middle part white, upper part black; 55.	Intensified 319°-325°.
21852 <i>E 6366.6</i>	-Balise de Ras Djilja, Ile Sherki, N. extremity..	34° 49.8' N 11° 14.8' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	33 10	6	Tank on concrete base, upper part white, black below; 28.	Radiobeacon about 11 km. 155°.
QARQANAH:							
21856	- <i>"Kerkennah 8"</i> buoy.	34° 27.2' N 10° 55.7' E	Q.(6)+L.Fl.W. period 15s			S. CARDINAL YB, can, topmark.	
-RACON X(- • • -)							
21858 <i>E 6361.5</i>	-Rass el Besh.	34° 31.5' N 11° 04.5' E	Fl.(2)W. period 9s fl. 1s, ec. 2s fl. 1s, ec. 5s	56 17	7	White pylon.	Marks wellhead.
21860	- <i>"Kerkennah 7"</i> buoy, SE. of Ile Rhabi.	34° 32.0' N 11° 09.0' E	V.Q.(6)+L.Fl.W. period 10s			S. CARDINAL YB, can, topmark.	
21864	- <i>"Kerkennah 6"</i> buoy, bank, S. side.	34° 37.2' N 11° 23.4' E	Q.(6)+L.Fl.W. period 15s			S. CARDINAL YB, can, topmark.	
21868	- <i>"Kerkennah 5"</i> buoy, bank, SE. edge.	34° 42.0' N 11° 38.0' E	Q.(3)W. period 10s			E. CARDINAL BYB, can, topmark.	
21872 <i>E 6366.4</i>	- <i>"Kerkennah 4"</i> buoy, bank, off E. edge.	34° 53.4' N 11° 47.1' E	Q.(3)W. period 10s			E. CARDINAL BYB, can, topmark.	
21876	- <i>"Kerkennah 4 bis"</i> buoy.	34° 51.6' N 11° 50.4' E	Q.(3)W. period 10s			E. CARDINAL BYB, can, topmark.	
-RACON K(- • -)							
21880	- <i>"Kerkennah 3"</i> buoy, bank, off E. side.	34° 59.0' N 11° 43.0' E	V.Q.(3)W. period 5s			E. CARDINAL BYB, can, topmark.	
21884	- <i>"Kerkennah 2"</i> buoy, bank, off NE. edge.	35° 02.0' N 11° 38.0' E	Q.(3)W. period 10s			E. CARDINAL BYB, can, topmark.	
21888 <i>E 6366</i>	- <i>"Kerkennah 1"</i> buoy, bank, off N. edge.	35° 06.0' N 11° 33.0' E	V.Q.(3)W. period 5s			E. CARDINAL BYB, can, topmark.	
21892	- <i>"Kerkennah 0"</i> buoy, Kerkennah Channel, N. entrance, middle.	35° 04.0' N 11° 16.0' E	Fl.G. period 4s fl. 1s, ec. 3s			STARBOARD (A) G, topmark.	
21897 <i>E 6364</i>	Port de Loueta, W. coast.	35° 02.5' N 11° 02.0' E	V.Q.(3)R. period 6s fl. 0.3s, ec. 0.3s fl. 0.3s, ec. 0.3s fl. 0.3s, ec. 4.5s	23 7	5	Red tower.	
21897.2 <i>E 6364.2</i>	-E. coast.	35° 02.5' N 11° 02.1' E	Fl.(2)G. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	23 7	5	Green tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TUNISIA							
21898 <i>E 6369</i>	Chebba, N. jetty.	35° 13.1' N 11° 10.0' E	Fl.(2)G. period 9s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6s	26 8	6	Green tower.	
21899 <i>E 6369.2</i>	-S. jetty.	35° 13.0' N 11° 10.0' E	Fl.(2)R. period 6.5s fl. 0.5s, ec. 6s	26 8	6	Red tower.	
21900 <i>E 6368</i>	Ras Kapudia (La Chebba).	35° 14.0' N 11° 09.4' E	Fl.(2)W.R. period 9s fl. 1.5s, ec. 1.5s fl. 1.5s, ec. 4.5s	92 28	W. 19 R. 14	Red and white striped tower, triangular daymark, point down; 59.	W. 135°-325°, R.-135°.
21904 <i>E 6370</i>	Al Mahdiyah.	35° 30.5' N 11° 04.9' E	Fl.R. period 5s fl. 0.3s, ec. 4.7s	86 26	17	White hexagonal tower, red top, on dwelling; 49.	
21908 <i>E 6371</i>	-S. jetty, head.	35° 29.8' N 11° 04.1' E	Fl.W. period 2s	30 9	4	Aluminum colored pylon.	
21912 <i>E 6371.2</i>	--Spur, head.	35° 30.0' N 11° 04.2' E	F.G.	19 6	3		
21913 <i>E 6371.4</i>	--Outer spur, head.	35° 29.8' N 11° 04.1' E	Fl.(2)R. period 10s fl. 1s, ec. 1s fl. 2s, ec. 6s	20 6	6		
21916 <i>E 6372</i>	-W. spur, head.	35° 30.0' N 11° 04.1' E	F.R.	16 5	3		
21917 <i>E 6372.6</i>	-Breakwater, SE. head.	35° 29.8' N 11° 04.2' E	Fl.(2)R. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	13 4	6		
21919 <i>E 6372.8</i>	Bekalta, E. jetty.	35° 37.3' N 11° 03.0' E	Fl.G. period 4s	30 9	7		Fl.R. 5s 9m 7M marks W. jetty.
21920 <i>E 6380</i>	Jazirat Qurayyat.	35° 47.9' N 11° 02.0' E	Fl.W.R. period 5s fl. 1s, ec. 4s	98 30	W. 18 R. 14	White square tower, red top, white base; 85.	R. 348°-053°, W.-348°.
21921 <i>E 6373.6</i>	Teboulba, NW.	35° 39.5' N 10° 57.4' E	L.Fl.G. period 10s	23 7	5	Green stone tower; 20.	
21922 <i>E 6373.8</i>	-NE.	35° 39.5' N 10° 57.6' E	L.Fl.R. period 10s	23 7	5	Red stone tower; 20.	
21924 <i>E 6373.22</i>	Saïadah (Sayada), outer jetty.	35° 40.6' N 10° 53.7' E	L.Fl.(2)W. period 15s fl. 2.5s, ec. 2.5s fl. 2.5s, ec. 7.5s	26 8	9	White tower.	
21925 <i>E 6373</i>	-NW. jetty.	35° 40.5' N 10° 53.6' E	L.Fl.(2)G. period 15s fl. 2.5s, ec. 2.5s fl. 2.5s, ec. 7.5s	20 6	6	Green stone tower; 20.	
21926 <i>E 6373.2</i>	-SE. jetty.	35° 40.5' N 10° 53.7' E	L.Fl.(2)R. period 15s fl. 2.5s, ec. 2.5s fl. 2.5s, ec. 7.5s	20 6	6	Red stone tower; 20.	
21932 <i>E 6374</i>	Al Munastir, Burj el Kelb.	35° 45.6' N 10° 50.3' E	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	85 26	10	Minaret with black bands on east and south face; 20.	Visible 197°-355°.
21933 <i>E 6376</i>	-Fishing Port, covered mole, extremity.	35° 45.5' N 10° 50.0' E	Fl.R. period 1.5s fl. 0.3s, ec. 1.2s	20 6	3	Red metal pylon.	
21935 <i>E 6377.2</i>	-Breakwater, S. extremity.	35° 47.0' N 10° 50.0' E	Fl.(2)R. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 8s	26 8	6	Red stone tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TUNISIA							
21936 <i>E 6377</i>	-Marina, E. side.	35° 46.6' N 10° 50.1' E	L.Fl.(2)G. period 10s fl. 2s, ec. 0.5s fl. 1.5s, ec. 6s	26 8	6	Green mast on hut.	
21940 <i>E 6381</i>	Main jetty.	35° 47.4' N 10° 40.9' E	Oc.G. period 5s lt. 4.5s, ec. 0.5s	26 8	5		
21944 <i>E 6381.5</i>	-Secondary jetty.	35° 47.2' N 10° 41.2' E	Oc.(2)W. period 10s lt. 8s, ec. 0.5s lt. 1s, ec. 0.5s	26 8	5		
SUSAH:							
21948 <i>E 6385.7</i>	-Buoy "1", entrance.	35° 50.0' N 10° 40.0' E	L.Fl.G. period 6s			STARBOARD (A) G, conical, topmark.	
21952 <i>E 6384</i>	-Jeteo Abri.	35° 49.6' N 10° 39.3' E	Oc.W.R. period 4s lt. 3s, ec. 1s	39 12	W. 9 R. 6	Red pylon on white base; 19.	R. 135°-180°, W.-045°.
21956 <i>E 6382</i>	-Susah.	35° 49.4' N 10° 38.3' E	Fl.W. period 4s fl. 0.3s, ec. 3.7s	230 70	22	White square tower; 72.	
21960 <i>E 6385</i>	-Epi Nord, head.	35° 49.6' N 10° 39.1' E	Iso.G. period 4s	33 10	8	Green conical tower; 21.	Visible 258°-112°.
21964 <i>E 6385.5</i>	-Epi Sud, head.	35° 49.5' N 10° 39.1' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	33 10	8	Red conical tower; 21.	Visible 079°-277°. Reserve light range 6M.
21972 <i>E 6387</i>	El Kantaoui, marina, E. jetty, head.	35° 53.6' N 10° 36.1' E	Fl.G. period 4s fl. 1s, ec. 3s	30 9	6	Green tower; 20.	
21976 <i>E 6387.3</i>	--W. jetty, head.	35° 53.6' N 10° 36.1' E	Fl.R. period 5s fl. 1s, ec. 4s	29 9	6	Red tower; 20.	
21976.3 <i>E 6388</i>	Hargalah, large jetty, head.	36° 01.9' N 10° 30.7' E	Fl.(2)G. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	16 5	6		
21976.4 <i>E 6388.2</i>	-S. jetty, head.	36° 01.9' N 10° 30.6' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	16 5	6		
21976.5 <i>E 6386</i>	Hammamet.	36° 23.7' N 10° 36.9' E	Fl.(2)W. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	56 17	15	Lantern on Casbah wall; 46.	Visible 255°-165°. Reserve light F.W.
21976.51 <i>E 6386.1</i>	-Port Yasmine Yacht Harbor, Hammamet.	36° 22.3' N 10° 32.8' E	L.Fl.(2)W. period 15s fl. 2.5s, ec. 2.5s fl. 2.5s, ec. 7.5s	56 17	12	Tower on harbor master's office.	Visible 030°-210°.
21976.6 <i>E 6389.5</i>	Ra's al Ma'murah, large jetty, head.	36° 27.1' N 10° 47.1' E	Fl.(2)G. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	16 5	6		
21976.7 <i>E 6389.6</i>	-S. jetty, head.	36° 27.0' N 10° 47.8' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	16 5	6		
KELIBIA:							
21977 <i>E 6390.4</i>	-S. jetty, head.	36° 49.9' N 11° 06.5' E	Fl.(2)W. period 8s fl. 1s, ec. 1.5s fl. 1s, ec. 4.5s	16 5	5	White pylon.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TUNISIA							
21978 E 6390.42	--Spur.	36° 50.0' N 11° 06.6' E	Fl.G. period 4s fl. 0.5s, ec. 3.5s	16 5	2	Green pylon.	
21979 E 6390.6	-W. jetty, head.	36° 50.1' N 11° 06.6' E	Fl.R. period 2s	16 5	2	Red pylon.	
21980 E 6390	-Rass Mostefa.	36° 50.2' N 11° 07.0' E	Fl.(4)W. period 20s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 12.2s	269 82	23	White platform, black lantern; 59.	
21982 E 6391	Ras el Melah.	36° 52.3' N 11° 08.1' E	Fl.R. period 4s	79 24	3		
21984 E 6392	Cap Bon (Ra's at Tib).	37° 04.7' N 11° 02.7' E	Fl.(3)W. period 20s fl. 0.2s, ec. 3.8s fl. 0.2s, ec. 3.8s fl. 0.2s, ec. 11.8s	412 126	30	White tower, red top; 66.	Visible 068°-310°, except when obscured by Zembra Island 100°-108°. Radiobeacon 0.7 mile SSW.
21985 E 6392.3	-Pipeline zone, S. end.	37° 00.4' N 11° 03.5' E	Fl.(4)Y. period 15s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	52 16	9	SPECIAL Y, beacon, topmark.	
21985.1 E 6392.4	-Pipeline zone, N. limit.	37° 01.6' N 11° 03.4' E	Fl.(4)Y. period 15s	52 16	10	SPECIAL Y, beacon, topmark.	
KHALIS TUNIS:							
-La Goulette:							
21988 E 6394	--Zembretta Isle.	37° 06.3' N 10° 52.4' E	Fl.W. period 4s fl. 1s, ec. 3s	194 59	6	White square tower, lantern, lower part black; 26.	Visible 124°-099°.
21989 E 6394.2	-Ile Zembra, E. entrance.	37° 07.0' N 10° 48.3' E	Fl.(4)G. period 15s	16 5	5		
21989.1 E 6394.4	--W. entrance.	37° 06.9' N 10° 48.4' E	Fl.(5)R. period 20s	11 4	5		
21990 E 6394.5	Sidi Daoud, fishing harbor, N. jetty, head.	37° 01.1' N 10° 54.3' E	Fl.(2)R. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	10 3	6		
21991 E 6394.6	-S. jetty, head.	37° 01.1' N 10° 54.4' E	Fl.(2)G. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	10 3	6		
21992	--Entrance buoy "Goulette 1".	36° 47.0' N 10° 23.0' E	Iso.W. period 4s			SAFE WATER RW, can.	Channel marked by IALA system buoys.
21996 E 6396	--Jetee Nord, No. "9", head.	36° 48.4' N 10° 18.7' E	Fl.(3)W. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	43 13	13	Gray pylon, green top; 33.	Visible 215°-035° and 090°- 121°. Reserve light F.W. 8M.
22000 E 6397.5	--Port side.	36° 48.3' N 10° 18.5' E	F.R.	43 13	5		
22002 E 6397	-Digue Nord, head.	36° 48.4' N 10° 18.6' E	Fl.(2)G. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	30 9	5		
22004 E 6399	--Digue Sud No. "10".	36° 48.3' N 10° 18.4' E	Fl.R. period 5s	30 9	6	Red truncated tower; 23.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TUNISIA							
22008 <i>E 6396.5</i>	--Ro Ro Berth.	36° 48.5' N 10° 18.5' E	Fl.G. period 4s fl. 1s, ec. 3s	23 7	6		
22020 <i>E 6406</i>	---300°, No. "15".	36° 48.8' N 10° 17.6' E	Dir.Fl.W. period 1.5s	40 12	13	Tower with green and white bands; 36.	Intensified 298°30'-301°30'.
22024	--Power station, SW. corner.	36° 48.8' N 10° 17.4' E	F.G.				Inner channel marked by lights.
22028 <i>E 6407</i>	--078°, No. "17".	36° 48.8' N 10° 17.5' E	Dir.Oc.(3)R. period 20s	36 11	11	Red metal framework tower; 33.	Intensified 074°-082°.
22032 <i>E 6410</i>	-Tunis.	36° 47.7' N 10° 11.5' E	Dir.Fl.(2)W. period 6s	37 11	11	White building; 33.	Intensified 256°-260°.
22034 <i>E 6400</i>	Shore, S. of Tunis Channel Entrance.	36° 47.9' N 10° 17.0' E	Fl.(2)Y. period 9s fl. 0.5s, ec. 1s fl. 0.5s, ec. 7s	26 8	6	Yellow pylon.	
22040 <i>E 6412</i>	Ras Qartajamah.	36° 52.3' N 10° 20.9' E	Fl.W. period 5s fl. 0.3s, ec. 4.7s	480 146	22	White tower, black top; 39.	
22044 <i>E 6413</i>	-Jetty, SE. extremity.	36° 51.8' N 10° 21.0' E	Fl.G. period 5.5s fl. 1s, ec. 4.5s	26 8	6	Pylon; 13.	
22048 <i>E 6413.2</i>	-Jetty, NW. extremity.	36° 51.9' N 10° 21.0' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	13 4	4	Pedestal; 10.	
22056 <i>E 6414</i>	Al Jazirah al Mussattahah.	37° 10.9' N 10° 19.7' E	Fl.(2)W.R. period 10s	65 20	W. 15 R. 11	White square tower, red bands, white rectangular base, red lantern; 39.	R. 067°-107°, W.-067°.
22060 <i>E 6415</i>	Lac de Porto-Farina, N. jetty, head.	37° 08.9' N 10° 12.6' E	Fl.G. period 2s fl. 0.5s, ec. 1.5s	16 5	3	Tower; 13.	
22062 <i>E 6415.2</i>	-S. jetty, head.	37° 08.5' N 10° 12.6' E	F.R.	16 5	3		
22064 <i>E 6416</i>	Iles Cani.	37° 21.2' N 10° 07.4' E	Fl.(2)W.R. period 10s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 7.2s	129 39	W. 19 R. 16	White round tower, black bands on dwelling; 69.	W. 237°-177°, R.-237°. Reserve light range 15M.
BANZART (BIZERTE):							
22068 <i>E 6420</i>	-Detached breakwater, S. head.	37° 16.6' N 9° 54.1' E	Iso.G. period 4s	49 15	3	White pylon, black top; 26.	Radiobeacon 4.3 miles NNW.
22076 <i>E 6422</i>	--N. head.	37° 16.9' N 9° 53.9' E	Fl.(2)R. period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	33 10	2	Red tower; 26.	
22078 <i>E 6423</i>	-Zarzouna, fishing harbor, N. breakwater.	37° 16.1' N 9° 53.8' E	Fl.(2)G. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	20 6	6	Green beacon.	
22078.5 <i>E 6423.4</i>	--E. breakwater.	37° 16.1' N 9° 53.7' E	Fl.(2)R. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	20 6	6	Red beacon.	
22080 <i>E 6426</i>	-Jette Nord, head.	37° 16.8' N 9° 53.6' E	F.G.	49 15	8	Green round tower; 26.	
22084 <i>E 6428</i>	-East Jetty, N. head.	37° 16.6' N 9° 53.6' E	Iso. R. period 4s	79 24	10	Red tower; 56.	
22088 <i>E 6432</i>	-Entree du Goulet, N. head.	37° 16.5' N 9° 53.1' E	F.G.	16 5	4		

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TUNISIA							
22092 <i>E 6434</i>	--S. head.	37° 16.4' N 9° 53.2' E	Fl.R.	16 5	3		Visible 055°-310°.
22096 <i>E 6436</i>	-Goulet, Quai Nord.	37° 16.0' N 9° 52.3' E	Fl.G. period 4s	16 5	2	Green metal framework tower; 12.	
22100 <i>E 6438</i>	--Quai Sud.	37° 15.9' N 9° 52.4' E	Fl.R. period 4s	16 5	2	Red metal framework tower; 12.	
22104 <i>E 6440</i>	--Pointe de Sebra.	37° 15.6' N 9° 51.7' E	Iso.W.	52 16	8	White tower, black stripes; 49.	
22106 <i>E 6454</i>	-Menzel Abderrahman.	37° 13.9' N 9° 51.7' E	Fl.R. period 5s fl. 1s, ec. 4s	30 9	4		
MANZIL BU RUQAYBAH:							
22108 <i>E 6444</i>	-Port Office.	37° 09.7' N 9° 48.7' E	F.W.R.	69 21	4	White tower; 65.	R. 184°-204°, W.-274°, obscured elsewhere. Limits of sectors not well defined. Occasional.
22120 <i>E 6446</i>	-Digue Est, N. head.	37° 09.5' N 9° 48.9' E	F.R.	26 8	4		
22124 <i>E 6445</i>	-Jetee Nord, E. head.	37° 09.6' N 9° 48.9' E	F.G.	26 8	4		
22132 <i>E 6456</i>	Ras Engela.	37° 20.7' N 9° 44.3' E	Fl.W.R. period 2.5s fl. 0.5s, ec. 2s	125 38	W. 28 R. 25	Black square tower, white band on dwelling; 49.	R. shore west of light-085° W.- shore.
22136 <i>E 6458</i>	Cap Serrat.	37° 13.9' N 9° 12.6' E	Fl.(2)W.R. period 10s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 7.2s	653 199	W. 24 R. 22	Black tower, white band on yellow dwelling; 43.	W. 261°-238°, R.-261°.
22138 <i>E 6459</i>	Sidi Mechrig, N. Head.	37° 10.1' N 9° 07.5' E	Fl.R. period 5s fl. 1s, ec. 4s	33 10	6		
22139 <i>E 6459.1</i>	-S. head.	37° 10.1' N 9° 07.5' E	Fl.G. period 4s fl. 1s, ec. 3s	33 10	6		
22140 <i>E 6459.2</i>	--Inner head.	37° 10.1' N 9° 07.6' E	Fl.G. period 4s fl. 1s, ec. 3s	13 4	3		
22144 <i>E 6464</i>	Galiton de l'Ouest.	37° 29.9' N 8° 52.6' E	Fl.(4)W. period 20s fl. 0.4s, ec. 2.9s fl. 0.4s, ec. 2.9s fl. 0.4s, ec. 2.9s fl. 0.4s, ec. 9.7s	551 168	24	Black tower, cupola on gray building; 46.	Obscured 227°-250°. May appear as Fl.(2)W. 20s at a distance.
	-Auxiliary light.		F.R.	524 160	22		Visible 064°-069°.
22145 <i>E 6465</i>	Ile de La Galite, jetty, head.	37° 31.5' N 8° 56.3' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s		6		
22146 <i>E 6465.2</i>	-Jetty, NE. corner.	37° 31.5' N 8° 56.4' E	Fl.(2)G. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s		6		
22148 <i>E 6460</i>	Jazirat Tabargah.	36° 57.8' N 8° 45.5' E	Fl.W. period 2.5s	236 72	17	White tower.	
22152 <i>E 6462</i>	-Fishing harbor, N. mole, head.	36° 57.4' N 8° 45.9' E	Fl.G. period 4s fl. 1s, ec. 3s	33 10	6	Green tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TUNISIA							
22156 <i>E 6462.4</i>	--Digue, E. elbow.	36° 57.5' N 8° 45.9' E	Fl.R. period 5s fl. 1s, ec. 4s	33 10	6	Red tower.	
22158 <i>E 6463</i>	<i>Ecueils des Sorelles Buoy.</i>	37° 23.9' N 8° 35.3' E	V.Q.(9)W. period 10s	26 8		W. CARDINAL BYB, spherical, topmark.	
	RACON		G(— — •)				(3 & 10 cm)

Section 15

Algeria and Morocco

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ALGERIA							
22164 <i>E 6482</i>	El Kala (La Calle), E. side of entrance.	36° 54.0' N 8° 26.6' E	F.R.	56 17	9	White tower, red lantern; 24.	Obscured by Pointe Noire southward of 091°.
22166 <i>E 6483</i>	-Pointe du Cimetiere, jetty, head.	36° 54.1' N 8° 27.5' E	Fl.G. period 4s fl. 1s, ec. 3s	33 10	2	White tower; 13.	
22168 <i>E 6484</i>	Cap Rosa.	36° 56.9' N 8° 14.4' E	Fl.(2)W. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	427 130	10	White round tower; 42.	
ANNABA (BONE):							
22176 <i>E 6486</i>	-Jetee du Lion, head.	36° 54.3' N 7° 47.1' E	Oc.(3)G. period 12s lt. 4.5s, ec. 1.5s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 1.5s	52 16	9	White tower; 56.	
22180 <i>E 6490</i>	-Jetee Sud, head.	36° 54.2' N 7° 46.9' E	Oc.(2)R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	52 16	10	White tower; 46.	
22184 <i>E 6492.4</i>	-Jetee Sud, N. side.	36° 54.2' N 7° 46.8' E	F.R.	23 7	2	White column.	
22188 <i>E 6495.2</i>	-Grand Basin, entrance, N. side.	36° 54.5' N 7° 46.7' E	F.G.	10 3	2	White square structure; 7.	
22192 <i>E 6495</i>	-Darse de la Grenouillere, S. side of entrance.	36° 54.4' N 7° 46.6' E	F.R.	10 3	2	White square structure; 6.	A F.G. light is shown on N. side of entrance.
22196 <i>E 6496</i>	-Passe Cigogne, SE. corner.	36° 53.8' N 7° 46.1' E	F.G.	26 8		White column; 23.	Visible 210°-065°.
22204 <i>E 6504</i>	-Fort Genois.	36° 57.0' N 7° 46.6' E	Oc.(2)W. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	200 61	10	White masonry building; 26.	Obscured 240°-263° within 0.5M.
22208 <i>E 6506</i>	Cap de Garde.	36° 58.1' N 7° 47.1' E	Fl.W. period 5s fl. 0.4s, ec. 4.6s	469 143	30	Gray square tower, white dwelling; 46.	
22212 <i>E 6508</i>	Roche Akcine (Axin).	37° 03.2' N 7° 30.8' E	Fl.(2)W. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	52 16	8	ISOLATED DANGER BRB, tower, topmark.	Visible 054°-324°.
BAIE DE TAKOUCH:							
22216 <i>E 6510</i>	-Cap Takouch, N. side of entrance.	37° 04.6' N 7° 23.5' E	Oc.W.R. period 4s lt. 3s, ec. 1s	420 128	W. 8 R. 5	White tower, black cupola; 33.	W. 140°-278°, R.-290°, W.-320°, obsc.-140°.
22220 <i>E 6512</i>	-E. jetty, head.	37° 04.0' N 7° 23.3' E	F.G.	30 9	2	White column; 16.	
22224 <i>E 6514</i>	-W. jetty, head.	37° 04.0' N 7° 23.0' E	F.R.	26 8		White column; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ALGERIA							
GOLFE DE STORA:							
22228 <i>E 6516</i>	-Cap de Fer.	37° 04.9' N 7° 10.4' E	Fl.(3)W. period 15s fl. 0.4s, ec. 2.6s fl. 0.4s, ec. 2.6s fl. 0.4s, ec. 8.6s	213 65	19	White tower, yellow top; 57.	Obscured by coast between 254° and 312°.
22232 <i>E 6518</i>	-El Mersa.	37° 01.7' N 7° 15.2' E	Iso.W. period 4s	33 10	7	White tower; 16.	
22240 <i>E 6522</i>	-Skikda, N. jetty, head.	36° 53.6' N 6° 54.2' E	Oc.(2)W.R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	69 21	W. 12 R. 9	White tower, upper part red; 46.	W. 160°-288°, R.-160°.
22244 <i>E 6524</i>	--Jetee Ouest (du Chateau-Vert).	36° 53.4' N 6° 54.3' E	F.G.	33 10	5	White tower, upper part green; 27.	Visible 109°-011°.
22248 <i>E 6523</i>	--Traverse Nord, about 46 meters NNE. of head.	36° 53.5' N 6° 54.3' E	F.R.	33 10	6	White tower, red top; 26.	Visible 296°-126°
22252 <i>E 6520</i>	--Port Methanier, main breakwater, head.	36° 53.5' N 6° 56.9' E	Fl.G. period 4s fl. 1s, ec. 3s	52 16	10	White tripod tower; 43.	
22256 <i>E 6520.2</i>	---Lee breakwater, head.	36° 53.3' N 6° 56.8' E	Oc.R. period 4s lt. 3s, ec. 1s	33 10	7	White tower, red top; 20.	2 Oc.W. 5s (occas.) in line 244° 2000 meters WSW.
22264 <i>E 6530</i>	-Ilot des Singes, gulf, W. side.	36° 54.4' N 6° 53.2' E	F.W.G.	55 17	W. 10 G. 6	White square tower, green lantern; 30.	G. 193°30'-216°, W.-023°, G.-080°, obsc.-193°30'.
22268 <i>E 6533</i>	-Ile du Lion.	36° 55.3' N 6° 53.6' E	Fl.G. period 5s			White tripod tower; 43.	
22272 <i>E 6534</i>	-Ile Sridina.	36° 56.3' N 6° 53.3' E	Fl.R. period 5s fl. 0.6s, ec. 4.4s	176 54	13	Square white tower, dwelling; 40.	Obscured by Point Esrah when bearing less than 122°.
22276 <i>E 6538</i>	-Collo, jetty, head.	37° 00.3' N 6° 34.5' E	F.G.	43 13	5	White column; 26.	Obscured when bearing less than 221°.
22280 <i>E 6540</i>	Pointe Djerda.	37° 01.0' N 6° 35.1' E	Fl.G. period 5s fl. 0.6s, ec. 4.4s	85 26	12	White octagonal tower, green lantern; 36.	Obscured 323°-146°.
22284 <i>E 6542</i>	Cap Bougaroun.	37° 05.4' N 6° 28.2' E	Fl.(2)W. period 10s fl. 0.4s, ec. 2.1s fl. 0.4s, ec. 7.1s	298 91	29	White octagonal tower; 33.	Visible 087°-280°. Signal station.
22288 <i>E 6544</i>	Ras el Moghreb.	37° 01.5' N 6° 15.9' E	Fl.W. period 4s fl. 1s, ec. 3s	98 30	10	White tower; 49.	
JIJEL (DJIDJELLI):							
22292 <i>E 6550</i>	-Jetee Nord, main light, groyne, root.	36° 49.7' N 5° 46.9' E	Oc.(1+2)W.R. period 12s lt. 4s, ec. 1s lt. 1s, ec. 1s lt. 4s, ec. 1s	61 19	W. 12 R. 9	Yellow square tower, black top; 26.	R. 096°-101°, W.-096°. Obscured by heights of Picouveau when bearing less than 094°.
22296 <i>E 6551</i>	--head.	36° 49.6' N 5° 47.0' E	Iso.G. period 4s	30 9	6	Black column; 10.	F.R. and F.G. lights mark the heads of the jetties in the inner harbor.
22300 <i>E 6552</i>	-Jetee Sud.	36° 49.5' N 5° 46.8' E	Fl.R. period 4s	23 7	3	Red column; 10.	Fl.R. 4s light marks mole close E.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ALGERIA							
22308 <i>E 6558</i>	Ras Afia.	36° 49.2' N 5° 41.5' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	140 43	24	Yellow octagonal tower and building; 46.	Visible 027°-255°, obscured by Cap Cavallo southward of 064°. Reserve light F.W.
			Fl.R. period 4s	92 28	14	White hut; 3.	Visible 124°-154°.
22312 <i>E 6560</i>	Hadjret Tafalkout.	36° 46.4' N 5° 34.3' E	Fl.(9)W. period 15s	69 21	5	White metal structure; 16.	
22316 <i>E 6562</i>	Ile Mansouria.	36° 40.9' N 5° 28.9' E	F.G.	174 53	4	Column; 20.	
BOUGIE (BEJAIA):							
22320 <i>E 6567</i>	-Jetee Sud.	36° 45.2' N 5° 06.0' E	Oc.(2)R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	36 11	10	White column; 26.	Passes Abd-el-Kadar and Kasbah are marked on N. side by a F.G. light and S. side by a F.R. light.
22324 <i>E 6566</i>	-E. jetty.	36° 45.2' N 5° 06.2' E	Oc.W. period 4s lt. 3s, ec. 1s	52 16	12	Hut on black framework tower; 49.	Obscured by Ras Bouak on bearings less than 205°.
22328 <i>E 6572</i>	-Cap Carbon.	36° 46.6' N 5° 06.3' E	Fl.(3)W. period 20s fl. 0.1s, ec. 3.9s fl. 0.1s, ec. 3.9s fl. 0.1s, ec. 11.9s	722 220	28	White tower on black and yellow house; 33.	Visible 090°-022°, obscured by Cap Noir to westward of 333°.
22332 <i>E 6573</i>	--Auxiliary light, 150 meters 056° from main light, at foot of cliff.	36° 46.6' N 5° 06.4' E	Fl.W.R. period 1.5s	105 32	W. 10 R. 7	White round tower, square dwelling; 26.	W. 094°-114° (obsc. by shore), R. -126°, W. -316°, obsc. -094°, (295°- 316° obsc. by shore).
22336 <i>E 6578</i>	Cap Sigli AVIATION LIGHT.	36° 53.5' N 4° 45.2' E	Fl.W. period 5s fl. 0.6s, ec. 4.4s	187 57	17	White round masonry tower, dwelling; 83.	Obscured by Pointe El Euch when bearing more than 270°, and by Cap Corbelin when bearing less than 093°.
DELLYS:							
22340 <i>E 6580</i>	-Cap Corbelin.	36° 54.5' N 4° 25.2' E	Fl.(2+1)W.R. period 15s	137 42	13	White round tower; gray lantern; 43.	R. 001°30'-104°30', W. -001°30'. Obscured when bearing less than 266°.
22344 <i>E 6582</i>	-Azeffoun, jetty, head.	36° 54.2' N 4° 25.3' E	Fl.R. period 2s fl. 0.5s, ec. 1.5s				Fl.G. 2s light marks E. side.
22348 <i>E 6584</i>	-Pointe de Dellys.	36° 55.4' N 3° 55.4' E	F.R.	135 41	15	Yellow tower, red lantern; 26.	Visible 066°-336°, obscured by Cap Bengut southward of 094°.
22352 <i>E 6588</i>	-Breakwater, head.	36° 54.8' N 3° 55.3' E	Oc.W. period 4s lt. 3s, ec. 1s	39 12	9	White tower, green top; 26.	Obscured by Pointe de Dellys when bearing less than 193°.
22356 <i>E 6590</i>	-S. wharf, SE. angle.	36° 54.9' N 3° 55.2' E	Oc.R. period 4s lt. 3s, ec. 1s	39 12	5	White round tower; 33.	Obscured by Pointe de Dellys when bearing less than 203°.
22360 <i>E 6592</i>	Cap Bengut.	36° 55.2' N 3° 53.5' E	Fl.(4)W. period 15s	208 63	30	White square tower; 95.	Visible 079°-287°, obscured by Pointe de Dellys southward of 270°.
22364 <i>E 6593.4</i>	Courbet-Marine, NE. Pier, head.	36° 48.3' N 3° 33.6' E	Q.W.	52 16	10	White round tower on square hut; 23.	
22368 <i>E 6594</i>	Cap Matifou AVIATION LIGHT.	36° 48.7' N 3° 14.8' E	Fl.(3)W. period 15s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 8.8s	242 74	23	White square tower, dwelling; 36.	Visible 040°-310°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ALGERIA							
22372 <i>E 6596</i>	Tamentfoust (La Perouse), jetty, head.	36° 48.3' N 3° 13.7' E	Iso.R. period 2s	33 10	7	White round column; 23.	Obscured by Cap Matifou when bearing more than 145°.
ALGER (ALGIERS):							
22376 <i>E 6620</i>	-Ecueil M'Tahem.	36° 47.8' N 3° 04.1' E	Q.(3)W. period 10s	40 12	8	E. CARDINAL BYB, tower, topmark, name in white.	Radar reflector.
22380 <i>E 6602</i>	-Passe Nord.	36° 46.6' N 3° 04.7' E	Fl.(2)W. period 3s	75 23	20	White tower; 56.	Visible 154°-055°. Nauphone: Mo.(N) ev. 30s (bl. 3s, si. 3s, bl. 1s, si. 23s).
22384 <i>E 6604</i>	--Jetee Waiter, spur.	36° 46.8' N 3° 04.3' E	Fl.G. period 4s fl. 1s, ec. 3s	33 10	11	White tower; 26.	Visible 309°-133°.
22388 <i>E 6606</i>	--Jetee d l'Est, N. head.	36° 46.7' N 3° 04.2' E	Fl.R. period 4s fl. 1s, ec. 3s	33 10	12	White tower; 23.	Visible 059°-014°.
22400 <i>E 6611</i>	--Jetee Mustapha, spur.	36° 45.8' N 3° 04.7' E	Iso.G. period 4s	39 12	12	White tower; 23.	Visible 295°-104°.
22404 <i>E 6610</i>	--Brise-lames Est.	36° 45.7' N 3° 04.5' E	Oc.R. period 4s lt. 3s, ec. 1s	39 12	13	White tower; 23.	Visible 005°-312°.
22408 <i>E 6613</i>	-Bassin de l'Agha, S. entrance, E. side.	36° 46.0' N 3° 04.3' E	F.G.	36 11	7	White round tower; 26.	Visible 285°-160°.
22412 <i>E 6612</i>	---W. side (Grand Mole).	36° 45.9' N 3° 04.2' E	F.R.	36 11	8	White round tower; 26.	Visible 065°-319°.
22416 <i>E 6616</i>	--(Amiral Mouchez Mole), N. entrance, W. side.	36° 46.3' N 3° 04.0' E	F.R.	33 10	9	White round column; 26.	Visible 145°-025°.
22420 <i>E 6617</i>	---E. side.	36° 46.3' N 3° 04.1' E	F.G.	33 10	8	White round column; 26.	Visible 340°-196°.
22424 <i>E 6621</i>	Cap Caxine.	36° 48.7' N 2° 57.4' E	Fl.W. period 5s fl. 0.2s, ec. 4.8s	210 64	30	Yellow square tower, dark green top, dwelling; 108.	Visible 075°-300°.
22432 <i>E 6624</i>	Sidi Ferruch.	36° 46.0' N 2° 50.9' E	Fl.(3)W. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	138 42	17	White house; 79.	Various lights in port.
22434 <i>E 6624.6</i>	-Jetee Principale, head.	36° 45.8' N 2° 51.1' E	Iso.W.G. period 4s	46 14	W. 11 G. 8	White column; 33.	W. 190°-129°, G.-190°.
22438 <i>E 6629</i>	Bou Haroun, E. jetty, head.	36° 37.4' N 2° 39.4' E	F.R.	26 8	5	White post; 19.	
22440 <i>E 6628</i>	Chera, AVIATION LIGHT.	36° 25.7' N 2° 53.1' E	Fl.(3+1)W. period 7s		50	Control tower.	Height is 5249 feet or 1600 meters.
TIPASA:							
22444 <i>E 6630</i>	-Ras el Kalia.	36° 35.9' N 2° 27.0' E	Oc.W. period 4s lt. 3s, ec. 1s	105 32	12	Yellow square tower, dark green top dwelling; 36.	Unintensified 341°-073°. Red lights on radio masts about 2 miles SE.
22448 <i>E 6631</i>	-New mole, N. head.	36° 35.7' N 2° 27.1' E	F.G.	26 8	6	Column; 23.	Obscured when bearing more than 154°.
22452 <i>E 6632</i>	-E. mole, NW. head.	36° 35.7' N 2° 27.2' E	F.R.	36 11		White post; 33.	Partially obscured by Ras el Kalia.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ALGERIA							
CHERCHELL:							
22468 <i>E 6636</i>	-Fort Joinville.	36° 36.7' N 2° 11.4' E	Fl.(2+1)W. period 15s fl. 0.1s, ec. 6.2s fl. 0.1s, ec. 6.2s fl. 0.1s, ec. 2.4s	121 37	21	Round gray stone tower, black lantern; 85.	Unintensified 326°-037°30'.
22472 <i>E 6638</i>	-Jetee Joinville, head.	36° 36.8' N 2° 11.5' E	Iso.G. period 4s	33 10	7	White column; 16.	
22476 <i>E 6640</i>	-Quai Nord, E. head.	36° 36.7' N 2° 11.5' E	F.G.	23 7	5	White column; 13.	
22480 <i>E 6642</i>	-Quai Est, N. head.	36° 36.7' N 2° 11.4' E	F.R.	23 7	6	White column; 13.	
22484 <i>E 6637</i>	-Grand Hamman Shelf.	36° 36.9' N 2° 11.7' E	Q.W.	42 13	7	N. CARDINAL BY, pillar, topmark; 23.	
22486 <i>E 6644</i>	Ilot Tokikt.	36° 35.7' N 1° 50.5' E	Fl.(2)W. period 6s				
22488 <i>E 6646</i>	Cap Tenes.	36° 33.0' N 1° 20.5' E	Fl.(2)W. period 10s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 7.4s	292 89	31	White square tower on dwelling; 85.	
TENES:							
22492 <i>E 6651</i>	-Jetee, NE. head.	36° 31.7' N 1° 19.2' E	Oc.(2)R. period 6s lt. 1s, ec. 1s lt. 3s, ec. 1s	33 10	8	White tower, red lantern; 26.	Obscured 096°-193°.
22496 <i>E 6650</i>	-Jetee, NW. head.	36° 31.6' N 1° 19.1' E	Oc.(2)G. period 6s lt. 1s, ec. 1s lt. 3s, ec. 1s	33 10	7	White tower, green lantern; 23.	Obscured 116°-226°.
22500 <i>E 6648</i>	-Detached breakwater, W. head.	36° 31.7' N 1° 19.0' E	Q.W.	33 10	10	White round tower; 13.	
22504 <i>E 6649</i>	--E. head.	36° 31.8' N 1° 19.2' E	Iso.G. period 4s	33 10	6	White round tower; 13.	
22508 <i>E 6652</i>		36° 31.7' N 1° 19.6' E	Dir.F.W.G.		8	Stone hut.	W. sector 1°.
22512 <i>E 6656</i>	Pointe Colombi.	36° 26.7' N 0° 56.5' E	Fl.(3)W. period 15s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 8.8s	197 60	26	Yellow square tower on red building; 95.	
22516 <i>E 6656.5</i>	-Ile Colombi.	36° 26.3' N 0° 55.2' E	Oc.(2)G. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	95 29	5	White metal pylon; 10.	
22520 <i>E 6658</i>	Cap Ivi.	36° 06.9' N 0° 13.7' E	Fl.W. period 5s fl. 0.4s, ec. 4.6s	387 118	31	Yellow octagonal tower, red house; 59.	Visible 064°-244°.
GOLFE D'ARZEW:							
-Mostaganem:							
22524 <i>E 6660</i>	--Jetee Nord, head.	35° 56.1' N 0° 04.2' E	Fl.(4)W.R. period 12s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	56 17	W. 13 R. 10	White tower, red top; 33.	W. 234°-197°, R.-234°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ALGERIA							
22528 <i>E 6664</i>	--Mole de la Liberation.	35° 56.2' N 0° 04.6' E	Fl.G. period 4s	36 11	6	White column; 29.	
22532 <i>E 6662</i>	--Traverse SW., head.	35° 56.0' N 0° 04.4' E	Oc.(2)G. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	42 13	5	White column, green top; 23.	
22536 <i>E 6661</i>	--Jette Nord, spur, head.	35° 56.2' N 0° 04.5' E	Oc.(2)R. period 6s lt. 1s, ec. 1s lt. 3s, ec. 1s	36 11	7	White round tower; 23.	Visible 248°-073°.
22540 <i>E 6672</i>	--Ilot d'Arzew.	35° 52.4' N 0° 17.4' W	Fl.R. period 5s fl. 0.6s, ec. 4.4s	62 19	16	White tower; 40.	Obscured by Cap Carbon when bearing less than 132°.
22548 <i>E 6669</i>	--Jette Abri, head.	35° 51.6' N 0° 17.4' W	Oc.G. period 4s lt. 3s, ec. 1s	30 9	9	White column; 26.	
22552 <i>E 6670</i>	--Jette du Large, head.	35° 50.9' N 0° 17.4' W	Q.(4)W. period 6s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 2.5s	49 15	12	White tower, black top; 4.	
22556 <i>E 6671.2</i>	--Jette Sud, head.	35° 51.3' N 0° 17.9' W	Iso.R. period 2s	13 4	2	Red framework tower; 9.	
22560 <i>E 6671</i>	--Jette secondaire, on dolphin 30 meters E. of head.	35° 51.0' N 0° 17.8' W	Fl.R. period 4s fl. 1s, ec. 3s	20 6	2	Red tower; 7.	
-Bettioua:							
22572 <i>E 6665.4</i>	--W. breakwater, head.	35° 49.3' N 0° 15.4' W	Fl.G. period 2s fl. 0.5s, ec. 1.5s				
22576 <i>E 6665.3</i>	--E. breakwater, head.	35° 49.1' N 0° 14.5' W	Fl.R. period 2s fl. 0.5s, ec. 1.5s				
22577 <i>E 6665.5</i>	--Port de Servitude, E. breakwater.	35° 49.0' N 0° 15.7' W	Fl.(2)R. period 6s				
22578 <i>E 6665.6</i>	---W. breakwater.	35° 49.0' N 0° 15.8' W	Fl.(2)G. period 6s				
22580 <i>E 6674</i>	Cap de l'Aiguille.	35° 52.6' N 0° 29.4' W	Fl.(2)W. period 10s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 7.2s	203 62	26	White tower and dwelling; 33.	Partially obscured between 000° and 010°.
ORAN:							
22584 <i>E 6678</i>	-Jette du Large.	35° 43.2' N 0° 37.6' W	Fl.(2+1)W. period 15s	69 21	22	White metal framework tower; 49.	Visible 062°-332°. Horn: 3 bl. ev. 60s (bl. 2s, si. 3s, bl. 2s, si. 25s, bl. 2s, si. 26s).
22588 <i>E 6679</i>	--Epi du Large.	35° 43.1' N 0° 37.6' W	Iso.G. period 4s	27 8	7	Black column.	
22592 <i>E 6680</i>	--Spur N. of Ravin Blanc Mole.	35° 42.9' N 0° 38.0' W	Oc.(2+1)G. period 12s lt. 4s, ec. 1s lt. 4s, ec. 1s lt. 1s, ec. 1s	28 9	6	Black column; 23.	
22596 <i>E 6682</i>	--Spur opposite Mole Millerand.	35° 42.8' N 0° 38.3' W	Oc.(3)G. period 12s lt. 4.5s, ec. 1.5s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 1.5s	28 9	6	Black column; 23.	Visible 213°-123°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ALGERIA							
22600 <i>E 6679.4</i>	-Traverse du Large.	35° 43.0' N 0° 37.5' W	Iso.R. period 4s	29 9	8	Red column; 26.	
22604 <i>E 6684</i>	-Mole du Ravin Blanc, NE. corner.	35° 42.8' N 0° 37.9' W	Oc.(2)R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	29 9	7	Red column; 23.	Visible 079°-338°.
22608 <i>E 6684.2</i>	--NW. corner.	35° 42.9' N 0° 37.9' W	F.R.	29 9	7	Red column; 23.	Visible 342°30'-243°30'.
22610 <i>E 6685</i>	-Mole Oblique, NE. corner.	35° 42.8' N 0° 38.1' W	F.R.	29 9	3	Red column; 23.	
22612 <i>E 6685.2</i>	--NW. corner.	35° 42.7' N 0° 38.2' W	Iso.R. period 2s	26 8	6	White hut; 19.	
22616 <i>E 6687</i>	-Mole Millerand, NW. corner.	35° 42.7' N 0° 38.5' W	F.R.	29 9	7	Red column; 23.	Visible 359°-332°.
22620 <i>E 6694.2</i>	-Mole Jules Giraud, NW. corner.	35° 42.7' N 0° 38.9' W	F.R.	29 9	7	Red column; 23.	Visible 000°-255°.
22624 <i>E 6694</i>	--NE. corner.	35° 42.7' N 0° 38.7' W	Oc.(4)R. period 12s lt. 5s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s	29 9	7	Red column; 23.	
22628 <i>E 6695</i>	-lbn-Tofail, NE. corner.	35° 42.6' N 0° 39.1' W	Oc.W. period 4s lt. 3s, ec. 1s	30 9	10	Red column; 23.	Visible 063°-333°.
22632 <i>E 6695.2</i>	--NW. corner.	35° 42.6' N 0° 39.1' W	Oc.R. period 4s lt. 3s, ec. 1s	30 9	7	Red column; 23.	
22636 <i>E 6696</i>	-Mole du Centre, inner port, NE.	35° 42.7' N 0° 39.2' W	F.R.	29 9	7	Red column; 23.	Visible 109°-019°.
22640 <i>E 6696.2</i>	--SE. corner.	35° 42.7' N 0° 39.0' W	Iso.G. period 4s	29 9	6	Black column; 23.	Visible 200°-019°.
22644 <i>E 6700</i>	-Vieux Port, E. mole, head.	35° 42.6' N 0° 39.3' W	F.R.	19 6	7	Red column.	Visible 063°-333°.
MERS EL-KEBIR:							
22648 <i>E 6704</i>	-Entrance Range, front.	35° 43.3' N 0° 42.2' W	Oc.(2+1)R. period 12s lt. 4s, ec. 1s lt. 4s, ec. 1s lt. 1s, ec. 1s	173 53	9	Metal framework tower, black triangular daymark, white square; 59.	Visible 244°-274°.
22652 <i>E 6704.1</i>	--Rear, 330 meters 259° from front.	35° 43.2' N 0° 42.5' W	Oc.(2+1)R. period 12s lt. 4s, ec. 1s lt. 4s, ec. 1s lt. 1s, ec. 1s	220 67	16	Pylon, square black daymark with white triangle; 23.	
22656 <i>E 6704.4</i>	-N. jetty, head.	35° 43.6' N 0° 40.8' W	V.Q.(4)W. period 2s	43 13	9	White column; 36.	
22660 <i>E 6704.42</i>	--Spur, head.	35° 43.6' N 0° 40.8' W	Fl.G. period 4s fl. 1s, ec. 3s	16 5	3	White pylon, green top; 10.	
22664 <i>E 6704.5</i>	-E. jetty, head.	35° 43.5' N 0° 40.6' W	Fl.R. period 4s fl. 1s, ec. 3s	46 14	12	White pylon, red top; 39.	
22668 <i>E 6706.4</i>	-E. corner Mole Triangulaire.	35° 43.5' N 0° 42.1' W	Q.W.	46 14	13	White framework tower, red bands; 39.	Lights only visible within the harbor are shown from quays in northern part of harbor.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ALGERIA							
22672 E 6708	Cap Falcon.	35° 46.3' N 0° 47.9' W	Fl.(4)W. period 25s fl. 0.2s, ec. 2.9s fl. 0.2s, ec. 2.9s fl. 0.2s, ec. 2.9s fl. 0.2s, ec. 15.5s	341 104	31	White octagonal tower; 89.	The F.G. light is shown from the E. side and the F.R. light from the W. side of entrance at St. Andre.
22676 E 6712	Ile Plane.	35° 46.6' N 0° 54.1' W	Fl.(2)W. period 6s	79 24	9	ISOLATED DANGER BRB, tower; 20.	
22684 E 6714	Iles Habibas.	35° 43.3' N 1° 07.9' W	Fl.W. period 5s fl. 0.6s, ec. 4.4s	367 112	26	Red square tower on dwelling; 39.	
22688 E 6716	Beni Saf, outer breakwater, head.	35° 18.6' N 1° 23.2' W	Iso.G. period 4s	36 11	7	Black column on masonry base; 30.	Visible 072°-342°.
22692 E 6717	-E. breakwater, head.	35° 18.4' N 1° 23.3' W	Oc.(2)R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	30 9	8	Red column; 23.	
22696 E 6718	Ile Rachgoun.	35° 19.5' N 1° 28.7' W	Fl.(2)R. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	266 81	16	Yellow square tower on hut; 49.	
22700 E 6720	-Nemours.	35° 05.9' N 1° 52.3' W	Fl.(3)W. period 15s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 8.5s	305 93	26	Round tower on center of building; 49.	Visible 058°-248°, (obscured by Plateau de Touent S. when bearing more than 237°).
GHAZAOUET (NEMOURS):							
22704 E 6732	-Rocher Les Duex Freres.	35° 06.2' N 1° 52.2' W	Fl.(2)G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	85 26	5	White tower; 13.	Tower not visible from offshore.
22708 E 6722	-Jette Nord, head.	35° 06.4' N 1° 52.1' W	Oc.R. period 4s lt. 3s, ec. 1s	56 17	8	Red column on tower; 49.	
22712 E 6722.2	-Head of spur, 0.4 km. ESE. of N. breakwater head.	35° 06.3' N 1° 51.8' W	F.R.	26 8	6	Red column; 19.	Visible 262°-097°.
22716 E 6726	-Mole E.	35° 06.2' N 1° 51.8' W	F.G.	26 8	5	Black column; 19.	F.G. shown from head of Mole D 076° about 357 meters.
MOROCCO							
22720 E 6757	Cap de l'Eau.	35° 08.8' N 2° 25.5' W	Fl.(2)W. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	138 42	8	White tower on octagonal building; 26.	
22721 E 6757.2	Ras Kebdana, N. breakwater.	35° 08.9' N 2° 24.9' W	Iso.G. period 6s	39 12	10	White tower; 23.	
22722 E 6757.25	-E. breakwater.	35° 08.9' N 2° 25.3' W	Iso.R. period 6s	43 13	10	White tower; 23.	
ISLAS CHAFARINAS (S.):							
22724 E 6754	-Isla Isabel II, near NW. extremity of island.	35° 11.2' N 2° 25.8' W	Fl.W. period 7s	170 52	8	White tower, dwelling; 59.	Obscured by Isla Congreso 045°-080°.
22728 E 6756	--Mole, head.	35° 10.8' N 2° 25.6' W	Fl.(2)R. period 8s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	26 8	4	Square metal pyramidal tower; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
MOROCCO							
22732 <i>E 6752</i>	-Isla del Congreso. S. extremity.	35° 10.7' N 2° 26.3' W	Fl.R. period 4s fl. 0.5s, ec. 3.5s	118 36	5	Gray round tower; 10.	Obscured when bearing less than 110°.
MELILLA (S.):							
22736 <i>E 6758</i>	-Bonete.	35° 17.7' N 2° 56.1' W	Oc.(2)W. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	131 40	14	Dark gray tower with balcony, aluminum and green lantern; 40.	
22740 <i>E 6762</i>	-NE. breakwater, head.	35° 17.3' N 2° 55.4' W	Fl.G. period 4s fl. 1s, ec. 3s	105 32	7	Gray tower with green lantern on grey dwelling; 92.	
22744 <i>E 6757.6</i>	-Puerto do Nador, de Beni Enzar, head.	35° 17.1' N 2° 55.2' W	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	26 8	5	Gray round tower.	Q.R. marks corner of Pier A and Fl.R. 1.5s marks corner of Pier B close SSW.
22748 <i>E 6764</i>	-Mole No. "1".	35° 17.5' N 2° 55.8' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	3	Green round tower; 16.	
22752 <i>E 6768</i>	-Ore dock, head.	35° 17.4' N 2° 56.0' W	Fl.(2+1)R. period 12s	26 8	3	Red round tower, green band; 16.	
22754 <i>E 6765</i>	-Outer dique, head.	35° 17.3' N 2° 55.9' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	13 4	3	Red post; 7.	Fl.G. 4s 1M marks pier 120 meters SW. and Q.(3)W. 10s 3M marks opposite end of dique.
22756 <i>E 6772</i>	-Inner basin, E. jetty, head.	35° 17.5' N 2° 56.2' W	Fl.(4)G. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	20 6	1	Green round tower; 16.	Traffic signals. Storm signals. Fl.(2+1)G. 12s 1M marks SE corner of mole.
22760 <i>E 6774</i>	--W. jetty, head.	35° 17.5' N 2° 56.1' W	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 8	1	Metal post; 13.	
22768 <i>E 6776</i>	Los Farallones, on largest islet.	35° 25.7' N 2° 56.4' W	Iso.Y. period 2s	69 21	6	White and gray tower; 16.	
22772 <i>E 6778</i>	Cap des Trois Fourches.	35° 26.3' N 2° 57.8' W	Fl.(3+1)W. period 20s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 7.2s fl. 0.3s, ec. 7.2s	367 112	19	Gray tower on white two-story dwelling; 59.	Visible 083°-307°. Siren: 4 bl. (3+1) ev. 60s (bl. 2s, si. 3s, bl. 2s, si. 3s, bl. 2s, si. 23s, bl. 2s, si. 23s).
22776 <i>E 6780</i>	Anse Tramontana, Ras Baraket, N. side of entrance.	35° 24.1' N 3° 00.6' W	Oc.(2+1)W. period 12s lt. 1s, ec. 1s lt. 4s, ec. 1s lt. 4s, ec. 1s	160 49	9	White round masonry tower; 13.	
22780 <i>E 0086</i>	Isla de Alboran, summit, about 54 km. N. of cape.	35° 56.4' N 3° 02.2' W	Fl.(4)W. period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	131 40	10	Gray conical tower on dwelling; 66.	
22784 <i>E 6784</i>	Cap Quilates (Ras Tarf), Punta Barbazon, cape, NE. side.	35° 17.0' N 3° 40.8' W	Fl.(3)W. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	203 62	8	Yellow octagonal three-story tower; 105.	Aeromarine light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
MOROCCO							
BAIE D'AI HOCEIMA:							
22788 <i>E 6786</i>	-Morro Nuevo.	35° 15.7' N 3° 55.8' W	Fl.(2)W. period 10s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 7.4s	495 151	20	White support, black top; 52.	Visible 082°-275°.
22792 <i>E 6784.4</i>	-Al Hoceima Range No. "1", front.	35° 14.7' N 3° 55.6' W	F.R.	82 25	3	Post on white tower, red diamond daymark; 16.	
22796 <i>E 6784.41</i>	--Rear, about 90 meters 274° from front.	35° 14.7' N 3° 55.7' W	F.R.	155 47	3	Post on white tower, red diamond daymark; 16.	
22800 <i>E 6784.6</i>	--Range No. "2", front.	35° 15.1' N 3° 55.3' W	F.G.	90 27	3	Post on white tower, green diamond daymark; 16.	
22804 <i>E 6784.61</i>	--Rear, 140 meters 330° from front.	35° 15.1' N 3° 55.4' W	F.G.	150 46	3	Post on white tower, green diamond daymark; 26.	
22808 <i>E 6785.2</i>	-E. breakwater.	35° 14.9' N 3° 55.1' W	Iso.G. period 4s	46 14	4	White tower, green top; 23.	
22812 <i>E 6785</i>	-Los Islotes.	35° 14.9' N 3° 55.2' W	Iso.R. period 4s	49 15	5	White tower, red top; 23.	
22816 <i>E 6788</i>	Penon de Velez de la Gomera (S.), on islet.	35° 10.5' N 4° 18.0' W	Fl.(3)W. period 20s fl. 0.3s, ec. 3.7s fl. 0.3s, ec. 3.7s fl. 0.3s, ec. 11.7s	154 47	12	Gray tower; 20.	
22820 <i>E 6789</i>	Jebha.	35° 13.0' N 4° 40.7' W	Fl.(2)W. period 10s	125 38	18	Black lantern on white hut; 13.	Visible 090°-270°.
22822 <i>E 6789.5</i>	Oued Laou.	35° 28.3' N 5° 06.5' W	Oc.(2)W. period 6s lt. 2.4s, ec. 1.6s lt. 0.4s, ec. 1.6s	492 150	18	White round tower.	
22828 <i>E 6820</i>	Tetouan, AVIATION LIGHT (Sania Ramel).	35° 35.5' N 5° 19.9' W	Fl.W. period 5s	115 35	54	Tower; 52.	Occasional.
22832 <i>E 6824</i>	Cabo Negro.	35° 41.2' N 5° 16.4' W	Fl.(2+1)W. period 12s	443 135	20	White tower; 43.	
22836 <i>E 6825</i>	Port de Mediq, E. jetty, head.	35° 41.1' N 5° 18.5' W	Q.W.	39 12	13	White tower; 13.	Visible 090°-270°. Southwestward a F.G. and F.R. light, respectively, on heads of W. jetty and spur of E. jetty. Horn: 1 bl. ev. 60s.
22838 <i>E 6830</i>	Marina Smir, breakwater, head.	35° 45.1' N 5° 20.3' W	Iso.G. period 4s	36 11	4	White conical tower.	
CEUTA (S.):							
22840 <i>D 2482</i>	-Punta Almina.	35° 54.0' N 5° 16.8' W	Fl.(2)W. period 10s fl. 0.4s, ec. 2.1s fl. 0.4s, ec. 7.1s	484 148	22	White round tower on dwelling; 52.	
22844 <i>D 2486</i>	-(Dique de Poniente), W. breakwater, head.	35° 53.8' N 5° 18.7' W	Fl.G. period 5s fl. 1s, ec. 4s	43 13	5	Green tower; 20.	Siren: 1 bl. ev. 15s (bl. 2s, si. 13s).
-RACON.			O(— — —) period 72s				
22848 <i>D 2484</i>	-(Dique de Levante), E. breakwater, head.	35° 53.8' N 5° 18.4' W	Fl.R. period 5s fl. 1s, ec. 4s	43 13	5	Red concrete tower; 23.	Visible 245°-210°.
22852 <i>D 2487</i>	-(Dique de Poniente Spur, SE. corner.	35° 53.8' N 5° 18.7' W	Fl.(2)G. period 8s fl. 1s, ec. 1s fl. 1s, ec. 5s	23 7	1	Green column on green base; 13.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
MOROCCO							
22856 <i>D 2488</i>	-Muelle de Espana, NW. corner.	35° 53.6' N 5° 18.9' W	Fl.(2+1)R. period 12s fl. 1s, ec. 1s fl. 1s, ec. 3s fl. 1s, ec. 5s	23 7	3	Red post, green band; 13.	
22858 <i>D 2490.5</i>	--Breakwater.	35° 53.5' N 5° 19.1' W	Fl.(4)G. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	20 6	1	Green post on green base; 13.	
22860 <i>D 2490</i>	-Darsena de Pescadores, extremity of breakwater.	35° 53.5' N 5° 18.8' W	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 8	1	White tower, red lantern; 20.	
22862 <i>D 2492</i>	-Muelle de Ribera.	35° 53.5' N 5° 18.6' W	Fl.G. period 4s	23 7	1	Green round mast on stone hut; 10.	Fl.(2+1)G. 21s 7m 1M shown 190 meters ENE. Fl.(3)G. 9s 7m 1M shown 400 meters ENE.
22864 <i>D 2493</i>	Punta Cires.	35° 54.5' N 5° 28.9' W	Fl.(3)W. period 12s fl. 1.6s, ec. 0.4s fl. 1.6s, ec. 0.4s fl. 1.6s, ec. 6.4s	144 44	18	Yellow truncated conical tower; 26.	Visible 060°-330°.
22868 <i>D 2496</i>	Ksar es Srhir, mole, head.	35° 51.0' N 5° 33.6' W	Fl.(4)W. period 12s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	52 16	8	Column on metal framework tower; 36.	
BAIE DE TANGER:							
22872 <i>D 2498</i>	-Pointe Malabato.	35° 49.0' N 5° 44.9' W	Fl.W. period 5s fl. 0.7s, ec. 4.3s	249 76	22	White square tower on dwelling; 59.	
22880 <i>D 2500</i>	-Le Charf (Mount Direction).	35° 46.1' N 5° 47.3' W	Oc.(3)W.R.G. period 12s lt. 4.5s, ec. 1.5s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 1.5s	289 88	W. 16 R. 12 G. 11	Roof of white dwelling; 23.	G. 140°-174°30', W.-200°, R.- 225°, obs.-140°. F.R. light on radio mast 1.1 miles SW.
22884 <i>D 2504</i>	-Yacht Quay, head.	35° 47.3' N 5° 47.9' W	Iso.G. period 4s	20 6	6	White column; 13.	
22885 <i>D 2506</i>	-Inner harbor entrance, N. mole, head.	35° 47.3' N 5° 48.2' W	F.G.	13 4	6	White column, green top.	
22886 <i>D 2507</i>	--S. mole, head.	35° 47.2' N 5° 48.2' W	F.R.	13 4	6		
22888 <i>D 2502</i>	-Outer breakwater, head.	35° 47.5' N 5° 47.6' W	Fl.(3)W. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	69 21	14	White tower; 52.	
22892 <i>D 2503</i>	-South Mole (Quay 2), head.	35° 47.3' N 5° 47.8' W	Oc.(2)R. period 6s lt. 1s, ec. 1s lt. 3s, ec. 1s	23 7	6	White column; 20.	
22896 <i>D 2510</i>	Cap Spartel.	35° 47.5' N 5° 55.3' W	Fl.(4)W. period 20s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 12.3s	312 95	30	Yellow square tower; 79.	Aeromarine light. Diaphone: (375 meters 225°) 4 bl. ev. 90s.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
MOROCCO							
22900 <i>D 2512</i>	Tanger Boukhalf AVIATION LIGHT.	35° 43.5' N 5° 54.7' W	Fl.W. period 12s	85 26	25	Control tower; 39.	Visible 067°-115°. A Mo.(TG)G. light may also be shown. Occasional.
ASILAH (ARZILA):							
22904 <i>D 2514</i>	-Entrance.	35° 28.0' N 6° 02.0' W	F.R.	23 7		Post.	
22908 <i>D 2514.1</i>	--Rear, 140° from front.	35° 28.0' N 6° 01.9' W	F.R.	33 10		Iron tower.	
LARACHE:							
22912 <i>D 2532</i>	-Punta Nadar.	35° 11.7' N 6° 10.0' W	Fl.(2)W. period 15s fl. 0.3s, ec. 3.4s fl. 0.3s, ec. 11s	256 78	26	White octagonal tower on building; 144.	
22916 <i>D 2522</i>	-Jetty, W. head, N. side of entrance.	35° 12.2' N 6° 09.3' W	Oc.(4)W. period 15s lt. 2s, ec. 5.5s lt. 2s, ec. 0.5s lt. 2s, ec. 0.5s	49 15	17		Horn: 4 bl. ev. 60s.
22920 <i>D 2524</i>	-Outer Bar Range, front.	35° 11.8' N 6° 08.3' W	Iso.W. period 2s	33 10	4	Red post, white triangular daymark, point up; 29.	Obscured 212°-352°.
22924 <i>D 2524.1</i>	--Rear, 200 meters 102° from front.	35° 12.1' N 6° 08.1' W	Iso.W. period 2s	49 15	4	White post, white triangular daymark, point down; 42.	Obscured 212°-352°.
22928 <i>D 2526</i>	-Inner Bar Range, front.	35° 11.7' N 6° 08.9' W	F.R.	66 20	2	White mast; 39.	Obscured 275°-015°30'.
22932 <i>D 2526.1</i>	--Rear, on church 70 meters 145°30' from front.	35° 12.1' N 6° 09.0' W	F.R.	95 29	2	Church tower; 62.	Obscured 235°30'-055°30'.
22934 <i>D 2528</i>	-Training wall, head.	35° 12.0' N 6° 08.8' W	F.G.				
22938 <i>D 2537</i>	-Sidi al Hachmi al Bahraoui.	34° 39.4' N 6° 24.8' W	Fl.(2)W. period 10s	223 68	12		
MEHDIYA:							
22940 <i>D 2540</i>	-Mehdia, Oued Sebu Range, front.	34° 15.8' N 6° 40.2' W	Dir.F.G.	49 15	12	Black tower, green triangular daymark, white stripes; 33.	Intensified 100°-105°.
22944 <i>D 2540.1</i>	--Rear, about 800 meters 102°30' from front.	34° 15.5' N 6° 39.6' W	Oc.(3)W. period 12s lt. 4.5s, ec. 1.5s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 1.5s	243 74	16	White hut, red octagonal tower; 29.	Signal station.
22948 <i>D 2542</i>	-N. jetty, head.	34° 16.2' N 6° 41.1' W	Oc.(2)R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	56 17	5	Red and white tower; 29.	Oc.(2)R. 155 meters ESE.
22952 <i>D 2543</i>	-S. jetty, head.	34° 16.0' N 6° 41.3' W	Iso.G. period 4s	52 16	6	White tower; 33.	
22956 <i>D 2543.2</i>	-Oued Sebou, S. jetty, root.	34° 15.8' N 6° 40.7' W	F.W.				
22960 <i>D 2544</i>	-Range No. "2", front.	34° 16.2' N 6° 39.9' W	F.R.	8 2	7	Tide gauge.	Intensified 2°30' each side of range line.
22964 <i>D 2544.1</i>	--Rear, about 213 meters 060° from front.	34° 16.1' N 6° 39.7' W	F.R.	15 5	8	Black and white beacon.	Intensified 2°30' each side of range line.
22968 <i>D 2544.5</i>	-Range No. "3", front.	34° 16.6' N 6° 38.6' W	F.G.	16 5	7	White beacon.	Intensified 2°30' each side of range line.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
MOROCCO							
22972 <i>D 2544.6</i>	--Rear, about 320 meters from front.	34° 16.4' N 6° 38.4' W	F.G.	109 33	16	White beacon.	Intensified 2°30' each side of range line.
22976 <i>D 2545</i>	-Range No. "4", front (downstream).	34° 16.4' N 6° 38.9' W	F.G.	15 5	7	Black and white beacon.	Intensified 2°30' each side of range line.
22980 <i>D 2545.1</i>	--Rear, about 274 meters from front.	34° 16.2' N 6° 39.1' W	F.G.	135 41	16	White beacon.	Intensified 2°30' on each side range line.
22984 <i>D 2545.3</i>	-Range No. "4", front (upstream).	34° 18.7' N 6° 36.9' W	F.R.	39 12		Red and white beacon.	Intensified 2°30' each side of range line. Oc.(2)R. shown on pier about 2.4 km. 221°.
22988 <i>D 2545.4</i>	--Rear, about 350 meters from front.	34° 18.7' N 6° 36.2' W	F.R.	88 27		Red and white beacon.	Intensified 2°30' each side of range line.
22992 <i>D 2541</i>	-Kenitra AVIATION LIGHT.	34° 17.6' N 6° 36.2' W	Al.FI.(2+1)W.G. period 10s fl. 1s, ec. 3.5s	180 55	15	Yellow tower, white top.	A F.R. light is shown from a radio tower, about 15.6 km. 194°. Occasional.
22996 <i>D 2546</i>	-Range No. "5", front.	34° 18.9' N 6° 36.1' W	Oc.(2)W. period 9s	10 3		White beacon.	
23000 <i>D 2546.1</i>	--Rear, about 162 meters from front.	34° 18.8' N 6° 35.9' W	F.R.	65 20		Red and white beacon.	
23004 <i>D 2546.6</i>	-Beacon.	34° 18.9' N 6° 35.8' W	F.R.				
23008 <i>D 2546.3</i>	-Range No. "6", front.	34° 18.9' N 6° 35.2' W	F.R.				
23012 <i>D 2546.4</i>	--Rear, about 268 meters from front.	34° 18.7' N 6° 34.9' W	F.R.	23 7		White beacon.	Oc.(2)R. 9s 128 meters SSE.
23016 <i>D 2547</i>	-Range No. "7", front (downstream).	34° 18.6' N 6° 34.7' W	F.R.	3 1			Oc.(2)R. 9s about 2 km. SSW.
23020 <i>D 2547.1</i>	--Rear, about 366 meters from front.	34° 18.6' N 6° 34.5' W	F.R.	10 3		White beacon.	
23024 <i>D 2547.4</i>	-Range No. "7", front (upstream).	34° 16.5' N 6° 35.6' W	F.G.				
23028 <i>D 2547.5</i>	--Rear, about 244 meters from front.	34° 16.2' N 6° 35.5' W	F.G.	39 12		Black and white beacon.	
23032 <i>D 2548.4</i>	--Beacon.	34° 16.0' N 6° 35.0' W	Oc.G. period 4.9s				
23036 <i>D 2554</i>	Rabat.	34° 02.1' N 6° 50.8' W	Oc.(2)W. period 6s lt. 1s, ec. 1s lt. 3s, ec. 1s	102 31	16	Yellow tower, black lantern; 79.	F.R. on radio mast 12 miles NE. Unintensified 290°-020°.
23048 <i>D 2557</i>	-Rabat Sale, AVIATION LIGHT.	34° 03.0' N 6° 46.0' W	Fl.W. period 10s fl. 1s, ec. 9s			Control tower.	Occasional.
MOHAMMEDIA:							
23054 <i>D 2558.4</i>	-Breakwater, head.	33° 44.1' N 7° 23.2' W	Fl.(2)W. period 10s	69 21	10	Green pylon.	
23056 <i>D 2559</i>	-Ben Chergui, first Range, front.	33° 43.8' N 7° 20.7' W	Oc.(2)W.G. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	33 10	W. 14 G. 11	Black and white checkered support; 10.	W. 040°-076°, G.-126°, W.-220°.
23060 <i>D 2559.1</i>	--Rear, about 255 meters from front.	33° 43.5' N 7° 20.5' W	Oc.(2)W. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	79 24	18	White rectangular hut, dwelling; 26.	Intensified 119°30'-140°30'. Synchronized with front.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
MOROCCO							
23064 <i>D 2560</i>	-205°.	33° 42.0' N 7° 23.0' W	Dir.Q.W.R.G.	118 36	W. 12 R. 9 G. 9	Red and white striped hut, near water tower; 16.	G. 183°-203°, W.-207°, R.-211°. Ships stay in W. sector entering or leaving port.
23068 <i>D 2563</i>	-S. jetty, N. head.	33° 43.0' N 7° 23.7' W	Oc.(2)R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	26 8	6	Red and white striped tower, red tank; 15.	
23072 <i>D 2562</i>	-N. jetty, head.	33° 43.1' N 7° 23.6' W	Iso.W.G. period 4s	26 8	W. 9 G. 5	Green and white striped tower, green tank; 16.	W. 240°-191°, G.-240°.
23076 <i>D 2561</i>	-Entrance Range, front.	33° 43.0' N 7° 24.1' W	Dir.Oc.(3)W. period 12s lt. 4.5s, ec. 1.5s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 1.5s	36 11	18	Black and white banded rectangular column; 33.	Intensified 2°30' each side of range line.
23080 <i>D 2561.1</i>	--Rear, about 110 meters 265° from front.	33° 43.0' N 7° 24.1' W	Dir.Oc.(3)W. period 12s lt. 4.5s, ec. 1.5s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 1.5s	46 14	18	Black and white striped rectangular column; 42.	Intensified 2°30' each side of range line. Synchronized with front.
CASABLANCA:							
23084	-Approach Buoy "CA1".	33° 39.5' N 7° 34.6' W	Iso.W. period 4s			SAFE WATER RW, spherical, topmark.	Radar reflector.
	-RACON		O(— — —)				
23096 <i>D 2566</i>	-Pointe d'Oukacha.	33° 37.1' N 7° 33.9' W	V.Q.(2)W. period 2s	95 29	18	Red hut on white square tower; 66.	Visible 110°-255°.
	--Auxiliary light.		F.R.	79 24	12	Same tower; 46.	Visible 055°-110°.
23100 <i>D 2567</i>	-Roches-Noires.	33° 37.0' N 7° 35.0' W	Oc.W.R. period 4s lt. 3s, ec. 1s	69 21	W. 16 R. 12	Red hut on white tower; 62.	W. shore-090°, R.-162°, W.-shore. Difficult to identify.
23104 <i>D 2570</i>	-Jetee Delure (Moulay Youssef), NE. spur.	33° 37.0' N 7° 35.7' W	Oc.(2)G. period 6s	16 5	5	White hut, green bands; 10.	Visible 230°-070°.
23108 <i>D 2569</i>	-SW. jetty.	33° 36.8' N 7° 35.5' W	Oc.(2)R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	41 12	7	White hut, red column; 13.	Synchronized with Jetee Transversale Light.
23112 <i>D 2570.2</i>	--S. spur.	33° 37.0' N 7° 36.0' W	Oc.G. period 2s lt. 1.5s, ec. 0.5s	20 6	5	White hut, green column; 13.	Visible 238°-070°. Horn: 2 bl. ev. 60s. Signal station.
23114 <i>D 2569.2</i>	-Container Terminal, NE. corner.	33° 36.8' N 7° 35.6' W	Fl.(3)R. period 12s				
23116 <i>D 2572</i>	-Jetee Transversale, outer head.	33° 36.6' N 7° 36.3' W	Oc.R. period 4s lt. 3.5s, ec. 0.5s	23 7	6	White hut, red column; 13.	Visible 026°-257°. Synchronized with SW. jetty light.
23120 <i>D 2572.2</i>	-Phosphate pier, NW. corner.	33° 36.6' N 7° 36.3' W	F.R.	10 3			Visible 007°-207°.
23124 <i>D 2568</i>	-Entrance Range, front.	33° 37.0' N 7° 36.0' W	Dir.Oc.W. period 4s lt. 3s, ec. 1s	98 30	18	Red and white banded tower; 89.	Intensified 002°30' each side of range line.
23128 <i>D 2568.1</i>	--Rear, about 770 meters 228° from front.	33° 36.2' N 7° 36.6' W	Oc.(4)W.R. period 12s lt. 5s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s	157 48	W. 16 R. 12	Grain elevator; 148.	Obscured by new dock silo 138°-153°. W. shore-245°, R.-285°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
MOROCCO							
23132 <i>D 2574</i>	El Hank.	33° 36.7' N 7° 39.4' W	Fl.(3)W. period 15s fl. 0.1s, ec. 2.9s fl. 0.1s, ec. 2.9s fl. 0.1s, ec. 8.9s	213 65	30	Round masonry tower; 161.	Siren: 3 bl. ev. 120s (bl. 3s, si. 27s, bl. 3s, si. 27s, bl. 3s, si. 57s).
23136 <i>D 2576</i>	Anfa (Cazes) AVIATION LIGHT.	33° 34.0' N 7° 40.0' W	U.Q.(2)W. period 11s fl. 0.1s, ec. 0.1s fl. 0.1s, ec. 10.7s	262 80	17	Iron framework; 98.	Occasional.
23140 <i>D 2582</i>	Pointe d'Azemmour.	33° 21.0' N 8° 18.0' W	Fl.(2)W.R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	148 45	W. 15 R. 11	White tower; 46.	W. 075°-100°, R.-245°.
EL JADIDA (MAZAGAN):							
23144 <i>D 2588</i>	-Sidi Bou Afi.	33° 15.0' N 8° 31.0' W	Fl.W. period 5s fl. 0.2s, ec. 4.8s	213 65	30	White tower, black top; 151.	
23148 <i>D 2584</i>	-Sidi Mesbah, about 6.5 km. E. of town.	33° 15.0' N 8° 26.0' W	Oc.(2)W.R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	164 50	W. 14 R. 11	White square tower, green top; 59.	R. shore-151°, W.-188°.
23150 <i>D 2587.5</i>	-Sidi Daoui.	33° 15.8' N 8° 30.6' W	Fl.(2)W. period 10s	46 14	10	White tower, black bands; 33.	
23152 <i>D 2586</i>	-N. jetty, head.	33° 16.0' N 8° 30.0' W	Iso.W.G. period 4s	23 7	W. 13 G. 9	White support, green band; 13.	G. 120°-235°, W.-120°.
23156 <i>D 2587</i>	-S. jetty, head.	33° 15.4' N 8° 29.9' W	F.R.	33 10	7	White column, red band.	
23160 <i>D 2590</i>	El Jorf Lasfar.	33° 09.7' N 8° 37.7' W	Fl.(3)W. period 12s	102 31	15	White square tower and wall, black top; 56.	
23162 <i>D 2590.5</i>	-Entrance.	33° 08.9' N 8° 37.0' W	Dir.Fl.(3)W.R.G. period 6s		6	Column.	G. 041°-042°, W.-044°, R.-045°.
23164 <i>D 2591</i>	-W. jetty, head.	33° 07.5' N 8° 38.7' W	Fl.(2)R. period 10s	59 18	8	Round concrete tower; 33.	
23168 <i>D 2591.2</i>	-Breakwater, extremity.	33° 07.6' N 8° 38.5' W	F.R.	49 15	8	Round concrete tower; 33.	
23172 <i>D 2591.4</i>	-E. jetty, head.	33° 08.0' N 8° 38.0' W	Fl.G. period 4s fl. 1s, ec. 3s	46 14	8		
23176 <i>D 2592</i>	Beddouza.	32° 32.6' N 9° 17.0' W	Fl.(2)W. period 10s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 7.6s	213 65	22	Turret on fort flanked by 4 towers, 2 with green and yellow bands; 62.	
SAFI:							
23180 <i>D 2595</i>	-Pointe de la Tour , about 2.4 km. 293° from Sidi Bou Zid Mosque.	32° 20.0' N 9° 17.0' W	Oc.(4)W. period 12s lt. 5s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s	295 90	18	Yellow square tower; 39.	F.R. lights on radio mast 0.9 km. 016°. Visible 302°-164°.
23184 <i>D 2595.4</i>	-0.4 km. ENE. from jetee Transversale, Nord.	32° 19.0' N 9° 15.1' W	Dir.Fl.(2)W.R.G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	36 11	W. 14 R. 13 G. 13	Black and white banded tower; 26.	G. 085°-097°, W.-103°, R.-113°.
23188 <i>D 2599</i>	-Inner entrance Range, front.	32° 19.0' N 9° 15.0' W	Q.W.	36 11	12	White column, red bands; 29.	Visible 060°-240°.
23192 <i>D 2599.1</i>	--Rear, about 150 meters 150° from front.	32° 18.3' N 9° 14.8' W	Q.W.	46 14	12	White tower, red bands; 36.	Visible 060°-240°. Synchronized with front.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
MOROCCO							
23196 <i>D 2596</i>	-Grande Jetee, head.	32° 19.0' N 9° 15.0' W	Iso.G. period 4s	39 12	8	White pylon, green top; 26.	Radar reflector.
23200 <i>D 2596.2</i>	--Elbow.	32° 18.7' N 9° 15.2' W	F.G.	19 6	3	White and green tank; 16.	Visible 133°-335°.
23201 <i>D 2596.6</i>	--Spur, W. side of entrance.	32° 18.5' N 9° 15.1' W	F.G.	33 10	6		
23204 <i>D 2598</i>	-Jetee Transversale, N.	32° 18.8' N 9° 15.1' W	Oc.R. period 4s lt. 3s, ec. 1s	23 7	6	Gray hut, red top; 13.	
23208 <i>D 2600</i>	-Muelle de Fosfatos, head.	32° 18.6' N 9° 15.0' W	F.R.	26 8	7	White concrete hut, red lantern; 16.	Visible 323°-143°.
23212 <i>D 2600.2</i>	--Root.	32° 18.6' N 9° 14.7' W	Oc.(2)W. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	92 28	12	Yellow square tower; 89.	Visible 012°-145°. Two F.R. lights are shown from chimney about 3.52 km. SSE.
23214 <i>D 2601</i>	Cap Hadid.	31° 41.9' N 9° 39.8' W	Fl.(2)W. period 15s	157 48	20	Framework tower; 98.	
ESSAQUIRA:							
23216 <i>D 2602</i>	-Sidi Magdul.	31° 29.6' N 9° 46.0' W	Oc.W.R.G. period 4s	62 19	W. 14 R. 11 G. 9	White square tower; 49.	G. 034°-124°, W.-136°, R.-214°, W.-260°, W. (unint.)-350°, W.-034°.
23220 <i>D 2602.1</i>	-Jetee, SW. head.	31° 30.5' N 9° 46.6' W	Q.W.	26 8	12	White column, black band; 29.	Visible 208°-108°. Nauphone: 1 bl. ev. 60s.
23224 <i>D 2602.2</i>	-Lighter basin, W. side of entrance, (Jetee SW.).	31° 30.6' N 9° 46.6' W	Oc.(2)R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	10 3	6	White dwelling, red hut; 6.	Visible 187°-360°.
23228 <i>D 2602.4</i>	-E. side of entrance, (Jetee E.)	31° 30.6' N 9° 46.5' W	Fl.G. period 4s fl. 1s, ec. 3s	10 3	5	White square dwelling, black hut; 6.	
23232 <i>D 2604</i>	Cap Sim.	31° 24.0' N 9° 50.0' W	Fl.(3)W. period 15s fl. 0.6s, ec. 2.4s fl. 0.6s, ec. 2.4s fl. 0.6s, ec. 8.4s	338 103	21	White and green banded tower of fort; 65.	Reserve light Fl.(3)W. 12s.
23236 <i>D 2608</i>	Cap Rhir.	30° 38.0' N 9° 53.0' W	Fl.W. period 5s fl. 0.4s, ec. 4.6s	279 85	22	White tower; 135.	
AGADIR:							
23244 <i>D 2611</i>	-W. jetty, head.	30° 25.0' N 9° 38.0' W	Oc.(2)R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	26 8	8	White and red square tower; 23.	Horn: 2 bl. ev. 30s (bl. 2s, si. 3s, bl. 2s, si. 23s).
23248 <i>D 2612</i>	-SE. breakwater, head.	30° 25.1' N 9° 37.8' W	Fl.(2)G. period 6s	16 5	4	White structure, green band; 16.	
23253 <i>D 2613</i>	-Port Anza, W. breakwater, head.	30° 25.2' N 9° 38.6' W	Fl.R. period 4s		5	White tower, red band; 28.	
23254 <i>D 2613.2</i>	--E. breakwater, head.	30° 25.5' N 9° 38.5' W	Fl.G. period 4s		5	White tower, green band; 28.	
23255 <i>D 2614</i>	Inezgane AVIATION LIGHT.	30° 22.8' N 9° 33.4' W	Fl.W. period 3s	118 36	17		

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
MOROCCO							
IFNI:							
23256 <i>D 2616</i>	-Sidi Ifni.	29° 23.0' N 10° 11.0' W	Fl.(1+3)W. period 30s fl. 0.3s, ec. 11s fl. 0.3s, ec. 3.4s fl. 0.3s, ec. 3.4s fl. 0.3s, ec. 11s	187 57	25	Square brown tower on building; 43.	
23257 <i>D 2616.2</i>	--Overhead transporter, head.	29° 21.9' N 10° 12.1' W	Fl.W. period 4s fl. 1s, ec. 3s	33 10	5		
23258 <i>D 2616.4</i>	--Jetty, head.	29° 21.5' N 10° 12.1' W	Iso.R. period 4s	36 11	5		Fl.R. 3s marks inner jetty head.
23260 <i>D 2616.6</i>	Cap Draa.	28° 40.7' N 11° 07.4' W	Fl.(2)W. period 10s	285 87	25	White metal pylon, black bands; 98.	Reserve light Range16M.
23264 <i>D 2617</i>	Cabo Nachtigal (Tan Tan).	28° 30.0' N 11° 21.0' W	Fl.W. period 5s	118 36	15	Red tower, white band; 23.	Visible 305°-215°.
23270 <i>D 2619</i>	Tarfaya.	27° 55.3' N 12° 56.3' W	Fl.(2)W. period 10s		25	Masonry tower; 42.	3 F.R. (vert.) on radio mast 1.5 miles NNE.
23272	--Tarfaya, channel, port side.	27° 57.0' N 12° 55.0' W	Fl.R. period 2s		2		
23276	--Starboard side.	0° 00.0' 0° 00.0'	I.Q.G.		2		

Section 16

Islands of the Eastern North Atlantic

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ACORES (AZORES) (P.)							
ILHA DO CORVO:							
23280 D 2712	-Ponta Negra, S. point of island.	39° 40.0' N 31° 06.7' W	Fl.W. period 5s fl. 1s, ec. 4s	72 22	6	White hexagonal concrete tower; 13.	Visible 236°-256° and 261°-119°.
23284 D 2714	-Canto de Carneira, NE. point.	39° 42.8' N 31° 05.3' W	Fl.W. period 6s fl. 0.5s, ec. 5.5s	781 238	9	Gray round tower; 26.	
ILHA DAS FLORES:							
23288 D 2704	-Ponta das Lajes.	39° 22.4' N 31° 10.1' W	Fl.(3)W. period 28s fl. 0.3s, ec. 4s fl. 0.3s, ec. 4s fl. 0.3s, ec. 19.1s	325 99	26	Square masonry building; 52.	Visible 263°-054°.
23289 D 2705	--Porto das Lajes.	39° 22.7' N 31° 09.7' W	Fl.(2)R. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 8s	33 10	2	White mast.	
23292 D 2706	-Faja Grande, W. side of island.	39° 27.5' N 31° 15.5' W	Fl.W. period 5s fl. 1s, ec. 4s	43 13	4	Red hut on piles; 20.	F.R. lights are shown at the tops of radio masts at Lajes.
23296 D 2703	-Porto das Pocas Range, front.	39° 27.0' N 31° 07.4' W	Fl.R. period 3s fl. 1s, ec. 2s	30 9	5	White post, red bands; 16.	
23300 D 2703.1	--Rear, 290° from front.	39° 27.0' N 31° 07.4' W	Fl.R. period 3s fl. 1s, ec. 2s	59 18	5	White post, red bands; 16.	
23304 D 2702	-Ponta Santa Cruz, E. side of island.	39° 27.2' N 31° 07.2' W	Fl.R. period 5s	46 14	4	Pillar, red and white bands; 20.	Visible 156°-308°.
23308 D 2702.4	-Porto Velho Range, front.	39° 27.2' N 31° 07.3' W	L.Fl.G. period 5s fl. 2s, ec. 3s	43 13	4	Metal structure on wall.	
23312 D 2702.41	--Rear, 261°12' from front.	39° 27.2' N 31° 07.3' W	L.Fl.G. period 5s fl. 2s, ec. 3s	49 15	4	Metal structure on a house.	
23316 D 2708	-Ponta do Albarnaz.	39° 31.0' N 31° 13.6' W	Fl.W. period 5s fl. 0.2s, ec. 4.8s	341 104	22	White round masonry tower, dwelling; 49.	Visible 035°-258°.
ILHA DO FAIAL:							
23318 D 2693	-Almoxarife cables, beach.	38° 33.1' N 28° 36.6' W	Dir.Fl.(2)R. period 8s fl. 1s, ec. 1s fl. 1s, ec. 5s	23 7	9	White tower, red bands; 13.	Visible 224°-225°. Marks submarine cable area. Daytime range 4.7M.
23320 D 2694	-Horta, breakwater, head.	38° 32.0' N 28° 37.3' W	Fl.R. period 3s fl. 1s, ec. 2s	69 21	11	White concrete structure; 49.	
23324 D 2696	--Sea wall, Boa Viagem.	38° 32.2' N 28° 37.6' W	Iso.G. period 1.5s	43 13	9	Prismatic column, red stripe; 23.	
23328 D 2697	-Harbor Range, front.	38° 31.7' N 28° 37.6' W	Iso.G. period 2s	23 7	2	Red mast; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ACORES (AZORES) (P.)							
23332 <i>D 2697.1</i>	--Rear, 196° from front.	38° 31.7' N 28° 37.6' W	Iso.G. period 2s	33 10	2	White mast, red stripe; 16.	
23336 <i>D 2698</i>	-Feteira Range, front.	38° 31.0' N 28° 41.0' W	Oc.G. period 6s lt. 4s, ec. 2s	26 8	5	Iron post; 13.	
23340 <i>D 2698.1</i>	--Rear.	38° 31.0' N 28° 41.0' W	Oc.G. period 6s lt. 4s, ec. 2s	30 9	5	Iron post; 13.	
23342 <i>D 2697.5</i>	-Pim cables, Porto Pim.	38° 31.5' N 28° 38.5' W	Fl.(2)R. period 8s fl. 1s, ec. 1s fl. 1s, ec. 5s	30 9	9	White tower, red bands; 13.	Visible 345°-013°. Marks submarine cable area. Daytime range 1.7M.
23344 <i>D 2692</i>	-Ponta da Ribeirinha.	38° 35.7' N 28° 36.2' W	Fl.(3)W. period 20s fl. 0.5s, ec. 3s fl. 0.5s, ec. 3s fl. 0.5s, ec. 12.5s	446 136	12	Metal post; 16.	
23346 <i>D 2700</i>	-Ponta dos Cedros.	38° 38.3' N 28° 43.3' W	Fl.W. period 7s	489 149	12	White tower; 10.	
23348 <i>D 2699</i>	-Vale Formoso, SW. side of island.	38° 34.9' N 28° 48.7' W	L.Fl.(2)W. period 10s fl. 2s, ec. 2s fl. 2s, ec. 4s	374 114	13	White truncated conical tower; 46.	
ILHA DO PICO:							
23360 <i>D 2687.2</i>	-Madalena, N. mole.	38° 32.2' N 28° 32.0' W	Oc.R. period 3s lt. 2s, ec. 1s	39 12	10	Red tower, white bands; 26.	
23364 <i>D 2687.5</i>	-Approach Range, front.	38° 32.0' N 28° 31.9' W	Fl.G. period 6s fl. 1.5s, ec. 4.5s	52 16	5	White post, red stripes.	
23368 <i>D 2687.51</i>	--Rear, 150 meters 139° from front.	38° 31.9' N 28° 31.8' W	Fl.G. period 6s	68 21	5	White post, red stripes.	
23372 <i>D 2684</i>	-Areia Larga Anchorage Range, front.	38° 31.6' N 28° 32.2' W	Iso.R. period 4s	36 11	7	White column; 13.	Extinguished in bad weather.
23376 <i>D 2684.1</i>	--Rear, 20 meters 082° from front.	38° 31.6' N 28° 32.1' W	Iso.R. period 4s	43 13	6	Red lantern on roof of house; 13.	Extinguished in bad weather.
23377 <i>D 2691.4</i>	Calhau Range, front.	38° 29.2' N 28° 32.4' W	Oc.R. period 3s lt. 2s, ec. 1s	32 10	6	Illuminated post.	
23377.1 <i>D 2691.41</i>	--Rear, 122° from front.	38° 29.2' N 28° 32.3' W	Oc.R. period 3s lt. 2s, ec. 1s	39 12	6	Column on house.	
23380 <i>D 2691</i>	-Ponta do Sao Mateus.	38° 25.4' N 28° 27.0' W	Fl.W. period 5s	108 33	13	White truncated tower; 43.	Visible 284°-118°.
23385 <i>D 2690.9</i>	-Cabos Galeao.	38° 25.5' N 28° 25.4' W	Fl.(2)R. period 8s fl. 1s, ec. 1s fl. 1s, ec. 5s	30 9	9	White post, red bands; 13.	Visible 315°-010°. Marks submarine cable area.
23392 <i>D 2690.6</i>	-Lajes Range, front.	38° 23.9' N 28° 15.2' W	Oc.R. period 6s lt. 5s, ec. 1s	59 18	7	White wall, yellow band.	
23396 <i>D 2690.7</i>	--Rear, 085° from front.	38° 23.9' N 28° 15.2' W	Oc.R. period 6s lt. 5s, ec. 1s	79 24	7	Metal base, white daymark, yellow stripe.	
23400 <i>D 2690.15</i>	-Santa Cruz das Ribeiras, pier, head.	38° 24.4' N 28° 11.3' W	Fl.R. period 3s fl. 1s, ec. 2s	46 14	14	White tower, red bands; 28.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ACORES (AZORES) (P.)							
23404 <i>D 2690</i>	-Ponta da Ilha.	38° 24.8' N 28° 01.9' W	Fl.(3)W. period 15s fl. 0.3s, ec. 6s fl. 0.3s, ec. 2s fl. 0.3s, ec. 6.1s	95 29	24	White square tower, red lantern and dwelling; 62.	Visible 166°-070°.
23408 <i>D 2688</i>	-Cais do Pico, N. side of island.	38° 31.7' N 28° 19.3' W	Oc.R. period 6s lt. 4s, ec. 2s	10 3	6	Concrete structure; 16.	Indicates anchorage when bearing 222°.
23410 <i>D 2688.2</i>	--On mole.	38° 31.9' N 28° 19.2' W	Fl.G. period 3s fl. 1s, ec. 2s	23 7	2	Truncated conical tower, white and green bands; 13.	Visible 120°-030°.
23420 <i>D 2690.02</i>	-Manhenha Range, front.	38° 24.6' N 28° 02.2' W	Fl.R. period 5s fl. 1s, ec. 4s	42 13	6	Iron post; 6.	
23424 <i>D 2690.03</i>	--Rear, 19 meters from front.	38° 24.6' N 28° 02.2' W	Fl.R. period 5s fl. 1s, ec. 4s	66 20	6	On E. corner of building; 13.	
23428 <i>D 2689</i>	-Prainha.	38° 28.5' N 28° 12.1' W	Fl.R. period 4s fl. 1s, ec. 3s	46 14	7	Red column, white bands; 10.	Visible 128°-287°.
23432 <i>D 2689.4</i>	-Santo Amaro Range, front.	38° 27.4' N 28° 10.1' W	Oc.R. period 6s lt. 4s, ec. 2s	23 7	7	Red post, white bands; 20.	
23436 <i>D 2689.41</i>	--Rear.	38° 27.4' N 28° 10.1' W	Oc.R. period 6s lt. 4s, ec. 2s	30 9	7	Red post, white bands; 20.	
23440 <i>D 2690.1</i>	-Calheta de Nesquim Range, front.	38° 24.2' N 28° 04.7' W	Fl.R. period 5s fl. 1.5s, ec. 3.5s	42 13	7	White column, red lantern; 3.	
23444 <i>D 2690.11</i>	--Rear, 30 meters from front.	38° 24.2' N 28° 04.7' W	Fl.R. period 5s fl. 1.5s, ec. 3.5s	59 18	7	Red metal column; 20.	
ILHA DE SAO JORGE:							
23448 <i>D 2683</i>	-Ponta Rosais.	38° 45.2' N 28° 18.8' W	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	857 261	8	Round tower on building.	
23452 <i>D 2682</i>	-Porto das Velas, in harbor.	38° 40.9' N 28° 12.2' W	Oc.G. period 3s lt. 2s, ec. 1s	85 26	7	Red lantern on post, yellow and black stripes; 23.	Inside anchorage when light bears 348°.
23456 <i>D 2682.2</i>	--Cais das Velas.	38° 40.7' N 28° 12.3' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	52 16	7	Truncated tower, red and white stripes.	
23457 <i>D 2682.3</i>	--Cabos Velas.	38° 40.7' N 28° 12.3' W	Fl.(2)R. period 8s fl. 1s, ec. 1s fl. 1s, ec. 5s	52 16	9	White post, red bands; 13.	Visible 033°-061°. Marks submarine cable area.
23460 <i>D 2682.4</i>	--Central anchorage Range, front.	38° 40.7' N 28° 12.5' W	Iso.R. period 5s	43 13	6	Column, red and white stripes.	
23464 <i>D 2682.5</i>	---Rear, Ermida do Livramento, W. of the port, 300° from front.	38° 40.9' N 28° 13.0' W	Oc.R. period 6s lt. 5s, ec. 1s	164 50	7	Small chapel; 26.	With Porto das Velas Light bearing 348° indicates anchorage.
23466 <i>D 2681.8</i>	-Quimada.	38° 40.1' N 28° 11.6' W	Fl.W. period 5s fl. 1.5s, ec. 3.5s	164 50	10	Round column, white and red stripes; 20.	
23468 <i>D 2681.5</i>	-Urzelina.	38° 38.6' N 28° 07.7' W	Fl.R. period 6s fl. 1.5s, ec. 4.5s	33 10	6	2 posts on white wall; 13.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ACORES (AZORES) (P.)							
23472 <i>D 2680.2</i>	-Ponta da Forcada.	38° 35.7' N 27° 58.9' W	Fl.W. period 3s fl. 1s, ec. 2s	197 60	6	Tower, red and white bands; 15.	
23476 <i>D 2681</i>	-Calheta, wharf.	38° 36.1' N 28° 00.6' W	Oc.R. period 3s lt. 2s, ec. 1s	59 18	7	White concrete structure; 10.	
23477 <i>D 2681.2</i>	--Mole.	38° 36.0' N 28° 00.4' W	Fl.R. period 3s fl. 1s, ec. 2s	33 10	10	Truncated tower, red and white bands; 20.	
23480 <i>D 2680</i>	-Ponta do Topo.	38° 33.0' N 27° 45.3' W	Fl.(3)W. period 20s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 13.3s	190 58	20	White tower, red cupola and dwellings; 52.	Visible 133°-033°.
23482 <i>D 2683.5</i>	-Norte Grande.	38° 40.8' N 28° 03.1' W	Fl.W. period 6s fl. 1s, ec. 5s		12	Round tower, red and white stripes; 20.	
23484 <i>D 2670</i>	-Ponta do Carapacho.	39° 00.8' N 27° 57.4' W	Fl.(2)W. period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	627 191	15	Round concrete tower next to a dwelling, painted white; 46.	Visible 165°-098°.
ILHA GRACIOSA:							
23488 <i>D 2674</i>	-Fort do Santo, N. side of island.	39° 05.3' N 28° 00.5' W	Fl.R. period 4s fl. 1s, ec. 3s	46 14	6	Red tower; 20.	Aero Radiobeacon 0.6 mile SSW.
23489 <i>D 2672.3</i>	-Vila da Praia Range, front.	39° 03.2' N 27° 58.2' W	Fl.R. period 2s fl. 0.5s, ec. 1.5s	30 9	6	White tower, red bands; 13.	Visible 140°54'-112°54'.
23489.1 <i>D 2672.35</i>	--Rear, 306°54' from front.	39° 03.2' N 27° 58.2' W	Iso.R. period 4s	49 15	6	White column, red bands; 13.	Visible 140°54'-112°54'.
23490 <i>D 2672.5</i>	-Ponta da Rochela.	39° 03.2' N 27° 58.0' W	Fl.G. period 3s fl. 1s, ec. 2s	52 16	9	White tower, green bands; 13.	
23491 <i>D 2672.7</i>	-Praia.	39° 03.1' N 27° 58.3' W	Fl.(2)R. period 8s fl. 1s, ec. 1s fl. 1s, ec. 5s	46 14	9	Red lantern on terrace of building.	Visible 264°-292°. Marks submarine cable area.
23496 <i>D 2677</i>	-Folga, on headland.	39° 01.5' N 27° 58.1' W	L.Fl.W. period 5s fl. 2s, ec. 3s	102 31	4	Support on a white building; 16.	
23500 <i>D 2676</i>	-Ponta da Barca.	39° 05.6' N 28° 03.0' W	Fl.W. period 7s fl. 0.4s, ec. 6.6s	233 71	20	White round tower, black bands, hut; 75.	Visible 029°-031°, 035°-251°, 267°-287°.
ILHA TERCEIRA:							
23504 <i>D 2668</i>	-Ponta da Serreta.	38° 46.0' N 27° 22.5' W	Fl.W. period 6s fl. 1s, ec. 5s	312 95	12	White tower, red bands; 45.	
23508 <i>D 2669</i>	-Biscoitos.	38° 48.1' N 27° 15.5' W	Oc.W. period 6s lt. 4s, ec. 2s	43 13	9	White column, red bands; 10.	
23512 <i>D 2660</i>	-Vila Nova.	38° 46.9' N 27° 08.5' W	Iso.W. period 6s	36 11	9	Truncated pyramid; 7.	
23516 <i>D 2661</i>	-Lajes AVIATION LIGHT.	38° 45.6' N 27° 04.8' W	Al.Fl.W.G. period 10s	436 133	W. 28 G. 23	Wooden framework tower; 62.	
23524 <i>D 2662</i>	-Praia da Vitoria, N. mole, head.	38° 43.6' N 27° 03.1' W	Fl.W. period 5s fl. 1s, ec. 4s	39 12	10	Post, black and white bands; 30.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ACORES (AZORES) (P.)							
23525 <i>D 2662.5</i>	--S. mole, head.	38° 43.2' N 27° 02.9' W	Fl.R. period 3s fl. 1s, ec. 2s		8	White concrete tower, red bands; 52.	
23528 <i>D 2663.5</i>	-Ponta de Sao Fernando, at Rivera Seca.	38° 40.6' N 27° 03.9' W	Oc.R. period 3s lt. 2s, ec. 1s	20 6	6	Black square truncated pyramid; 10.	
23532 <i>D 2664</i>	-Ponta das Contendas.	38° 38.7' N 27° 05.1' W	Fl.(4)W.R. period 15s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 7.2s	173 53	23	White square tower attached to building; 43.	W. 220°-020°, R.-044°, W.- 072°, R.-093°.
23536 <i>D 2665</i>	-Porto Judeu.	38° 38.9' N 27° 07.0' W	Fl.W. period 3s fl. 1s, ec. 2s	92 28	7	Truncated pyramid; 7.	
23540 <i>D 2666</i>	-Bahia Angra, Ponte de Sto. Antonio (Monte Brasil).	38° 38.6' N 27° 13.1' W	Oc.W.R. period 10s lt. 6s, ec. 4s	72 22	12	Round column, red and white bands; 16.	R. 191°-295°, W.-057°. 2 Oc.R. 2s and 2 F.R. on radio mast 1.5 miles 350°.
23544 <i>D 2666.2</i>	--Angra do Heroismo entrance Range, front.	38° 39.2' N 27° 13.3' W	Fl.R. period 4s fl. 1s, ec. 3s	98 30	7	Misericordia Church, E. tower; 65.	
23548 <i>D 2666.21</i>	---Rear, about 140 meters 342° from front.	38° 39.3' N 27° 13.1' W	Oc.R. period 6s lt. 4s, ec. 2s	180 55	7	Yellow metal structure.	
23556 <i>D 2666.5</i>	--Porto Pipas, mole, head.	38° 39.0' N 27° 12.9' W	Fl.G. period 3s	49 15	6	Green column, white bands; 16.	Fl.(2)R. 6s 9m 3M light marks marina entrance 150 meters NW.
23558 <i>D 2666.1</i>	-Cabos Silveira.	38° 39.4' N 27° 14.0' W	Fl.(2)R. period 8s fl. 1s, ec. 1s fl. 1s, ec. 5s	95 29	9	White post, red bands; 13.	Visible 024°-052°. Marks submarine cable area.
23560 <i>D 2666.7</i>	-Sao Mateus.	38° 39.3' N 27° 16.1' W	Iso.W.R. period 6s	39 12	W. 10 R. 7	White column, red bands; 10.	R. 270°-296°, W.-067°.
23564 <i>D 2667</i>	-Cinco Ribeiras.	38° 40.6' N 27° 19.8' W	L.Fl.W. period 6s fl. 2s, ec. 4s	75 23	12	White tower, red bands; 7.	Reserve light range 4M.
ILHA DE SAO MIGUEL:							
23568 <i>D 2655</i>	-Ponta da Ferraria.	37° 51.2' N 25° 51.1' W	Fl.(3)W. period 20s fl. 0.4s, ec. 3.6s fl. 0.4s, ec. 3.6s fl. 0.4s, ec. 11.6s	351 107	27	White square tower attached to two-story building; 59.	Visible 339°-174°. Reserve light range 25M. Signal station.
23572 <i>D 2655.4</i>	-Mosteiros.	37° 53.9' N 25° 49.4' W	Oc.R. period 3s lt. 2s, ec. 1s	33 10	6	White column, red bands, red lantern; 13.	Visible 090°-155°.
23576 <i>D 2655.6</i>	-Bretanha.	37° 54.9' N 25° 45.3' W	L.Fl.W. period 6s fl. 2s, ec. 4s	230 70	4	Lantern on red column; 3.	
23580 <i>D 2654</i>	-Santa Clara.	37° 43.9' N 25° 41.2' W	L.Fl.W. period 5s fl. 2s, ec. 3s	88 27	15	Red iron skeleton structure; 26.	Visible 282°-102°.
23584 <i>D 2647</i>	--Breakwater, E. extremity.	37° 44.2' N 25° 39.4' W	L.Fl.R. period 6s fl. 2s, ec. 4s	56 17	10	Truncated tower, red and white bands; 23.	
-Ponta Delgada Harbor:							
23588 <i>D 2649</i>	--Approach Range, front.	37° 44.5' N 25° 39.6' W	Iso.G. period 5s	49 15	7	White facade, yellow house; 9.	
23592 <i>D 2649.1</i>	---Rear, Mail de Deus Church, 190 meters 321° from front.	37° 44.6' N 25° 39.7' W	Oc.G. period 5s lt. 3.5s, ec. 1.5s	161 49	7	Post, red and white bands, black lantern; 15.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ACORES (AZORES) (P.)							
23594 D 2648	--Marina.	37° 44.4' N 25° 39.5' W	Oc.G. period 3s lt. 2s, ec. 1s	43 13	10	Round tower, green and white bands; 20.	
23596 D 2650	--Fort de S. Bras, entrance Range, front.	37° 44.1' N 25° 40.3' W	Oc.R. period 6s lt. 3.5s, ec. 2.5s	46 14	9	E. bastion of fort; 13.	
23600 D 2650.1	--Rear, 27 meters 266° from front.	37° 44.2' N 25° 40.3' W	Oc.R. period 6s lt. 3.5s, ec. 2.5s	66 20	9	On the fort; 16.	
23604 D 2654.2	-AVIATION LIGHT, at airport.	37° 44.7' N 25° 42.5' W	Al.FI.W.G. period 10s	276 84	W. 28 G. 23		Visible 282°-124°. Occasional.
23606 D 2645.5	-Cabos Populo, Populo Beach.	37° 45.0' N 25° 37.1' W	Fl.(2)R. period 8s fl. 1s, ec. 1s fl. 1s, ec. 5s	30 9	9	White post, red bands; 13.	Visible 349°-031°. Marks submarine cable area.
23608 D 2646	-Lagoa.	37° 44.6' N 25° 34.5' W	Fl.R. period 3s fl. 1s, ec. 2s	30 9	6	Metal column, red and white bands; 13.	
23609 D 2645.45	-Cabos Lagoa.	37° 44.6' N 25° 34.2' W	Fl.(2)R. period 8s fl. 1s, ec. 1s fl. 1s, ec. 5s	23 7	9	White post, red bands; 13.	Visible 339°-007°. Marks submarine cable area.
23612 D 2645	-Porto da Caloura, mole, S. extremity.	37° 42.8' N 25° 29.8' W	Fl.W. period 4s fl. 1.5s, ec. 2.5s	23 7	9	Column, red and white band; 7.	2 Oc. G. 3s lights in line 332°24' lead into port.
-Vila Franca do Campo:							
23620 D 2643	--E. mole, head.	37° 42.8' N 25° 25.9' W	Oc.R. period 5s lt. 3s, ec. 2s	26 8	5	Post, red and white bands.	
23626 D 2642.5	--Marina, pier, head.	37° 42.8' N 25° 25.8' W	Fl.G. period 4s fl. 1s, ec. 3s	39 12	9	White tower, green bands; 30.	
23628 D 2642	-Ponta da Garca.	37° 42.8' N 25° 22.2' W	L.FI.W.R. period 5s fl. 2s, ec. 3s	331 101	W. 16 R. 13	White round concrete tower and dwelling; 46.	W. 240°-080°, R.-100°.
23630 D 2641	-Ribeira Quente, mole.	37° 44.0' N 25° 18.0' W	Fl.G. period 4s fl. 1s, ec. 3s	20 6	5	White tower, green bands.	
23636 D 2640	-Ponta do Arnel AVIATION LIGHT, E. side of island.	37° 49.3' N 25° 08.2' W	Fl.W. period 5s fl. 0.2s, ec. 4.8s	217 66	25	White octagonal tower on dwelling; 49.	Visible 157°-355°. Reserve light range 21M. Aeromarine light.
23640 D 2659	-Ponta do Cintrao.	37° 50.6' N 25° 29.3' W	Fl.(2)W. period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	387 118	14	Gray round concrete tower, dwelling; 46.	
23644 D 2659.4	-Port Formoso.	37° 49.4' N 25° 25.6' W	Fl.R. period 4s fl. 1.5s, ec. 2.5s		6	Red lantern on white building, red bands; 10.	
23648 D 2656	-Porto de Capelas, N. side of island.	37° 50.4' N 25° 41.2' W	Fl.(2)R. period 12s fl. 1.5s, ec. 2s fl. 1.5s, ec. 7s	377 115	8	White tower, red bands; 23.	Visible 153°-281°.
23652 D 2657	-Rabo de Peixe Igreja do Bon Jesus.	37° 48.9' N 25° 34.9' W	Iso.W.R. period 5s	197 60	5	Top of tower of Bom Jesus Church; 92.	R. 090°-120°, W.-175°, R.-190°.
ILHA DE SANTA MARIA:							
23664 D 2632	-Goncalo Velho.	36° 55.6' N 25° 00.9' W	Fl.(3)W. period 13.5s fl. 0.4s, ec. 2.5s fl. 0.4s, ec. 2.2s fl. 0.4s, ec. 7.6s	374 114	25	White square masonry tower, attached dwelling; 46.	Visible 181°-089°. Aeromarine light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ACORES (AZORES) (P.)							
23666 <i>D 2632.1</i>	-Cabos Formosa.	36° 57.0' N 25° 05.6' W	Fl.(2)R. period 8s fl. 1s, ec. 1s fl. 1s, ec. 5s	26 8	9	Red post, white bands; 13.	Visible 000°-055°. Marks submarine cable area.
23668 <i>D 2636</i>	-Ponta do Malmerendo, to Vila do Porto, entrance, W. side.	36° 56.4' N 25° 09.4' W	Fl.(2)W. period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	164 50	12	White building, red lantern; 20.	Visible 282°-091°.
23669 <i>D 2635</i>	-Recreio.	36° 56.6' N 25° 08.9' W	Fl.G. period 3s fl. 0.3s, ec. 2.7s	30 9	3	Lantern on mast; 8.	
23670 <i>D 2635.3</i>	-Mole, head.	36° 56.5' N 25° 08.9' W	L.Fl.R. period 5s fl. 2s, ec. 3s	49 15	5	Truncated conical tower, red and white bands; 26.	
23680 <i>D 2634</i>	-AVIATION LIGHT, about 3.7 km. 349° from Ponta do Malmerendo.	36° 59.3' N 25° 10.0' W	Al.Fl.W.G. period 10s	384 117	25	Control tower.	Visible 021°-121°. Shown during low visibility in daytime. Occasional. Aero Radiobeacon about 1.5 miles NNW.
23684 <i>D 2633.7</i>	-Baia dos Anjos Range, front.	37° 00.4' N 25° 09.2' W	Fl.W. period 3s fl. 1s, ec. 2s	43 13	10	Post, red and white stripes; 13.	
23688 <i>D 2633.71</i>	--Rear, about 91 meters 202° from front.	37° 00.2' N 25° 09.5' W	L.Fl.W. period 6s fl. 2s, ec. 4s	69 21	10	Post, red and white stripes; 13.	
23692 <i>D 2633</i>	-Ponta do Norte.	37° 00.5' N 25° 03.6' W	Fl.(4)W. period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	456 139	10	White hexagonal column; 13.	F.R. 6M on radio tower 0.2 miles 131°.
23696 <i>D 2632.3</i>	-Sao Lourenco Range, front.	36° 59.5' N 25° 03.4' W	L.Fl.R. period 5s fl. 2s, ec. 3s	85 26	6	White post, red bands on white house with blue arches, red lantern; 20.	Range difficult to distinguish against background lights.
23700 <i>D 2632.4</i>	--Rear, about 64 meters 273.3° from front.	36° 59.5' N 25° 03.4' W	Oc.R. period 7.5s lt. 4s, ec. 3.5s	121 37	6	Red lantern on house with veranda; 7.	
23702 <i>D 2632.2</i>	-Espigao.	36° 58.9' N 25° 02.9' W	Fl.W. period 6s fl. 1s, ec. 5s	679 207	12	Round column, red and white bands; 20.	
ILHEUS FORMIGAS:							
23704 <i>D 2638</i>	-Formigas, on a rock about 0.5 km. S. of islet.	37° 16.1' N 24° 46.8' W	Fl.(2)W. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 9.5s	72 22	12	White tower; 62.	
ARQUIPELAGO DA MADEIRA (MADEIRA ISLANDS) (P.)							
ILHA DA MADEIRA:							
23708 <i>D 2754</i>	-Ilheu Mole.	32° 52.1' N 17° 09.8' W	Fl.W.R. period 5s fl. 1s, ec. 4s	213 65	W. 10 R. 8	Hexagonal tower; 10.	R. 116°-127° over Baixas do Moniz, W.-116°.
23712 <i>D 2752</i>	-Ponta do Pargo.	32° 48.7' N 17° 15.8' W	Fl.(3)W. period 20s fl. 0.5s, ec. 2.8s fl. 0.5s, ec. 2.8s fl. 0.5s, ec. 12.9s	1024 312	26	Quadrangular masonry tower, attached dwelling; 46.	Reserve light range 21M.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ARQUIPELAGO DA MADEIRA (MADEIRA ISLANDS) (P.)							
23716 <i>D 2750</i>	-Paul do Mar.	32° 45.1' N 17° 13.4' W	Oc.R. period 3s lt. 2s, ec. 1s	56 17	6	Post, red and white stripes; 43.	
23720 <i>D 2746</i>	-Ribeira Brava, S. side of island.	32° 40.0' N 17° 03.8' W	Fl.R. period 5s fl. 1.5s, ec. 3.5s	112 34	9	Red hut; 6.	
23724 <i>D 2744</i>	-Camara de Lobos, W. side of bay.	32° 38.8' N 16° 58.5' W	Oc.R. period 6s lt. 4s, ec. 2s	75 23	9	White hut; 6.	Visible 304°-099°.
23726 <i>D 2743</i>	-Vitoria.	32° 38.5' N 16° 58.1' W	Q.(6)+L.Fl.W. period 15s fl. 5s, ec. 1s fl. 2s, ec. 7s	43 13	9	White structure; 33.	Fl.R. 2.4s light marks dolphin E.
23727 <i>D 2742.2</i>	-Shell W.	32° 38.4' N 16° 57.2' W	F.W.	46 14	2	Green post; 13.	Shown 1930 to 0730. Occasional.
23727.1 <i>D 2724.5</i>	--Range, front.	32° 38.4' N 16° 57.2' W	F.R.	46 14	2	Green post; 13.	On same structure as Shell W light. Occasional.
23727.2 <i>D 2742.6</i>	---Rear, 208 meters from front.	32° 38.5' N 16° 57.1' W	F.R.	144 44	2	Green post; 13.	Occasional.
23727.5 <i>D 2742</i>	-Shell Central.	32° 38.3' N 16° 57.1' W	F.W.	43 13	2	Green post; 13.	Shown 1930 to 0730. Occasional.
23727.6 <i>D 2741.5</i>	-Cabos Formosa, Formosa Beach.	32° 38.3' N 16° 57.0' W	Fl.(2)R. period 8s fl. 1s, ec. 1s fl. 1s, ec. 5s	20 6	9	White post, red bands; 13.	Visible 027°-055°. Marks submarine cable area. Daytime range 2M.
23727.7 <i>D 2741</i>	-Shell E. Range, front.	32° 38.1' N 16° 56.8' W	F.R.	108 33	2	Gray post; 16.	Occasional.
23727.8 <i>D 2741.1</i>	--Rear, 300 meters from front.	32° 38.1' N 16° 56.6' W	F.R.	200 61	2	Black mast; 13.	Occasional.
23727.9 <i>D 2741.3</i>	-Cabos Gorgulho, Gorgulho Beach.	32° 38.2' N 16° 56.1' W	Fl.(2)R. period 8s fl. 1s, ec. 1s fl. 1s, ec. 5s	75 23	9	Lantern with red bands on wall.	Visible 330°-025°. Marks submarine cable area. Daytime range 2M.
-Funchal:							
23728 <i>D 2738</i>	--Breakwater, head.	32° 38.3' N 16° 54.2' W	Fl.R. period 5s fl. 1s, ec. 4s	49 15	8	Truncated column, red and white bands; 20.	Visible 275°-075°. F.R. 3M and F.G. 2M mark heads of breakwaters in Marina to NW.
23732 <i>D 2728</i>	Sao Roque.	32° 42.8' N 16° 45.8' W	L.Fl.W.R. period 5s fl. 2s, ec. 3s	23 7	W. 9 R. 7	White column, red bands, on hut; 13.	R. 230°-265°, W.-230°.
23736 <i>D 2730</i>	--Cais Machico.	32° 43.0' N 16° 45.5' W	Fl.G. period 3s fl. 1s, ec. 2s	23 7	5	Column with green and white bands.	
23740 <i>D 2726</i>	-Ponta de Sao Lourenco.	32° 43.7' N 16° 39.4' W	Fl.W. period 5s fl. 0.5s, ec. 4.5s	338 103	20	White octagonal tower on dwelling; 33.	Reserve light range 17M.
23744 <i>D 2755</i>	-Sao Jorge.	32° 49.9' N 16° 54.4' W	L.Fl.W. period 5s fl. 2s, ec. 3s	889 271	15	Round tower, attached dwelling; 46.	Reserve light range 12M.
ILHAS DESERTAS:							
23748 <i>D 2720</i>	-Ilheu Chao, on N. extremity.	32° 35.3' N 16° 32.7' W	L.Fl.(2)W. period 15s fl. 2s, ec. 2s fl. 2s, ec. 9s	367 112	13	Round tower near dwelling; 46.	
23752 <i>D 2722</i>	-Ilheu de Bugio, (Ponta da Agulha), S. head.	32° 24.2' N 16° 27.7' W	Fl.W. period 4s fl. 1s, ec. 3s	236 72	13	Hexagonal tower; 26.	Visible 163°-100°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ARQUIPELAGO DA MADEIRA (MADEIRA ISLANDS) (P.)							
ILHA DE PORTO SANTO:							
23756 <i>D 2756</i>	-Ilheu de Cima.	33° 03.2' N 16° 16.7' W	Fl.(3)W. period 15s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 9.8s	407 124	21	White quadrangular masonry tower, attached dwelling; 49.	
23765 <i>D 2757.2</i>	New Port, N. mole, head.	33° 03.5' N 16° 18.9' W	Fl.R. period 4s fl. 1s, ec. 3s	43 13	7	Column, red and white bands.	
23766 <i>D 2757</i>	-S. mole, head.	33° 03.5' N 16° 18.8' W	Fl.G. period 4s fl. 1s, ec. 3s	56 17	6	Column, green and white bands.	
23767 <i>D 2763</i>	-N. Coast Ilha de Porto Santo.	33° 05.8' N 16° 20.4' W	Fl.(2)W. period 10s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 7.2s	361 110	12	Round tower, red and white bands; 15.	Visible 064°-243°.
23767.5 <i>D 2757.3</i>	-Cabeco cables, beach.	33° 02.2' N 16° 21.7' W	Fl.(2)R. period 8s fl. 1s, ec. 1s fl. 1s, ec. 5s	33 10	9	White post, red bands; 13.	Visible 308°-328°. Marks submarine cable area. Daytime range 3M.
23768 <i>D 2762</i>	Ilheu de Ferro.	33° 02.2' N 16° 24.3' W	L.Fl.W. period 15s fl. 3s, ec. 12s	426 130	13	Round tower and dwelling; 46.	
23772 <i>D 2769</i>	Selvagem Pequena.	30° 02.0' N 16° 01.6' W	Fl.(2)W. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	164 50	12	Concrete column; 3.	
23776 <i>D 2768</i>	-Selvagem Grande.	30° 08.6' N 15° 52.2' W	Fl.W. period 4s fl. 1s, ec. 3s	535 163	13	Tower, red and white bands; 33.	
ISLAS CANARIAS (CANARY ISLANDS) (S.)							

ISLA DE LA PALMA:

23780 <i>D 2846</i>	-Punta Cumplida.	28° 50.3' N 17° 46.6' W	Fl.W. period 5s fl. 0.5s, ec. 4.5s	207 63	23	Truncated conical masonry tower, white top; 112.	Visible 104°30'-337°.
23784 <i>D 2848</i>	-Santa Cruz de la Palma, mole, head.	28° 40.2' N 17° 45.8' W	Fl.(3)W. period 10s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 7.5s	39 12	5	E. CARDINAL BYB, post, topmark; 13.	
23794 <i>D 2848.4</i>	--Darsena Pesquera breakwater, elbow.	28° 40.3' N 17° 46.1' W	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	3	Red post, square topmark; 13.	
23796 <i>D 2848.5</i>	--Head.	28° 40.4' N 17° 46.1' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	30 9	3	Red post; 13.	
23797 <i>D 2849</i>	-Muelle Polivalente, head.	28° 40.5' N 17° 46.1' W	Fl.(2+1)R. period 21s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 13.5s	30 9	3	Red truncated tower, green band; 13.	

All lights under Spanish control are lighted a quarter of an hour after sunset and extinguished a quarter of an hour before sunrise, except as noted under "Remarks."

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ISLAS CANARIAS (CANARY ISLANDS) (S.)							
23798 <i>D 2849.51</i>	-Punta de Arenas Blancas.	28° 34.6' N 17° 45.7' W	Oc.(3)W. period 8s lt. 3s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s	151 46	20	White round tower; 125.	
23800 <i>D 2850</i>	-Punta de Fuencaliente, S. end of island.	28° 27.4' N 17° 50.8' W	Fl.(3)W. period 18s fl. 1s, ec. 3s fl. 1s, ec. 3s fl. 1s, ec. 9s	118 36	14	White round tower, red bands; 79.	
23801 <i>D 2851</i>	-Punta Lava.	28° 35.6' N 17° 55.5' W	Fl.(1+2)W. period 20s	167 51	20	White octagonal tower.	
23802 <i>D 2852</i>	-Tazacorte Harbor, shelter dike.	28° 38.5' N 17° 56.5' W	Fl.(2)R. period 7s fl. 0.8s, ec. 0.8s fl. 0.8s, ec. 4.6s	56 17	5	Red metal tower; 3.	
HIERRO:							
23804 <i>D 2838</i>	-Puerto de Hierro, mole, head.	27° 46.9' N 17° 53.9' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	46 14	5	Green round tower, conical top and round base; 23.	
23808 <i>D 2836</i>	-Punta Orchilla.	27° 42.5' N 18° 08.8' W	Fl.W. period 5s fl. 0.3s, ec. 4.7s	433 132	24	Gray octagonal masonry tower, square base; 82.	
23810 <i>D 2837</i>	-Puerto de Restinga.	27° 38.3' N 17° 58.9' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	49 15	1	Green conical pyramidal tower; 3.	
ISLA DE LA GOMERA:							
23812 <i>D 2842</i>	-Punta de San Cristobal.	28° 05.5' N 17° 05.9' W	Fl.(2)W. period 10s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 7.3s	277 84	21	White round tower, red band; 49.	
23816 <i>D 2844.75</i>	-Puerto de Sebastian, corner of breakwater.	28° 05.0' N 17° 06.4' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	3	Green post; 10.	
23825 <i>D 2845</i>	-Playade Santiago.	28° 01.5' N 17° 11.7' W	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	43 13	5	Red pillar on red column; 16.	
23826 <i>D 2845.5</i>	-Vueltas Valle Gran Rey.	28° 04.7' N 17° 19.8' W	Fl.(2+1)G. period 21s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 13.5s	52 16	3	Green post with red band; 7.	
ISLA DE TENERIFE:							
23828 <i>D 2829</i>	-Punta de Abona.	28° 08.8' N 16° 25.5' W	Fl.(3)W. period 20s fl. 0.3s, ec. 3.6s fl. 0.3s, ec. 3.6s fl. 0.3s, ec. 11.9s	177 54	17	Round tower, white with red bands, two galleries, on dwelling; 128.	Visible 213°36'-040°18'.
23832 <i>D 2830</i>	-Punta Rasca.	28° 00.0' N 16° 41.6' W	Fl.(3)W. period 12s	167 51	17	Round white tower with red bands; 105.	
23836 <i>D 2831</i>	-Puerto de los Cristianos, breakwater, head.	28° 02.7' N 16° 42.9' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	43 13	5	Round tower, red conical top and base; 20.	

All lights under Spanish control are lighted a quarter of an hour after sunset and extinguished a quarter of an hour before sunrise, except as noted under "Remarks."

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ISLAS CANARIAS (CANARY ISLANDS) (S.)							
23838 <i>D 2831.8</i>	-Punta de Buenavista.	28° 23.5' N 16° 50.2' W	Fl.(4)W. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	249 76	20	White square tower; 131.	
23840 <i>D 2832</i>	-Punta de Teno.	28° 20.5' N 16° 54.8' W	Fl.(1+2)W. period 20s fl. 0.3s, ec. 8.3s fl. 0.3s, ec. 2.5s fl. 0.3s, ec. 8.3s	196 60	18	White round tower, red bands, 2 galleries; 65.	
23842 <i>D 2833</i>	-Puerto de la Cruz.	28° 25.0' N 16° 33.2' W	Fl.(2)W. period 7s	102 31	16	Square tower; 89.	
23844 <i>D 2834</i>	--N. mole, head.	28° 25.2' N 16° 33.0' W	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 8	4	Green column; 10.	
23848 <i>D 2835</i>	--S. mole, head.	28° 25.1' N 16° 33.0' W	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	3	Red column; 10.	
23852 <i>D 2820</i>	-Punta de Anaga.	28° 34.8' N 16° 08.3' W	Fl.(2+4)W. period 30s fl. 0.4s, ec. 2.5s fl. 0.4s, ec. 8.8s fl. 0.4s, ec. 2.5s fl. 0.4s, ec. 2.5s fl. 0.4s, ec. 2.5s fl. 0.4s, ec. 8.8s	810 247	21	Gray conical tower, white lantern; 39.	
23854 <i>D 2818</i>	-Punta del Hidalgo.	28° 34.6' N 16° 19.3' W	Fl.(3)W. period 16s fl. 1.5s, ec. 2s fl. 1.5s, ec. 2s fl. 1.5s, ec. 7.5s	171 52	16	Masonry tower; 164.	
23856 <i>D 2821</i>	-Los Rodeos, AVIATION LIGHT.	28° 29.3' N 16° 18.4' W	Fl.W. period 5s	2136 651	37	Iron tower; 46.	Shown from sunset to sunrise.
-Santa Cruz de Tenerife:							
23859 <i>D 2822.8</i>	--Digue del Este, head.	28° 29.0' N 16° 13.7' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	43 13	9	Green conical tower; 20.	
23860 <i>D 2822.6</i>	---First elbow.	28° 29.3' N 16° 13.2' W	Q.(6)+L.Fl.W. period 15s	36 11	5	S. CARDINAL YB, post, topmark; 10.	
23864 <i>D 2822.7</i>	---Second elbow.	28° 29.0' N 16° 13.5' W	Q.(6)+L.Fl.W. period 15s	36 11	5	S. CARDINAL YB, tower, topmark; 10.	
23868 <i>D 2822</i>	--Muelle- Dique de Sur, head.	28° 28.7' N 16° 14.1' W	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	62 19	10	Red round tower, truncated conical top; 16.	
23872 <i>D 2822.4</i>	--N. mole, head.	28° 28.5' N 16° 14.4' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	20 6	1	Green truncated pyramidal tower; 7.	
23873 <i>D 2822.45</i>	--Darsena de Anaga, NE. corner.	28° 28.3' N 16° 14.6' W	Fl.(4)Y. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	1	SPECIAL Y, truncated pyramidal tower, topmark; 13.	Synchronized with 23874.

All lights under Spanish control are lighted a quarter of an hour after sunset and extinguished a quarter of an hour before sunrise, except as noted under "Remarks."

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ISLAS CANARIAS (CANARY ISLANDS) (S.)							
23874 <i>D 2822.46</i>	---NW. corner.	28° 28.3' N 16° 14.7' W	Fl.(4)Y. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	1	SPECIAL Y, truncated pyramidal tower, topmark; 13.	Synchronized with 23873.
23876 <i>D 2826</i>	--Darsena Pesquera, Dique de Abrigo, on angle, head.	28° 29.6' N 16° 12.7' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	36 11	3	Green round tower; 16.	
23880 <i>D 2826.2</i>	---At 95 meters 332°24' (in water).	28° 29.6' N 16° 12.7' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	16 5	1	Round green metal column.	
23884 <i>D 2826.4</i>	---At 201 meters 343° (in water).	28° 29.7' N 16° 12.7' W	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	16 5	1	Round red metal column.	
23886 <i>D 2826.5</i>	--Breakwater, head.	28° 29.5' N 16° 12.8' W	Fl.R. period 5s	43 13	3	Red cloumn; 20.	
23888 <i>D 2831.6</i>	--Dock, NE. head.	28° 14.8' N 16° 50.4' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	36 11	3	Red tripod, white base with red diagonal stripes; 16.	
23892 <i>D 2831.5</i>	-Santiago, SW. dock, head.	28° 15.0' N 16° 50.0' W	Fl.G. period 6s fl. 1.5s, ec. 4.5s	36 11	3	Green tripod; 10.	
23896	--Dock, SW.	28° 15.0' N 16° 50.0' W	Fl.W. period 1.6s		4		
23900 <i>D 2827.2</i>	-Puerto de la Hondura (Puerto Caballo), oil pier, E. angle.	28° 27.0' N 16° 16.0' W	Q.R.	28 9	3	Yellow post, black diagonal stripes; 7.	Lighted ranges are established for anchorage, lights are shown from group of dolphins close northeastward.
23904 <i>D 2827</i>	--W. angle.	28° 26.8' N 16° 15.8' W	Iso.G. period 3.4s	31 9	5	Metal green post; 20.	F.W. lights are shown from loading platform about 229 meters 058°. Lighted mooring buoy, Q.Y., about 78 meters 121°.
23908 <i>D 2826.86</i>	-Muelle de Ribera.	28° 27.4' N 16° 14.9' W	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 8	3	Red post.	
23909 <i>D 2826.78</i>	--Inside mole, head.	28° 27.6' N 16° 14.7' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	20 6	1	Green truncated pyramidal tower; 10.	
23910 <i>D 2826.9</i>	-Entrance Range, front.	28° 27.5' N 16° 14.9' W	Iso.W. period 1s	26 8	3	White framework tower, red bands; 16.	
23910.5 <i>D 2826.91</i>	--Rear, 71 meters 002° from front.	28° 27.6' N 16° 14.9' W	Q.W.	43 13	3	White framework tower, red bands; 33.	
23911 <i>D 2826.87</i>	-Ro Ro Terminal.	28° 27.5' N 16° 14.9' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	20 6	1	Red truncated pyramidal tower; 7.	
23912 <i>D 2826.72</i>	-Dique de los Llanos, E. extremity.	28° 27.3' N 16° 14.8' W	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	43 13	9	Round green tower; 20.	

All lights under Spanish control are lighted a quarter of an hour after sunset and extinguished a quarter of an hour before sunrise, except as noted under "Remarks."

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ISLAS CANARIAS (CANARY ISLANDS) (S.)							
23913 <i>D 2826.74</i>	--W. extremity.	28° 27.4' N 16° 14.8' W	Fl.(4)G. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	20 6	3	Green metal post; 7.	
23916 <i>D 2826.7</i>	--Elbow.	28° 27.9' N 16° 14.4' W	Q.(3)W. period 10s	29 9	5	E. CARDINAL BYB, post, topmark.	
23917 <i>D 2826.82</i>	--W. breakwater, head.	28° 27.2' N 16° 14.8' W	Fl.(3)R. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	26 8	9	Red post.	Q.(6).+L.Fl.W. 15s 15m 3M light 600 meters SW.
23918 <i>D 2827.9</i>	-Puerto Radazul, breakwater, head.	28° 23.9' N 16° 19.3' W	Fl.(2)G. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 10	5	Green post; 20.	
23920 <i>D 2827.94</i>	-Puerto de Candelaria, jetty, head.	28° 21.4' N 16° 22.1' W	Fl.(4)G. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	29 9	5	Round green column; 10.	
23924 <i>D 2827.98</i>	--Contradique.	28° 21.4' N 16° 22.1' W	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	3	Round red column; 10.	
ISLA DE GRAN CANARIA:							
23928 <i>D 2816</i>	-Punta Sardinia, NW.	28° 09.8' N 15° 42.4' W	Fl.(4)W. period 20s fl. 0.3s, ec. 3s fl. 0.3s, ec. 3s fl. 0.3s, ec. 3s fl. 0.3s, ec. 9.8s	157 48	20	White round tower, red bands; 79.	
23932 <i>D 2798</i>	-La Isleta.	28° 10.4' N 15° 25.0' W	Fl.(1+3)W. period 20s fl. 0.3s, ec. 2.5s fl. 0.3s, ec. 2.5s fl. 0.3s, ec. 6.9s fl. 0.3s, ec. 6.9s	817 249	21	White conical tower, yellow band, dwelling; 32.	Aeromarine light.
23934 <i>D 2799.2</i>	-El Roque del Palo.	28° 09.9' N 15° 24.0' W	Q.(3)W. period 10s	39 12	6	Black post, yellow band, concrete base; 20.	
23936 <i>D 2799</i>	-Radio Atlantico, AVIATION LIGHT.	28° 01.0' N 15° 35.1' W	Oc.R. period 3s lt. 2s, ec. 1s	5266 1605	40	Radio mast; 180.	
23938 <i>D 2799.4</i>	-Puerto de la Luz, breakwater, head.	28° 07.5' N 15° 24.3' W	Fl.G. period 5s fl. 0.3s, ec. 4.7s	66 20	10	Green and white tower; 26.	
23939 <i>D 2799.5</i>	--First elbow.	28° 07.8' N 15° 24.3' W	Q.(3)W. period 5s	43 13	8	Black post, yellow band; 3.	Visible 150°-360°.
23940 <i>D 2799.6</i>	--Second elbow.	28° 07.8' N 15° 24.3' W	Q.(2)G. period 6s	26 8	4	Green round tower; 13.	Visible 335°30'-181°30'.
23942 <i>D 2799.66</i>	--Entrance Range, front.	28° 09.3' N 15° 24.6' W	Iso.W. period 4s	49 15	6	Post; 3.	
23942.1 <i>D 2799.67</i>	---Rear, 609 meters 000° from front.	28° 09.6' N 15° 24.6' W	Oc.W. period 6s lt. 4s, ec. 2s	102 31	6	Post; 33.	

All lights under Spanish control are lighted a quarter of an hour after sunset and extinguished a quarter of an hour before sunrise, except as noted under "Remarks."

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ISLAS CANARIAS (CANARY ISLANDS) (S.)							
23944 <i>D 2802</i>	--Wharf, head.	28° 08.1' N 15° 25.5' W	Fl.(2+1)G. period 14.5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s fl. 0.5s, ec. 9s	20 6	1	Green and red tower; 10.	
23945 <i>D 2803.2</i>	---SW. corner of wharf.	28° 08.3' N 15° 25.3' W	Fl.G. period 3s fl. 0.4s, ec. 2.6s	26 8	2	Round green masonry tower; 20.	
23948 <i>D 2800.42</i>	--"EN2" mole, E. corner.	28° 08.6' N 15° 24.7' W	Q.(3)R. period 6s	23 7	3	Red post; 13.	
23953 <i>D 2803.3</i>	--Cory pier, W.	28° 08.7' N 15° 25.4' W	Q.G.	30 9	3	Metal post; 13.	
23954 <i>D 2803.35</i>	---E.	28° 08.7' N 15° 25.4' W	Q.R.	30 9	3	Metal post; 13.	
23956 <i>D 2801.2</i>	-Puerto de la Luz, (Dique del Generalissimo Franco), W. breakwater, head.	28° 07.6' N 15° 25.0' W	Fl.(3)G. period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	66 20	7	White octagonal stone tower with brown bands; 29.	Visible 291°-182°. Fl.(2)G. 7s 5M light 420 meters N.
23960 <i>D 2799.7</i>	--Contradique, interior, head.	28° 08.3' N 15° 24.6' W	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	29 9	4	Red round masonry tower; 19.	Fl.(2)R. 7s 3M light 700 meters E.
23964 <i>D 2800.2</i>	---Outer, head.	28° 07.9' N 15° 24.7' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	26 8	5	Red round tower; 13.	
23968 <i>D 2801</i>	--E. Basin Range, front.	28° 08.7' N 15° 25.0' W	Iso.W. period 4s	72 22	4	White column on building; 62.	Difficult to distinguish by day.
23972 <i>D 2801.1</i>	---Rear, 74 meters 001° from front.	28° 08.9' N 15° 25.1' W	Oc.(2)W. period 7s lt. 3s, ec. 1s lt. 2s, ec. 1s	79 24	4	White column on building; 69.	Difficult to distinguish by day.
23976 <i>D 2804</i>	--Muelle de Santa Catalina, head.	28° 08.4' N 15° 25.3' W	Fl.(4)R. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 5s	36 11	2	Truncated conical masonry tower; 20.	F.R. 1M shown from N. and S. ends of Muelle de Arsenal.
23980 <i>D 2806</i>	--Muelle de transbordadores, SE. head.	28° 08.3' N 15° 25.2' W	Fl.(2+1)R. period 12.5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 5s fl. 0.5s, ec. 5s	26 8	3	Red post, green band; 20.	
23984 <i>D 2807</i>	---SW. head.	28° 08.3' N 15° 25.3' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	26 8	3	Green post; 20.	
23988 <i>D 2807.37</i>	--Small craft basin, E. breakwater, head.	28° 07.7' N 15° 25.4' W	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Red round tower; 16.	Fl.(2)R. 8s 7m 3M shown from root of breakwater.
23989 <i>D 2807.36</i>	---W. breakwater, head.	28° 07.7' N 15° 25.4' W	Fl.(2+1)R. period 15s fl. 1s, ec. 2s fl. 1s, ec. 5s fl. 1s, ec. 5s	33 10	3	Red post, green bands; 20.	
23989.5 <i>D 2807.35</i>	---W. breakwater, elbow.	28° 07.8' N 15° 25.5' W	Fl.(3) W. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	16 5	3	E. CARDINAL BYB, post, topmark; 13.	

All lights under Spanish control are lighted a quarter of an hour after sunset and extinguished a quarter of an hour before sunrise, except as noted under "Remarks."

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ISLAS CANARIAS (CANARY ISLANDS) (S.)							
23990 <i>D 2807.5</i>	-Punta Melenara.	27° 59.4' N 15° 21.9' W	Fl.(2)W.R. period 12s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 8.5s	108 33	12	White round tower; 56.	W. 270°-152°, R.-270°.
23996 <i>D 2809</i>	--Bahia de Melenara anchorage range N-S.	27° 58.5' N 15° 22.5' W	Dir.F.W.R.G.	33 10	1	Mast; 23.	G. 330°-358°, W.-002°, R.-030°. Two Oc.W. lights spaced 50 meters apart, in N./S. direction establish a range with above light. Occasional.
24000 <i>D 2809.4</i>	--Punta de la Hullera anchorage range E-W.	27° 58.4' N 15° 22.8' W	Dir.Iso.W.R.G. period 2s	30 9	1	Metal mast; 23.	G. 240°-268°, W.-272°, R.-300°. Two Oc.W. lights spaced 32 meters apart in E./W. direction establish a range with above light..
24008 <i>D 2812</i>	-Punta Arinaga.	27° 51.2' N 15° 23.0' W	Fl.(3)W.R. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	154 47	W. 12 R. 9	White round tower, red bands; 46.	W. 052°-172°, R.-212°, W.-012°, R.-052°. 8 Oc.R. 5s lights (quadrangle) are shown from summit of Monte Arinaga, about 1.1 km. 306°.
24012 <i>D 2814</i>	-Maspalomas.	27° 44.0' N 15° 35.0' W	Fl.(1+2)W. period 13s fl. 1s, ec. 4s fl. 1s, ec. 2s fl. 1s, ec. 4s	197 60	19	Bluish gray conical tower, white lantern; 184.	
24014 <i>D 2815</i>	-Pasito Blanco, dike, head.	27° 45.0' N 15° 37.0' W	F.R.	30 9	3	Red metal post.	
24014.2 <i>D 2815.2</i>	--Spur.	27° 44.7' N 15° 37.2' W	Q.(2)R. period 4s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 2.5s	13 4	3	Red metal post; 10.	
24014.4 <i>D 2815.22</i>	--End of slipway jetty.	27° 44.7' N 15° 37.2' W	Fl.G. period 3s fl. 0.5s, ec. 2.5s	13 4	3	Green metal post; 10.	
24016 <i>D 2815.4</i>	-Puerto Cementero, Dique Rompeolas, head.	27° 45.0' N 15° 40.3' W	Q.(2)R. period 6s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 4.5s	39 12	6	Round post, red and white bands; 16.	
24020 <i>D 2815.45</i>	--Mulle No. "2".	27° 44.9' N 15° 40.2' W	Fl.(4)G. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 3s	33 10	4	Metal platform; 13.	
24022 <i>D 2815.7</i>	-Puerto Rico, end of W. dike.	27° 46.8' N 15° 42.6' W	Q.(2)R. period 4s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 2.5s	36 11	4	Red round masonry tower; 13.	
24022.2 <i>D 2815.6</i>	---Breakwater.	27° 46.8' N 15° 42.5' W	F.G.	36 11	4	Green column; 10.	
24022.4 <i>D 2815.82</i>	--Puerto de Escala, W. dike.	27° 46.9' N 15° 42.7' W	F.R.	36 11	5	Red round masonry tower; 13.	
24022.6 <i>D 2815.8</i>	---End of protection jetty.	27° 46.9' N 15° 42.7' W	Fl.G. period 3s fl. 0.4s, ec. 2.6s	20 6	4	Green round masonry tower; 13.	
24023 <i>D 2815.96</i>	-Puerto de Mogan, S. dique, head.	27° 48.9' N 15° 45.7' W	Fl.(3)R. period 8.5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 5s	43 13	3	Trapezoidal tower, red and white bands; 20.	

All lights under Spanish control are lighted a quarter of an hour after sunset and extinguished a quarter of an hour before sunrise, except as noted under "Remarks."

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ISLAS CANARIAS (CANARY ISLANDS) (S.)							
24023.5 <i>D 2815.98</i>	--Muelle No. "2", head.	27° 48.9' N 15° 45.7' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1s fl. 0.5s, ec. 5s	10 3	4	Trapezoidal tower, green and white bands; 7.	
24023.7 <i>D 2815.94</i>	-Punta del Castillete.	27° 49.1' N 15° 46.0' W	Fl.W. period 5s fl. 1s, ec. 4s	374 114	17	Square tower.	
ISLA DE FUERTEVENTURA:							
24024 <i>D 2790</i>	-Punta Jandia.	28° 03.0' N 14° 31.0' W	Fl.W. period 4s fl. 0.5s, ec. 3.5s	108 33	22	Gray conical tower, dwelling; 62.	Visible 276°-190°.
24026 <i>D 2791</i>	-Punta Pesebre.	28° 06.5' N 14° 29.4' W	Oc.(2)W. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	36 11	10	White and gray tower; 16.	
24027 <i>D 2796.5</i>	-Puerto de Morro Jable.	28° 02.7' N 14° 19.7' W	Fl.(2)W. period 10s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 7.7s	203 62	20	White round tower; 194.	
24028	-Muelle extremity.	28° 12.0' N 14° 01.0' W	Fl.R. period 3s fl. 0.3s, ec. 2.7s	29 9	3	Red metallic tower; 19.	
24032 <i>D 2795</i>	-Punta Lantailla.	28° 13.0' N 13° 56.0' W	Fl.(2+1)W. period 18s fl. 0.4s, ec. 1.2s fl. 0.4s, ec. 7.8s fl. 0.4s, ec. 7.8s	643 196	21	Tower on building; 39.	Aeromarine light.
24033 <i>D 2796.1</i>	-Punto Gran Tarajal, W. side.	28° 12.4' N 14° 01.5' W	Fl.(3)R. period 7s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3.5s	30 9	5	Red tower; 23.	
24033.5 <i>D 2796</i>	--E. side.	28° 12.4' N 14° 01.4' W	Fl.(3)G. period 7s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3.5s	30 9	5	Green tower; 23.	
24034 <i>D 2793.5</i>	-Punta Gaviota.	28° 30.2' N 13° 50.5' W	Fl.W. period 5s fl. 0.5s, ec. 4.5s	157 48	20	White round tower; 141.	Reserve light 9M.
24036 <i>D 2794</i>	-Puerto del Rosario, pier, head.	28° 29.5' N 13° 51.2' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	46 14	5	Green round column; 33.	
24037 <i>D 2794.2</i>	--Contradique, head.	28° 29.7' N 13° 51.5' W	Fl.(2)R. period 7s fl. 0.5s, ec. 1s fl. 0.5s, ec. 5s	23 7	1	Red round masonry tower; 13.	
24040 <i>D 2792</i>	-Toston, on Punta del Toston, NW. side of island.	28° 42.8' N 14° 00.8' W	Fl.W. period 8s fl. 1s, ec. 7s	115 35	14	White tower, red bands; 98.	
24042 <i>D 2793</i>	Puerto de Corralejo.	28° 44.4' N 13° 51.6' W	Fl.G. period 3s fl. 0.3s, ec. 2.7s	30 9	4	Green round tower; 16.	
24044 <i>D 2786</i>	Isla de Lobos, Punta Martino, Isla de Fuerteventura, NE. side.	28° 46.0' N 13° 48.8' W	Fl.(2)W. period 15s fl. 1s, ec. 3s fl. 1s, ec. 10s	95 29	14	Yellow conical tower, white octagonal lantern; 21.	Visible 083°-353°.

All lights under Spanish control are lighted a quarter of an hour after sunset and extinguished a quarter of an hour before sunrise, except as noted under "Remarks."

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ISLAS CANARIAS (CANARY ISLANDS) (S.)							
ISLA DE LANZAROTE:							
24048 <i>D 2782</i>	-Punta Pechiguera.	28° 51.2' N 13° 52.2' W	Fl.(3)W. period 30s fl. 0.2s, ec. 3.5s fl. 0.2s, ec. 3.5s fl. 0.2s, ec. 22.4s	180 55	17	White round tower; 164.	
24049 <i>D 2781.5</i>	-Marina Rubicon, mole, head.	28° 51.4' N 13° 49.1' W	Fl.(4)G. period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 8.5s	13 4	5	Green metal tower.	
24050 <i>D 2781</i>	-Puerto Calero, S. mole, head.	28° 54.9' N 13° 42.3' W	Fl.(3)G. period 14s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 7s	33 10	6	Gray octagonal tower; 13.	Fl.(4)R. 11s 5M marks N. mole head.
24052 <i>D 2780</i>	-Puerto de Arrecife.	28° 57.1' N 13° 33.0' W	Q.(6)+L.Fl.W. period 15s	33 10	3	S. CARDINAL YB, tower, topmark; 20.	
24053 <i>D 2777</i>	-Puerto de Naos, mole, head.	28° 58.0' N 13° 31.9' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	36 11	3	Red round tower; 13.	
24053.2 <i>D 2778</i>	--Muelle Pesquero, NE. end.	28° 58.0' N 13° 32.1' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1s fl. 0.5s, ec. 5s	30 9	1	Green round tower; 13.	
24053.4 <i>D 2778.2</i>	--Arrecife de la Raya.	28° 58.0' N 13° 32.1' W	Fl.(3)G. period 9s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 5.5s	30 9	1	Green round tower; 13.	
24053.6 <i>D 2778.4</i>	---S. end.	28° 57.8' N 13° 32.3' W	Fl.(4)G. period 11s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6s	30 9	1	Green round tower; 13.	
24053.8 <i>D 2778.6</i>	--Muelle de Reparacianes, N. corner.	28° 57.7' N 13° 32.2' W	Fl.(3)R. period 9s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 5.5s	30 9	1	Red round tower; 13.	
24056 <i>D 2775</i>	-Puerto de Los Marmoles, Punta Chica, pier, head.	28° 57.8' N 13° 31.6' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	43 13	5	Green round tower; 10.	
24064	--NE. elbow.	0° 00.0' 0° 00.0'	Iso.R. period 7s	16 5	4	Red and white banded structure; 10.	
24076 <i>D 2772</i>	Isla de Aleganza, Punta Delgada.	29° 24.0' N 13° 29.0' W	Fl.W. period 3s fl. 0.3s, ec. 2.7s	56 17	12	Dark gray conical tower, white lantern; 49.	Visible 135°-045°.

All lights under Spanish control are lighted a quarter of an hour after sunset and extinguished a quarter of an hour before sunrise, except as noted under "Remarks."

ARQUIPELAGO DE CABO VERDE (CAPE VERDE ISLANDS)

ILHA DE SANTO ANTAO:

24080 <i>D 2950</i>	-Ponta de Tumbo.	17° 07.0' N 24° 58.0' W	Fl.(4)W. period 20s	531 162	17	White octagonal masonry tower, dwelling; 52.	Visible 141°-321°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ARQUIPELAGO DE CABO VERDE (CAPE VERDE ISLANDS)							
24084 <i>D 2956</i>	Porto Navo, N. pier, head.	17° 00.9' N 25° 03.6' W	Iso.G. period 4s	43 13	6	Metal mast; 20.	
24088 <i>D 2952</i>	-Ponta do Sol, N. point of island.	17° 12.1' N 25° 05.6' W	Fl.W. period 4s	49 15	9	Metal mast with lantern; 33.	
24092 <i>D 2954</i>	-Ponta de Mangrade (Ponta Oeste).	17° 03.4' N 25° 21.8' W	Fl.(2)W. period 10s	367 112	13	White column, red lantern; 10.	Visible 005°-200°.
ILHA DE SAO VICENTE:							
24096 <i>D 2946</i>	-Ponta Machado.	16° 50.0' N 25° 05.0' W	Fl.W. period 5s fl. 0.2s, ec. 4.8s	184 56	17	White square masonry tower, dwelling; 46.	Visible 302°-172°.
24100 <i>D 2942</i>	-Ilheu do Passaros (D. Luiz), Porto Grande, entrance.	16° 54.6' N 25° 00.7' W	Fl.(3)W. period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	282 86	14	White truncated hexagonal pyramid, red lantern; 16.	Obscured 258°-057° and 091°-196°. Signal station.
24104 <i>D 2943</i>	-Cabnave.	16° 53.9' N 25° 00.3' W	Fl.R. period 2s	26 8	8	Metal mast, square balcony; 13.	
24108 <i>D 2944</i>	--"Molhe 2", head.	16° 53.0' N 25° 00.0' W	Fl.R. period 4s	33 10	6	Round column with gallery; 26.	
24112 <i>D 2944.2</i>	--"Molhe 1", head.	16° 53.3' N 24° 59.9' W	Fl.G. period 3s fl. 1s, ec. 2s	33 10	5	Round column with gallery; 26.	
-Porto Grande:							
24116 <i>D 2943.4</i>	--Gale Range, front.	16° 52.4' N 25° 00.7' W	F.G.	42 13	5		Occasional.
24120 <i>D 2943.41</i>	--Rear, 980 meters 147° from front.	16° 52.0' N 25° 00.0' W	F.G.	62 19	5		Occasional.
24124 <i>D 2943.6</i>	--Comando Naval Range, front.	16° 53.3' N 24° 59.8' W	F.R.	65 20	5		Occasional.
24128 <i>D 2943.61</i>	--Rear, 530 meters 075°36' from front.	16° 53.3' N 24° 59.5' W	F.R.	89 27	5		Occasional.
ILHA DE SAO NICOLAU:							
24132 <i>D 2934</i>	-Ponta do Barril.	16° 36.2' N 24° 25.7' W	Fl.(3)W. period 12s	43 13	15	White quadrangular tower near dwelling; 30.	
24136 <i>D 2936</i>	-Preguica (Porto Velho).	16° 33.7' N 24° 17.1' W	Fl.(2+1)R. period 15s	82 25	5	White hut; 23.	Visible 285°-016°.
24144 <i>D 2930</i>	-Ponta Calheta.	16° 34.0' N 24° 00.0' W	Fl.(4)W. period 10s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 5.2s	239 73	11	White column, red lantern; 14.	Visible 140°-030°.
ILHA DO SAL:							
24148 <i>D 2921</i>	-Baia da Palmeira Range, front.	16° 45.0' N 22° 59.0' W	Fl.W. period 3.5s fl. 1s, ec. 2.5s	30 9	5	Red post; 23.	Marks oil pipeline.
24152 <i>D 2921.1</i>	--Rear, 95 meters 044° from front.	16° 45.0' N 22° 59.0' W	Fl.W. period 3.5s fl. 1s, ec. 2s	49 15	3	Red post; 36.	
24156 <i>D 2920</i>	-Casa Valente Range, front.	16° 45.0' N 22° 59.0' W	F.R.	27 8	5		Shown on request of tankers anchoring at night.
24160 <i>D 2920.1</i>	--Rear, 435 meters 064° from front.	16° 45.2' N 22° 58.5' W	F.R.	43 13	5		

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ARQUIPELAGO DE CABO VERDE (CAPE VERDE ISLANDS)							
24164 <i>D 2922</i>	-Ponta do Sino, 300 meters within extremity.	16° 35.0' N 22° 55.0' W	Fl.(2+1)W. period 15s	35 11	8	Gray square tower; 30.	Visible 300°-142°.
24168 <i>D 2922.5</i>	-Ponta da Vera Cruz, Porto de Santa Maria.	16° 36.0' N 22° 54.0' W	F.R.	17 5	3	White framework tower; 13.	Visible 300°-049°.
24172 <i>D 2925</i>	-Monte Curral AVIATION LIGHT , N. of Runway.	16° 44.0' N 22° 57.0' W	Al.Fl.W.G. period 7.5s	272 83	26		Range lights are shown in Porto Pedro de Luna. Occasional. Aero Radiobeacon about 2 miles S.
24176 <i>D 2923</i>	-Porto da Pedra de Lume Range, front.	16° 46.0' N 22° 54.0' W	F.R.	29 9	1	Black chimney, white bands; 23.	Occasional. Private light.
24180 <i>D 2923.1</i>	--Rear, 115 meters 349° from front.	16° 45.8' N 22° 53.9' W	F.R.	42 13	1	White chapel, black bands on E. side; 26.	Occasional. Private light.
24184 <i>D 2923.2</i>	-Range, front.	16° 45.5' N 22° 54.1' W	F.G.	46 14	2	Truncated pyramid; 10.	Occasional. Private light.
24188 <i>D 2923.3</i>	--Rear, 215 meters 306° from front.	16° 45.6' N 22° 54.2' W	2 F.W. (vert)	69 21	2	Framework tower on house; 23.	Occasional. Private light.
ILHA DA BOA VISTA:							
24192 <i>D 2918</i>	-Velho, on Ponta da Escuma.	16° 10.3' N 22° 56.0' W	Fl.(5)W.R. period 20s	92 28	11	Metal mast with lantern; 26.	W. 220°-355°, R.-220°.
24193 <i>D 2919</i>	--Ponte Cais.	16° 10.4' N 22° 57.2' W	Fl.(3)R. period 12s	26 8	5	Red tower; 20.	
24196 <i>D 2914</i>	-Morro Negro.	16° 06.1' N 22° 40.9' W	Fl.W. period 20s	535 163	31	Small white quadrangular concrete tower on dwelling; 39.	Visible 163°-035°.
24197 <i>D 2916</i>	-Ponte Varandinha.	16° 02.6' N 22° 58.2' W	Fl.(2)W. period 6s	72 22	10	Structure with lantern; 23.	Visible 310°-194°. Radar reflector.
	-RACON		V(• • • -) period 30s		24		
24198 <i>D 2919.5</i>	Ponta do Sol.	16° 13.7' N 22° 55.1' W	Fl.(4)W. period 15s	384 117	12	Metal tower; 23.	Visible 017°-272°.
ILHA DE MAIO:							
24200 <i>D 2872</i>	-Forte de S. Jose, Porto do Maio.	15° 08.0' N 23° 13.0' W	Fl.(3)R. period 12s	72 22	9	Wooden platform, on top of fort tower.	Visible 349°-090°.
24201 <i>D 2875.5</i>	-Ponta dos Flamengos.	15° 10.7' N 23° 05.3' W	Fl.(3)W. period 12s	39 12	10	Metal tower; 16.	Visible 038°-292°.
24202 <i>D 2874</i>	-Ponta Cais.	15° 20.0' N 23° 11.0' W	Fl.W. period 7s fl. 0.3s, ec. 6.7s	46 14	10	Metal tower with lantern; 23.	Visible 038°-292°. Radar reflector.
	-RACON		M(- -)				
ILHA DE SAO TIAGO:							
24204 <i>D 2876</i>	-Maria Pia Ponta Temerosa , SE. side.	14° 54.0' N 23° 31.0' W	Fl.(2)W. period 6s	82 25	15	White octagonal masonry tower; 69.	Visible 258°-095°.
24208 <i>D 2881</i>	-Cais Novo, breakwater, head.	14° 54.3' N 23° 30.6' W	Iso.G. period 4s	33 10	5	Column; 16.	
24220 <i>D 2882</i>	Ponta do Lobo, island, near E. extremity.	14° 59.0' N 23° 26.0' W	Fl.(4)W. period 15s	56 17	6	Trapezoidal tower near dwelling; 30.	Visible 190°-335°.
24222	Mosquito.	14° 56.9' N 23° 41.8' W	Fl.(2)W.R.G. period 6s	43 13	8	Gray tower; 23.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ARQUIPELAGO DE CABO VERDE (CAPE VERDE ISLANDS)							
PONTA DO LOBO:							
24224 D 2888	-Ponta Moreia, N. end of island.	15° 20.1' N 23° 45.2' W	Fl.(5)W. period 20s	318 97	10	White iron quadrangular hut, red lantern; 13.	Visible 055°-275°.
24228 D 2890	-Ponta Preta, Baía do Tarrafal, entrance, NW. side.	15° 17.0' N 23° 47.0' W	Fl.(3)W. period 12s	112 34	8	White hut, support, masonry base; 20.	F.R. 2M shown from Tarrafal Pier head.
24232 D 2884	-Ribeira de Barca.	15° 07.0' N 23° 46.0' W	Fl.(3)W.R.G. period 12s	19 6	5	Red iron structure; 10.	Visible 080°-121°.
ILHA BRAVA:							
24236 D 2908	-Ponta Jalunga, Porto da Furna, entrance.	14° 53.0' N 24° 41.0' W	Fl.(2+1)W. period 15s	77 23	5	Gray lantern on white masonry column; 26.	Visible 187°-007°. F.R. shown at Furna.
24240 D 2910	-Ponta Nho Martinho.	14° 48.0' N 24° 43.0' W	Fl.(4)W. period 15s	95 29	9	White square tower, red lantern; 13.	Visible 237°-106°30'.
ILHA DO FOGO:							
24244 D 2901	-Mosteiros.	15° 02.0' N 24° 20.0' W	Fl.(3)W.R. period 12s	36 11	5	Column, on quadrangular white truncated pyramid; 10.	
24252 D 2900	-Fortim Carlota, Puerto de Sao Felipe.	14° 54.0' N 24° 31.0' W	Fl.(5)R. period 20s	119 36	8	Red iron post on wall of fort; 13.	
24256 D 2898	-Ponta do Alcatraz.	14° 50.0' N 24° 19.0' W	Fl.W. period 4s fl. 0.5s, ec. 4.5s	443 135	10	Column, red lantern; 10	Visible 225°-045°.
24260 D 2904	Ilheu de Cima.	14° 57.0' N 24° 38.0' W	Fl.(3)W. period 12s	262 80	9	White quadrangular hut, white lantern; 13.	Obscured 252°-304° and 010°-047°.

Section 17

West Coast of Africa and Islands of The Eastern North Atlantic

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
WESTERN SAHARA							
24264 D 2621	El Aaiun AVIATION LIGHT.	27° 10.0' N 13° 13.0' W	Al.FI.W.G. period 12s				
EL AAIUN ANCHORAGE:							
24268 D 2622	-Jetty, head.	27° 05.7' N 13° 26.2' W	Fl.W.				
24276 D 2623	-Ore loader, on silo.	27° 04.0' N 13° 28.0' W	Fl.W. period 5s fl. 1s, ec. 4s	151 46	18	Silo.	Nautophone.
24280 D 2623.2	--At T-head.	27° 04.0' N 13° 28.0' W	F.W.			Middle of platform.	F.Or. lights mark length of pier.
			F.G.	59 18	3	North extremity of pier, green and white banded pole.	
			F.R.	59 18	3	South extremity of pier, red and white banded pole.	
24288 D 2626	El Cabino.	26° 26.0' N 14° 11.0' W	Fl.(3)W. period 12s fl. 0.4s, ec. 2.6s fl. 0.4s, ec. 2.6s fl. 0.4s, ec. 5.6s	118 36	9	Black and white tower; 105.	
24292 D 2628	Cabo Bojador.	26° 07.0' N 14° 29.0' W	Fl.(3)W. period 15s	233 71	24	Tower, black stripe; 148.	Aeromarine light.
24296 D 2628.2	-W. extremity.	26° 07.0' N 14° 30.0' W	Fl.R. period 5s fl. 1s, ec. 4s	30 9	5	Triangular stone pyramid; 20.	
24300 D 2630	Punta del Corral.	25° 35.0' N 14° 41.0' W	Fl.(2)W. period 9s fl. 0.4s, ec. 2.6s fl. 0.4s, ec. 5.6s	233 71	9	Black and white tower; 36.	
24304 D 2631	Pena Grande.	25° 06.0' N 14° 50.0' W	Fl.(4)W. period 15s fl. 0.4s, ec. 2.6s fl. 0.4s, ec. 2.6s fl. 0.4s, ec. 2.6s fl. 0.4s, ec. 5.6s	568 173	9	Black and white tower; 36.	
RIO DE ORO PENINSULA:							
24308 D 2972	-Arcipres Grande.	23° 43.0' N 15° 57.0' W	Fl.W. period 5s fl. 0.4s, ec. 4.6s	249 76	20	Round tower, black and white bands; 164.	
24312 D 2974.2	-Villa Cisneros, Muelle Transversal No. "3", head.	23° 41.8' N 15° 55.2' W	Fl.(2)W. period 10s	26 8	8	Gray truncated conical tower; 16.	
24314 D 2973.5	-New Port, breakwater, head.	23° 39.6' N 15° 56.7' W	Q.(3)W. period 10s	36 11	8	E. CARDINAL BYB, beacon, topmark.	
24316 D 2973	-Punta Galera, Punta Durnford, SE. point.	23° 38.0' N 16° 00.0' W	Fl.(2)W. period 6s	26 8	8	White square castellated tower; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
WESTERN SAHARA							
BAHIA DE ANGRA DE CINTRA:							
24320 <i>D 2975</i>	-(Puntilla Raimés), entrance, N. point.	23° 05.0' N 16° 12.0' W	Fl.(4)W. period 10s fl. 0.3s, ec. 1s fl. 0.3s, ec. 1s fl. 0.3s, ec. 1s fl. 0.3s, ec. 5.8s	46 14	8	Hexagonal masonry tower; 33.	
24324 <i>D 2975.2</i>	-Entrance Range, front.	23° 02.3' N 16° 06.5' W	Fl.W. period 5s fl. 0.3s, ec. 4.7s	39 12	8	Square masonry tower; 20.	
24328 <i>D 2975.3</i>	--Rear, 686 meters 090° from front.	23° 02.2' N 16° 05.9' W	Iso.W. period 4s	171 52	9	Square masonry tower; 20.	Visible on range line.
24332 <i>D 2975.6</i>	Cap Bardas.	22° 18.0' N 16° 41.0' W	Fl.(3)W. period 12s fl. 0.4s, ec. 2.6s fl. 0.4s, ec. 2.6s fl. 0.4s, ec. 5.6s	184 56	9	Black and white banded round tower; 131.	
24336 <i>D 2976</i>	Punta Guera, Peninsula de Cabo Blanco, S. extremity.	20° 50.0' N 17° 06.0' W	Fl.R. period 5s fl. 0.3s, ec. 4.7s	46 14	8	White quadrangular tower; 19.	Visible 267°-177°.
MAURITANIA							
24340 <i>D 2977</i>	Cap Blanc.	20° 46.0' N 17° 03.0' W	Fl.W. period 5s fl. 0.2s, ec. 4.8s	141 43	17	Octagonal tower, black and white bands; 66.	
BAIE DU LEVRIER:							
24344 <i>D 2977.5</i>	-Entrance Whistle "O".	20° 39.2' N 17° 04.5' W	L.Fl.W. period 7s fl. 3s, ec. 4s			SAFE WATER RW, pillar, topmark.	Whistle. Radar reflector.
-RACON B(- • • •)							
24348 <i>D 2978</i>	-Point Central, wharf.	20° 49.0' N 17° 02.0' W	F.R.				
24352 <i>D 2978.4</i>	-Wharf, N. extremity.	20° 50.0' N 17° 02.0' W	F.R.				F.Vi. on dolphins N. and S. of wharf.
24356 <i>D 2978.5</i>	--Wharf, S. extremity.	20° 50.0' N 17° 02.0' W	F.R.				
24360 <i>D 2979</i>	-Pointe de Cansado.	20° 51.0' N 17° 02.0' W	Q.W.R.	66 20	W. 11 R. 8	Red building.	R. 300°-358°, W.-300°.
24364 <i>D 2980</i>	-Nouadhibou, close to Pointe Chacal.	20° 54.0' N 17° 04.0' W	Iso.W.R.G. period 4s	66 20	W. 11 R. 8 G. 8	White octagonal tower with black stripes; 39.	G. 212°-286°, W.-292°, R.-360°, obsc.-212°.
24368 <i>D 2982</i>	--AVIATION LIGHT.	20° 55.0' N 17° 03.0' W	Fl.(2)W. period 15s fl. 0.3s, ec. 2s fl. 0.3s, ec. 12.4s	20 6		White blockhouse.	
24372 <i>D 2984</i>	Nouakchott, wharf, head.	18° 02.0' N 16° 02.0' W	Oc.W. period 4s lt. 3s, ec. 1s	49 15	12	White tower, black top; 33.	Aero Radiobeacon 4.3 miles NE.
24373 <i>D 2986</i>	Approach light.	17° 59.6' N 16° 01.0' W	Iso.W. period 10s	121 37	16	White tower, black bands, red top.	
24374 <i>D 2986.5</i>	-S. mole, head.	17° 59.2' N 16° 02.3' W	L.Fl.W. period 5s	49 15	5	White mast; 33.	2 Iso.Y. in line 085° mark entrance.
24376	-Approach buoy, 0.9 km. W. of light.	0° 00.0' 0° 00.0'	Oc.(2)R.			Beacon type red buoy, red can topmark.	Radar reflector.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SENEGAL							
24380 <i>D 2996</i>	Saint-Louis, Guet N'Dar.	16° 01.5' N 16° 30.7' W	Fl.(2)W. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	49 15	12	Pylon, painted white with red top; 46.	Horn: 2 bl. ev. 20s. Aero Radiobeacon 3.5 miles ENE.
24384 <i>D 2998</i>	St. Louis Grandiole, near pilot station.	15° 54.0' N 16° 31.0' W	Oc.(3)W. period 12s lt. 4.5s, ec. 1.5s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 1.5s	85 26	10	Tower, white and black bands.	The Senegal River is marked by several R. and G. lights.
PRESQU'ILE DU CAP VERT:							
24388 <i>D 3002</i>	-Chausse des Almadies, E. of Pte. da Almadies, reef.	14° 44.6' N 17° 32.6' W	Fl.(2)W. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	46 14	9	Tower, black and white bands; 56.	
24392 <i>D 3004</i>	-Cap Vert.	14° 43.4' N 17° 30.2' W	Fl.W. period 5s fl. 0.2s, ec. 4.8s	394 120	31	White tower and house; 52.	May be confused with Cap Manuel Light in hazy weather. Signal station. Aero Radiobeacon 1.5 miles ESE.
24396 <i>D 3008</i>	-Cap Manuel.	14° 39.0' N 17° 26.0' W	Fl.R. period 5s fl. 0.3s, ec. 4.7s	164 50	19	White square tower on dwelling, red pillars; 55.	Partially obscured by Iles de la Madeleine and de la Goree, respectively, 096°- 102° and 242°-246°30'.
24400 <i>D 3008.2</i>	--Close SE.	14° 39.0' N 17° 26.0' W	F.W.R.	157 48	W. 11 R. 8	Square white tower; 39.	R. 083°-128°, obs.-204°, R.- 254°, W.-083°. Partially obscured in same sectors as Cap Manuel Light.
DAKAR:							
24404 <i>D 3010</i>	-Ile de Goree, S. end.	14° 39.8' N 17° 23.9' W	Oc.(2)W.R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	69 21	W. 12 R. 8	White square tower, red top; 13.	W. 207°-062°, R.-087°.
24408 <i>D 3012</i>	-N. breakwater, head.	14° 40.7' N 17° 25.3' W	Iso.G. period 4s	30 9	8	White round tower, green top; 30.	
24412 <i>D 3013</i>	-Jetee du Sud, S. jetty, head.	14° 41.0' N 17° 25.0' W	Oc.(4)R. period 12s lt. 5s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s	36 11	8	White round tower, red top; 30.	F.R. on power station 1.2 miles NNW.
24440 <i>D 3018</i>	Rufisque, Baie de Goree, N. side.	14° 42.6' N 17° 17.0' W	Iso.G. period 2s	39 12	11	Black metal framework tower; 39.	F.R. lights on radio masts 2.7 miles N.
24444 <i>D 3019</i>	Joal.	14° 09.0' N 16° 50.0' W	Oc.W. period 4s lt. 3s, ec. 1s	46 14	11	Red and white banded pylon; 43.	
24448	Riviere Saloum, <i>Entrance Whistle Buoy.</i>	13° 50.0' N 16° 50.0' W	Fl.W. period 4s fl. 1s, ec. 3s			Buoy, red and white stripes.	Radar reflector.
THE GAMBIA							
24452 <i>D 3021</i>	Cape St. Mary.	13° 28.0' N 16° 42.0' W	Fl.(2)W. period 10s	140 43	15	Water tower.	
RACON		B(- • • •)					

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
THE GAMBIA							
24464 <i>D 3027</i>	Barra Point, NW. corner of fort.	13° 29.0' N 16° 34.0' W	Fl.(3)R. period 15s	59 18	10	Metal framework tower.	Visible 315°-215°. 3 F.R. on radio tower 4.6 km. SSW., 2 F.R. on radio masts 4.58 km. SW.
	RACON		Q(— — • —)				
24465 <i>D 3027.5</i>	Banjul Point.	13° 27.3' N 16° 34.4' W	Iso.W. period 8s	89 27	10	Metal framework tower.	Visible 125°-003°.
	RACON		B(— • • •)				
24468 <i>D 3030</i>	-Fort James Island.	13° 19.0' N 16° 22.0' W	Fl.W. period 14.5s	26 8		White steel framework structure; 21.	
SENEGAL							
24476 <i>D 3038</i>	-Pointe de Diogue.	12° 34.0' N 16° 45.0' W	Q.W.	69 21	8	Pylon with 2 rectangular daymarks, upper part black, lower part white; 60.	Signal station.
	RIO CACHEU:						
24484 <i>D 3042</i>	-Cabo Mata.	12° 10.0' N 16° 19.0' W	Fl.(3)W. period 15s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 10s	36 11	9	White round iron tower on two superimposed pyramids; 43.	
24492 <i>D 3044</i>	-Cacheu (Baluarte de San Fernando).	12° 17.0' N 16° 10.0' W	Fl.(2)W. period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	33 10	9	White round tower.	
	RIO GEBÁ:						
24500 <i>D 3050</i>	-Caio.	11° 50.2' N 16° 19.3' W	Fl.(2)W. period 10s fl. 0.7s, ec. 0.3s fl. 0.7s, ec. 8.3s	138 42	16	White round stone tower, black bands.	Reserve light 10M.
	-RACON.		B(— • • •) period 60s				
24504 <i>D 3052</i>	-Ilha de Jeta, SE. extremity.	11° 50.3' N 16° 13.9' W	Fl.W. period 5s fl. 1s, ec. 4s	30 9	9	White round masonry tower, square base.	
24506 <i>D 3053</i>	-Baixos de Rio Grande.	11° 38.2' N 16° 35.2' W	Fl.(3)W. period 15s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 10s	33 10	12	White metal column.	
24508 <i>D 3054</i>	-Ponta Arlete, N. side of channel.	11° 45.5' N 16° 05.5' W	Fl.(3)W. period 15s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 10s	43 13	9	White round masonry tower; 20.	
24512 <i>D 3056</i>	-Ponta Biombo, N. side of channel.	11° 44.0' N 15° 57.2' W	Fl.W. period 5s fl. 1s, ec. 4s	43 13	9	White square masonry tower; 42.	
24520 <i>D 3057</i>	-Ponta Bernafel.	11° 47.5' N 15° 39.2' W	Fl.(3)W. period 15s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 10s	26 8	9	White tower; 26.	
24524 <i>D 3058</i>	-Ilheu dos Passaros, near Canal do Geba.	11° 49.2' N 15° 35.5' W	Fl.W. period 5s fl. 1s, ec. 4s	56 17	9	White square masonry tower; 42.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SENEGAL							
24532 <i>D 3062</i>	-Ilheu do Rei.	11° 51.1' N 15° 33.9' W	Fl.(2)G. period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	39 12	6	White round tower on quadrangular pyramidal skeleton structure; 20.	
24540 <i>D 3060</i>	--Entrance Range, front.	11° 51.4' N 15° 34.9' W	L.Fl.G. period 7s fl. 2s, ec. 5s	43 13	4	Metal white quadrangular tower.	
24544 <i>D 3060.1</i>	--Rear, about 320 meters 346° from front.	11° 51.6' N 15° 35.0' W	L.Fl.G. period 7s fl. 2s, ec. 5s	118 36	4	N. tower of cathedral.	
24545 <i>D 3059</i>	-Dicol Oil Jetty.	11° 50.2' N 15° 35.4' W	2 Iso.R. period 4s				1 on each corner.
24552 <i>D 3064</i>	-Pedro Alvarez, Canal de Pedro Alvarez, W. side.	11° 38.1' N 15° 41.8' W	Fl.W. period 5s fl. 1s, ec. 4s	36 11	9	Square white masonry tower, gallery.	Radar reflector.
ARQUIPELAGO DOS BIJAGOS:							
24556 <i>D 3065</i>	-Ilha Galinhas, on NE. extremity.	11° 30.5' N 15° 39.4' W	Fl.(3)W. period 15s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 10s	30 9	9	White square tower; 26.	
-Porto do Bolama:							
24564 <i>D 3070</i>	--Porto Preco Leve.	11° 33.3' N 15° 27.9' W	Fl.W. period 5s fl. 1s, ec. 4s	23 7	9	White round tower, square base.	
24565 <i>D 3071</i>	--Bolama, N. pier.	11° 34.6' N 15° 28.5' W	Fl.W. period 3s	19 6			
24568 <i>D 3072</i>	--Ponta Colonia.	11° 32.2' N 15° 25.8' W	Fl.(2)W. period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	56 17	9	White square masonry tower; 39.	
24576 <i>D 3074</i>	-Ilha das Cobras, N. point.	11° 38.5' N 15° 28.7' W	Fl.W. period 5s fl. 1s, ec. 4s	33 10	9	White column on white stone tower; 33.	
24580 <i>D 3078</i>	-Bubaque.	11° 18.1' N 15° 50.2' W	Fl.R. period 5s fl. 1s, ec. 4s	26 8	7	Black column.	F.R. on radio mast 127 meters S.
24588 <i>D 3081</i>	-Ilha Roxa, Ponta Barel.	11° 14.0' N 15° 39.8' W	Fl.(3)W. period 15s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 10s	85 26	9	White square masonry tower, red cross on E. side; 46.	
24596 <i>D 3080</i>	-Ilheu do Poilao.	10° 51.8' N 15° 43.3' W	Fl.(3)W. period 15s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 10s	89 27	9	Metal framework tower, white triangular daymark.	
GUINEA							
RIO NUNEZ:							
24600 <i>D 3084</i>	-Victoria.	10° 49.0' N 14° 34.0' W	Fl.W. period 6s fl. 1.5s, ec. 4.5s	46 14	6	White pillar on platform.	
24604 <i>D 3086</i>	-Port Kamsar Range, front.	10° 39.0' N 14° 37.0' W	F.R.				

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GUINEA							
24608 <i>D 3086.1</i>	--Rear, 097° from front.	10° 39.1' N 14° 37.0' W	F.R.				
24612 <i>D 3087</i>	Cap Gonzalez.	10° 24.3' N 14° 41.5' W	Fl.(3)W. period 15s	33 10	15	Sheltered pillar.	
	RACON		G(— — •)		15		
24616 <i>D 3088</i>	Cap Verga.	10° 15.0' N 14° 26.0' W	Fl.(2)W. period 10s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 7.3s	394 120	20	Metal mast; 33.	Reserve light range 18M. Radiobeacon.
24618	<i>Rio Nunez Approach Buoy "3".</i>	10° 09.5' N 15° 12.0' W	Fl.(4)W. period 15s			Red buoy.	
	RACON		K(— • —)		10		
24620 <i>D 3090</i>	Ile Tamara.	9° 27.5' N 13° 50.0' W	Fl.W. period 5s	311 95	26	White round tower; 20.	Visible 220°-235° and 283°-161°.
	CONAKRY:						
24636 <i>D 3093</i>	-Boulbinet, on reef, SW. side of city.	9° 30.1' N 13° 43.2' W	Oc.(2)W.R. period 12s	43 13	W. 13 R. 10	White tower, red lantern; 39.	W. 108°-112°, R.-315°, W.-015°, R.-108°.
24640 <i>D 3094</i>	-Digue de la Prudente.	9° 30.5' N 13° 43.7' W	V.Q.(6)+L.Fl.W. period 10s	43 13	7	S. CARDINAL YB, pylon.	
24648 <i>D 3096</i>	Ile Matakong, Riviere Florikaria entrance, N. side.	9° 16.0' N 13° 26.0' W	Iso.W. period 4s	69 21	6	White tower; 39.	
SIERRA LEONE							
24656 <i>D 3098</i>	Cape Sierra Leone.	8° 29.9' N 13° 17.8' W	L.Fl.W. period 15s fl. 2s, ec. 13s	62 19	14	White round stone tower, red lantern, on dwelling; 69.	F.R. 3M on water tower 460 meters S. Radiobeacon 0.5 mile E.
			F.R.	49 15	12		Visible 064°-089°.
	FREETOWN:						
24664 <i>D 3098.5</i>	-Ferry Terminal.	8° 29.0' N 13° 14.0' W	F.G.		2		
24668 <i>D 3099</i>	-Falcon Bridge Point.	8° 30.0' N 13° 14.0' W	Iso.W. period 2s	42 13	3	White round metal tower, 2 black bands; 8.	<i>Reported unreliable (1984).</i>
24672 <i>D 3100.2</i>	-Queen Elizabeth II quay, E. end.	8° 29.6' N 13° 12.6' W	Fl.(3)G.	92 28	2	Building.	Iso.R. 3s 2M marks W. end of quay.
24676 <i>D 3101</i>	-Cline Point Range, front.	8° 30.0' N 13° 12.0' W	F.R.	23 7	1	Metal tripod; 16.	
24680 <i>D 3101.1</i>	--Rear, about 42 meters 127° from front.	8° 29.5' N 13° 12.2' W	F.W.	49 15	1	Metal framework tower on building; 39.	
24684 <i>D 3101.4</i>	-Fura, ferry terminal.	8° 29.0' N 13° 12.0' W	Fl.(2)G. period 7s fl. 1s, ec. 2s fl. 1s, ec. 3s	14 4	2	Red metal post, white bands; 8.	
24688 <i>D 3101.6</i>	-Tagrin Point, ferry terminal.	8° 31.0' N 13° 09.0' W	Fl.(2)G. period 7s fl. 1s, ec. 2s fl. 1s, ec. 3s	14 4	2	Red metal posts, white bands; 8.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SIERRA LEONE							
BANANA ISLANDS:							
24692 <i>D 3102</i>	-Meheux Island, SW. extremity.	8° 05.0' N 13° 15.0' W	L.F.I.W. period 20s fl. 2.4s, ec. 17.6s	100 30	8	White tower; 12.	Visible 298°-180°.
LIBERIA							
MONROVIA:							
24696 <i>D 3105</i>	-Cape Mesurado.	6° 19.0' N 10° 49.0' W	Fl.W. period 6s	279 85	21	White conical masonry tower; 20.	
24700 <i>D 3107</i>	-S. breakwater.	6° 20.8' N 10° 48.9' W	L.F.I.G. period 10s fl. 3s, ec. 7s	36 11	4	White framework tower.	
24704 <i>D 3106</i>	-N. breakwater.	6° 21.0' N 10° 48.7' W	Fl.R. period 4s	33 10	7	White pylon.	
24708 <i>D 3108</i>	-Entrance Range, front.	6° 20.4' N 10° 47.8' W	F.R.	55 17	11	Metal framework tower.	
24712 <i>D 3108.1</i>	--Rear, 340 meters 120°45' from front.	6° 20.3' N 10° 47.7' W	F.R.	70 21	11	Red and white checkered water tank.	
24716 <i>D 3110.5</i>	King Gray.	6° 15.1' N 10° 41.7' W	F.R.		12		
24720 <i>D 3111</i>	Junk River.	6° 08.0' N 10° 23.0' W	Oc.W. period 5s		15		
24724 <i>D 3112</i>	-Grand Bassa Pt.	5° 52.0' N 10° 04.0' W	Iso.W.R. period 4s	95 29	15	Yellow and orange pylon; 79.	R. 297°-342°, W.-104°, R.-149°.
BUCHANAN:							
24728 <i>D 3112.9</i>	-Range, front.	5° 51.3' N 10° 02.6' W	3 F.Y. (vert.)			Daymark on mast.	Defines north limit of fairway.
24730 <i>D 3113</i>	--Common rear.	5° 51.3' N 10° 02.6' W	3 F.Y. (vert.)			Mast.	On request.
24732 <i>D 3113.1</i>	-Range, front, 103° to common rear.	5° 51.3' N 10° 02.6' W	3 F.Y. (vert.)			Framework tower on dolphin.	On request.
24734 <i>D 3113.3</i>	-Range, front.	0° 00.0' N 0° 00.0' W	3 F.Y. (vert.)			Daymark on mast.	Defines south limit of fairway.
24736 <i>D 3113.31</i>	--Rear.	5° 51.3' N 10° 02.6' W	3 F.Y. (vert.)			Mast.	
24740 <i>D 3112.4</i>	-Main breakwater, head.	5° 51.0' N 10° 04.0' W	Fl.G. period 3s fl. 0.3s, ec. 2.7s	31 9	3	White square concrete tower. Floodlit.	
24744 <i>D 3112.6</i>	-N. breakwater, head.	5° 52.0' N 10° 04.0' W	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	3	White square concrete tower. Floodlit.	
24748 <i>D 3113.8</i>	Bafu Bay.	5° 11.0' N 9° 17.0' W	Fl.W. period 4s fl. 1s, ec. 3s		12		Obscured on bearings less than 030°.
SINO BAY:							
24752 <i>D 3114</i>	-South Point.	4° 59.0' N 9° 02.0' W	Fl.(4)W. period 20s	106 32	23	White square tower; 26.	<i>Reported unreliable.</i>

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
LIBERIA							
24756 <i>D 3115.5</i>	--Breakwater, head.	4° 59.4' N 9° 02.7' W	Fl.G. period 3s	16 5		White building.	
24758 <i>D 3115</i>	-N. Point.	4° 59.6' N 9° 02.6' W	Fl.(2)W.R. period 11s	36 11		Tower; 36.	R. 310°-040°, W.-080°, R.-130°.
24760 <i>D 3116</i>	Cape Palmas.	4° 22.0' N 7° 44.0' W	Fl.(2)W. period 16s fl. 0.3s, ec. 3.7s fl. 0.3s, ec. 11.7s	104 32	24	White conical tower; 72.	
IVORY COAST							
24764 <i>D 3118</i>	Pointe Tafou.	4° 25.0' N 7° 22.0' W	Fl.(3)W. period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	82 25	20	White tower, black band and top; 46.	Visible 110°-200°.
24768 <i>D 3120</i>	San Pedro.	4° 45.0' N 6° 36.0' W	Fl.W. period 4s	348 106	13	Metal tower, red and white bands.	F.R. Aero obstruction lights on 4 corners at top.
24776 <i>D 3120.4</i>	-Entrance Range, front.	4° 44.0' N 6° 37.0' W	Oc.(2)G. period 6s lt. 1s, ec. 1s lt. 1s, ec. 3s	102 31	9	Metal pylon, red and white bands; 82.	Intensified 281°30'-301°30'.
24780 <i>D 3120.41</i>	--Rear, 620 meters 291°30' from front.	4° 44.5' N 6° 37.6' W	Q.G.	184 56	9	Metal pylon, red and white bands; 49.	Intensified 281°30'-301°30'.
24784 <i>D 3120.2</i>	-Jetee Ouest, head.	4° 44.0' N 6° 37.0' W	Fl.(2)W. period 3s	49 15	11	Red metal support on white tower.	V.Q.(3)R. 5s and V.Q.(3)G. 5s 3M mark sides of entrance.
24788 <i>D 3122</i>	Sassandra.	4° 57.0' N 6° 05.0' W	Oc.W. period 4s lt. 3s, ec. 1s	197 60	16	Tower; 23.	Visible over sector 250°.
24792 <i>D 3123</i>	-Mole, head.	4° 57.0' N 6° 04.9' W	Q.W.	33 10	2	White pylon, red band; 13.	A Q.R. light is shown from wharf about 805 meters 045°.
24796 <i>D 3125</i>	Grand Lahau.	5° 08.2' N 5° 01.2' W	Fl.(2+1)W. period 15s	43 13	15	White and red tower.	
	RACON		G(— — •)		15		
24798 <i>D 3126</i>	Adjue.	5° 11.6' N 4° 32.5' W	Fl.W. period 4s		15	White tower; 49.	
	ABIDJAN:						
	-Vridi Channel:						
24802	--Buoy "R".	5° 12.9' N 4° 00.1' W	Mo.(A)W.			SAFE WATER RW, pillar, topmark.	
	--RACON		R(• — •)				
24804 <i>D 3128</i>	--S. jetty, head.	5° 14.3' N 4° 00.2' W	Oc.(2)R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	52 16	11	Gray tower, red top; 43.	
24812 <i>D 3129</i>	--N. jetty, head.	5° 14.5' N 4° 00.2' W	Iso.G. period 4s	52 16	11	Gray tower, black top; 43.	Horn: 3 bl. ev. 30s. (bl. 3s, si. 3s, bl. 3s, si. 3s, bl. 3s, si. 15s).
24816 <i>D 3130</i>	--Entrance Range, front.	5° 14.6' N 4° 00.7' W	Dir.Oc.R. period 4s lt. 3s, ec. 1s	46 14	18	Red tower, white rectangular daymark, framed by two white triangular beacons, white rectangular daymark; 39.	Intensified 294°30'-299°30'. Several F.R. and F.G. lights mark the channel.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
IVORY COAST							
24820 <i>D 3130.1</i>	---Rear, about 430 meters 297° from front.	5° 14.5' N 4° 00.9' W	Dir.Oc.R. period 4s lt. 3s, ec. 1s	59 18	18	White tower, white rectangular daymark, red "V", framed by 2-white triangular beacons, red and white striped rectangular daymark; 52.	Intensified 294°30'-299°30'. Synchronized with front.
24824 <i>D 3131</i>	--Second Range, front.	5° 14.8' N 4° 00.9' W	Q.W.	56 17	22	White and black pylon.	
24828 <i>D 3131.1</i>	---Rear, 1.2 km. 304° from front.	5° 15.2' N 4° 01.5' W	Oc.(2)W. period 6s	98 30	23	White and black metal pylon.	
24832 <i>D 3134</i>	-Treitchville, quay.	5° 17.7' N 4° 01.7' W	Q.G.	75 23	8		
24836 <i>D 3135</i>	-Treitchville.	5° 17.8' N 4° 01.0' W	Fl.(2+1)G. period 12s	135 41	10	Water tower.	
24840 <i>D 3127</i>	-Port Bouet.	5° 14.5' N 3° 57.5' W	Fl.(3)W. period 14s	112 34	28	Square white tower, black top; 98.	Radiobeacon.
24842 <i>D 8542.2</i>	--Terminal.	5° 15.1' N 3° 57.8' W	Dir.F.R.		2		Visible 013°-019°.
24843 <i>D 3137.5</i>	-Grand Bassam.	5° 12.0' N 3° 43.9' W	Fl.W. period 5s	105 32	18		
GHANA							
24844 <i>D 3138</i>	Bobwasi Island.	4° 51.0' N 2° 15.0' W	Oc.W.R. period 17s lt. 14s, ec. 3s	79 24	19	White tower, red dome.	W. on bearing S. of 083°, R. elsewhere. <i>Temporarily extinguished (May 1984).</i>
24848 <i>D 3140</i>	Cape Three Points.	4° 45.0' N 2° 06.0' W	Fl.W. period 5s fl. 0.3s, ec. 4.7s	126 38	27	White round tower, red lantern; 61.	Visible 268°-120°.
TAKORADI BAY:							
24852 <i>D 3145</i>	-Takoradi.	4° 53.0' N 1° 45.0' W	Fl.(2)W. period 3s	163 50	19	White water tower, red lantern.	Visible 220°-070°. A F.R. light is shown from each of three radio masts about 2 km. N. of Takoradi.
24856 <i>D 3146</i>	-Main breakwater, head.	4° 53.2' N 1° 44.0' W	Q.R.	35 11	9	Pylon; 25.	F.R. lights shown from 3 masts 2.8 km. NW.
24860 <i>D 3148</i>	-N. breakwater, head.	4° 53.1' N 1° 44.2' W	F.G.	32 10	9		Bell: 1 stroke ev. 5s.
24864 <i>D 3151</i>	-Cement clinker jetty.	4° 53.0' N 1° 44.0' W	Iso.G. period 4s	35 11	1		
SEKONDI:							
24868 <i>D 3155.1</i>	-Fort Orange.	4° 56.0' N 1° 42.0' W	Oc.(2)W.R. period 30s lt. 21s, ec. 3s lt. 3s, ec. 3s	128 39	19	White tower, red lantern; 46.	W. 181°-000°, R.-046°.
-Naval harbor:							
24872 <i>D 3155</i>	--Main breakwater, head.	4° 56.0' N 1° 42.0' W	Fl.R. period 3s	30 9	7	Red and white checkered tower.	In line with fort orange light 262°30'.
24876 <i>D 3155.4</i>	---Elbow.	4° 55.8' N 1° 41.9' W	Fl.W. period 3s	30 9	7	White square tower.	
24880 <i>D 3156</i>	--Lee, breakwater, head.	4° 56.1' N 1° 41.8' W	Fl.G. period 3s	30 9	7	Green and white checkered square tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GHANA							
24884 D 3162	Accra (Akkra).	5° 32.0' N 0° 13.0' W	Fl.(4)W. period 25s fl. 0.3s, ec. 2.9s fl. 0.3s, ec. 2.9s fl. 0.3s, ec. 2.9s fl. 0.3s, ec. 15.1s	110 34	16	Gray round tower; 93.	Visible 245°-077°.
24892 D 3166	-AVIATION LIGHT.	5° 36.0' N 0° 10.0' W	Al.W.G. period 5s	249 76		On hangar; 61.	Occasional.
TEMA:							
24896 D 3167	-Chemu Point.	5° 38.7' N 0° 01.5' E	Fl.W. period 7.5s	154 47	18	Black structure, white stripes.	F.R. lights shown on tower 1.1 miles 351°.
24904 D 3167.2	-Main breakwater.	5° 37.0' N 0° 01.0' E	Mo.(U)R. period 10s	23 7	15		
	-RACON		Q(- - • -)		20		
24908 D 3167.4	-Lee breakwater.	5° 37.6' N 0° 01.0' E	Iso.G. period 10s	23 7	15		
24910 D 3137.45	-No. 2 Quay, SE corner.	5° 37.6' N 0° 00.6' E	Fl.G.			White post on white concrete base; 13.	
24910.5 D 3167.46	--NW corner.	5° 37.7' N 0° 00.6' E	Fl.R.			White post on white concrete base; 13.	
24915 D 3167.5	-Outer Fishing Harbor, S. breakwater, head.	5° 37.9' N 0° 01.2' E	Q.R.	20 6	7		
24916 D 3167.52	--E. breakwater, head.	5° 37.9' N 0° 01.2' E	Q.G.	20 6	7		
24920 D 3167.6	-Fishing port, S. breakwater, head.	5° 38.1' N 0° 01.1' E	F.R.	16 5	1		A F.G. light is shown from head of E. breakwater.
24921 D 3167.8	--E. breakwater, head.	5° 38.1' N 0° 01.0' E	F.G.	16 5	1		
24924 D 3168	Cape St. Paul.	5° 50.0' N 0° 58.0' E	Fl.W. period 15s fl. 1.7s, ec. 13.3s	75 23	26	White pile structure, red bands; 83.	
TOGO							
RADE DE LOME:							
24928 D 3171	-Lome.	6° 08.0' N 1° 15.0' E	Fl.(2)W. period 10s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 7.2s	125 38	20	Gray water tower, red and white supports.	
24932 D 3174	-Port of Lome, Jetee Ouest, head.	6° 08.0' N 1° 18.0' E	Oc.R. period 6s lt. 5s, ec. 1s	43 13	5	Red tower; 26.	
24936 D 3174.2	--Jetee Est, head.	6° 08.0' N 1° 17.4' E	Oc.G. period 6s lt. 5s, ec. 1s		5	Green tower.	Siren: Mo.(L) ev. 25s.
24944 D 3173	-Baguida.	6° 10.0' N 1° 19.0' E	Oc.W.R. period 3s lt. 2.5s, ec. 0.5s	125 38	W. 17 R. 13	Aluminum-colored pylon, black top; 112.	W. shore-042°, R.-shore. Reserve light Q.R.
24948 D 3176	Kpeme, pier, extremity.	6° 11.0' N 1° 31.0' E	Oc.(2)W. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	82 25	11	Metal framework tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
BENIN							
24952 <i>D 3178</i>	Cotonou.	6° 21.1' N 2° 26.4' E	Fl.W. period 5s fl. 0.2s, ec. 4.8s	102 31	20	Gray metal framework tower; 85.	F.R. lights on radio mast 1.6 miles NE., 1.7 and 2.4 miles W., and 750 meters NW. Reserve light range 19M.
24956 <i>D 3179</i>	-Digue Ouest, head.	6° 20.6' N 2° 26.0' E	Oc.(2)R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	33 10	8	Red round on white pylon.	
24960 <i>D 3180</i>	-Spur, head.	6° 20.4' N 2° 25.7' E	Fl.(4)R. period 15s		3	Metal column.	Oc.(3)Y., V.Q.R., F.Y. mark extensive changes to port area to NW.
24964 <i>D 3181</i>	-N. breakwater, head.	6° 20.7' N 2° 25.9' E	Iso.G. period 4s	26 8	4	Green column.	
NIGERIA							
LAGOS HARBOR:							
24968 <i>D 3870</i>	-Beecroff Point.	6° 24.2' N 3° 23.0' E	Fl.(2)W. period 15s fl. 0.5s, ec. 3.2s fl. 0.5s, ec. 10.8s	86 26	15	Black round tower, white band and lantern; 89.	
24976 <i>D 3873</i>	-E. mole, head.	6° 24.0' N 3° 24.0' E	Fl.G. period 3s fl. 0.6s, ec. 2.4s	30 9	5	White mast; 30.	Radar reflector.
24981 <i>D 3877.2</i>	-Atlas Cove Oil, terminal, jetty, N. head.	6° 25.0' N 3° 24.0' E	2 F.R. (vert.)				
24982 <i>D 3877</i>	--Jetty, S. head.	6° 24.0' N 3° 24.0' E	2 F.R. (vert.)				
24984 <i>D 3876</i>	-W. training wall, N. end.	6° 24.0' N 3° 24.0' E	I.Q.R.			White quadrangular stone structure, red checkers.	
24992 <i>D 3878</i>	-E. mole.	6° 25.0' N 3° 24.0' E	Fl.R.				Storm signals. Signal station.
24996 <i>D 3881</i>	-Wilmot Point S. Jetty, head.	6° 25.0' N 3° 24.0' E	Dir.Oc.(2)W.R.G. period 10s lt. 2s, ec. 1s lt. 6s, ec. 1s		6	Tower; 30.	G. 009°42'-015°42', W.-021°42', R.-029°42'.
			Q.G.		5		Visible 029°-189°.
25004 <i>D 3884</i>	-Marina, 351°.	6° 26.4' N 3° 24.1' E	Dir.Oc.(3)W.R.G. period 12s lt. 2s, ec. 1s lt. 2s, ec. 1s lt. 5s, ec. 1s		6		G. 341°30'-348°30', W.-353°30', R.-001°30'.
25008 <i>D 3885</i>	-Apapa Wharf, NE. corner.	6° 26.3' N 3° 23.8' E	Fl.R. period 8s		4		
25012 <i>D 3885.5</i>	-SE. corner.	6° 26.0' N 3° 23.6' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s		4		
25016 <i>D 3886</i>	Tin Can Island, E.	6° 25.9' N 3° 21.7' E	Q.G.		5	Dolphin; 23.	
25032 <i>D 3888</i>	-Carter Bridge, about 1430 meters 073°30' from Bluff Point Beacon.	6° 28.0' N 3° 23.1' E	F.G.	18 5	2		
ESCRAVOS RIVER:							
25036 <i>D 3900</i>	-Oidigbe.	5° 33.6' N 5° 10.9' E	Fl.(3)W. period 20s	130 40	17	Metal framework tower, black band.	Obscured on bearings of less than 008°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
NIGERIA							
25038 <i>D 8580.6</i>	-Berthing operations platform.	5° 30.5' N 5° 00.3' E	Mo.(U)W. period 15s		85 26	Metal structure; 85.	
25040	-Fairway buoy.	5° 29.0' N 5° 00.0' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s			Red spherical buoy, ball topmark.	Bell. Radar reflector.
25044 <i>D 3904</i>	-Main mole, head.	5° 31.0' N 5° 06.0' E	Fl.W. period 10s	33 10	10	Metal framework tower; 26.	Radar reflector.
25048 <i>D 3906</i>	-Island mole, S. head.	5° 31.3' N 5° 07.1' E	Fl.W. period 5s	23 7	8	Metal framework pylon with hut; 20.	Radar reflector.
25049 <i>D 8581.7</i>	Loading Berth.	5° 10.2' N 5° 10.7' E	Mo.(U)W. period 15s	66 20	7		Horn: Mo.(U)30s
	RACON		D(— • •)				
25052	<i>Middleton River Bell Buoy.</i>	4° 30.0' N 5° 30.0' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s			Red and white striped buoy, ball topmark.	Bell. Radar reflector.
25056 <i>D 3930</i>	Palm Point.	4° 16.2' N 6° 04.8' E	Fl.W. period 10s fl. 1.2s, ec. 8.8s	100 30	15	White metal pile structure.	The navigable spans of Benue Bridge are marked by F.G. lights when bridge is open and F.R. lights when closed. Not shown from Dec. 1 to May 31.
25058 <i>D 8584.4</i>	Brass Oil Terminal Berth Operating Platform.	4° 04.0' N 6° 17.2' E	Mo.(U)W. period 15s				Horn: Mo.(U)
			Mo.(U)R. period 15s				
	RACON		T(—)				
25064 <i>D 3940</i>	-Bonny.	4° 24.2' N 7° 08.2' E	Fl.(2)W. period 20s fl. 0.3s, ec. 4.7s fl. 0.3s, ec. 14.7s	130 40	17	Gray skeleton framework tower.	Visible 214°-180°. F.R. lights on radio mast 2.4 miles NE.
	-RACON		B(— • • •)				
25068 <i>D 3944</i>	--Boier's Pier, near root.	4° 27.3' N 7° 10.3' E	Oc.G. period 2.5s	29 9			Signal station.
25070 <i>D 8588.2</i>	Qua Iboe.	4° 14.2' N 8° 02.7' E	Mo.(U)W. period 15s				Horn.
	RACON		K(— • —)		20		Azimuth coverage 180°-090°.
CAMEROON							
25084 <i>D 3990</i>	Debundscha Point.	4° 06.3' N 8° 58.7' E	Fl.W.R. period 5s	134 41	16	White tower; 26.	R. 130°-161°, W.-130°.
	AMBAS BAY:						
25088 <i>D 4008</i>	-Limbe Range, front.	4° 00.8' N 9° 12.1' E	F.R.			White beacon, black bands.	
25092 <i>D 4008.1</i>	--Rear, 50 meters 032° from front.	4° 00.8' N 9° 12.1' E	F.R.			White beacon, black bands.	
25096 <i>D 4006</i>	-Bota Pier, on flagstaff.	4° 00.9' N 9° 11.6' E	2 F.G. (vert.)		5	Flagstaff.	2 F.R. lights on a bearing 9°, marking the approach to Morton Bay, are located about 0.6 mile west from Bota flagstaff light.
25100 <i>D 4000</i>	Cape Nachtigal.	3° 57.1' N 9° 12.8' E	Iso.W. period 2s	144 44	14	White masonry tower; 42.	Visible 285°-133°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CAMEROON							
BIMBIA RIVER:							
25104 <i>D 4018</i>	-Entrance Point.	3° 58.5' N 8° 17.1' E	Fl.W.R. period 7s fl. 0.5s, ec. 6.5s	14 4	8	Masonry hut, painted in red and white checkers; 13.	W. 228°-033°, R.-228°.
OFFSHORE ISLANDS							
EQUATORIAL GUINEA ISLA DE BOKO:							
25112 <i>D 4040</i>	-Punta Europa (Los Frailes).	3° 46.9' N 8° 43.0' E	Fl.(3)W. period 20s fl. 1s, ec. 4s fl. 1s, ec. 4s fl. 1s, ec. 9s	233 71	25	White framework tower, red bands.	Obscured by trees S. of 073°.
25116 <i>D 4039</i>	-Matabo (Santa Isabel) Airport.	3° 45.2' N 8° 42.9' E	Al.Fl.W.G. period 6s	141 43		Control tower.	Occasional.
25120 <i>D 4032</i>	-Punta la de Unidad Africana(Punta Fernanda)	3° 45.7' N 8° 47.0' E	Oc.(4)R. period 12s lt. 5s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s	112 34	5	Column on pyramid; 26.	
25124 <i>D 4036</i>	-Malabo (Santa Isabel) Range, front.	3° 45.3' N 8° 47.1' E	Oc.(2)W. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	30 9	8	White column; 26.	
25128 <i>D 4036.1</i>	--Rear, 40 meters 120° from front.	3° 45.3' N 8° 47.1' E	Oc.(2)W. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	138 42	10	White pillar; 10.	
25136 <i>D 4028</i>	-Islote Horacio	3° 45.5' N 8° 54.4' E	Fl.W. period 4s fl. 1s, ec. 3s	69 21	10	White pylon; 52.	
25140 <i>D 4043</i>	-Islote Loros, NW. side.	3° 32.4' N 8° 34.1' E	Q.W.	33 10	7	White metal tower; 13.	
25144 <i>D 4046</i>	--Punta Barcelonesa.	3° 27.9' N 8° 32.7' E	Fl.(4)W.R. period 15s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	144 44	W. 12 R. 10	White 6-sided tower, red bands; 52.	W. 090°-186°, R.-270°.
25146 <i>D 4051</i>	--Puerto Luba.	3° 27.5' N 8° 33.5' E	Oc.(2)W.R.G. period 6s lt. 1s, ec. 1s lt. 3s, ec. 1s	98 30	W. 8 R. 5 G. 5	White metal mast; 16.	R. 090°-150°, W.-180°, G.-270°, obsc.-090°. F.G. 3M 071.5° range inside Puerto Luba.
25156 <i>D 4056</i>	-Cabo Agudo, Punta Santiago.	3° 12.4' N 8° 40.6' E	Fl.(2+1)W. period 20s fl. 1s, ec. 7.5s fl. 1s, ec. 2s fl. 1s, ec. 7.5s	262 80	12	Metal framework tower; 82.	Visible 238°42'-104°42'. Aeromarine light.
25160 <i>D 4064</i>	-Fronton de Caracas.	3° 25.4' N 8° 48.5' E	Fl.(3)W.R. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	59 18	W. 8 R. 5	White pyramidal tower; 26.	R. 200°-215°, W.-018°, R.-040°.
25164 <i>D 4060</i>	-Bahia de Riaba.	3° 22.9' N 8° 45.8' E	Fl.W.R.G. period 5s fl. 1s, ec. 4s		5	White tower; 20.	G. 090°-247°, W.-297°, R.-090°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
OFFSHORE ISLANDS							
ILHA DO PRINCIPE:							
25172 D 4154	-Ponta da Mina.	1° 39.0' N 7° 26.4' E	Fl.(2)W. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	177 54	9	Tower, red and white bands; 16.	Visible 230°-292°.
25174 D 4158.5	-Focinho de Cao.	1° 36.3' N 7° 19.8' E	Fl.W. period 12s	49 15	12		
25174.5 D 4159	-Ilheu Caroco, Bone do Joquei.	1° 30.7' N 7° 25.8' E	Fl.(3)W. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	95 29	12	White square tower, red bands; 16.	Obscured northwards.
25175 D 4149	-Ponta Chindela.	1° 37.7' N 7° 27.8' E	Fl.(4)W. period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 8.5s	115 35	9	White square tower, red bands; 16.	
25176 D 4155	-Santo Antonio do Principe.	1° 38.7' N 7° 25.4' E	Fl.(3)W.R.G. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	43 13	W. 9 R. 6 G. 6	Lantern on harbor office, red and white stripes; 39.	G. shore-239°, W.-245°, R.-shore.
25177 D 4154.2	-Mosteiros.	1° 41.2' N 7° 28.3' E	Fl.W. period 7s fl. 1s, ec. 6s	82 25	12	White square tower, red bands; 16.	
25180 D 4158	-Ilheu Bombom, summit.	1° 42.0' N 7° 24.6' E	Fl.(2)W.R. period 10s	209 64	W. 12 R. 9	White square tower; 12.	W. 149°-124°, R.-149°.
25182 D 4160	-Tinhosa Grande, summit.	1° 20.7' N 7° 17.6' E	Fl.(2)W.R. period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	197 60	W. 12 R. 9	White square tower, red bands; 16.	W. 180°-155°, R.-180°.
ILHA DE SAO TOME.							
25183 D 4243	-Lagoa Azul.	0° 24.5' N 6° 37.0' E	Fl.(2)W. period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	112 34	12	White rectangular tower, red bands; 16.	
25184 D 4230	-Ilheu das Cabras, summit.	0° 24.6' N 6° 43.3' E	Fl.(2+1)W. period 15s fl. 1s, ec. 2s fl. 1s, ec. 5s fl. 1s, ec. 5s	322 98	12	White round tower, red lantern; 16.	
25192 D 4237	-Sao Sebastiao.	0° 20.7' N 6° 44.4' E	Fl.(4)W.R. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	46 14	W. 12 R. 9	White round tower, red lantern, on fortress; 20.	R. 332°-171°, W.-332°.
-Porto de Ana Chaves:							
25196 D 4234	--Punta de San Jose Range, front.	0° 21.5' N 6° 43.9' E	Fl.G. period 2s fl. 0.5s, ec. 1.5s	30 9	6	White tower, red bands; 16.	
25200 D 4234.1	---Rear, about 80 meters 285° from front.	0° 21.5' N 6° 43.9' E	Iso.G. period 4s	30 9	6	White tower, red bands; 16.	
25201 D 4238	-Ilheu Santana.	0° 14.5' N 6° 46.0' E	Fl.W. period 7s fl. 0.8s, ec. 6.2s	144 44	12	Rectangular tower; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
OFFSHORE ISLANDS							
25202 <i>D 4239</i>	-Ponta do Io, Angolares.	0° 06.6' N 6° 39.5' E	Fl.(3)W.R. period 20s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 15.2s	128 39	W 12 R 9	Tower; 16.	W. 035°-015°, R.-035°.
25204 <i>D 4241</i>	-Ilheu Gago Coutinho.	0° 00.3' N 6° 31.6' E	Fl.(2)W. period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	349 106	12	Yellow square tower, red lantern, on dwelling; 30.	
25205 <i>D 4242</i>	-Ponta Furada.	0° 14.6' N 6° 28.0' E	Fl.W. period 8s fl. 1s, ec. 7s	161 49	12	Rectangular tower; 16.	
ISLA DE PAGALU							
25208 <i>D 4248</i>	-Mission de Santo Antonio.	1° 24.2' S 5° 36.9' E	Fl.W. period 4s fl. 1s, ec. 3s	151 46	10	Masonry tower; 23.	
25210 <i>D 4249</i>	-Pointe San Antonio.	1° 27.6' S 5° 36.9' E	Oc.(4)R. period 12s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 5s, ec. 1s		6		
CAMEROON							
KOLE:							
25212 <i>D 3980</i>	-SBM "KLB1".	4° 14.5' N 8° 33.5' E	Mo.(U)W. period 30s		6	Yellow superbuoy.	Floating hose marked by Fl.W. lights. Horn: Mo.(U) 30s Radar reflector.
25213 <i>D 3981</i>	-SBM "KLB2".	4° 12.7' N 8° 33.5' E	Mo.(U)W. period 30s		6	Yellow superbuoy.	Horn: Mo.(U) 30s Radar reflector.
ANTAN:							
25226 <i>D 8588.6</i>	-Antan oil terminal "FPSO6".	4° 13.3' N 8° 20.1' E	Mo.(U)W. period 15s		10	Storage tanker at piled platform.	Horn: Mo.(U)
DOUALA:							
25232	-Approach buoy "Wouri", entrance to Riviere Cameroun.	3° 45.0' N 9° 23.0' E	L.Fl.W. period 10s fl. 3s, ec. 7s			SAFE WATER RW, pillar, topmark.	Buoys of unreliable position and characteristic mark channel northeastward.
25233	-Cap Cameroun, RACON.	3° 54.7' N 9° 28.7' E	C(— • — •) period 30s		16		
25234	-Pointe Souellaba, RACON.	3° 49.1' N 9° 33.1' E	D(— • •) period 30s		16		
KRIBI:							
25236 <i>D 4134</i>	-Margaret Point, entrance Range, Front.	2° 56.0' N 9° 54.5' E	Fl.(3)W. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	59 18	14	White tower, red top; 49.	Visible over an arc of 225°.
25240 <i>D 4134.1</i>	--Rear, about 555 meters 115° from front.	2° 55.9' N 9° 54.6' E	Dir.F.G.	98 30	8	Belfry; 43.	Visible on range line only. Light on radio mast 1 mile SSE.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
EQUATORIAL GUINEA							
25248 <i>D 4170</i>	Punta Mbonda.	2° 05.6' N 9° 46.0' E	Fl.(3+1)W. period 20s fl. 0.1s, ec. 3.3s fl. 0.1s, ec. 3.3s fl. 0.1s, ec. 6.5s fl. 0.1s, ec. 6.5s	119 36	20	Octagonal brick tower; 115.	Aeromarine light.
25252 <i>D 4175</i>	Puerto Macias Nguema, jetty, head.	1° 49.6' N 9° 44.4' E	Iso.W.R. period 4s	9 3	W. 11 R. 7	Metal mast; 16.	R. 159°-204°, W.-159°.
25256 <i>D 4174</i>	Bata, wharf, SW corner	1° 52.4' N 9° 46.3' E	Iso.W.R. period 4s	42 13	W. 8 R. 5	Aluminum mast; 26.	R. 000°-159°, W.-204°. F.R. lights on radio towers 2.4 miles NE. and 1 mile ENE.
25260 <i>D 4175.5</i>	Punta Ngaba.	1° 44.7' N 9° 40.9' E	Fl.W. period 5s fl. 0.1s, ec. 4.9s	62 19	18	Metal tower, concrete base; 78.	
RIO BENITO:							
25264 <i>D 4176</i>	-Punta Mbode.	1° 37.4' N 9° 36.4' E	Q.(4)W. period 9s fl. 0.2s, ec. 0.8s fl. 0.2s, ec. 0.8s fl. 0.2s, ec. 0.8s fl. 0.2s, ec. 5.8s	46 14	6	Light gray metal framework; 39.	
25268 <i>D 4180</i>	-Punta Negra Pier.	1° 35.3' N 9° 37.8' E	F.R.	11 3	1	Concrete column; 7.	F.G. 4m 1M light marks Villa de Benito pier head 0.5 mile WSW.
25272 <i>D 4177</i>	-Forestry Service, S. side of entrance.	1° 34.8' N 9° 36.4' E	Q.(3)W. period 6s fl. 0.3s, ec. 0.7s fl. 0.3s, ec. 0.7s fl. 0.3s, ec. 3.7s	56 17	7	Light gray metal framework tower; 23.	
25276 <i>D 4190</i>	Cabo San Juan.	1° 10.4' N 9° 20.5' E	Fl.(2)W. period 10s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 7.4s	79 24	15	Red pylon; 59.	F.W. 167 meters NW.
BAHIA DE CORISCO:							
25288 <i>D 4210</i>	-Rio Muni. Port de Cogo, Dir. Lt 058°	1° 05.0' N 9° 41.7' E	Dir.Iso.W.R.G. period 4s	105 32	W. 9 R. 7 G. 7	Red tower; 52	G. 043-057°, W.-059°, R.- 073°.
25300 <i>D 4200</i>	-Isla de Corisco, N. end.	0° 56.0' N 9° 19.0' E	Fl.W. period 4s fl. 1s, ec. 3s	92 28	8	Red square tower; 10.	
GABON							
25304 <i>D 4260</i>	Pointe N'Dombo.	0° 56.3' N 9° 33.1' E	Fl.W. period 4s	24 7	8	White square tower; 26.	
25308 <i>D 4266</i>	Ile Nende, Riviere Mondah.	0° 35.9' N 9° 32.7' E	Oc.(2)W. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	98 30	6	Tower, white rectangular daymark.	
25312 <i>D 4272</i>	Cap Esteiras.	0° 37.2' N 9° 19.6' E	Fl.(2+1)W. period 12s fl. 1s, ec. 1s fl. 1s, ec. 4s fl. 1s, ec. 4s	59 18	8	White beacon; 59.	
ESTUAIRE DU GABON:							
25316 <i>D 4276</i>	-Pointe Gombe,	0° 18.3' N 9° 18.3' E	Fl.W. period 10s fl. 0.7s, ec. 9.3s	187 57	25	White column, black band; 39.	The lights in the estuary are unreliable.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GABON							
25344 <i>D 4284.2</i>	-Port Libreville, breakwater, NW. head.	0° 24.1' N 9° 26.1' E	Iso.G. period 4s		5		
25348 <i>D 4284</i>	--Breakwater, SE. head.	0° 23.9' N 9° 26.2' E	Iso.R. period 4s		5	White square tower, red top.	
25356 <i>D 4286</i>	-Pointe Owendo.	0° 17.2' N 9° 30.5' E	Fl.(2)W. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	150 46	8	White square tower, red top; 33.	
25364 <i>D 4287.5</i>	--Pier.	0° 17.5' N 9° 30.9' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	16 5	3	Black and white tower; 13.	
PORT GENTIL:							
25372 <i>D 4290</i>	-Balise des Capitaines Range, front.	0° 37.6' S 8° 43.1' E	Fl.R. period 2s	36 11	8	Yellow beacon.	
25384 <i>D 4294</i>	Yombe River	0° 45.3' S 8° 52.5' E	Iso.W. period 4s	33 10	6	Red and white metal framework tower; 29.	
OIL WELL AREA S. OF CAP LOPEZ:							
25388 <i>D 8605</i>	-N. corner.	0° 47.0' S 8° 44.2' E	Mo.(U)W.	42 13	7	Platform.	Horn: Mo.(U)
Some unlit oil structures are found in this area.							
25404	--Wells "DRM-1".	1° 01.0' S 8° 46.0' E	Fl.(3)W. period 10s	33 10	3	Black pipe, black ball daymark.	
25408	--Wells "1".	1° 04.0' S 8° 43.0' E	Fl.(3)W. period 10s	33 10	3	Black pipe, black ball daymark.	
25420 <i>D 8605.2</i>	--W. angle.	1° 09.0' S 8° 29.0' E	Mo.(U)W.R. period 10s	23 7	9	Oil well platform "Girelle".	W. 341°-203°, R.-341°. Horn: Mo.(U)
25424 <i>D 8605.3</i>	--Grondin, SW corner.	1° 26.7' S 8° 39.9' E	Mo.(U)W.		9	Platform.	Horn: Mo.(U)
25428	--Wells "BRM-1".	1° 29.0' S 9° 06.0' E	Q.W.	33 10	3	Black pipe, black ball daymark.	
25440 <i>D 8605.4</i>	--SE. angle.	1° 36.0' S 9° 12.6' E	Mo.(U)W. period 12s	39 12	7	Pylon.	
25444 <i>D 8610</i>	Gamba.	2° 47.0' S 10° 01.1' E	Fl.(2)W. period 10s	154 47	18	White metal framework tower; 131.	Q.R. light at Nyranga anchorage reported approximately 16 miles SE.
CONGO							
BAIE DE POINTE NOIRE:							
25452 <i>D 4311</i>	-Pointe Noire.	4° 47.4' S 11° 50.2' E	Fl.W. period 5s fl. 0.3s, ec. 4.7s	89 27	24	Black and white tower; 66.	Visible 329°-194°.
25460 <i>D 4315</i>	-Detached breakwater, N. head.	4° 46.6' S 11° 50.0' E	Oc.(2)R. period 6s lt. 1s, ec. 1s lt. 1s, ec. 3s	33 10	3	White tower.	
25464 <i>D 4315.1</i>	-Cathedral.	4° 47.7' S 11° 50.7' E	2 F.R. (horiz.)	131 40	9	Cathedral.	Visible 124°-174°.
25476 <i>D 4314</i>	-Inner breakwater, W. side of entrance.	4° 46.6' S 11° 49.9' E	Iso.G. period 4s	33 10	3	White tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CONGO							
25484 <i>D 4319</i>	Djeno.	4° 55.0' S 11° 55.8' E	Oc.W.R. period 4s lt. 3s, ec. 1s	95 29	W. 18 R. 15		W. 073°-003°, R.-073°.
CABINDA							
25492 <i>D 4326</i>	Punta de Landana.	5° 14.4' S 12° 08.0' E	Oc.W. period 5s lt. 3s, ec. 2s	198 60	9	White square tower; 29.	
25496 <i>D 4332</i>	Malongo Range, front.	5° 23.6' S 12° 11.8' E	Iso.R. period 2s	30 9	8	White triangular tower; 33.	
25500 <i>D 4332.1</i>	-Rear, about 0.4 km. 070° from front.	5° 23.6' S 12° 11.8' E	Iso.R. period 4s	397 121	8	White triangular tower; 33.	
25502 <i>D 8625</i>	Malongo Oil Terminal Platform.	5° 24.8' S 11° 59.5' E	Mo.(U)W. period 10s		5		Horn: Mo.(U) 20s
	RACON		G(— — •)				
25503	Platform "Lima".	5° 14.7' S 11° 49.8' E	Mo.(U)W.				Horn: 1 bl. ev. 20s.
	RACON						
25504 <i>D 4340</i>	Cabinda.	5° 32.9' S 12° 11.0' E	Fl.(2)W. period 10s fl. 0.3s, ec. 3.5s fl. 0.3s, ec. 5.9s	89 27	20	White square framework tower, white hut; 65.	
25506 <i>D 4342.5</i>	-Cabinda Airport AVIATION LIGHT.	5° 35.2' S 12° 11.7' E	Al.Fl.W.G.	98 30			Occasional.
25508 <i>D 4343</i>	-Simulambuco Range, front.	5° 33.2' S 12° 13.3' E	Iso.R. period 2s	30 9	4	White quadrangular masonry tower.	
25512 <i>D 4343.1</i>	--Rear, 302 meters 110° from front.	5° 33.2' S 12° 13.5' E	Iso.R. period 4s	150 46	4	White quadrangular masonry tower.	
ZAIRE							
25516 <i>D 4370</i>	Pointe Kupundji.	5° 53.4' S 12° 17.7' E	Fl.W. period 5s	102 31	15	White metal tower; 31.	
25524 <i>D 4390</i>	Pointe Bulabemba.	6° 03.0' S 12° 27.0' E	Iso.W.R. period 6s	56 17	13	White metal tripod.	W. 286°-106°, R.-143°, obsc.-286°.
ANGOLA							
CONGO RIVER ENTRANCE SOUTH SIDE:							
25528 <i>D 4380</i>	-Moita Seca	6° 06.7' S 12° 16.5' E	Fl.(3)W. period 10s fl. 0.3s, ec. 1.5s fl. 0.3s, ec. 1.5s fl. 0.3s, ec. 6.1s	66 20	12	White hexagonal iron skeleton tower; 69.	Visible 008°-202°. <i>Reported extinguished (1989).</i>
25532 <i>D 4382</i>	-Ponta do Padrao.	6° 04.7' S 12° 19.7' E	Fl.G. period 4s	26 8	6	White pylon; 23.	Radar reflector.
25536 <i>D 4384</i>	-Santo Antonio Entrance Range, front.	6° 07.4' S 12° 21.9' E	F.R.	13 4	6	Metal lantern on white triangular mark, point up.	
25540 <i>D 4384.1</i>	--Rear, about 150 meters 152°18' from front.	6° 07.5' S 12° 22.0' E	F.R.	30 9	6	Metal lantern on white triangular mark, point down.	Aero Radiobeacon about 0.8 mile SSE.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ANGOLA							
25544 <i>D 8629</i>	-Sazaire Oil Terminal.	6° 05.8' S 12° 23.0' E	Iso.W. period 4s			Platform.	
25552 <i>D 8633</i>	Oil loading terminal tower.	6° 30.3' S 12° 27.6' E	L.Fl.W. period 7s fl. 2s, ec. 5s	23 7	5	Metal column.	Horn: Mo.(U) ev. 30s
25556 <i>D 5003</i>	Cabeça de Cobra.	6° 32.8' S 12° 30.0' E	Fl.W. period 4s fl. 0.3s, ec. 3.7s	138 42	19	White square tower, small white house on N. side; 43.	
25560 <i>D 5006</i>	Ponta do Quinzau.	6° 53.3' S 12° 45.4' E	Mo.(V)W. period 12s fl. 0.8s, ec. 1s fl. 0.8s, ec. 1s fl. 0.8s, ec. 1s fl. 2.6s, ec. 4s	180 55	20	Yellow square tower, black bands, white dwellings; 49.	
25564 <i>D 5040</i>	Ambrizete.	7° 15.7' S 12° 51.2' E	Fl.(3)W. period 10s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	110 34	17	White square tower, cross daymark; 65.	
25568 <i>D 5060</i>	Ambriz.	7° 50.1' S 13° 06.0' E	Fl.(4)W. period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	108 33	16	White square tower; 45.	
25572 <i>D 5080</i>	Ponta do Dande.	8° 28.1' S 13° 20.8' E	Fl.(2)W. period 10s fl. 0.3s, ec. 1.4s fl. 0.3s, ec. 8s	207 63	16	White square masonry tower, red bands.	
BAIA DE LUANDA:							
25576 <i>D 5100</i>	-Ponta das Lagostas.	8° 45.4' S 13° 18.4' E	Oc.(2)R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	266 81	7	White quadrangular tower, two dwellings attached; 46.	Radar reflector.
25584 <i>D 5101</i>	-Ilha do Cabo, Ponta da Ilha.	8° 45.6' S 13° 15.9' E	Fl.(3)W. period 8s fl. 2s, ec. 1.4s fl. 0.9s, ec. 1.4s fl. 0.9s, ec. 1.4s	36 11	9	White square metal framework tower on building; 36.	
25596 <i>D 5104</i>	-Pedras de Mae-Isabel.	8° 47.9' S 13° 14.5' E	F.W.	15 5	1	Tower with gallery, black and white bands, on stone base.	
25600 <i>D 5150</i>	Ponta das Palmeirinhas.	9° 04.2' S 12° 59.3' E	Fl.W. period 4.5s fl. 0.3s, ec. 4.2s	131 40	21	White square tower; 36.	Aeromarine light.
25604 <i>D 5180</i>	Cabo Ledo.	9° 41.0' S 13° 12.0' E	Fl.(3)W. period 15s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 8.5s	335 102	17	White hexagonal masonry tower, galleries, two small buildings attached; 39.	
25608 <i>D 5200</i>	Cabo das Tres Pontas.	10° 23.0' S 13° 32.0' E	Fl.(2)W. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	168 51	12	White square masonry tower, small building; 46.	
25612 <i>D 5226</i>	Cambiri.	10° 43.8' S 13° 45.0' E	Fl.R. period 4s fl. 1s, ec. 3s	211 64	3	White hut; 13.	
25616 <i>D 5228</i>	--Pier, NW. corner.	10° 43.7' S 13° 45.1' E	F.R.	9 3	3	Column.	
25620 <i>D 5228.2</i>	--SW. corner.	10° 43.7' S 13° 45.1' E	F.G.	15 5	3	Column.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ANGOLA							
25624 <i>D 5224</i>	Porto Amboim.	10° 45.4' S 13° 43.2' E	Oc.(2)W. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	361 110	9	White square tower, attached dwellings; 39.	
25628 <i>D 5240</i>	Novo Redondo, NE. corner of fort.	11° 11.5' S 13° 50.2' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	112 34	8	Black column on house; 23.	
25632 <i>D 5250</i>	Quicombo.	11° 21.0' S 13° 48.0' E	Fl.(4)W. period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	450 137	16	White square tower; 46.	Aeromarine light.
25636 <i>D 5270</i>	Punta do Egito.	11° 59.9' S 13° 43.5' E	Fl.W. period 4s fl. 0.3s, ec. 3.7s	450 137	19	White round tower, red stripes.	<i>Temporarily extinguished.</i>
BAIA DO LOBITO:							
25640 <i>D 5280</i>	-Lobito.	12° 19.2' S 13° 35.7' E	Fl.(2)W. period 10s fl. 0.3s, ec. 1s fl. 0.3s, ec. 7.2s	348 106	20	White round tower, dwelling; 49.	
25644 <i>D 5288</i>	-Restinga	12° 18.9' S 13° 35.0' E	Oc.(2)W. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	46 14	7	Red metal framework, white bands; 33.	Radar reflector.
BAIA DE BENGUELA:							
25648 <i>D 5312</i>	-Ponta de Sombreiro, W. point of bay.	12° 35.0' S 13° 17.9' E	Oc.(3)W. period 9s lt. 3.6s, ec. 1s lt. 1.2s, ec. 1s lt. 1.2s, ec. 1s	424 129	8	Red column on white dwelling; 23.	
25652 <i>D 5300</i>	-Old fort, N. face Range front.	12° 34.4' S 13° 23.9' E	Q.W.R.G.	36 11	W. 10 R. 8 G. 7	Square tower; 23.	R. 053°-090°, W.-190°, G.-233°.
25656 <i>D 5300.1</i>	--Rear 490 meters 118° from front.	12° 34.5' S 13° 24.1' E	F.R.	53 16	3	Church steeple; 39.	
25660 <i>D 5304</i>	--Pier, NE. corner, head.	12° 35.1' S 13° 23.2' E	Fl.R. period 2s fl. 0.2s, ec. 1.8s	15 5	2	Metal column; 10.	
25662 <i>D 5304.2</i>	--SW. corner.	12° 35.1' S 13° 23.2' E	Fl.G. period 2s	15 5	2	Column.	
25664 <i>D 5324</i>	Ponta das Salinas.	12° 50.0' S 12° 56.0' E	Fl.W. period 4s fl. 0.3s, ec. 3.7s	128 39	21	Square tower; 124.	Aeromarine light.
25668 <i>D 5328</i>	Ponta dos Frades.	13° 12.9' S 12° 42.8' E	Oc.(2)W. period 7.5s lt. 2s, ec. 0.5s lt. 2s, ec. 3s	463 141	19	White round tower with 2 dwellings attached; 30.	
25672 <i>D 5336</i>	Cabo de Santa Maria.	13° 25.2' S 12° 31.9' E	Fl.(3)W. period 13s fl. 0.3s, ec. 1.9s fl. 0.3s, ec. 1.9s fl. 0.3s, ec. 8.3s	335 102	17	White square masonry tower and house; 39.	<i>Temporarily extinguished (1984).</i>
25676 <i>D 5346</i>	Cabo de Santa Marta.	13° 52.6' S 12° 25.4' E	Fl.(2)W. period 6s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 4.2s	159 48	12	White hexagonal masonry tower; 46.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ANGOLA							
25680 <i>D 5356</i>	Ponta Grossa.	14° 13.0' S 12° 20.0' E	Fl.(4)W. period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	164 50	16	White square masonry tower; 46.	Aeromarine light.
25684 <i>D 5370</i>	Ponta Piambo	14° 41.3' S 12° 16.8' E	Fl.(3)W. period 10s fl. 0.2s, ec. 1.5s fl. 0.2s, ec. 1.5s fl. 0.2s, ec. 6.4s	177 54	17	Black and white striped square tower; 38.	
BAIA DE MOCAMEDES:							
25688 <i>D 5400</i>	-Ponta do Giraul	15° 08.2' S 12° 06.7' E	Fl.W. period 5s fl. 0.7s, ec. 4.3s	99 30	18	White square tower; 78.	<i>Temporarily extinguished (1984).</i>
25692 <i>D 5404</i>	-Porto Salazar, entrance Range, front.	15° 07.8' S 12° 08.5' E	Iso.R. period 2s	33 10	3	White column on tower.	
25696 <i>D 5404.1</i>	--Rear, about 2.7 km. 037°30' from front.	15° 06.7' S 12° 09.4' E	Iso.R. period 4s	158 48	3	White column on tower.	
25700 <i>D 5418</i>	-Fortaleza de S. Fernando.	15° 11.8' S 12° 08.6' E	Oc.(2)R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	94 29	6	White structure; 13.	Visible 083°-197°.
25704 <i>D 5420</i>	--Quay, N. end.	15° 11.5' S 12° 07.8' E	Fl.G. period 2s fl. 0.2s, ec. 1.8s	15 5	2	Column; 10.	
25708 <i>D 5414</i>	-Ponta Noronha.	15° 11.3' S 12° 07.5' E	Fl.W.G. period 3s fl. 0.3s, ec. 2.7s	128 39	W. 7 G. 6	White masonry tower, black band.	G. 055°-115°, W.-055°. Aero Radiobeacon 3.4 miles ESE.
25712 <i>D 5430</i>	Rio dos Flamengos.	15° 33.8' S 12° 01.9' E	Fl.(3)W. period 15s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 8.5s	361 110	26	Round tower, white and yellow stripes, two white houses attached; 36.	
25716 <i>D 5436</i>	Porto Alexandre, on Ponta do Port.	15° 47.1' S 11° 51.0' E	Oc.(3)W.G. period 9s lt. 3.6s, ec. 1s lt. 1.2s, ec. 1s lt. 1.2s, ec. 1s	36 11	W. 9 G. 7	Tripod on white hut, orange diagonal stripes; 26.	W. 215°-185°, G.-215°. Radar reflector.
25720 <i>D 5442</i>	Ponta Albina.	15° 53.0' S 11° 44.0' E	Fl.(2)W. period 10s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 7.2s	115 35	21	White square tower; 124.	Aeromarine light. Siren: 1 bl. ev. 15s.
BAIA DOS TIGRES:							
25724 <i>D 5460</i>	- Ponta da Marca.	16° 30.9' S 11° 42.8' E	Fl.(3)W. period 11s fl. 0.5s, ec. 1.7s fl. 0.5s, ec. 1.7s fl. 0.5s, ec. 6.1s	49 15	18	White conical tower on piles; 42	Radar reflector.
25728 <i>D 5464</i>	-Leao	16° 35.9' S 11° 43.4' E	Oc.(2)G. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	36 11	6	Gray square metal tower; 33.	
NAMIBIA							
25752 <i>D 5510</i>	Swakopmund.	22° 40.7' S 14° 31.5' E	Fl.(2)W. period 10s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 7.3s	115 35	18	Red tower, white band; 92.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
NAMIBIA							
WALVIS BAY:							
25756 <i>D 5520</i>	-Pelican Point.	22° 53.5' S 14° 26.1' E	Fl.(3)W. period 20s fl. 0.3s, ec. 3.6s fl. 0.3s, ec. 3.6s fl. 0.3s, ec. 11.9s	115 35	22	Black round tower, white bands; 112.	Radiotelephone. Horn: (about 200 yards N.) Mo.(P) ev. 30s (bl. 1.5s, si. 2s, bl. 4s, si. 2s, bl. 4s, si. 2s, bl. 1.5s, si. 13s).
	-RACON		D(— • •) period 72s		12		
25760	<i>-Approach Bell "Spit Bell", 4 km. 020° from Pelican Point.</i>	22° 52.0' S 14° 27.0' E	Q.W.			N. CARDINAL BY, spar, topmark.	Bell. Radar reflector.
25768 <i>D 5522</i>	-Channel Range, front.	22° 57.2' S 14° 29.8' E	Dir.F.R.	65 20	15	On warehouse.	Visible 178°-188°. Shown 24 hours.
25772 <i>D 5522.1</i>	--Rear, 675 meters 183° from front.	22° 57.4' S 14° 29.8' E	Dir.F.W.	102 31	12	Pylon.	Visible 178°-188°. Shown 24 hours.
25776 <i>D 5524</i>	-Transit Range, front.	22° 57.3' S 14° 29.2' E	Iso.W. period 2s	3 1	5	Platform.	Shown 24 hours.
25780 <i>D 5524.1</i>	--Rear, 450 meters 246° from front.	22° 57.3' S 14° 28.9' E	Q.R.	6 2	5	Platform.	Visible 236°-256°. Shown 24 hours.
25784 <i>D 5528</i>	-Tanker berth, N. end.	22° 56.6' S 14° 30.0' E	Fl.(2)R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	20 6	3	Pole.	Fl.(3) R. 15s shown from S. end.
25785 <i>D 5531</i>	Hofmeyer Wharf, NE. corner.	22° 56.9' S 14° 29.9' E	F.G.	16 5			Q.R. and F.R. light are shown on small craft harbor pier to NNE.
25788 <i>D 5600</i>	-Diaz Point.	26° 38.2' S 15° 05.6' E	Fl.W. period 10s fl. 0.3s, ec. 9.7s	174 53	22	White round tower, red band; 92.	Horn: (450 meters NNW.) 1 bl. ev. 20s (bl. 2s, si. 18s).
			F.W.R.	164 50	W. 5 R. 3		W. 200°-230°, R.-290°.
25792 <i>D 5607</i>	-Robert Harbor, entrance Range, front.	26° 37.9' S 15° 09.9' E	Q.W.	56 17			
25796 <i>D 5607.1</i>	-Rear, 250 meters 120° from front.	26° 38.0' S 15° 10.0' E	Fl.R. period 2s	76 23			
25808 <i>D 5606</i>	-Shark Island.	26° 38.1' S 15° 09.2' E	L.Fl.W.R.G. period 10s fl. 2.5s, ec. 7.5s	111 34	8	Metal framework tower; 10.	G. 039°-136°, W.-161°, R.- 180°, obscured elsewhere.
25812 <i>D 5608</i>	-Menai Creek, main pier.	26° 38.5' S 15° 09.3' E	F.G.				F.R. shown from head of timber jetty.
SOUTH AFRICA							
PORT NOLLOTH:							
25824 <i>D 5660</i>	-Range, front.	29° 15.0' S 16° 52.1' E	F.W. or R.	3 1	5		Port signals, R. when bar is closed. On request. Horn: 1 bl. ev. 15s.
25828 <i>D 5660.1</i>	-Carl von Schlick , rear, 50 meters 066° from front.	29° 14.9' S 16° 52.0' E	Fl.(3+1)W. period 24s	56 17	19	Metal framework tower, black and white bands, triangular daymark,; 36.	Bar signals. Signal station.
	-RACON		Z(— • • •) period 72s		12		

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SOUTH AFRICA							
25832 D 5704	Hondeklip Bay.	30° 18.5' S 17° 16.3' E	Fl.(3)W. period 15s fl. 0.1s, ec. 1.8s fl. 0.1s, ec. 1.8s fl. 0.1s, ec. 11.1s	95 29	16	Steel tower, red bands, diamond daymark; 27.	
25836 D 5705	-Hondeklip Bay.	30° 18.9' S 17° 16.6' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	23 7	9	Iron column on white square concrete structure; 9.	Visible 093°-099°.
25838 D 5720	Groenriviermond.	30° 51.9' S 17° 34.8' E	Fl.W. period 5s fl. 0.3s, ec. 4.7s	89 27	26	Yellow round concrete tower, black band; 56.	
25840 D 5734	Doringbaai.	31° 49.0' S 18° 13.9' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	118 36	25	Round concrete tower, black band; 79.	
25844 D 5770	Lambert's Bay, E. breakwater head.	32° 05.1' S 18° 18.3' E	Fl.W. period 2s	43 13	13	White concrete tower.	
25848 D 5773	-Random Mole, inner breakwater, head.	32° 05.3' S 18° 18.4' E	L.Fl.R. period 10s	20 6	10		
25852 D 5772		32° 05.4' S 18° 18.3' E	Dir.F.W.R.G.	16 5	3	White tower.	G. 183°, W. 186°, R. 189°.
25860 D 5774	-Channel, on concrete pier about 389 meters 175° from breakwater.	32° 05.4' S 18° 18.3' E	Q.R.		4	White concrete tower.	
GROOTBERGRIVIER:							
25864 D 5790	-Berg River, entrance, W. breakwater, head.	32° 46.1' S 18° 08.6' E	Fl.W. period 2s	30 9	7		
25868 D 5791	--S. head.	32° 46.3' S 18° 08.7' E	Fl.G. period 2s		3		
25872 D 5792	-E. breakwater, head.	32° 46.1' S 18° 08.7' E	Fl.R. period 2s		3		
25874 D 5792.2	--Inner E. breakwater, head.	32° 46.2' S 18° 08.7' E	F.R.		3		
	--RACON		B(- • • •)		12		
25876 D 5794	St. Helenabaai, Sandy Point, jetty, head.	32° 44.5' S 18° 01.3' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	20 6	5		
25880 D 5798	Stompneus Punte, Cape St. Martin, N. side.	32° 42.2' S 17° 59.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	36 11	10	Square white brick structure, white lantern, green dome; 26.	
25884 D 5801	Cape St. Martin.	32° 42.9' S 17° 55.3' E	Fl.W.R. period 10s	56 17	W. 22 R. 19	Lattice mast with cone daymark, point down.	R. 095°-130° (over Britannia Reef), W.-095°.
25888 D 5803	Seal Island.	32° 44.3' S 17° 52.3' E	Fl.(2)W. period 5s fl. 0.3s, ec. 1s fl. 0.3s, ec. 3.4s	33 10	6	Mast topped by crow's nest; 20.	
	RACON		X(- • • -)				
25892 D 5810	Cape Columbine.	32° 49.6' S 17° 51.5' E	Fl.W. period 15s fl. 0.2s, ec. 14.8s	262 80	30	White square concrete tower; 50.	Nauphone: 1 bl. ev. 60s.
25896 D 5830	Saldanhaabai.	33° 03.0' S 17° 54.7' E	Fl.(3)W. period 20s fl. 0.3s, ec. 3s fl. 0.3s, ec. 3s fl. 0.3s, ec. 13.1s	112 34	23	Aluminum lattice tower, rectangular daymark; 70.	
25900 D 5834	-Marcus Island, S. side.	33° 02.7' S 17° 58.2' E	Fl.(2)W. period 10s	56 17	10	Framework tower.	F.R. marks radio mast 8 miles NE.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SOUTH AFRICA							
25902 <i>D 5836</i>	-Small craft harbor, breakwater, head.	33° 01.4' S 17° 57.6' E	Fl.W. period 2s				
25904 <i>D 5838</i>	-Jetty, head.	33° 01.2' S 17° 57.2' E	Q.W.	16 5	3		F.R. on mast 750 meters W.
25908 <i>D 5840</i>	-Slipway jetty, head.	33° 01.2' S 17° 57.0' E	Q.R.	20 6	3		
25916 <i>D 5847</i>	-Ore jetty Range, front.	33° 02.4' S 17° 58.4' E	F.W.		12	Pole.	Occasional.
25920 <i>D 5847.1</i>	--Rear, about 1060 meters 056° from front, jetty, head.	33° 02.1' S 17° 59.0' E	F.W.	46 14	12	Framework tower, green strip; 36.	Horn: 1 bl. ev. 20s.
			F.G.	43 13	12		
25925 <i>D 5843</i>	-Multipurpose quay, head.	33° 00.1' S 17° 59.6' E	Fl.(2)G. period 6s	16 5	3		
25932 <i>D 5841.1</i>	-Ore Concentrates, pier, NW. corner.	33° 00.7' S 17° 59.4' E	F.G.				
25936 <i>D 5833</i>	-Elandspunt.	33° 04.1' S 17° 58.5' E	Fl.W. period 5s	112 34	9	Metal framework tower.	
25940 <i>D 5832</i>	-Entrance Range, front.	33° 02.8' S 18° 02.6' E	Q.W.	89 27	9	Lattice tower; 39.	Also shown by day.
25944 <i>D 5832.1</i>	--Rear, 800 meters 080° from front.	33° 02.8' S 18° 03.2' E	Iso.W. period 6s	151 46	12	Lattice tower; 116.	Also shown by day.
25945 <i>D 5848</i>	-Club Mykonos, W. breakwater, head.	33° 02.9' S 18° 02.4' E	Fl.R. period 2s	23 7	6	White concrete structure; 10.	
25945.5 <i>D 5849</i>	--E. breakwater, head.	33° 02.8' S 18° 02.4' E	Fl.G. period 2s	20 6	6	White concrete structure; 10.	
25948 <i>D 5831</i>	-S. head.	33° 06.3' S 17° 57.3' E	Fl.(4)W. period 30s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 14.5s	115 35	24	Yellow and white round concrete tower, yellow lantern; 75.	Radar reflector.
25956 <i>D 5860</i>	Dassen Island.	33° 25.8' S 18° 05.5' E	Fl.(2)W. period 30s fl. 0.3s, ec. 9.7s fl. 0.3s, ec. 19.7s	154 47	26	White round metal tower, red bands, and dwelling; 92.	Radiotelephone. Horn: 1 bl. ev. 15s (bl. 5s, si. 10s). Sounded only when fog approaches within 3 miles of island or on request by radio to Port Captain, Cape Town.
25960 <i>D 5867</i>	Koeberg, N. breakwater.	33° 40.6' S 18° 25.4' E	Fl.Y. period 4s fl. 0.3s, ec. 3.7s	33 10	5	Mast.	Private.
25964 <i>D 5867.1</i>	-S. breakwater.	33° 40.8' S 18° 25.2' E	Fl.Y. period 3s fl. 0.3s, ec. 2.7s	39 12	5	Mast.	Private.
25968 <i>D 5870</i>	Robben Island.	33° 48.9' S 18° 22.5' E	Oc.W.R. period 7s lt. 5s, ec. 2s	154 47	W. 24 R. 12	White round tower, black stripe on E. side; 59.	R. 340°-351°, W.-340°. Horn: (W. extremity of island) 2 bl. ev. 30s. Sounded only when fog approaches within 3 miles, otherwise on request by radio to Port Captain, Cape Town.
25972 <i>D 5880</i>	-Murrays Bay, S. breakwater, head.	33° 47.9' S 18° 22.7' E	Q.(2)R. period 5s fl. 0.3s, ec. 0.7s fl. 0.3s, ec. 3.7s	23 7	5	Red pole; 10.	
25973 <i>D 5880.5</i>	--N. breakwater, head.	33° 47.9' S 18° 22.7' E	Q.(2)G. period 5s fl. 0.3s, ec. 0.7s fl. 0.3s, ec. 3.7s	23 7	5	Green pole; 10.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SOUTH AFRICA							
25974	Fairway buoy.	33° 51.9' S 18° 25.7' E	Iso.W.			SAFE WATER RW, pillar, topmark.	
	RACON		NW(— • — —)		12		
	TABLE BAY:						
25976 D 5910	-Milnerton.	33° 52.9' S 18° 29.3' E	Fl.(3)W. period 20s fl. 0.3s, ec. 3.7s fl. 0.3s, ec. 3.7s fl. 0.3s, ec. 11.7s	89 27	25	White concrete tower; 70.	F.R. light on chimney 4.0 miles SSE. F.R. lights on radio masts 1.2 miles ENE.
			F.R.	79 24	11	Same structure.	Visible 114°-139°.
25980 D 5900	-Green Point.	33° 54.1' S 18° 24.0' E	Fl.W. period 10s	62 19	25	White square tower, red diagonal bands, and red dome; 52.	Visible shore-255°. Horn: 1 bl. ev. 30s.
25984 D 5903	-Granger Bay, Mouille Point, jetty, head.	33° 53.9' S 18° 24.9' E	Q.G.	26 8	5	White pole, green bands.	
25986 D 5905	--S. breakwater, head.	33° 54.0' S 18° 24.9' E	Q.R.	20 6	5	White pole, red bands.	
	CAPE TOWN:						
25988 D 5930	-Breakwater, head.	33° 53.9' S 18° 26.1' E	Fl.G. period 2s fl. 0.5s, ec. 1.5s	44 13	5	Metal framework tower.	Horn: Mo.(G) ev. 30s (bl. 5s, si. 2s, bl. 5s, si. 2s, bl. 2s, si. 14s).
	-Victoria Basin:						
25992 D 5934	--N. side of entrance.	33° 54.1' S 18° 25.6' E	F.G. (neon)	20 6		Framework tower on concrete column.	
25996 D 5934.2	--S. side of entrance.	33° 54.2' S 18° 25.7' E	F.R. (neon)	20 6	6	Framework tower on concrete column.	
	-Ben Shoeman Dock:						
26000 D 5935	--Entrance Range, front.	33° 55.1' S 18° 27.3' E	Fl.R. period 4s fl. 1s, ec. 3s	118 36		Framework tower.	
26004 D 5935.1	---Rear, 285 meters 131°30' from front.	33° 55.2' S 18° 27.5' E	Iso.W. period 4s	154 47		Framework tower.	
26008 D 5936	--Channel Range, front.	33° 55.1' S 18° 27.3' E	F.R.	118 36		Framework tower.	
26012 D 5936.1	---Rear, 315 meters 131°30' from front.	33° 55.2' S 18° 27.5' E	F.W.	154 47		Framework tower	
	-Schoeman Dock:						
26016 D 5937	--N. wall, head.	33° 54.2' S 18° 26.4' E	Fl.R. period 2s				
26020 D 5938	-N. side of entrance.	33° 54.2' S 18° 26.4' E	F.R.			Mast on concrete column.	F.R. neon strip, over F.R. horizontal strip directional along entrance channel.
26024 D 5938.4	-S. side of entrance.	33° 54.4' S 18° 26.3' E	F.G.			Mast on concrete column.	F.G. neon strip, over F.G. horizontal strip directional along entrance channel
26028 D 5939	-Ro-Ro Jetty, head.	33° 55.0' S 18° 27.0' E	Q.Y.	30 9	5		
	-Duncan Dock:						
26032 D 5940	--N. mole, spur jetty, head.	33° 54.3' S 18° 26.2' E	Fl.G. (neon) period 2s				

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SOUTH AFRICA							
26036 <i>D 5942</i>	--N. Mole, head.	33° 54.4' S 18° 26.2' E	F.G. (neon)		23 7	11	
26040 <i>D 5943</i>	--E. mole, head.	33° 54.5' S 18° 26.0' E	F.R. (neon)		23 7	9	
26044 <i>D 5953</i>	-Lay-Up Basin, W. mole, head.	33° 55.0' S 18° 27.0' E	F.G. (neon)		16 5	5	Concrete column.
26048 <i>D 5954</i>	--E. mole, head.	33° 55.1' S 18° 27.0' E	F.R. (neon)		16 5	5	Concrete column.
26049 <i>D 5929</i>	--Entrance Range, front.	33° 54.9' S 18° 25.9' E	Q.R.		138 42	13	Gray mast.
26049.1 <i>D 5929.1</i>	--Rear, 710 meters 198°30' from front.	33° 55.3' S 18° 25.8' E	Oc.W. period 3s lt. 2.8s, ec. 0.2s		256 78	19	On building.
26050 <i>D 5958</i>	--Landing wharf.	33° 54.8' S 18° 26.5' E	Q.Y.				
26051 <i>D 5960</i>	--Repair pier, head.	33° 54.9' S 18° 26.4' E	F.Y.				
26056 <i>D 6000</i>	Houtbaai, S. breakwater, head.	34° 03.1' S 18° 21.1' E	Fl.W. period 3s		16 5	4	Orange hut. Q.R. lights are shown near summit of Constantiaberg 1.8 miles 097°.
26060 <i>D 6002</i>	-N. breakwater.	34° 03.0' S 18° 21.0' E	Fl.G. period 2s		20 6	2	Orange hut.
26064 <i>D 6110</i>	Siangkoppunt.	34° 09.0' S 18° 19.2' E	Fl.(4)W. period 30s fl. 0.6s, ec. 3.9s fl. 0.6s, ec. 3.9s fl. 0.6s, ec. 3.9s fl. 0.6s, ec. 15.9s		131 40	30	White round tower; 108.
SOUTH ATLANTIC ISLANDS							
ASCENSION ISLAND (U.K.):							
-Clarence Bay							
26072 <i>D 4800</i>	--Entrance Range, front.	7° 55.7' S 14° 24.7' W	F.G.		90 27	5	White concrete pillar, two black bands; 15. Shown only when vessels are seen approaching the bay. Q.R., 2 F.R. (vert.) on white radio mast 1.1M S.
26076 <i>D 4800.1</i>	--Rear, 61 meters 140° from front.	7° 55.6' S 14° 24.5' W	F.G.		115 35	5	White concrete pillar, two black bands; 15. Shown when vessels are approaching the bay.
26080 <i>D 4804</i>	--Harbor Range, front.	7° 54.6' S 14° 24.3' W	F.W.		152 46		White mast, red bands; 60. F.R. on radio mast 930 meters NNE.
26084 <i>D 4804.1</i>	---Rear, about 37 meters 050° from front.	7° 54.4' S 12° 24.2' W	F.W.		182 55		White mast, red bands; 90. Radar building marked by W.R. lights 45 meters NE.
26092 <i>D 4812</i>	--Near Zymotic Hospital.	7° 55.9' S 14° 25.1' W	F.R.		70 21	4	White concrete pillar, red diagonal stripe; 16.
ST. HELENA (U.K.):							
-James Bay:							
26100 <i>D 4904</i>	--Entrance Range, front.	15° 55.5' S 5° 43.2' W	Fl.G. period 3s		469 143	3	White triangular beacon; 6.
26104 <i>D 4904.1</i>	--Rear, about 98 meters 172° from front.	15° 55.6' S 5° 43.2' W	Iso.G. period 8s		558 170	3	White triangular beacon; 6.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SOUTH ATLANTIC ISLANDS							
26108 <i>D 4906</i>	-Beacon.	15° 55.0' S 5° 43.0' W	Fl.(2)R. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 8s	82 25	3	Mast, NW. corner of building, white triangle, point up.	Visible 097°-241°.
26112 <i>D 4908</i>	-Buttermilk Point.	15° 54.2' S 5° 42.4' W	Fl.(2)W. period 10s	120 37	10		Visible 053°-233° (180°).

Section 18

Radiobeacons

(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
ITALY							
660	Augusta Light Station, Sicilia	37° 13.0' N 15° 13.6' E	AT (• - -).	180	V, VI	294 A1A.	
670	Capo San Vito Light Station	40° 24.6' N 17° 12.3' E	TN (- - •).	100		311 A1A.	
680	Capo Santa Maria de Leuca Light Station	39° 47.7' N 18° 22.2' E	MC (- - - • - •).	130	I, II	287.5 A1A.	
690	Vieste Light Station	41° 53.3' N 16° 11.1' E	VS (• • • - - • • •).	130	III, IV	299.5 A1A.	
700	Punta della Penna Light Station	42° 10.0' N 14° 42.5' E	TL (- • - • •).	180	I, II	314.5 A1A.	
710	San Benedetto del Tronto Light Station	42° 57.5' N 13° 53.0' E	CI (- • - • • •).	180	III, IV	309 A1A.	
CROATIA							
760	Rijeka Calibration Radiobeacon	43° 56.0' N 14° 32.0' E				312.6 A1A.	Transmits on request to Rijeka (9AR) Coast Radio Station.
790	Split Calibration Radiobeacon	43° 30.0' N 16° 27.6' E				312.6 A1A.	Transmits on request to Split (9AS) Coast Radio Station.
800	Dubrovnik	42° 40.0' N 18° 02.0' E	KLP (- • - • • • • - - •).	25		318 A2A.	AERO.
810	Dubrovnik Calibration Radiobeacon	42° 38.0' N 18° 06.0' E				410 A1A.	Transmits on request to Dubrovnik (9AD) Coast Radio Station.
840	Bar Calibration Radiobeacon	42° 04.0' N 19° 10.0' E				410.5 A1A.	Transmits on request to Bar (YUW) on VHF Ch 16.
MALTA							
850	Valletta Calibration Radiobeacon	35° 53.9' N 14° 31.7' E				310 NON.	Transmits on request to Commercial and Sales Manager, Malta Drydocks. 4 hour notice required. Yellow light shown during transmission.
860	Gozo	36° 02.2' N 14° 12.4' E	GZO (- - • - - • • - - -).	92		320 NON, A2A.	AERO.
GREECE							
880	Kos	36° 47.8' N 27° 05.5' E	KOS (- • - - - - • • •).	50		311.5 A2A.	AERO.
890	Thira	36° 23.9' N 25° 28.8' E	THR (- • • • • • • - •).	80		307 A2A.	AERO.
900	Sounion	37° 40.1' N 24° 02.7' E	SUN (• • • • • • - •).	50		319 A2A.	AERO.
910	Karystos	38° 00.8' N 24° 25.0' E	KRS (- • - • • • • • •).	50		285 A2A.	AERO.

(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
UKRAINE							
1010	Mys Yevpatoriyskiy Light Station	45° 09.0' N 33° 16.2' E	EYa (• • - • -).	150	I	309.5 A1A.	
1070	Mys Aytodorskiy Light Station	44° 25.6' N 34° 07.5' E	AT (• - -).	150	I	312.5 A1A.	
1100	Mys Doobskiy Light Station, Russia	44° 37.5' N 37° 54.6' E	DB (- • • - • • •).	150	IV	312.5 A1A.	
1110	Mys Zheleznyy Rog Light Station, Russia	45° 06.8' N 36° 44.4' E	VR (• • • - • - •).	100	V	312.5 A1A.	
1120	Mys Anapskiy Light Station, Russia	44° 53.3' N 37° 18.0' E	AP (• - • - - •).	150	VI	312.5 A1A.	
1130	Yenikal'skiy Light Station	45° 23.1' N 36° 38.4' E	EN (• - •).	150	I	300.5 A2A.	
1140	Belosarayskiy Light Station	46° 52.9' N 37° 19.6' E	BS (- • • • • • •).	150	III	300.5 A2A.	
1150	Berdyanskiy Nizhniy Light Station	46° 38.1' N 36° 45.7' E	NB (- • - • • •).	150	IV	300.5 A2A.	
1160	Temryukskiy Light Station, Russia	45° 19.8' N 36° 14.0' E	TK (- - • - •).	150	V	300.5 A2A.	
GEORGIA							
1210	Mys Kodoshskiy Light Station, Russia	44° 05.9' N 39° 02.4' E	KD (- • - - • • •).	150	V	297.5 A2A.	
TURKEY							
1250	Finike	36° 16.7' N 30° 09.2' E	FR (• • - • • - • •).	300		303.4 A2A.	Transmits continuously during periods of low visibility. During periods of clear weather transmits on the hour and half-hour.
SYRIA - ISRAEL							
1270	Banias, Syria	35° 13.7' N 35° 57.6' E	BAN (- • • • • • - •).	130		304 A2A.	Aeromarine.
1290	Haifa (Mount Carmel) Light Station, Israel	32° 49.7' N 34° 58.1' E	HA (• • • • • • -).	80		287.3 A2A.	
EGYPT							
1300	Port Said Light Station	31° 16.3' N 32° 17.2' E	PS (• - - • • • •).	50		310.5	
1310	Damietta Mouth East Light Station	31° 31.4' N 31° 50.8' E	DA (- • • • • -).	150		310.5	
1320	Burullus Light Station	31° 35.9' N 31° 04.7' E	BR (- • • • • • - •).	50		310.5	
1330	Rosetta	31° 26.5' N 30° 25.8' E	RO (• - • - - -).	50		303.5	
1340	Great Pass Low Light Station	31° 09.3' N 29° 50.8' E	AL (• - • - • • •).	150		303.5	
1350	Ras el Shaiq Light Station	30° 57.2' N 28° 49.7' E	HQ (• • • • • - - • -).	50		303.5	

(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
LIBYA							
1360	Es Sider	30° 37.6' N 18° 21.1' E	OJ (--- •---).	80		300 NON, A2A.	AERO.
1370	Tarabulus	32° 54.0' N 13° 12.4' E	TRI (- ••• ••).	20		288 A2A.	
TUNISIA							
1380	El Attaia	34° 44.3' N 11° 17.8' E	KR (-•- •-•).	100		298.5 A1A.	
1390	Cap Bon	37° 04.4' N 11° 03.0' E	BN (-••• -•).	200		296.5 A1A.	
1400	Cap Blanc	37° 19.8' N 9° 50.1' E	BC (-••• -•-•).	100		309.5 A1A.	Aeromarine.
AZORES							
1540	Flores	39° 27.0' N 31° 10.0' W	FLO (••-• •-•• ---).	250		270 NON, A2A.	AERO.
1550	Graciosa	39° 05.8' N 28° 00.9' W	GRA (--• •-• •-).	100		283 NON, A2A.	AERO.
1560	Lajes	38° 47.0' N 27° 07.0' W	GP (--• •-••).	50		341 A2A.	AERO.
1570	Santa Maria	37° 00.0' N 25° 11.0' W	SMA (••• -- •-).	300		323 NON, A2A.	AERO.
CAPE VERDE							
1640	Monte Verde, Ilha de Sao Vicente	16° 52.0' N 24° 56.0' W	VE (•••- •).	100		308 A2A.	
1650	Sal	16° 42.0' N 22° 57.0' W	SAL (••• •- •-••).	350		274 A1A.	AERO.
AFRICA - WEST COAST							
1680	Nouakchott, Mauritania	18° 05.0' N 15° 58.0' W	KC (-•- -•-•).	100		297 A1A.	AERO.
1690	Saint Louis, Senegal	16° 03.0' N 16° 27.3' W	SLO (••• •-•• ---).	45		355 A1A.	AERO.
1700	Dakar, Senegal	14° 42.9' N 17° 28.6' W	SDS (••• -•• •••).	170		323 A1A.	AERO.
1710	Kamsar, Guinea	10° 40.0' N 14° 36.0' W	KAM (-•- •- --).	150		308 A1A.	AERO.
1720	Koundinde Light Station, Guinea	10° 15.0' N 14° 26.0' W	KD (-•- -••).	100		305 A1A.	
1730	Freetown (Aberdeen Hill), Sierra Leone	8° 29.9' N 13° 17.3' W	FF (••-• •-••).	100		296.5	
1750	Sassandra, Ivory Coast	4° 56.0' N 6° 08.2' W	SS (••• •••).	100		290 A1A.	AERO.
1760	Port Bouet Light Station, Ivory Coast	5° 14.7' N 3° 57.4' W	PB (•--• -•••).	100		294.2 A2A.	Aeromarine.

(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
AFRICA - WEST COAST							
1770	Takoradi, Ghana	4° 54.1' N 1° 45.0' W	TI (- • •).	90		375 NON, A2A.	AERO.
1780	Cotonou, Benin	6° 22.2' N 2° 24.5' E	CO (- • • • - - -).	155		284 A1A.	AERO.
1790	Escravos, Nigeria	5° 36.6' N 5° 11.2' E	ES (• • • •).			305 A1A.	AERO.
1800	Malabo, Bioko, Equatorial Guinea	3° 46.2' N 8° 43.5' E	BL (- • • • • • - • • •).	50		310 A1A.	AERO.
1810	Bata, Equatorial Guinea	1° 51.6' N 9° 46.2' E	BT (- • • • • -).			325 A1A.	AERO.
1830	Port Gentil, Gabon	0° 41.6' S 8° 45.7' E	PG (• - - • • - - •).	100		367 A1A.	AERO.
1835	Gamba Oil Terminal, Gabon	2° 48.4' S 10° 04.8' E	GZ (- - • • - - • • •).	100		359 A1A.	AERO.
1840	Pointe Noire, Congo	4° 50.0' S 11° 53.0' E	PNR (• - - • • - • • - • •).	80		323 A1A.	AERO.
1850	Ascension Island	7° 56.7' S 14° 24.8' W	ASN (• - • • • - •).			360 NON, A2A.	AERO.
ANGOLA							
1860	Cabinda	5° 37.0' S 12° 12.0' E	CA (- • - • • - •).	100		280 NON, A2A.	AERO.
1870	Soyo	6° 08.3' S 12° 22.4' E	SZ (• • • • - - • • •).	75		310 NON, A1A.	AERO.
1880	N'gunza	11° 10.3' S 13° 51.0' E	NR (- • • - • •).	50		320 NON, A2A.	AERO.
1890	Mocamedes	15° 11.0' S 12° 11.0' E	MO (- - - - -).	50		358 A2A.	AERO.

Section 19

Differential GPS Stations

(1) No.	(2) Name	(3) Position	(4) Station ID	(5) Range	(6) Frequency	(7) Transfer Rate	(8) Remarks
EGYPT							
1300	Alexandria	31° 09.2' N 29° 50.8' E	T 320 R 440 R 441	150	284		
1310	Port Said	31° 16.4' N 32° 17.5' E	T 321 R 442 R 443	126	290		
1320	Mersa Matrouh	31° 21.5' N 27° 14.8' E	T 324 R 448 R 449	150	307		

INDEX – LIGHTS

A

Aber Ildut	52	Akra Ayiou Nikolaou	14648	Akra Maleas	15044
ABIDJAN	24802	Akra Dana	15228	Akra Mavrokavos	15188
Abu Qir	21330	Akra Dhermatas	16560	Akra Melangavi	14844
Acciaroli	9640	Akra Dhik Halia	14684	Akra Mikro Emvolon	16596
Achuyev	18904	Akra Dhoukaton	14572	Akra Milon (Koum)	20408
Acicastello	10428	Akra Dhrapanon	16036, 20072	Akra Mitika	14600
Ada Burnu	17156	Akra Dhrepanon	14876, 16384	Akra Mnima	16336
Adasi	20592	Akra Eliar	14580	Akra Molivos	19740
Adatepe Burnu-Bademli	19808	Akra Epanomi	16568	Akra Monemvasia	15092
Adra	4424	Akra Ergastiria	15616	Akra Mornos	14796
Adrasan Limani	20624	Akra Fassa	15672	Akra Mourtzeffios	16916
Adzhigiol'skay Kosy	18080	Akra Filatouri	15476	Akra Mouzaki	15192
Adzhigol'skiy	18068	Akra Fiskardhon	14672	Akra Neokastron	14912
Ag. Ermioni	19910	Akra Floudha	20308	Akra Pagona	16648
AGADIR	23244	Akra Fonias	15612, 20040	Akra Paliourian	16644
Agios Andreas	16266	Akra Gatos	20036	Akra Palli	20304
Agios Fokas	15824	Akra Gatto	20120	Akra Palos	20280
AGIP	11368	Akra Geranos	20104	Akra Panayia	14556
Agroinvest	16406	Akra Gourouni	16480	Akra Panayias	15136
Agropoli	9632	Akra Gria	15676	Akra Pangosi	20028
Aguilas	4524	Akra Ilias	20096	Akra Papadhia	16660
Agva	19676	Akra Kafirevs	16424	Akra Pappas	20068
Ahirkapi Burnu (Istanbul)	17340	Akra Kaloterousa	15884	Akra Pedhi (Filonika)	20468
Aigial	15985	Akra Kapri	14696	Akra Pelekoudha	15912
Aiyina	15256	Akra Kassandra	16640	Akra Perama	16316
AJACCIO	8008	Akra Kastellos	20366	Akra Petalidhi	14952
Ajim	21784	Akra Kastri	15212, 15656	Akra Pinnes	16692
Akantia	20434	Akra Kastron	15080	Akra Pisaetou	14644
Akbuk-Panayir Adasi	20162	Akra Katakolon	14892	Akra Plaka	16172
Akhail Kindgi	19232	Akra Katelios	14700	Akra Plakakia	15252
Akhladhi	15714	Akra Katsouni	20136	Akra Poulari	20320
Akhtopol	17540	Akra Kavoulia (Trikeri)	16528	Akra Prasonisi	20388
Akko (Acre)	21204	Akra Kefali	14588	Akra Prinos	16784
Ak-Liman	19528	Akra Kefalos	15648	Akra Psaromita	14396
Akra (Dhrepanon)	16668	Akra Keos	15384	Akra Rion	14788
Akra Achpas	16788	Akra Keramotis	16764	Akra Rousa	20196
Akra Agios Stefanos	20572	Akra Kerion	14740	Akra Sambatikis	15120
Akra Akheradha	16572	Akra Khiliomili	16388	Akra Sarakini	14692
Akra Akra	14512	Akra Khondri Miti	14544	Akra Sarakiniko	16442
Akra Akra	16696	Akra Kinosoura	15388	Akra Saratsina	19736
Akra Akrotiri	16848	Akra Kitries	14968	Akra Sesklo	16544
Akra Amfiali (Ormos Skaramanga)	15468	Akra Knimis	16376	Akra Sidhero	14430
Akra Ammodhis	16760	Akra Kokhi	15324	Akra Sidheros	16160
Akra Ammoglossa	20244	Akra Kokkala	15776	Akra Sippias	16520
Akra Andirion	14784	Akra Kolona	15664	Akra Sousaki	15320
Akra Andromakhi	14812	Akra Kondoyiannis	15724	Akra Spathi	16750
Akra Anemomilos	14432	Akra Koprainis	14536	Akra Stalamata	16344
Akra Angistro	20140	Akra Korakas	15164, 15836, 19752	Akra Stavros	15236, 15876
Akra Apolitaes	15076	Akra Korax	15996	Akra Stavros Babouras	16792
Akra Araxos	14744	Akra Kosma	15578	Akra Tainaron	14992
Akra Arilla	14452	Akra Kosteri	14448	Akra Tamelos	15624
Akra Arkitsa	16360	Akra Koutsoumba	20472	Akra Telion	16472
Akra Armenistis	15804	Akra Kratzi	15848	Akra Theofalos	16188
Akra Armenistis (Strephoni)	20080	Akra Krioneri	14728	Akra Tourlos	15268
Akra Artemision	16516	Akra Langadhia	15984	Akra Trakhilas	20064
Akra Aspri	20092	Akra Laskara	14524	Akra Trimeson	15704
Akra Aspro Khorti	15112	Akra Latomion	16448	Akra Tripiti	14884, 16928
Akra Astros	15124	Akra Levkimnis	14436	Akra Vamvakia	16140
Akra Aviaki	20360	Akra Likoporia	14868	Akra Vasilinas	16408
Akra Ayios Dhomenikos	20052	Akra Livadha	15744	Akra Velani	16256
Akra Ayios Fokas	20264	Akra Livadhies	14948	Akra Vinglostasi	15716
Akra Ayios Ioannis	16124	Akra Louros	20260	Akra Vrisaki	15620
Akra Ayios Yeoryios	20352	Akra Maistros	15788	Akra Xilis	15020
Akra Ayios Yeoryiou	19900	Akra Makria	20466	Akra Yerogombos	14720
Akra Ayiou Ioannou	14668	Akra Makri-Nicolaos	14828	Akra Zourvas	15216
		Akra Malaki	20060	Akra Zovollo	15040
		Akra Malea (Aghrilios)	19772	Akras Karas	15336

INDEX – LIGHTS

Akrotiri	20860
Aksaz	20509
Al Batrun	21076
Al Dukhaylah	21416
AL ISKANDARIYAH (ALEXANDRIA)	21332
Al Jazirah al Mussattahah	22056
Al Khums	21636
Al Ladhigiyah	21004
Al Mahdiyyah	21904
Al Maks	21360
Al Munastir	21932
Al Qalb	21632
AL SKHIRRA	21828
Alacat	19988
Alanya	20656
Alassio	7364
Albufeira	3692
Aldan	2900
Alerimar	4432
Alexandroupolis	16836
Alfanzina	3684
ALGAMECA GRANDE	4552
ALGER (ALGIERS)	22376
Alghero	8300
Aliaga Limani Burun	19824
ALICANTE	4676
Alobi Br	20492
Altea	4728
Altin Yunus	19974
Alushta	18356
Alyki	14836
AMALFI	9592
Amasra	19576
AMBAS BAY	25088
Ambrizete	25564
Ametlla del Mar	5612
Amfilochia	14542
Ampuriabrava	5960
AMVRAKIKOS KOLPOS	14524
Anadolu	17508
Anadolu Karaburun	19688
Anaklia	19256
Anamur Burnu	20664
ANAPA	18944
Anavros	16554
ANCONA	11216
Andiparos	15821
Anfa (Cazes)	23136
Anfan	21068
Angeiras	3224
Angra do Heroismo	23544
Anit (Morto) Limani	16976
ANNABA (BONE)	22176
Anse de Laurons	6528
Antalya	20640
Antan	25226
Antemurale Colombo	9140
Antemurale Thaon de Revel	9464
ANZIO	9192
Aoimbakadhartiriou	20412
Apollonia	21488
APPROACHES TO SIBENIK	13144
Apulia	3132
Arab el Melek	21018
Arakli Burnu	19384
Arceau	1008
Arco Felice	9388

Arenzano	7516
Argeles-sur-Mer	6060
Arghir	21760
ARGOLIKOS KOLPOS	15116
Argostolion	14712
Arkhipo-Osipovka	19090
Ar-Men	248
Arminza	1896
Arnavut Burnu	17208
Arnavutkoý	17408
ARQUIPELAGO DOS BIJAGOS	24556
Arsenal do Alfeite	3480
Ars-en-Re	1280
Aryironisos	16420
As Sarafand	21188
As Sidrah	21615.5
ASCENSION ISLAND (U.K.)	26072
Ashdod	21260
ASILAH (ARZILA)	22904
Aslan Burnu	19838
Asmali (Fener Adasi)	17152
Aspretto	8024
Aspros Kavos	16892
Atragues de Aljibes	4204
AUDIERNE	288
AUGUSTA	10320
Augusta	10337
Aviles	2240
Ayancik	19536
Aydinbey Yarimadasi	17294
Aydinçik Burnu	16940
Aydinli Limani	17295
Ayias Aikaterinis	15692
Ayios Andonios	20272
Ayios Andreas.	14768
Ayios Galinis	16204
Ayios Kharalambos	16832
Ayios Kiriake	20152
Ayios Nikolaos	14726, 20416
Ayvalik	19792
Ayvalik Limani	19796
AZ ZAHIRANI	21152
Az Zirah	21140
Azeffoun	22344
Azot Sanayi	19472
Azurara	3196

B

BA Approach Buoy	1592
Baba Adasi	20520
Baba Burnu	19696, 20648
Badija	13848
Bafra Burnu	19496
Bafu Bay	24748
Bagnoli	9404
Bahia Angra	23540
BAHIA DE ANGRA DE CINTRA	24320
BAHIA DE CORISCO	25288
Bahia De Luba	25144
Bahia de Riaba	25164
BAHIA DE ROSAS	5972
Baia	9384
Baia da Palmeira	24148
BAIA DE BENGUELA	25648
BAIA DE LAGOS	3624
BAIA DE LUANDA	25576

BAIA DE MOCAMEDES	25688
Baia dei Carbonara	8544
BAIA DI MUGGIA	11776
Baia dis Panagia	10276
BAIA DO LOBITO	25640
BAIA DOS TIGRES	25724
BAIE D'AI HOCEIMA	22788
BAIE DE BOURGNEUF	1032
BAIE DE DOUARNENEZ	208
BAIE DE POINTE NOIRE	25452
Baie de Pouldohan	496
BAIE DE ST.-JEAN-DE-LUZ	1680
BAIE DE TAKOUCH	22216
BAIE DE TANGER	22872
BAIE DES ANGES	7160
BAIE DU LEVRIER	24344
Bais Caddinas	8656
Baixos de Rio Grande	24506
Bajo Camouco	2840
Bajo den Pou	4776
Bajo Golfeira	2824
Bajo La Loba	2748
Bajo Llagareos de Tierra	2760
Bajo Lobeira de Cambodas	2812
Bajo Pereira (Llosa)	5920
Bajo Picamillo	2844
Bajo Piedra Seca	2752
Bajo Pomberirino	2740
Bajo Praguero	2820
Bajo Salmédina	3882
Bajo Sinal de Ostreira	2776
Bajo Tofino	2956
Bakarac	12360
Bakarski Zaliv	12344
Bakla Burnu	16948
Balcik	17646
Baleeira	3622
Balikci Adasi	17300
Balise de Ras Djilja	21852
Balise des Capitaines	25372
Baliza de la Muralla	5212
Balkun	13372
Balta Limani	17424
Baluarte	3820
Balyos Burnu	17164
Bambora	19200
BANANA ISLANDS	24692
Banc de la Cassidaigne	6704
Banc de Sourdaras	6656
Banchina Campagnia Rona	9148
Banchina del Carbone	8444
Bandirma Korfezi	17172
Banghazi	21508
BANIYAS	21020
Banja	12184
Banjul Point	24465
Banyuls	6012
BANZART (BIZERTE)	22068
Barbate	4084
BARCELONA	5760
Bardiyah (Bardia)	21432
BARLETTA	10984
Barra Faro-Olhao	3728
Barra Point	24464
BARSKO SIDRISTA	14260
Base de Puntales	4008
Basin Malecon de San Felipe	3960

INDEX – LIGHTS

Baska	12476
Basse Bertrand	788
Basse du Martroger	1092
Basse Vielle	208
Bassin de Capucins	6724
Bassin de l'Agha	22408
Bassin des Caboteurs	6484
BASTIA	8112
Bata	25256
Bateria de S. Cristobal	2468
Bati Burnu	16856
Batteria de Urrutia	4072
BATUMI	19324
Bayindir Limani	20580
BAYRUT (BEIRUT)	21120
Baytak Adasi	20016
BEAULIEU-SUR-MER	7224
Bebek	17416
Bec de l'Epoids	1072
Beddouza	23176
Bejelila (Oko)	14132
Bekalta	21919
BELLE ILE	640
Belosarayskiy Zaliv	18680
Ben Chergui	23056
Ben Shoeman Dock	26000
Beni Saf	22688
Benicarlo	5532
BENODET	420
Berdianski Verkhniy	18648
Berezan'-Ochakov	18016
Berlenga	3336
Besige Burnu	16952
Betina	13092
Bettioua	22572
Beuzec	476
Beylerbeyi	17392
BILBAO	1900
BIMBIA RIVER	25104
Biograd	13052
Bisceglie	10968
Biscoitos	23508
Bitve	12668
Blagoveshchenskiy	18942
Blancas	23798
Blanes	5892
Bleda Plana	4788
Bobwasi Island	24844
Boca	2644
Bodrum	20216
BODRUM LIMANI	20212
BOKA KOTORSKA	14096
Bol	13576
Bonete	22736
Bonifacio	7968
Bordagain	1704
Bordighera	7280
Bordj Adjim	21804
Bormes-Pes-Mimosas	6964
BOSPORUS	17340
Bostanci	17324
Botas Liman	20788
BOUGIE (BEJAIA)	22320
Bouka	20348
Boulbinet	24636
Bouri	21700
Bouzas	2972

Boz Burnu	17204
Boz Burun	19708
Bozava	12876
BOZCA ADA (T.)	16864
Bozcaada	16868
Braccio di San Nicola	10980
BRACKI KANAL (OTOK BRAC)	13540
Brak Prascica	13288
Brbinj	12880
BREST	176
Bretanha	23576
Brgud	12232
Brigneau	512
BRINDISI	10812
Brioni (Brijuni)	11980
Brna	13878
Broce	13992
Brucoli	10396
BUARCOS	3288
Bubaque	24580
Bucak Roads	20568
BUCHANAN	24728
Budaki	17828
Budva	14248
Bueu	2880
Bugluca	20508
Bukhta Balchik	17648
Bukhta Batumiyskaya	19324
BUR SA'ID (PORT SAID)	21276
Burgas	17580
BURGASKI ZALIV	17564
Burgaz Adasi	17312
Burullus	21320
Buttermilk Point	26112
Buyuk Kemikli Burnu	16944
Buyukada	17308
Buyukcekmece Koyu	17092
Buyukdere	17468
Buyukkiremit Adasi	20176
BXA Buoy	1478

C

Ca'n Picafort	5104
Cabeza de Cobra	25556
Cabezo de San Juan (Pego Shoal)	3040
Cabinda	25504
Cabo Agudo, Punta Santiago	25156
Cabo Berberia	4748
Cabo Blanco	4892
Cabo Bojador	24292
Cabo Cee	2668
Cabo Corrubedo	2716
Cabo D'Artrutx	5184
Cabo das Tres Pontas	25608
Cabo de Ajo	2016
Cabo de Creus	5988
Cabo de Formenter	5068
Cabo de Gata	4492
Cabo de Irla	5518
Cabo de la Mola	5016
Cabo de la Nao	5300
Cabo de Oropesa	5516
Cabo de Palos	4600
Cabo de Pera	5116
Cabo de Salinas	4872
Cabo de Salou	5632

Cabo de San Antonio	5312
Cabo de San Sebastian	5940
Cabo de Santa Catalina	1840
Cabo de Santa Maria	25672
Cabo de Santa Marta	25676
Cabo de Torres	2204
Cabo del Home	2908
Cabo Estay	2940
Cabo Favaritx	5236
Cabo Finisterre	2664
Cabo Higuer	1712
Cabo Lebeche	4856
Cabo Ledo	25604
Cabo Llebeix	5032
Cabo Mata	24484
Cabo Mondego	3284
Cabo Montedor	3096
Cabo Nachtigal (Tan Tan)	23264
Cabo Negro	22832
Cabo Penas	2236
Cabo Pino	4312
Cabo Priorino Chico	2464
Cabo Reburdino	2692
Cabo Roche	4077
Cabo Sacratif	4420
Cabo San Antonio	2208
Cabo San Juan	25276
Cabo Santa Pola	4664
Cabo Silleiro	3052
Cabo Tinoso	4548
Cabo Torinana	2660
Cabo Tortosa	5598
Cabo Tossa	5896
Cabo Trafalgar	4080
Cabo Villano	2632
Cabos Velas	23457
Cacheu (Baluarte de San Fernando)	24492
Cadimare	7732
CADIZ	3940
Cagliari	8500
Caio	24500
Cais das Velas	23456
Cais do Pico	23408
Cais Machico	23736
Cais Novo	24208
Cais Oeste	3249
Cala Auellan	4604
Cala Camiciotto	8804
Cala d'en Busquets	5204
Cala d'en Rigo	4904
Cala dei Molo	10340
Cala Dello Scalo	8856
Cala di Volpe	8676
Cala Llonga	5156
Cala Manacor (Porto Cristo)	5136
Cala Mangiavolpe	8788
Cala Nova	5000
Cala Pujols	4760
Cala Ratjada	5120
Cala Revellata	8048
Cala Rossano	9324
Cala San Giovanni	8972
Cala San Lorenzo	11044
Cala Santa Maria	9960
Cala Taulera	5288
Cala Verde	8449
Calasetta	8420

INDEX – LIGHTS

Calata della Marinella	9492	Cap Manuel	24396	Capo Spartivento	8448, 10580
Calata della Sanita	7600	Cap Pertusato	7944	Capo Suvero	9684
Caldarello	7986	Cap Quilates (Ras Tarf)	22784	Capo Testa	8208
Calella	5888	Cap Rhir	23236	Capo Trionto	10628
Calheta	23476	Cap Rosa	22168	Capo Vaticano	9704
Calheta de Nesquim	23440	Cap Serrat	22136	Capo Zafferano	9900
Calpe	4736	Cap Sim	23232	Capraia	8868
Calti Burnu	19464	Cap Spatel	22896	Capul Tuzla	17688
Cam Burnu	19424	Cap Takouch	22216	Cardak Burnu	17044
Camara de Lobos	23724	Cap Verga	24616	Carl von Schlick	25828
Camaret-Sur-Mer	144	Cap Vert	24392	Carloforte	8388
Camarinas	2640	Cap-d'Arme	6908	Carnon	6272
Cambiri	25612	Cape Aikaterini	14390	Carril	2788
Cambrils	5616	Cape Cavallo	10812	Carroziere	10256
Camerota	9656	Cape Columbine	25892	Carrumeiro Chico	2676
Camogli	7624	Cape Elea	20965	CARTAGENA	4564
Camposancos	3072	Cape Gata	20856	Casa Valente	24156
Canakkale Kalesi (Cimenlik)	16996	Cape Greco	20940	Casabianca	9786
Canal de Alfonso XII	5292	Cape Kiti	20904	CASABLANCA	23084
Canal de Colindres	2012	Cape Kormakiti	20976	Casamiccola	9340
CANAL DE OLHAO	3728	Cape Mesurado	24696	Cassis	6696
Canal de Sete	6236	Cape Midia	17732	Castellammare del Golfo	9968
Canal do Alfeite	3464	Cape Nachitgal	25100	CASTELLAMMARE DI STABIA	9540
Canal do Montijo	3504	Cape Sierra Leone	24656	Castello Maniace	10248
Canal do Seixal	3492	Cape St. Martin	25884	CASTELLON DE LA PLANA	5480
CANAL DU GRAZEL	6106	Cape St. Mary	24452	Castiglione della Pescaia	9044
Canale di Belvedere	11628	Cape St. Paul	24924	Castillo de San Anton	2572
Canale di San Marco	11548	Cape Three Points	24848	Castillo de San Sebastian	3940
CANALE DI SAN PIETRO	8360	CAPE TOWN	25988	CASTRO-URDIALES	1964
Canale Pigonati	10832	Capo Bonifati	9676	Catal Ada	20204
Canale San Domenico	11476	Capo Caccia	8276	Catal Adasi	20564
Canale San Giovanni	11648	Capo Carbonara	8548	CATANIA	10400
CANDARLI KORFEZI (T.)	19812	Capo Cefalu	9860	Cattolica	11308
CANDAS	2208	Capo Circeo	9244	Cavalaire	6984
Cangas	2964	Capo Colonne	10600	Cavlin Shoal	13142
Canido (Toralla)	2948	Capo Comino	8588	Cavo	8928
CANNES	7092	Capo d'Orlando	9856	Cavtat	14088
Caorle	11568	Capo d'Orso	8748, 9600	Cayirova	17228
Cap Bardas	24332	Capo dell'Armi	9744	Cayon	2600
Cap Bear	6020	Capo di Milazzo	9796	Cedas	11668
Cap Benat	6956	Capo di Pula	8452	Cedeira	2456
Cap Blanc	24340	Capo di Vado	7396	Ceinturon	6940
Cap Bon (Ra's at Tib)	21984	Capo Faro (Salina)	9848	Cengelkoy	17400
Cap Bougaroun	22284	Capo Ferro	8724	Cervia	11352
Cap Camarat	6988	Capo Feto	10076	CESENATICO	11340
Cap Cameroun	25233	Capo Focardo	8948	Cesenatico	11340
Cap Carbon	22328	Capo Fresca	8356	Cesme Korfezi	19976
Cap Cepet	6796	Capo Gallo	9936	CEUTA (S.)	22840
Cap Cerbere	6008	Capo Granitola	10092	Chaussirion	1420
Cap Couronne	6544	Capo Grecale	10444	Channel from Port de Bouc to Martigues	6504
Cap Coz	460	Capo Mannu	8312	Charente	1400
Cap de Cala Figuera	5008	Capo Mele	7356	CHAUSEE DE SEIN	248
Cap de Feno	7980	Capo Miseno	9380	Chausse des Almadies	24388
Cap de Fer	22228	Capo Molini	10432	Chaussee de Sein	274
Cap de l'Aiguille	22580	Capo Murro di Porco	10240	Chebba	21898
Cap de l'Eau	22720	Capo Palinuro	9652	Chef de Baie	1351
Cap de Muro	8004	Capo Passero	10228	Cheli	15174
Cap des Trois Fourches	22772	Capo Peloro	9784	Chemu Point	24896
Cap Esteiras	25312	Capo Pino	7284	Chera	22440
Cap Falcon	22672	Capo Rasocolmo	9792	CHERCHELL	22468
Cap Ferret	1560	Capo Rizzuto	10596	Chiesa di Cristo Re	11208
Cap Fornali	8084	Capo Rosello	10112	CHIOGGIA	11452
Cap Gonzalez	24612	Capo San Vito	9988, 10640	Chipiona	3880
Cap Gros	5040	Capo Sandalo	8432	Chorokh	19340
Cap Hadid	23214	Capo Sant' Elia	8532	Churubashskiy	18496
Cap Ivi	22520	Capo Santa Croce	10392	Cillero	2420
Cap Leucate	6088	Capo Santa Maria di Leuca	10780	Cinarcik	17238

INDEX – LIGHTS

Cinco Ribeiras	23564
Ciotat	6708
Ciplakada	19788
Citadelle	8008
Citadelle at Port Louis	588
Ciudadela	5188
Civa Burnu	19468
CIVITAVECCHIA	9140
Clarence Bay	26072
Cline Point	24676
Colle Cappuccini	11216
Collioure	6056
Collo	22276
Colonia de San Pedro	5108
COMILLAS	2076
Commercial Port	184
CONAKRY	24636
CONCARNEAU	468
CONCHA DE GIJON	2136
Condoleo di Scilla	9705
CONGO RIVER ENTRANCE SOUTH SIDE	25528
CONSTANTA	17692
Constanta Sud	17690
Contis-les-Bains	1580
Contradique	5952
Contradique de Levante	2152
Coppola Pineteman	9312
Corme	2620
Corrubedo	2720
Corsini	11376
Coto San Jose	4064
Cotonou	24952
Coutinho	25204
Cozzo Spadaro	10224
CRACH	752
Crikvenica	12388
Crlenazemja	11924
Croix de Vie Quay	1160
CROTONE	10604

D

Dajla	11888
DAKAR	24404
Dalyan	20516
Dalyan Burnu	17516
Dana Adasi	20672
DANUBE RIVER ENTRANCES	17740
DARDANELLES (CANAKKALE BOGAZI)	16952
DARNAH (DERNA)	21472
Darse de la Grenouillere	22192
Darse de Missiessy	6864
Darsena Armando Diaz	9488
Darsena de Axpe	1952
Darsena de Curuxeiras	2512
Darsena de Molnedo	2032
Darsena del Puerto	2000
Darsena Departivo	5556
Darsena Pesquera	5926, 23876
Darsena Viltorio Veneto	9496
Dassen Island	25956
Debundscha Point	25084
Defterdar Burnu	17396
Degirmen Burnu	17196, 19844
Deli Burnu	20752
Delikkaya Burnu	20506
Delimara Point	10564

DELLYS	22340
DENIA	5316
Denovici	14124
Des Forges	1628
Deveboynu Burnu	20452
Dhafni	16688
Dhaskalonisi	16504
Dhiafari	20372
DHIAVLOS KNIMIDHOS	16376
DHIAVLOS MAKRONISOU	15608
DHIAVLOS SKIATHOU	16520
Dhiavlos Skopelou	16496
Dhiavlos Steno	16317
Dhiorix Korinthou Entrance	15312
Dhiorix Levkadhos	14564
Dia Kofti Kithiron	15068
Diana Marina	7348
Dias Point	25788
Diga Centrale	10324
Diga della Vegliaia	7924
Diga di Cornigliano	7556
Diga di San Vito	10644
Diga Foranea	7836
Diga Luigi Rizzo	11732
Diga Marzocco	7896
Diga Meloria	7880
Dikili Tas	17484
Dil Burnu	17256
Dilek Kayaligi	17304
Dique Aislado	1856
Dique de Abrigo	5924, 5964
Dique de Benabola	4292
Dique de Canouco	2292
Dique de Colvario	5880
Dique de la Curra (Este)	4592
Dique de Navidad	4588
Dique de Portinol	5884
Dique de Saumaty	6580
Dique des Catalans	6620
Dique du Fort Saint-Jean	6636
Dique Rompeolas	1872
Dique Saint Marie	6624
Divulje	13432
Djeno	25484
Djerba-Mellita	21772
DNEPROVSKIY LIMAN	18016
Doganbey Adasi	20000
Dolap Adasi	19798
Doli	14000
Domayo	3014
Domuz Burnu	17144
Donges	1016
Donja Lastva	14160
Donji Krasici	14128
Donji Stoliv	14204
Donnalucata	10192
Donuzlev	18249
Doringbaai	25840
Dortyol	20808
DOUALA	25232
Douamenez	220
Drmos Paches	15348
Dromo Giggia	10332
DRVENICKI KANAL	13348
Drvenik	13590
Du Fort Carre	7144
DUGI OTOK	12864

Dugi Otok	12876
Dumyat (Damietta)	21308
Duncan Dock	26032
Duque de Alba	2488
DURRES	14304
Dzhubga	19100

E

Eceabat	17004
Ecueil Lavezzi	7952
Ecueil M'Tahem	22376
Ecueils des Sorelles	22158
Edremit Korfezi	19704
Ekinlik	17160
EL AAIUN ANCHORAGE	24268
El Agamy	21412.5
El Arenal	4895
El Arish	21274
El Bahar	21292.5
El Balis	5876
El Cabino	24288
El Con	3020
El Estacio	4624
El Ghirby	21316
EL JADIDA (MAZAGAN)	23144
El Jorf Lasfar	23160
El Kala	22164
El Kantaoui	21972
El Mersa	22232
El Pego	3016
El Puerto	5076
El Puerto de Santa Maria	4040
Elafonisi	16224
Elanchove	1860
Emanuele Filiberto Duca d'Acosta Basin	11708
Embarcadero de Culera	6000
Embarcadero de Salou	5624
Emborios	20344
Entree du Goulet	22088
Epi Dellon	6188
Epi du Colombier	1468
Episkopi Kalamou	14609
Eratini, W. pier, head	14808
Erdek	17120
EREGLI LIMANI	19640
Escollera del Este	2104
ESCRAVOS RIVER	25036
Esek Adalari	16876
Esek Adasi	19692
Eshera	19209
Eski Saip	19836
Espasante	2446
Espigon de Trasatlanticos	2580
Espigon II	2168
Espigon Norte	1880
Espigon Sur	2008
Espigou Transversal	5732
Esposende	3128
ESSAOUIRA	23216
Estartit	5948
ESTUAIRE DE LA LOIRE	884
ESTUAIRE DU GABON	25316
Etang de Faraman	6356
ETANG DE THAU	6236
Etel	632
Etier des Brochets	1068

INDEX – LIGHTS

Europa Point	4220
Eynesil	19412
Eze-sur-Mer	7232

F

Fad'us	21080
Faja Grande	23292
FALCONARA MARITTIMA	11256
FAMAGUSTA	20944
Fanarion	16800
FANO	11280
Farazzina	9706
Farihao	3332
Farmakonisi	20156
Farwah	21728
Fatih Sultan Mehmet Bridge	17422
Fatsa Limani	19456
Favignana	10024
Fazana	11968
Fener Adasi	19984
Fener Burnu	17328, 20208, 20756
FEODOSIYSKIY ZALIV	18384
Feteira	23336
FETHIYE KORFEZI	20536
Fier d'Ars	1272
FIGUEIRA DA FOZ	3296
Fil Burnu	17492
Finale Ligure	7392
Finike	20604
FINIKE KORFEZI	20604
Fiqueras	2404
FIUME ARNO	7868
Fiume Aussa	11592
Fiume Cinquale	7848
Fiume Tronto	11172
FIUMICINO	9168
Flisvos	15568
Foca	19840
Foce Aloisa	11008
Foiniki	20368
Folga	23496
Follonica	9020
Fontvielle	7244
Foraneo	10620
Foraneo)	9000
Forme de Radoub	1648
Formentera	4744
Formiche di Grosseto	9056
Fort Bugio	3404
Fort Fanal	6024
Fort Genoia	22204
Fort James Island	24468
Fort La Rocca	9112
Fort Nicolaev	18044
Fort St. Jean	6640
Fort St. Nicolas	6644
Forte Camicio, S. angle.	8761
Forte de S. Jose	24200
Forte San Felice	11452
Forte Stella	8896
Fortim Carlota	24252
Fourao (Port Sud)	1392
Fouras	1388
FREETOWN	24664
Fronton de Caracas	25160
FUENGIROLA	4340

Funchal	23728
Fura	24684

G

GAETA	9264
Gagida	19252
GAGRINSKIY REYD	19172
Galata Burnu	17040
Galiton	22144
Galleggianti	10848
GALLIPOLI	10760
Gamba	25444
GANDIA	5340
Garraf	5740
Garrucha	4512
Gastouni	14888
Gat Listopada	13424
Gat Petka	14056
Gat Sv Petra	13420
Gata Martinska	13232
Gata Oslobodenja	13744
Gazemica	12984
GELA	10152
GELENDZHIKSHKAYA BUKHTA	19076
Gelibolu	17048
Gelidonya Burnu	20616
Gemlik	17220
Gemlik Korfezi	17216
GENOVA	7556
GENOVA-MULTEDO	7536
Gerolimena	14988
Gerze	19508
Geziret Disuqi	21328
GHAWDEX (GOZO)	10504
GHAZAQUET (NEMOURS)	22704
GIBALTAR (U.K.)	4220
Giglio Castello	9096
Giovinazzo	10944
Giresun	19428
Girlo Prorva	17788
GIRONDE	1472
GIULIANOVA	11156
Gji Dukatit	14360
GJI I VLORES	14340
Glaronisia	20148
Gocek Adasi (Kizlan Ada)	20552
Gocek Limani	20556
Gocuk Burnu	17032
Golcuk Burnu	17280
GOLFE D'AIGUES-MORTES	6260
GOLFE D'ARZEW	22524
GOLFE DE FOS	6392
GOLFE DE PORTO VECCHIO	8148
GOLFE DE SAINT-FLORENT	8076
GOLFE DE STORA	22228
GOLFE DE VALINCO	7992
GOLFE DES SAINTES-MARIES	6344
GOLFE-JUAN	7112
GOLFO DELL'ASINARA	8216
GOLFO DELLA SPEZIA	7696
GOLFO DI CAGLIARI	8456
Golfo di Marinella	8668
GOLFO DI OLBIA	8600
GOLFO DI PALMAS	8436
GOLFO DI POZZUOLI	9380
GOLFO DI SANT EUFEMIA	9684

Goncalo Velho	23664
Gorele	19416
Gorliz	1898
Goulet	22096
GOULET DE FROMENTINE	1108
Grames	14364
Grand Bassa Pt.	24724
Grand Lahau	24796
Granger Bay	25984
Grau du Roi (Aigues-Mortes)	6284
Grau S. Ange	6084
Great Pass	21356
Greben Bacvica	13112
Green Point	25980
Grigoryevskiy	17988
GROOTBERGRIVIER	25864
Groumilli	312
Gruz	14052
Guardamar	4648
Gudauty	19204
Guethary	1664
Guia	3389
GUILVINEC	364
Gulluk	20164
Gunes Adasi	19780
Gura Portita	17736
Gura Sfintu Gheorghe	17740
Gurden (Gordan)	10504

H

Hadjret Tafalkout	22312
HAIFA	21216
Hammamet	21976.5
Har Karmel (Mount Carmel)	21212
Harem Vapur Iskele	17364
Haremten	20222
Hargalah	21976.3
Haut Banc du Nord	1260
Hawmat as Sug (Djerba)	21776
Haydarpasa	17344
Hayirsiz Ada	17136
Hendaye	1708
HERAULT	6124
Hercegovski Zaliv	14112
Heybeli	17288
HIERRO	23804
Hisaronu	19604
Hondeklip Bay	25832
Hopa	19352
Hormiga Grande	5932
Horta	23320
Hoskoy	17060
Hourtin	1556
Houtbaai	26056
Hramina	13084
Hrid Barbaran	11908
Hrid Celice	13384
Hrid Crni	12396
Hrid Galera	13368
Hrid Galigolica	12944
Hrid Galiola	12116
Hrid Kalebinjak	13336
Hrid Krava	13676
Hrid Misine (Kamicac)	13080
Hrid Mulo	13324
Hrid Pod Mrcaru	13936

INDEX – LIGHTS

Hrid Pohlib	12576
Hrid Rocni	13188
Hrid Silo	12268
Hrid Skoljic	12874.5, 13444
Hrid Sv. Anton	12432
Hrid Sveti Ivan na Pucini	11960
Hrid Zaglav	12152
Hridi Galija	13448
Hridi Grebeni	14040
Hridi Lukavci	13708
Hridi Volici	13688
Huelva	3836
HVARSKI KANAL	13616, 13684
HVARSKI KANAL (OTOK BRAC)	13568

I

Ibn-Tofail	22628
Idku LNG Port	21325
Ifalos Levkari	16524
Ifalos Oreon	16412
IFNI	23256
Igneda Burnu	17528
Ika	12208
Ikhinos Scala	16324
Il Capo	9576
IL'ICHEVSK	17876
IL'ICHEVSKIY	17860
Ilbiz Burnu	20528
Ile aux Moutons	436
Ile aux Souris	560
Ile Cavallo	7950
Ile Colombi	22516
Ile d'Aix	1384
ILE D'OLERON	1416
ILE D'OUessant	4
ILE D'YEU	1128
Ile de Bandol	6752
ILE DE DJERBA	21804
Ile de Grand Rouveau	6760
ILE DE GROIX	532
Ile de Hoedic	724
Ile de la Tour Fondue	6780
ILE DE NOIRMOUTIER	1080
Ile de Penfret	444
ILE DE PORQUEROLLES	6904
ILE DE RE	1268
Ile des Embiez	6784
Ile du Lion	22268
Ile du Pilier	924
Ile Dumet	784
Ile Gargalu	8040
Ile Grand Ribaud	6896
Ile Houat	720
Ile Mansouria	22316
Ile Matakong	24648
Ile Molene	44
Ile Nende	25308
Ile Plane	22676
Ile Rachgoun	22696
Ile Ratonneau	6668
Ile Tristan	220
Ile Zembra	21989
Iles Cani	22064
Iles Cerbicales La Vacca	8180
Iles de Lerins	7108
Iles Habibas	22684

Iles Sanguinaires	8036
ILHA BRAVA	24236
Ilha da Barreta	3740
ILHA DA BOA VISTA	24192
ILHA DA MADEIRA	23708
Ilha das Cobras	24576
ILHA DAS FLORES	23288
Ilha de Jeta	24504
ILHA DE MAIO	24200
ILHA DE PORTO SANTO	23756
ILHA DE SANTA MARIA	23664
ILHA DE SANTO ANTAO	24080
ILHA DE SAO JORGE	23448
ILHA DE SAO MIGUEL	23568
ILHA DE SAO NICOLAU	24132
ILHA DE SAO TIAGO	24204
ILHA DE SAO TOME	25184
ILHA DE SAO VICENTE	24096
Ilha do Cabo	25584
ILHA DO CORVO	23280
ILHA DO FAIAL	23320
ILHA DO FOGO	24244
ILHA DO PRINCIPE	25172
ILHA DO SAL	24148
Ilha Galinhas	24556
ILHA GRACIOSA	23488
Ilha Roxa	24588
ILHA TERCEIRA	23504
ILHAS DESERTAS	23748
Ilheu	23708
Ilheu Bombom	25180
Ilheu Chao	23748
Ilheu das Cabras	25184
Ilheu de Bugio	23752
Ilheu de Cima	23756
Ilheu de Ferro	23768
Ilheu do Poilao	24596
Ilheu do Rei	24532
Ilheu dos Passaros	24524
ILHEUS FORMIGAS	23704
Ilica Burnu	19822
Ilot d'Arzew	22540
Ilot des Singes	22264
Ilot Eveline	6552
Ilot Les Empereurs	6692
Ilot Lion de Mer	7056
IMPERIA	7320
Imperia Levante (Oneglia)	7340
Importnyy Pir	19048
IMROZ ADASI (T.)	16932
Ince Burnu	17056, 20232
Ince Burun	17112, 19532, 20456
Incegol Burnu	20168
Incekum Burnu	20696
Incir Burnu	19492
Incir Limani	19404
Incirkoy	17444
Inebolu	19544
Inezgane	23255
Insua	3076
Iraklis Volou	16536
Iria	15154
Irkieka ta Kemmuna	10516
Ischia Porto	9344
Ishull i Sazanit	14328
Isikli Burnu	19408
ISKENDERUN	20816

Isla Aucanada	5100
Isla Boeiro	2932
Isla Coelleira	2432
Isla Conejera	4784
Isla de Ahorcados	4780
Isla de Alboran	22780
Isla de Arosa	2772
ISLA DE CABRERA	4852
Isla de Corisco	25300
ISLA DE FORMENTERA	4744
ISLA DE FUERTEVENTURA	24024
ISLA DE GRAN CANARIA	23928
ISLA DE IBIZA	4784
ISLA DE LA GOMERA	23812
ISLA DE LA PALMA	23780
ISLA DE LANZAROTE	24048
Isla de Lobos	24044
ISLA DE MALLORCA	4872
ISLA DE MENORCA	5184
ISLA DE PAGALU	25208
Isla de Salvora	2724
Isla de Santa Clara	1792
Isla de Tagomago	4800
ISLA DE TENERIFE	23828
Isla del Aire	5180
Isla del Congreso	22732
Isla del Hospital	5268
Isla del Pinta	5280
Isla del Toro	5012
Isla Dragonera	5032
Isla Espardell	4768
Isla Grosa	4628
Isla Horadada	4868
Isla Hormiga	4616
Isla Isabel II	22724
Isla Mouro	2020
Isla Ons	2832
Isla Plana de Mahan	5260
Isla Poncha	2340
Isla Rua	2756
Isla Tabarca (Plana)	4652
Isla Tapia	2328
ISLAS CHAFARINAS (S.)	22724
Islas Cies	2916
Islas Columbretes	5504
Islas Medas	5944
Islas Sisargos	2612
Islote Batafoch	4808
Islote Dado Grande	4844
Islote de Benidorm	4716
Islote de la Aguilica	4532
Islote Escombrera	4564
Islote Horacio	25136
Islote Lobeira Grande	2680
Islote Vedra	4848
Isola Asinara	8212
ISOLA CAPRAIA	8864
Isola Caprara	11064
Isola Caprera	8744
Isola Chiesa	8756
Isola Corcelli	8192
ISOLA D'ELBA	8884
ISOLA D'ISCHIA	9328
ISOLA D'USTICA	9956
Isla de Levanzo	10000
Isla de Murano	11528
Isla de Nisida	9400

INDEX – LIGHTS

Isola dei Cavoli	8552
ISOLA DEL GIGLIO	9092
Isola delle Bisce	8732
Isola delle Correnti	10212
ISOLA DI CAPRI	9572
Isola di Lampedusa	10444
Isola di Linosa	10468
Isola di Mezzo	8624
ISOLA DI PANTELLARIA	10480
ISOLA DI PROCIDA	9360
Isola Filicudi	9846
Isola Lipari	9828
Isola Marettimo	10004
Isola Palmaiola	8992
Isola Panarea	9840
Isola Pianosa	11060
Isola Razzoli	8196
Isola Salina	9848
Isola San Nicola	11068
Isola Sant' Andrea	10760
Isola Stromboli	9844
Isola Tavolara	8600
ISOLA VENTOTENE	9320
Isola Vulcano	9824
Isola Zannone	9216
Isole di li Nibani	8716
ISOLE DI PONZIA	9224
ISOLE DI TREMITI	11064
ISOLE EGADI	10000
ISOLE EOLIE	9824
ISOLE PELAGIE	10444
Isole Poveri	8684
Isolotta Il Toro	8436
Isolotti Li Galli	9588
Isolotti Monaci	8736
Isolotti Mortoriotto	8688
Isolotto di Mal di Ventre	8316
Isolotto Figarolo	8664
Isolotto Formica	10032
Isolotto Lampione	10476
Isolotto Licosa	9636
Isolotto San Paolo	10648
Istarske Obala	13000
Istinye	17436
Istres	6464
Italia Molo	7764
Itea	14824
Iz Veli	12924
Izmir	19876
IZMIR KORFEZI (T.)	19836
Izmit Korfezi	17232
Izola	11836

J

JABLAH (DJEBLE)	21012, 21032
Jablanac	12548
JAFFA	21256
James Bay	26100
JAVEA	5304
Jazirat Arwad	21044
Jazirat Qurayyat	21920
Jazirat Ramkin	21048
Jebha	22820
Jelsa	13656
Jetee de Boisvinet	1176
Jetee de la Citadelle	8012

Jetee de la Fumee	1396
Jetee de la Garenne	1172
Jetee de Margonajo	8020
Jetee de Ste. Evette	292
Jetee Delure (Moulay Youssef)	23104
Jetee des Capucins	8016
Jetee des Sables	1216
Jetee du Dragon	8112
Jetee du Lion	22176
Jetee Mustapha	22400
Jetee Ouest (du Chateau-Vert)	22244
Jetee Ouest (Garlahy)	844
Jetee St. Nicolas	1212
Jetee St. Nicles	8124
JIJEL (DJIDJELLI)	22292
Joal	24444
Joinville (Port-Breton)	1136
Jonquet	4996
Jubayl	21088
Jurjevo	12448
Juzna Luka	11948

K

Kabardinskiy	18988
Kabula	11972
Kadikoy	17360
Kadirga Burnu	20496
Kakokéfali	16328
Kalamai	14956
Kalamaki	15312
Kale Burnu	17132
Kalekoy	16932
Kali	12980
Kalimpaki	15432
Kalmoun	21064
Kalolimnos	20180
Kaloyeri	19980
Kamenari	14172
Kamilonisi	20340
Kamyshevatskaya	18880
KANAL MALOG STONA	13772
KANAL SREDNJA VRATA	12472, 12504
Kanal Sv Ante	13184
Kandilli Burnu	17412
Kanlica Burnu	17428
Kanlidere Burnu	16988
Kapsul Burnu	17172
Kara Ada	20172, 20224
Kara Burnu	19896
Karabiga	17134
Karaburnu	17520
Karaburun Feneri	20166
Karacaoren Rock	20558
Karacay	20512
Karakova Burnu	17036
Karanfil Burnu	16984
Karargah Toros	20804
Karatas	20760
Karavastase	14322
KARAVOSTASI	20980
Kardhamili	14972
Karek-Saoz	408
Kargi Ada	20212
Kargili Burnu	20510
Karlobag	12584
KASTELANSKI ZALIV	13428

Kataraktis. S Mole. Head	19910.1
Kataranskiy	17812
Kato Assoc. Fishing Harbour. Outer S Mole	14865
Kava Burnu	17268
Kavak Burnu	17480
Kavakalti Deresi	17024
Kavranic	12352
Kec Adasi	20500
Kefken Adasi	19664
Kekova Adasi	20596
Kekova Olu Deniz	20588
Kelibia	21980
KEMMUNA RAS L-LRQIEQA	10516
Kenitra	22992
Kep i Durrës	14304
Kep i Gallovecit	14340
Kep i Lagit	14320
Kep i Palermos	14368
Kep i Palit	14300
Kep i Qefalit	14372
Kep i Rodonit	14296
Kep i Shengjinit	14280
Kep i Trepoteve	14344
Kepi Gjuhezes	14338
Kepi I Jugor	14337
Kerempe Burnu	19556
Kergadec	288
KERKIRA (CORFU)	14390
KERME KORFEZI (T.)	20228
Kermovan	84
Kernavest	756
Kernevel	612
Keroman	600
Kerroch	528
KHALIS TUNIS	21988
Khios Marina. E Mole. Head (Chios)	19933
KHIOS STRAIT	19956
Kiaton	14864
Kijac	12532
Kiler Burnu	17260
Kilitbahir	16992
King Gray	24716
Kinosoura	15390
Kirec Burnu	17452
Kiyikoy	17524
Kizil Adalar	20536
Kizomys	18164
Klidhes Islands	20968
Kobuleti	19320
Koeberg	25960
Kokkinos Pyrgos	16202
KOLE	25212
KOLOCEPSKI KANAL	13984, 14068
Kolpos Argostoliou	14708
Kolpos Elefsinos	15404
Kolpos Epidhavourou	15276
Kolpos Kallonis	19724
KOLPOS KASSANDRAS	16644
KOLPOS MERABELLOU	16128
KOLPOS PETALION	16228
Kolpos Volos	16544
Komiza	13696
Kopekkayasi Burnu	19560
Koper	11828
KOPERSKI ZALIV	11812
Kopria	15872
Korcula	13852

INDEX – LIGHTS

KORCULANSKI KANAL	13820	La Figueirette	7068	Le Grande Charpentier	944
KORINTHIAKOS KOLPOS	14784	La Fourmiquie	6972	Le Lavandouj	6968
Korinthos	14848	La Gacholle	6348	Le Lavardin	1352
Koroni	14944	La Galerica	4541	Le Lez	6269
Koronisia	14533	La Garoupe	7136	Le Palais	660
Kortas Island	19868	La Goulette	21988	Le Pedagne	10816
KOS CHANNEL (T.)	20208	La Grana	2504	Le Pignon	780
Kosa Belyye Kuchugury	18192	La Grande Motte	6276	Le Pointeau	960
Kosa Dolgaya	18684	La Grande Vaquette	7070	Le Pouliguen	884
Kosa Sudzhukskaya	18980	La Grande Vinotiere	92	Le Pradet	6960
Kostanjica	14188	La Guia	3012	Le Socoa	1700
Kotez	11988	La Isleta	23932	Le Stiff	16
Kotor	14224	La Jument	24	Le Village	996
Kotorski Zaliv	14204	La Lauze	6132	Leander Tower (Kizkulezi)	17372
Koufonisi	16176	LA MADDALENA	8752	Leca	3236
Koufonisia	15868	La Medee	488	Leonidhion	15116
Koumondoros	15448	La Meule	1152	Leonti	15270
Kouneli Islet	16276	La Mojjonera	1944	Lepetane	14176
Kouremenos	16170	LA PALLICE	1351	LEQUEITIO	1840
Koyun Burnu	20236	La Pallice	1328	Lerici	7824
Kpeme	24948	La Palmyre	1488	Les Baleines	1268
Kraljevica	12344	La Parquette	136	Les Barges	1184
KRIBI	25236	La Perotine	1424	Les Chiens Perrins	1132
Krilo	13484	La Petite Jument	592	Les Goudes	6684
Krk	12496	LA PLAGES	6920	Les Grands Cardinaux	728
Kruscica Dukoba	12712	La Plate	284	Les Issambres	7032
Ksar es Srrir	22868	La Pyramide	428	Les Leques	6732
Kubanskiy	18941	La Rague	7080	Les Pierres Noires	116
Kucisce	13834	La Salie	1576	Les Platresses	60
Kucuk	20692	La Spezia	7720	LES SABLES-D'OLONNE	1180
Kumborski Tjesnac	14124	La Teignouse	692	Les Salettes	6888
Kumkale Burnu	16980	La Tour Fondue	6900	Les Salins (Port Pothuau)	6944
Kumkapi Barinak	17108	La Tranche-sur-Mer	1244	Les Trois Pierres	40, 556
Kurucasile	19572	LA TURBALLE	844	Lesconil	388
Kurucesme	17404	La Vielle	272	Leselidze	19168
Kusadasi	20004	Lac de Porto-Farina	22060	Leucate	6092
Kutlesa	13496	Lage	2624	Leventler Limani	19848
Kutuburun	20560	Laghi di Sibari	10631	Levkonisia	16512
KVARNER	12260, 12772	Lagoa	23608	LICATA	10128
KVARNER EAST	12116	Lagos	3628	Limankalesi	20676
KVARNER WEST	12048	LAGOS HARBOR	24968	Limanozharskiy	18095
KVARNERIC	12460, 12484, 12588, 12608	Laigueglia	7360	LIMASSOL	20884
Kyllini	14878	Laja Bermeja	4334	Limenaria	16790
L		Lajes	23516	Limenas Ouranoupolis	16685
		Lakka	14484	Limeniskos Kalamos	14608
		Lakkion	20144	Limeniskos Mandraki	14428
		LAKONIKOS KOLPOS	14988	Limin Alimos	15572
		Lampedusa	10448	Limin Dipias	15184
		Lantern (Capo del Faro)	7568	Limin Emborikos (Porto Mercantile)	20428
		LARACHE	22912	Limin Eretrias (Nea Psara)	16304
		Larimna	16340	Limin Ermoupolis	15728
		LARNACA	20916	Limin Idhras	15200
		Las Serralleiras	2938	Limin Irakleous	15510
		LASTOVSKI KANAL	13872	LIMIN IRAKLIOU	16100
		LAVAGNA	7676	Limin Kamaron	15784
		Lazarevskoye	19128	Limin Karlovassi	20020
		Le Brusq	6772	LIMIN KAVALAS	16736
		Le Capte	6916	Limin Khaidhari	15152
		Le Charf (Mount Direction)	22880	Limin Kheliou	15172
		Le Chat	268	Limin Khiou	19956
		Le Chay	1508	Limin Koufo	16648
		Le Cochon	468, 596	Limin Lakki	20136
		Le Collet	1064	Limin Maltezana	20300
		LE CROISIC	860	Limin Mandhraki	20420
		Le Crouton	7128	Limin Mikonou	15808
		Le Faix	56	Limin Mounikhias	15544
		Le Four	820	Limin Palaia Ediphavron	15280
L'ADOUR	1584				
L'Armandeche	1180				
L'Aveugle	1656				
L'Estacade	1196				
L'Herbaudiere	1096				
La Albufera	4096				
La Banche	896				
La Bernerie-en-Retz	1060				
La Caletta	8592				
La Cerda	2024				
La Chretienne	7064				
La Ciocca	8164				
La Ciotat	6716				
La Clica	4032				
La Coarentena	4968				
La Concha	1796				
LA CORUNA	2548				
La Cotiniere	1444				
La Couronnee	946				
La Duquesa	4268				
La Escala	5956				

INDEX – LIGHTS

Limin Panormitou	20480
Limin Preveza	14520
Limin Rodhos	20412
Limin Skala	20088, 20312
Limin Vathi	14656
Limin Volou	16556
Limin Yithion	15008
Limin Zeas	15536
Liminiskos Alikon	14752
LISBOA	3388
Lisnave	3462
Livala Porozina	12188
LIVORNO (LEGHORN)	7880
Ljubacka Vrata	12716
Llanes	2116
Llanfranch	5936
Loano	7380
Lobito	25640
Locarec	348
Loctudy	400
Lome	24928
Longonsardo (Santa Teresa de Gallura)	8200
Lora	13436
LORIENT AND PORT LOUIS	556
Los Farallones	22768
Los Puercos	4772
Los Rodeos	23856
Lost-Moan	380
Lovran	12204
LUANCO	2224
LUARCA	2288
Luka Cikot	12304
Luka Cres	12156
Luka Drace	13808
Luka Hvar	13604
Luka Jadresnica	12328
Luka Kaliman	14144
Luka Kaprije	13280
Luka Kardeljovo	13740
Luka Korcula	13840
Luka Kosljun	12660
Luka Krijal	12784
Luka Lovisce	13716
Luka Mali Losinj	12280
Luka Mali Molunat	14092
Luka Neum	13800
Luka Nova Poveljana	12664
Luka Novalja	12644
LUKA NOVIGRAD	11892
Luka Novigrad	12768
Luka Okuklje	13956
Luka Olib	12812
Luka Orebic	13856
Luka Pasman	13012
Luka Petrcane	12988
Luka Polace	13948
Luka Poljud	13476
Luka Pucisca	13556
LUKA PULA	12000
Luka Rab	12608
Luka Rabac	12104
Luka Rijeka	12232
LUKA ROGOZNICA	13328
Luka Rose	14108
LUKA SIBENIK	13164
Luka Sovra	13952
LUKA SPLIT	13408

Luka Sucuraj	13668
Luka Sumartin	13568
Luka Sveta Martin	12312
LUKA UMAG	11872
Luka Unije	12124
Luka Velji Lago	13920
Lukoran	12960
Lukovo Otoko	12452
Lyubimovka	18270

M

Madra Cayi	19800
Makarska	13580
Makronisos	15356
Malabo (Santa Isabel)	25124
MALAGA	4348
Malaga	4360
Malecon de Fomento	2148
Malecon de San Felipe	3968
Malecon del Oeste	2100
Mali Renzit	14282
MALIAKOS KOLPOS	16384
Malinska	12516
Malongo	25496
Malpica	2608
MALTA	10524
Malyy Kasperdskiy	18172
Mamidhakis	16532
Mancar Agzi	19606
MANDALYA KORFEZI (T.)	20160
Mandelieu-La Napoule	7084
Mandhraki	19940
Mandoudi	16508
Mandrakion	20276
Manfredonia	11012
Mangalia	17664
Manganari	18316
Manises	5364
MANZIL BU RUQAYBAH	22108
Mar Grande	10680
Maratea	9668
Marbella	4304
Marciana	8888
Marcus Island	25900
Margaret Point	25236
Margherita de Savoia	11000
Marin	2868
Marina de Ragusa	10188
Marina di Campo	8956
Marina di Carrera	7832
Marina di Cassano	9556
Marina di Grosseto	9052
Marina Piccola del Poetto	8536
Marina. S Breakwater. Head	14954
Marine di Equa	9552
Mariupol	18732
Marmara Islet	20488
Marmaraereglisi	17072
Marqab Buoy	21028
MARSA AL BURAYQAH	21556
MARSA TUBRUQ (TOBRUK)	21440
Marsa Zuwaghah	21712
MARSALA	10064
MARSEILLE, NORTH ENTRANCE	6572
MARSEILLE, SOUTH ENTRANCE	6620
Marti Burnu	17192

Martinscica	12148
Marzamemi	10232
MASABB DUMYAT	21308
Maslen Nos	17556
Masnou	5874
Maspalomas	24012
Mastikhari	20270
Mattinata	11032
Mazarron	4536
Medulinski Zaliv	12056
Megali Kira	15460
Megri Adasi	20540
Mehdia	22940
MEHDIYA	22940
Meheux Island	24692
Mehmetcik Burnu	16956
MELILLA (S.)	22736
Menai Creek	25812
Men-Brial	256
Men-Korn	36
Men-Tensel (Kereon)	32
Menton	7268
Menton-Garavan	7272
Menzel Abderrahman.	22106
Merrien	516
MERS EL-KEBIR	22648
Mersin	20708
MERSIN LIMANI	20708
Mesa Roldan	4496
Mesquer	808
MESSINIAKOS KOLPOS	14944
Mesta	19916
Methana	15240
Methoni	14924
Meyisti	20576
Mezapos	14984
Meze	6248
Michurin (Tzarevo)	17544
Mikhmoret	21236
Milaki	16292
Milatos	16123
Milna	13532
Milnerton	25976
Mirabello	7760
Miramar	6952
Mirina	16904
Mission de Santo Antonio	25208
Mithimna Molivos	19744
Mitilini	19756
MITILINI STRAIT (T.)	19780
Miaka	12228
MLJETSKI KANAL	13948, 14000
Moana	3024
MOHAMMEDIA	23054
Moita Seca	25528
Mola Adalari	17188
Mola di Bari	10876
Molaon	15016
Mole d'Escale	1328
Mole de Guilvinec	376
Mole de Lechiagat	372
Mole Gregoriano	9248
Mole Jules Giraud	22620
Mole Masselin	6232
Mole Saint-Louis	6180
Moledo	3080
Molfetta	10952

INDEX – LIGHTS

Molo a Martello	11136
Molo dei Pagliari	7784
Molo del Ronciglio	10052
Molo della Columbaia	10048
Molo della Sanita	8396
Molo di Levante	7656, 9612, 10096
Molo di Mezzogiorno	10404, 11020
Molo di Multedo	7540
Molo di Ponente	8376, 9616, 10156
Molo di Ridosso	10916
Molo di Scirocco	11151
Molo di Sottoflutto	9740
Molo di Tramontana	10764, 10984
Molo Foraneo	7296, 7368, 7676
Molo Francesco Crispi	10124
Molo Frangiflutti	9196
Molo Garibaldi	7768
Molo Giuseppe Garibaldi	9088
Molo Lazaretto	9156
Molo Magona d'italia	9004
Molo Martello	9480
Molo Mediceo	7920
Molo Miramare	7496
Molo Montecatini Edison	10830
Molo Olivo	7704
Molo Pennello	10964
Molo Pizzoli	10928
Molo S. Vincenzo	9476
Molo San Antonio	10932, 10976
Molo San Cataldo	10908
Molo San Vincenzo	9475
Molo San Vittorio	8416
Molo Sottofluto	7672, 7684
Molo Sottoflutto	10616
Molo Su Siccu	8516
Molo Sud	7292
Molo Vecchio	7604
Molos Themistokleus	15524
Molos Vasileus Yeoryios	15528
Mondello Valdesi	9924
Monopoli	10868
MONROVIA	24696
Mont de Sete (Mont St. Clair)	6164
Monte Agudo	2916
Monte Cappuccini	9132
Monte Carlo	7236
Monte di San Bartolo	11296
Monte Faro	2920
Monte Orlando	9264
Montjuich	5760
Montpellier Frejorge	6260
Morgat	216
Morinj	14192
Morro Negro	24196
Morro Nuevo	22788
Mortelle	9785
Moscenice	12200
Mostaganem	22524
Mosteiros	23572, 24244
Motel Levedi	16379
Motril	4411.5
Moulia Rocks	20985
Mourayia	14416
Mudanya	17212
Muelle comercial	5980
Muelle de Abrigo	5976
Muelle de Aragon	5660

Muelle de Castilla	5668
Muelle de Maliano	2048
Muelle de Poniente	4934
Muelle de Ribera	4024, 23908
Muelle de Santa Pola	4668
Muelle del Berbes	2988
Muelle del Rendiello	2184
Muelle del Tinglado	1848
Muelle Reina Sofia	3977
Muelle Sur	1852
Muntados	5748
Muo	14220
Muros	2696
Murrays Bay	25972
MURTERSKI KANAL	13092
Mys Adlerskiy	19164
Mys Akhilleon	18936
Mys Aytodor	18340
Mys Chauda	18404
Mys Doobskiy	18984
Mys Feilent	18324
Mys Gryaznova	19104
Mys Il'inskiy	18384
Mys Karabush	18000
Mys Kazantip	18604
Mys Khablovskiy	18096
Mys Khersonesskiy	18320
Mys Kiik-Atlama	18380
Mys Kodori	19228
Mys Kodosh	19108
Mys Kyz-Aul	18408
Mys Lukull	18268
Mys Marhopulo	18269
Mys Meganom	18368
Mys Panagiya	18440
Mys Pitsunda	19192
Mys Sarych	18336
Mys Severnyy Odesskiy	17984
Mys Sukhumskiy	19212
Mys Takil	18412
Mys Tarkhankut	18244
Mys Yevpatoriyskiy	18252
Mys Zheleznyy Rog	18436
Mys Zyuk	18600

N

N Breakwater Head	14955
NAPOLI	9424
Nara Burnu	17000
Natanebi	19314
Naval Base	3920
Naval harbor	24872
Navpaktos	14792
Nazare	3316
Nea Artaki	16332
Nea Karvali	16752
Nea Mikhaniona	16580
Neapoli. Mole. NW Head	15030
Neftyanaya Gavan'	17936
Nemours	22700
Neos Marmaras	16664
Neretva	13752
NERETVANSKI KANAL	13732
NERETVANSKI KANAL (POLUOTOK PELJESAC)	13808
Nerezine	12316

Nergis Island	19866
Nervi	7620
Nesebur	17608
Nezadovoljan	13620
NICE	7184
Nijni Pavlovski	18448
Nikolayevka	18260
Nisidha Atokos	14614
Nisidha Dhespotiko	20382
Nisidha Provati	14627
Nisidhes Akradhia	15900
NISIDHES FOURNOI (GR.)	20060
Nisidhes Kalapodhia	20124
Nisidhes Kanakia	15328
Nisidhes Kavallai	16180
Nisidhes Liadhi	16000
Nisidhes Portes	15816
Nisidhes Sofrana	20332
Nisidhes Stilaria	16704
Nisidhes Verdhouyi	16272
Nisis Agria Gramvousa	16008
Nisis Andipaxoi	14496
Nisis Anidhro	20108
Nisis Arpidhoni	15472
Nisis Aspro	15712
Nisis Astakidha	20328
Nisis Atalandi	15372, 16352
Nisis Avgo	16096
Nisis Axios (Kavoura)	16584
Nisis Ay. Apostoloi	16924
Nisis Ayioi Pandes	16128
Nisis Ayios Evstathios	15924
Nisis Dhespotiko	15856
Nisis Dhidhimi	15708
Nisis Dhipsa	16268
Nisis Dia	16088
Nisis Errikousa	14388
Nisis Euraios	15308
Nisis Falkonera	15084
Nisis Fleves	15592
Nisis Formikoula	14612
Nisis Gavathes	19748
Nisis Gavodhopoula	16212
Nisis Gevtis	19908
Nisis Helonisi	14920
Nisis Ipsili	15156
Nisis Kaloyeros	14616
Nisis Kandhelousa	20292
NISIS KASOS (GR.)	20344
Nisis Kavkalidha	14880
Nisis Kavkanas	16712
Nisis Khatapodhia	15812
Nisis Khondro	20316
Nisis Khrisi	16192
Nisis Konidha	16136
Nisis Koulohdros	20484
Nisis Leros	15466
Nisis Levitha	16004
Nisis Lipsoi	20116
Nisis Loimokathartirion	14664
Nisis Loutron	16216
Nisis Mavro Oros	14476
Nisis Mikro	16476
Nisis Mirmingas	15832
Nisis Moni	15248
Nisis Nata	15796
Nisis Nea Kaimeni	15956

INDEX – LIGHTS

Nisis Nekrothikes	20192	NISOS KARPATOS (GR.)	20366	Nuevos Muelles de la Osa	2156
Nisis Pakhi	15344	NISOS KEA	15624	Nules	5454
Nisis Palaiokhoras	16220	NISOS KEFALLINIA	14672		
Nisis Panagia	19754	NISOS KHIOS (GR.)	19908		
Nisis Panayia	14488	Nisos Kimolos	15926		
Nisis Pasha	19968	NISOS KITHIRA	15048		
Nisis Passas	16312	NISOS KITHNOS	15640		
Nisis Patrokloi Gaidouronisis	15604	NISOS KOS (GR.)	20256		
Nisis Paximadhi	16240	Nisos Lagousa	15272		
Nisis Pelerissa	16468	NISOS LEROS (GR.)	20132		
Nisis Peristera	16469	NISOS LESVOS (GR.)	19712		
Nisis Peristerai	14392	NISOS LEVKAS	14560		
Nisis Petalas	14632	NISOS LIMNOS (GR.)	16888		
Nisis Petrokaravo	15168	NISOS MEYISTI (GR.)	20572		
Nisis Pilos	14908	NISOS MIKONOS	15800		
Nisis Plakhida	20324	NISOS MILOS	15888		
Nisis Planitis	15738	NISOS NAXOS	15876		
Nisis Plati	20356	NISOS NISAKI (GR.)	20384		
Nisis Pondikos	14628	NISOS NISIROS (GR.)	20276		
Nisis Prasoudha	16432	Nisos Othonoi	14380		
Nisis Prasoudhi	14460	NISOS PAROS	15816		
Nisis Profilaki	19810	NISOS PATMOS (GR.)	20088		
NISIS PSERIMOS (GR.)	20192	NISOS PAXOI	14488		
Nisis Psittalia	15376	Nisos Poros	15228		
Nisis Revithousa	15340	NISOS PSARA (GR.)	19900		
Nisis Safonidhi	20200	NISOS RODHOS (GR.)	20388		
NISIS SAPIENTZA	14928	Nisos Salamis	15464		
Nisis Sarakina	20128	NISOS SAMOS (GR.)	20020		
Nisis Saria	20376	NISOS SAMOTHRAKI	16848		
Nisis Sesoula	14568	NISOS SERIFOS	15760		
Nisis Sigi	19732	NISOS SIFNOS	15772		
Nisis Strongili	20364	NISOS SIMI (GR.)	20464		
Nisis Thasopoula	16772	NISOS SIROS	15704		
Nisis Tolo	15148	Nisos Skiathos	16500		
Nisis Tragousa	20392	Nisos Skopelos	16480		
Nisis Trizonia	14800	Nisos Spetsai	15176		
Nisis Vardhianoi	14704	NISOS THASOS	16776		
Nisis Velopoula	15088	Nisos Thira	15950		
Nisis Venetiko	14940, 19992	NISOS TILOS (GR.)	20284		
Nisis Vidhon	14400	NISOS TINOS	15736		
Nisis Volios	14584	NISOS ZAKINTHOS	14724		
Nisis Vorio Podhi	16460	Nivdic	20		
NISIS YIALI (GR.)	20272	Nizhnyi Berdyanskiy	18640		
Nisoi Likhadnes	16380	Njivice	12524		
Nisoi Oinoussai	19936	North Channel	14392		
NISOI STROFADHES	14900	Nos Emine	17612		
Nisoi Tselevinia	15220	Nos Galata	17624		
NISOI VORIAI SPORADHES	16444	Nos Kaliakra	17656		
Nisos Aiyina	15252	Nos Kavaklar	17642		
Nisos Akri	20112	Nos Shabla	17660		
NISOS AMORGOS	15984	Notio Limin	19768		
NISOS ANDIKITHIRA	15076	NOTIOS EVVOIKOS KOLPOS	16272		
Nisos Andimilos	15896	Nouadhibou	24364		
NISOS ANDROS	15656	Nouakchott	24372		
NISOS AYIOS EVSTRATOS (GR.)	16924	Novi Vinodolski	12420		
Nisos Dhokos	15196	NOVIGRADSKO MORE	12768		
NISOS EUVOIA	16508, 16516	Novo Afonskogo	19208		
NISOS EVVOIA	16424	Novo Redondo	25628		
NISOS GAIDHAROS (GR.)	20084	Novokonstantinovskiy	18628		
Nisos Garbia	19720	NOVOROSSIYSKAYA BUKHTA	18980		
Nisos Gavdos	16208	NOVSKO ZDRILO	12748		
NISOS IKARIA (GR.)	20072	Novsko Zdrilo	13508		
Nisos Ios	15944	Novyy Afon	19206		
Nisos Ipsili (Strongili)	20584	Novyy Port	19120		
Nisos Irakleia	15860	Nueva Darsena del Puerto	2004		
NISOS ITHAKI	14644	Nuevo Diga Foranea	7860		
Nisos Kalamos	14604	Nuevo Muelle	2220		

O

Obitochnaya Kosa	18632
Obonjon	13148
OCHAMCHIRE	19236
Ochamchire	19236
ODESSA	17912
Odesskiy Zaliv	17904
ODESSKIY ZALIV TRAFFIC SEPARATION SCHEME	17852
Oidigbe	25036
OIL WELL AREA S. OF CAP LOPEZ	25388
Olbia	8616
Old port, Banchina Manfredi	9620
Olimbias	16710
Olipski Kanal	12804
Oluce Burun	19632
ONDARROA	1832
Opatija	12212
ORAN	22584
Ordu (Piramet)	19444
Oreke tasi	17336
Orencik	17068
Ormos Aiyou	14872
Ormos Alindhas	20132
Ormos Aliveriou	16288
Ormos Altsi	16138
Ormos Ambelakia	15392
Ormos Ammoudhi	15964
Ormos Ampilokhias	14540
Ormos Anavissou	15596
Ormos Andikiron	14832
Ormos Astakou	14620
Ormos Ayios Evfemias	14676
Ormos Ayiou Nikolaou	15060, 15628
Ormos Balitza	15180
Ormos Dhimitri	16676
Ormos Elevrhteron	16720
Ormos Falirou	15544
Ormos Fournoi	20056
Ormos Gaidhourmandra	15614
Ormos Galaxidhiou	14816
Ormos Gavriou	15660
Ormos Gouvion	14414
Ormos Ierakos	15104
Ormos Igoumenitsis	14464
Ormos Kamari	20268
Ormos Kamariotissa	16852
Ormos Kapsaliou	15052
Ormos Karavostasi	15936
Ormos Karistou	16232
Ormos Kastrou	15680
Ormos Katakolou	14896
ORMOS KERAMOTIS	16764
Ormos Kimis	16436
Ormos Kioni	14654
Ormos Kiparissiou	15108
Ormos Koiladhos	15160
Ormos Kolokithias	19952
Ormos Kondias	16900
Ormos Korthiou	15692
Ormos Koumaiikon	20051
Ormos Lardhos	20436
Ormos Limeniou	14980

INDEX – LIGHTS

Ormos Limnis	16348	Otocic Grebeni	12800	Otok Kraprnj	13240
Ormos Linaria	16452	Otocic Grujica	12772	Otok Krbela Vela	13248
Ormos Livadhia	20288	Otocic Hrbosnjak	13300	Otok Krk	12392, 12476, 12484, 12504, 12516
Ormos Loutron	15652	Otocic Kamenjak	12780, 13888	OTOK LASTOVO	13908
Ormos Melingani	15004	Otocic Karantunic	12936	Otok Lavdara	12904
Ormos Merikhas	15644	Otocic Kneza Vela	13832	Otok Lopud	14028
Ormos Milou	15904	Otocic Koldurac (Koludarc)	12288	Otok Losinj	12276
Ormos Moudhrou	16888	Otocic Komorica	13268	Otok Mijet	13948
Ormos Mourtou	14472	Otocic Kormonik	13024	OTOK MOLAT	12836
ORMOS NAVARINOU	14908	Otocic Kosara	12948	Otok Mrduja	13524
Ormos Navpliou	15132	Otocic Kukuljari	13128	Otok Pag	12648
Ormos Naxou	15880	Otocic Lirica	13980	Otok Palagruza	11052
Ormos Neas Epidhavour	15296	Otocic Mali Barjak	13692	Otok Pasman	13010
Ormos Nikopoleos	14500	Otocic Mali Skojic	13764	OTOK PREMUDA	12780
Ormos Oropou	16296	Otocic Maslinjak	13120	Otok Prvic	13156
Ormos Palaska	15456	Otocic Maslinovac	12888	Otok Rab	12588
Ormos Pargas	14480	Otocic Misjak	12684	Otok Rava	12884
Ormos Petrion	16428	Otocic Molunst	14096	Otok Rivanj	12912
Ormos Plantanias	16526	Otocic Morovnik	12808	Otok Scedro	13712
Ormos Plati	16700	Otocic Mrtovnjak	12932, 13140	Otok Sestrunj	12920
Ormos Platijiali	14624	Otocic Muljica	13344	Otok Silba	12792
Ormos Porou	14688	Otocic Murtar	12280	Otok Sipan	14016
Ormos Rafinas	16264	Otocic Osljak	12976	Otok Smokvica Vela	13136
Ormos Salaoras	14532	Otocic Ostarije	13060	Otok Solta	13508
Ormos Semina	15928	Otocic Palacol	12320	Otok Susac	13904
Ormos Sikias	16672	Otocic Planac	13044	Otok Susak	12260
ORMOS SITIAS	16140	Otocic Pohlib	12820	Otok Sveti Jerolim	11992
Ormos Sofikou	15304	Otocic Prisnjak	13076	Otok Tijat	13144
ORMOS SOUDHAS	16040	Otocic Proizd	13900	Otok Tun Veli	12860
Ormos Stilidhas	16392	Otocic Ravan	13296	Otok Unije	12120
Ormos Stratoni	16708	Otocic Razanac Veli	12728	Otok Vir	12824
Ormos Thessalonikis	16608	Otocic Ricul	13020	OTOK VIS	13668
Ormos Thorikos	15617	Otocic Sestrice	12872	Otok Zirje	13292
Ormos Tristoma	20380	Otocic Sikavic Mali	12680	Otok Zmajan	13272
Ormos Vasilikis	14576	Otocic Skoljic	13784	Otranto	10792
Ormos Vatika	15036	Otocic Stupe Velike	13860	Oued Sebou	22956
ORMOS VISTONIAS	16796	Otocic Sv. Katarina	13056	Ounianisia	20336
Ormos Volissou	19912	Otocic Sv. Marko	12364	Ozereevskiy	18976
Ormos Vouliagmenis	15588	Otocic Sveta Katerina	12008	Ozero Shagany	17820
Ormos Xilis	15024	Otocic Sveti Andrija	12016		
Ormos Yialtrou	16372	Otocic Sveti Nikola	14244		
ORTONA	11128	Otocic Sveti Petar	12272		
Osor	12144	Otocic Tajan Velji	13940		
Ostri Rat	12992	Otocic Tegara	13088	Pag Luka	12688
Ostri Rt	14100	Otocic Trata	12848	PAGASITIKOS KOLPOS	16528
Ostrov Berezan'	18008	Otocic Tri Sestrice	12908	Paimboeuf	1028
Ostrov Biryuchiy	18608	Otocic Trstenik	12332	PAKLENI KANAL	13592
Ostrov Bolshevik	17572	Otocic Tun Mali	12856	Pakleni Otoci	13592
Ostrov Dzharylhach	18210	Otocic Tunera	12616	PALAMOS	5916
Ostrov Skrda	12816	Otocic Uljanik	12032	Palata delle Ceppe	11504
Ostrov Utrish	18964	Otocic Velika Murvica	13348	Palavas les Flots	6264
Ostrov Zmeinyy	17772	Otocic Visoki	12136	PALERMO	9908
Ostrova Dambovyy	17886	Otocic Visoki (Altijez)	11928	Palm Point	25056
Otocic Babac	13032	Otocic Vrtlac	12852	Panjon	3048
Otocic Balabra Vela	12940	Otocic Zabodaski	12284	Paola	9680
Otocic Blitvenica	13304	Otocic Zecevo	12132, 13644	Paphos Point	20836
Otocic Cavatul	13048	Otocici Artice	13064	Parrote Spur	2592
Otocic Daska	14044	Otocici Sestrice	13864	Pasabahce	17432
Otocic Dolfin	12632	Otok Bisevo Kobila	13704	Pasajes Ancho	1728
Otocic Drvenik	13264	Otok Cres	12140, 12324	Pasalimani Adasi	17160
Otocic Dvanka	13256	Otok Dolin	12604	PASMANSKI KANAL	13010
Otocic Galesnjak	13016	Otok Drvenik Mali	13352, 13356	Pass Mirabeau	6596
Otocic Galiner	11936	Otok Hvar	13596, 13616	PASSAGE DE LA TEIGNOUSE	692
Otocic Galisnik	13600	OTOK IST	12828	Passagio dei Fornelli	8266
Otocic Galun	12468	Otok Kakan	13284	Passagio Piccolo	10680
Otocic Glavat	13944	Otok Kalocep	14032	Passe Cigogne	22196
Otocic Golac	12844	Otok Kaprije	13276	Passe de l'Estaque	6564
				Passe de la Citadelle	576

P

INDEX – LIGHTS

Passe de la Joilette	6632	Plicina Prutna	12676	Pointe Saint Marc	7074
Passe de la Madrague	6612	Plicina Rozenik	13180	Pointe San Antonio	25210
Passe de Saumaty	6584	Plicina Sajda	12952	Pointe Souellaba	25234
Passe du Cap Janet	6604	Plicina Sestre	13152	Pointe St. Barbe	1680
Passe Leon Gourret	6588	Plicina Silo	13452	Pointe St. Cyprien	8156
Passe Sud	1524	Plicina Tunja (Jezicac)	14140	Pointe St. Martin	1660
PATRAIKOS KOLPOS	14744	Plicina Vranjak (Greda)	13780	Pointe Sud de Pozzoli	8160
Paul do Mar	23716	Plicini Paklena	13220	Pointe Vecchiaia	8080
Pazar	19364	Plicinia Debeli	11812	Poljud	13446
Pedaso	11188	Plomarion	19712	Poluotok Peljesac	13968
Pedras de Mae-Isabel	25596	Po di Goro	11428	Pomorje	17604
Pedro Alvarez	24552	Podhi	16456	Ponta Albina	25720
Peksimet Adasi	20532	Podurinj (Urinj)	12336	Ponta Arlete	24508
Pelican Point	25756	Pohlbski Kanal	12816	Ponta Bernafel	24520
PELJESKI KANAL	13832	Point Cacavento	7976	Ponta Biombo	24512
Pena Grande	24304	Point Chu Kalya	17576	Ponta Colonia	24568
Pena Horadada	2028	Point du Millier	240	Ponta da Barca	23500
Pendik	17293	Pointe Bulabemba	25524	Ponta da Ferraria	23568
Penedo da Saudade	3312	Pointe Colombi	22512	Ponta da Forcada	23472
Pengarne	618	Pointe d'Azemmour	23140	Ponta da Gaivota	3587
PENICHE	3344	Pointe d'Oukacha	23096	Ponta da Garca	23628
Peniche de Cima	3344	Pointe de Blancpignon	1636	Ponta da Ilha	23404
Peniscola	5520	Pointe de Cansado	24360	Ponta da Marca	25724
Pensola Magnisi	10308	Pointe de Chanchardon	1316	Ponta da Mina	25172
Perama	15480, 19776	Pointe de Chauveau	1324	Ponta da Ribeirinha	23344
Perast	14196	Pointe de Combrit	420	Ponta da Serreta	23504
Perduto	7960	Pointe de Corsen	80	Ponta da Vera Cruz	24168
PERTUIS D'ANTIOCHE	1316	Pointe de Dellys	22348	Ponta das Lagostas	25576
PERTUIS DU BRETON	1240	Pointe de Grave	1504	Ponta das Palmeirinhas	25600
PESARO	11296	Pointe de Grosse Terre	1168	Ponta das Salinas	25664
PESCARA	11151	Pointe de Kerdonis	668	Ponta de Santo Antonio	3320
Petit Impairs	888	Pointe de l'Arenella	7968	Ponta de Sao Lourenco	23740
Petite Passe	6836	Pointe de l'Esperance	624	Ponta de Sombreiro	25648
Petrolejska	12226	Pointe de L'Espiguette	6320	Ponta de Tumbo	24080
Petrovskoi	18668	Pointe de la Coubre	1476	Ponta Delgada Harbor	23588
Piedra Burela	2368	Pointe de la Croix	544	Ponta do Altar	3644
Piedra da Sacramento	2136	Pointe de la Desirade (Le Pharo)	6628	Ponta do Amel	23636
Piedras del Sargo	2732	Pointe de la Madonetta	7964	Ponta do Barril	24132
Pierre Moine	1088	Pointe de la Presquile	6040	Ponta do Cintrao	23640
Pilar	3492	Pointe de la Tour	23180	Ponta do Dande	25572
Pilos	14916	Pointe de la Vieille	6828	Ponta do Giraul	25688
Pinheiro da Cruz	3570	Pointe de Mindin	962	PONTA DO LOBO	24224
Piraeivs	15524	Pointe de Morgat	212	Ponta do Lobo	24220
Piran	11848	Pointe de Mus de Loup	1472	Ponta do Malmerendo	23668
PIRANSKI ZALIV	11848	Pointe de Penlan	792	Ponta do Padrao	25532
Pirasa Adasi	19812	Pointe de Sablanceaux	1312	Ponta do Pargo	23712
Piraziz Burnu	19440	Pointe de Sebra	22104	Ponta do Sao Mateus	23380
Pirovac	13072	Pointe de St. Gildas	912	Ponta do Sino	24164
PIROVACKI ZALIV	13068	Pointe des Chats	548	Ponta do Sol	24088
Piryos Burna	19368	Pointe des Corbeaux	1148	Ponta do Topo	23480
Plateau de Birvideaux	636	Pointe des Dames	1080	Ponta dos Frades	25668
Plateau de Cordouan	1480	Pointe des Pilotes	6036	Ponta Grossa	25680
PLATEAU DU FOUR	820	Pointe des Poulains	644	Ponta Jalunga	24236
PLATEAU DU ROCHEBONNE	1224	Pointe Djerda	22280	Ponta Machado	24096
Playa de Aro	5912	Pointe du Coq	424	Ponta Moreia	24224
Playa del Curro	2836	Pointe du Devin	1104	Ponta Nho Martinho	24240
Playade Santiago	23825	Pointe du Sablom	6344	Ponta Nornonha	25708
Plicina Albanez	12048	Pointe du Scal	800	Ponta Piambo	25684
Plicina Glavina	12556	Pointe du Toulgoet	416	Ponta Preta	24228
Plicina Kalimanj	14142	Pointe du Toulanguet	140	Ponta Rosais	23448
Plicina Kocerka	13040	Pointe Gombe	25316	Ponte da Piedade	3624
Plicina Krapanj	13236	Pointe Grouin du Cou	1240	Ponte de Carvao	3760
Plicina Kusija	13068	Pointe Kupundji	25516	Pontevedra	2860
Plicina Minerva	13028	Pointe Notre Dame-de Monts	1120	Pontile Chevron	7484
Plicina Mramori	11932	Pointe Owendo	25356	Pontile Chiapparo	10672
Plicina Peles	13320	Pointe Revellata	8044	Pontile del Faro	8232
Plicina Prizna	12578	Pointe Rouge	6676	Pontile ENEL	7780

INDEX – LIGHTS

Pontile Esso	7440	Porticciolo Sannazzaro	9424	Portonovo	2848
Pontile Etoile	9812	Portici	9516	PORTOVECCHIO DI PIOMBINO	9000
Pontile Fornicoke	7420	Porticiollo San Bartolomeo	7800	Portovenere	7700
Pontile G. Massima	8904	Portiglione	9024	Port-St.-Louis-du-Rhone	6404
Pontile I.P.	7456	Portinho do Canal	3592	Posidhonia	14852
Pontile Ilva Nord	9404	Portisco	8671	Postire	13552
Pontile Ilva Sud	9412	Portixol	4912	Potiyskiy	19284
Pontile INMA	7788	PORT-LA-NOUVELLE	6100, 6108	Poyraz Burnu	17020
Pontile Montecantini	9416	Port-Manech	508	Pozzallo	10196
Pontile Sant Elmo	8524	Porto Alexandre	25716	Praia da Aguda	3264
Pontile Vadoil	7472	PORTO ALGHERO	8286	Prainha	23428
Port Aguiño	9500	Porto Azzurro (Longone)	8940	Prasonisi	20033
Portale Vittorio Veneto	9916	PORTO BUSO	11592	Prasso	19936
Popovka	18248	Porto Cesareo	10752	Prcanj	14212
POREC	11908	Porto Civitanova	11196	Preguica (Porto Velho)	24136
Pornic	1032	PORTO CONTE	8276	Preko	12972
Pors-Poulhan	304	Porto Conte	8280	PRESQU'ILE DU CAP VERT	24388
Port Aguino	2736	PORTO CORSINI (MARINA DI RAVENNA)	11368	Prigradica	13724
PORT AMBONNE	6148	Porto Covo	3588	Primosten	13308
Port Azovstal	18752	Porto da Caloura	23612	Prirovo	13684
Port Bandol	6744	Porto da Pedra de Lume	24176	Pristan	14120
Port Bloc	1516	Porto das Barcas	3360, 3608	Procida	9368
Port Bouet	24840	Porto das Pocas	23296	Propriano	7992
Port Camargue (Espiguette)	6288	Porto das Velas	23452	Prvic Sepurue	13160
Port de Bouc	6468	Porto de Ana Chaves	25192	Puebla del Caraminal	2780
Port de Cogolin	7008	Porto de Capelas	23648	Puerto Cementero	24016
Port de Fos	6396	PORTO DE MESSINA	9768	PUERTO DE ALCUDIA	
PORT DE JOUN'E	21094	Porto del Valle	9084	5096	
Port de la Couduriere	6768	Porto di Cortellazzo	11558	Puerto de Andraitx	5020
Port de la Galere	7072	Porto di Goro	11424	Puerto de Arrecife	24052
Port de la Gravette	916	PORTO DI GRADO	11608	PUERTO DE BENALMADENA	4324
Port de la Lave	6560	PORTO DI LIDO	11508	Puerto de Benidoom	4720
Port de la Madrague	6678	Porto di Piave Vecchia	11556	PUERTO DE BERMEO	1868
Port de la Mede	6520	Porto di Ponza	9232	PUERTO DE CABO DE PALOS	4604
Port de Mediq	22836	PORTO DI TRIESTE	11676	Puerto de Cabrera	4864
Port de Peche	1036	Porto Dinheiro	3364	Puerto de Campos	4876
Port de Valras	6108	Porto do Bolama	24564	Puerto de Candelaria	23920
Port des Pecheurs	1672	PORTO EMPEDOCLE	10116	Puerto de Carboneras	4500
Port du Frioul	6664	Porto Franco Vecchio	11680	Puerto de Corralejo	24042
Port du Mourillon	6840	PORTO GARIBALDI	11400	Puerto de Escarbote	2784
Port du Niel	6892	Porto Grande	24116	Puerto de Escombreras	4568
Port du Plomb	1256	Porto Industriale	10708	Puerto de Fornells	5228
PORT ERCOLE	9112	Porto Judeu	23536	Puerto de Hierro	23804
Port Formoso	23644	Porto Kayio	15000	Puerto de Ibiza	4808
PORT GENTIL	25372	Porto Levante	11448	Puerto de la Cruz	23842
Port Grimaud	7016	Porto Lignano	11576	Puerto de La Sabina	4756
PORT HALIGUEN	732	Porto Marmorea	10268	Puerto de la Selva Punta Semella	5992
Port Levkinnis	14440	Porto Massimo	8840	PUERTO DE LAREDO	1980
Port Louis	584	Porto Navo	24084	Puerto de Lastres	2128
Port Mariupol	18716	Porto Nuevo	10612	PUERTO DE LOS ALFAQUES	5568
Port Methanier	22252	Porto Palo	10216	Puerto de los Cristianos	23836
PORT NOLLOTH	25824	Porto Preco Leve	24564	Puerto de Mahon	5240
Port of Lome	24932	Porto Refugio	10152	Puerto de Morro Jable	24027
Port Soplaya	5424	Porto Rotondo	8669	PUERTO DE MOTRICO	1820
Port Trudy	536	Porto Salazar	25692	Puerto de Orio	1802
PORT VENDRES	6024	PORTO SALVO	9276	PUERTO DE PASAJES	1728
PORT'E PALERMOS	14368	Porto San Giorgio	11190	Puerto de Portman	4596
Port-Frejus	7039.5	PORTO SANTO STEFANO	9084	Puerto de Restinga	23810
Port-Gallice	7124	Porto Simis	20476	Puerto de Sada	2540
Porthmos Evripou	16320	Porto Sole	7304	PUERTO DE SAN CIPRIAN	2376
Porticciolo	8604	Porto Torres	8216	PUERTO DE SAN JOSE	4494
Porticciolo del Molosiglio	9440	Porto Vasto	11104	Puerto de Sebastian	23816
Porticciolo di Cannigione	8742	Porto Vecchio	8168, 10604	Puerto de Siles	5449
Porticciolo di Capossele	9296	Porto Verde	11317	Puerto de Soller	5040
Porticciolo di Santa Lucia	9432	Porto-Canto	7100	Puerto de Tapia de Casariego	2332
Porticciolo di Terre Vecchie	10336	Portoferraio	8896	Puerto de Tarifa	4120
Porticciolo San Lacopo	7928	PORTOFINO	7636	Puerto de Vallcarca	5736

INDEX – LIGHTS

PUERTO DE VEGA	2308	Punta del Castillete	24023.7	Punta Roncadoira	2410
Puerto de Viavelez	2320	Punta del Coppo	7644	Punta Rondinella	10728
Puerto del Rosario	24036	Punta del Diavolo	11076	Punta S. Antonio	9272
Puerto Deportivo	5928	Punta del Espero	5238	Punta S. Giovanni	8944
Puerto El Grove	2828	Punta del Fangal	5600	Punta Sa Platja	5168
Puerto las Fuentes	5519	Punta del Ferraione	8864	Punta Sabinal	4440
Puerto Luba	25146	Punta del Hidalgo	23854	Punta Salippi	8265
Puerto Pesquera	2876	Punta del Molino	5916	Punta San Carlos	5240
Puerto Pesquero	4456	Punta del Pescador	1984	Punta San Cataldo	10892
Puerto Pesquero Muelle de Poniente	3992	Punta del Picacho	3844	Punta San Cataldo di Lecce	10808
Puerto Petro	5160	Punta del Roncudo	2616	Punta San Emeterio	2112
Puerto Rico	24022	Punta della Guardia	9224	Punta San Leonardo	10500
Punat	12492	Punta della Maestra	11436	Punta San Nicola	10796
Punta Ala	9032	Punta della Penna	11100	Punta San Raineri	9768
Punta Alice	10624	Punta di Portofino	7636	Punta San Salvatore	9776
Punta Almina	22840	Punta do Egitto	25636	Punta San Simone	10008
Punta Anciola	4852	Punta El Bancal	5192	Punta Santa Barbara	9116
Punta Arena Bianca	10472	Punta Europa (Los Frailes)	25112	Punta Santa Maria	7720
Punta Arinaga	24008	Punta Faro	2412	Punta Santa Teresa	7820
Punta Barcelonesa	25144	Punta Favalaro	10456	Punta Sardinia	23928
Punta Bombarda	4724	Punta Fenaio (Fienai)	9092	Punta Sdobba	11634
Punta Borneira	2960	Punta Gaviota	24034	Punta Secca	9772
Punta Caballo	2768	Punta Gennalena	10328	Punta Socastro	2416
Punta Cabeiro	2700	Punta Guera	24336	Punta Sottile	10020
Punta Cala Sabina	4752	Punta Guitgia	10460	Punta Spadilo	10480
Punta Cala Scirocco	8860	Punta Imperatore	9328	Punta Stilo	10584
Punta Campanella	9568	Punta Insua	2684	Punta Subrido	2912
Punta Canabal	2924	Punta Jandia	24024	Punta Tagliamento	11572
Punta Carena	9572	Punta La Blanca	2288	Punta Tenaza	3032
Punta Carnero	4128	Punta la de Unidad Africana(Punta Fernanda)	25120	Punta Tenlo Chico	2856
Punta Castelluccio	10244	Punta Lage	2628	Punta Tracino	10484
Punta Chíncho	4796	Punta Lameda	2936	Punta Tramontana	5036
Punta Coda Sardegna	8836	Punta Lantaila	24032	Punta Trench	5996
Punta Corballera	5572	Punta Lava	23801	Punta Vagno	7612
Punta Coscio	10630	Punta Lazareto	5252	Punta Varo	9220
Punta Couso	2896	Punta Libeccio	10004	Puntarska Draga	12488
Punta Creveta	4860	Punta Ligata	8672		
Punta Cumplida	23780	Punta Limarsi	10492		
Punta de Abona	23828	Punta Lingua	9852		
Punta de Anaga	23852	Punta Lucero	1908		
Punta de Buenavista	23838	Punta Marsala	10016		
Punta de Cala Nans	5984	Punta Mbode	25264		
Punta de Frouxeira	2458	Punta Mbonda	25248		
Punta de Fuencaliente	23800	Punta Michom	5508		
Punta de la Avanzada	5072	Punta Mortella	8076		
Punta de la Bana	5568	Punta Moscarter	4804		
Punta de la Barca	2656	Punta Nadar	22912		
Punta de la Bateria	5148	Punta Nariga	2613		
Punta de la Batteria	5972	Punta Nati	5220		
Punta de la Creu	5044	Punta Omo-Morto	9956		
Punta de la Doncella	4280	Punta Orquilla	23808		
Punta de la Espina	2108	Punta Palau	8832		
Punta de la Mona	4411	Punta Paloma	4112		
Punta de la Polacra	4495	Punta Paratella	8852		
Punta de la Silla	2096	Punta Pechiguera	24048		
Punta de la Torre de San Pedro	1776	Punta Pezzo	9720		
Punta de Lago	2636	Punta Piopetto	9364		
Punta de Landana	25492	Punta Plana	4888		
Punta de las Piedras	4064	Punta Polveraia	8884		
Punta de Ne Cafayes	5256	Punta Porticello	9892		
Punta de San Cristobal	23812	Punta Puntasa	4884		
Punta de San Jose	25196	Punta Queixal	2688		
Punta de Tazones	2132	Punta Raisi	9940		
Punta de Teno	23840	Punta Rasca	23832		
Punta de Torrox	4408	Punta Rebollera	2276		
Punta de Villacaras	5264	Punta Robaleira	2904		
Punta del Capel Rosso	9104				

Q

QABIS (GABES)	21808
Qaitbai	21340
QARQANAH	21856
Qishon (Kishon)	21228
Qua Iboe	25070
Quai du Canada	1144
Quicombo	25632

R

Ra's al Bara Barq	21628
Ra's al Basit	20988
Ra's al Fasuri	20992
Ra's al Hallab	21640
Ra's al Hilal	21484
Ra's al Ma'murah	21976.6
Ra's Alam ar Rum	21420
Ra's Amir	21492
Ra's Amshit	21084
Ra's ash Shaq'ah	21072
Ra's at Tin	21344, 21468
Ra's Azzaz	21436
Ra's Bayrut	21116
Ra's el Shaiq	21418
Ra's Iban Hani	20996
Ra's Taguermess	21764
Ra's Tajura	21644
Ra's Thinah	21836

INDEX – LIGHTS

Rabat	23036	Rio Landrove	2420	Rt Madona	11848
Rabo de Peixe	23652	Rio Lima	3100	Rt Mali Voz	13788
Rada della Reale (Reale Roadstead)	8268	Rio Marina	8936	Rt Manganel	12508
RADA DI VADO	7408	Rio Neiva	3120	Rt Marjan	13428
Rade d'Agay	7060	RIO NUNEZ	24600	Rt Marlera	12060
Rade de Brescou	6140	RIO ODIEL (HUELVA)	3840	Rt Melin	12164
RADE DE LOME	24928	RIPOSTO	10436	Rt Mendre	14272
Rade-Abri	176	Risan	14200	Rt Mirina (Mirna)	13776
Radio Atlantico	23936	Risanski (Morinski) Zaliv	14188	Rt Mulac	12072
Raftis	16252	Rivedoux-Plage	1304	Rt Munat Skrajni	12056
Ramla Tal-Mgarr	10508	RIVIERE L'ABBE	400	Rt Murteric	13124
Rapallo	7652	RIZE	19368	Rt Negrit	12484
Rapita	4887	Robbeneiland	25968	Rt Okruk	13380
Ras Afia	22308	Roche Akcine (Axin)	22212	Rt Opatovo	14168
Ras el Kalia	22444	Roche Mengam	168	Rt Ostrica Vela	13252
Ras el Mingar	21504	Rocher d'Antioche	1416	Rt Pelegrin	13596
Ras el Moghreb	22288	Rocher de Roquerols	6244	Rt Petelin	11836
Ras Engela	22132	Rocher Les Duex Freres	22704	Rt Pinida	11996
Ras Kapudia (La Chebba)	21900	Roches-Noires	23100	Rt Pisak	12744
Ras Qartajamah	22040	Rochetta	11488	Rt Platamon	14240
Raschid	21324	Rompeolas de Amandarri	1844	Rt Poljana	12296
Rasohe	13298	Rompido de Cartaya	3828	Rt Povelja	13560
RAZ DE SEIN	268	Rouquetas de Mar	4444	Rt Prascarica	12088
Razanac	12732	Rosape	1868	Rt Prestenice	12172
REFINERIA DE CASTELLON	5476	Rosmeur	232	Rt Proversa	12875
Reggio di Calabria	9736	Rossentz	17577	Rt Prutna	12672
REKA BUG	18095	ROTA	3900	Rt Rascatna	13564
REKA DNEPR	18164	Rota Faro	3908	Rt Rasnjic	13872
REKA RVACH	18172	Rota Fishing Harbor	3912	Rt Rat	13096, 13260
Restinga	25644	ROVINJ	11944	Rt Razanj	13528
Resulhinzir	20832	Royan	1536	Rt Rdakova	14216
REYD ADLER	19164	Rt Arat	12796	Rt Rep Kieka	13792
Reydovvy	17912	Rt Artatur	13364	Rt Sajalo	12544
RHONE RIVER ENTRANCE	6360	Rt Baba	13212	Rt Seka	12064
RIA DE AROSA	2724	Rt Babno	12356	Rt Seljanovo	14156
RIA DE AVILES	2240	Rt Bad	13740	Rt Senisna	13200
RIA DE CAMARINAS	2640, 2680	Rt Baljenica	12748	Rt Sip	12176
RIA DE CORCUBION	2668	Rt Blaca	13804	Rt Skuljica	12464
RIA DE CORME Y LAGE	2616	Rt Bonaster	12836	Rt Sorinj	12592
RIA DE EL FERROL	2464	Rt Brzac	12760	Rt Sridnji	12340
RIA DE MARIN	2840	Rt Celjen	13772	Rt Stoncica	13672
RIA DE MUROS Y NOYA	2688	Rt Cuska	12875.5	Rt Strazica	12460
Ria de Navia	2316	Rt Debela Nozica	12724	Rt Struga	13912
RIA DE RIBADEO	2340	Rt Debeli	13196	Rt Stupisce	13700
RIA DE ROSA	2752	Rt Fortica	12720	Rt Suha	12324
RIA DE SAN VICENTE DE LA BARQUERA	2096	Rt Frkanj	12612	Rt Sv. Ivan	13836
RIA DE SANTONA	1984	Rt Glavina	12368	Rt Sv. Mikula	12504
Ria de Suanes	2068	Rt Glavotok	12512	Rt Svet Ante	13204
RIA DE VIGO	2904	Rt Gospa	14184	Rt Sveta Eufemija	11944
RIA DE VIVERO	2412	Rt Gradina	13328	Rt Sveti Andrija	12104
RIA DEL BARQUERO	2432	Rt Jadrija	13184	Rt Sveti Mikula	12080
RIBADESELLA	2120	Rt Jurisnica	12580	Rt Sveti Nedlja	14164
Ribeira Brava	23720	Rt Juzni Turan	13216	Rt Sveti Nikola	12700
RIBEIRA DE ARADE (PORTIMAO)	3644	Rt Kabal	13628	Rt Tarej	12196
Ribeira de Barca	24232	Rt Kalifront	12596	Rt Tokal	12416
Riccione	11320	Rt Kamik	12878	Rt Torunza	12292
RIJECKI ZALIV	12200, 12336, 12516	Rt Konj	13176	Rt Turnac	12380
Rijeka Dubrovacka	14048	Rt Korotanja	12752	Rt Turski	14180
Rimini	11324	Rt Kovacine	12156	Rt Ubas (Ubac)	12068
RIO CACHEU	24484	Rt Kremik	13316	Rt Veli Pin	12472
RIO DE ORO PENINSULA	24308	Rt Kristo	12000	Rt Veli Rat	12864
Rio dos Flamengos	25712	Rt Kristofor	12704	Rt Veli Zaglav	13876
Rio Ebro	5599	Rt Kucica	12076	Rt Velo Dance	13884
RIO GEBÁ	24500	Rt Kumpare	12004	Rt Verudica	12036
RIO GUADALQUIVIR (SANLUCAR DE BARRAMEDA)	3864	Rt Kurila	12276	Rt Vidilica	12874
RIO GUADIANA	3800, 3820	Rt Lakunji	12128	Rt Vnetak	12120
		Rt Lovisce	13820	Rt Volovica	14260

INDEX – LIGHTS

Rt Voscica	12376
Rt Vranac	12832, 13892
Rt Vranine	12756
Rt Zali	12647
Rt Zdrijac	12764
Rt Zub	11904
Rufisque	24440
Rumeli Burnu	17496
Rumelihisari	17420
Rybachiy	18360

S

Sa Raqueta	4916
Sa Trona	5200
SAFI	23180
Saiadah (Sayada)	21924
Saint Antioco Ponti	8440
Saint Antoine	6472
SAINT GUENOLE	312
Saint Jacques en Sarzeau	776
Saint Jean-Cap Ferrat	7220
Saint Nicolas	1500
Sainte Maxime-sur-Mer	7024
SAINT-GILLES-SUR-VIE	1160
Saint-Jean-de-Monts	1124
Saint-Louis	24380
Saint-Nazaire	972
Saka	20688
Sakarya	19660
Salange	15820
Saldanhabaai	25896
SALEARN	9604
Saline de Montebello	9748
Salipazari Rihtimi	17388
Saluga	11976
Sami	14680
SAMSUN	19476
San Adrian de Besos	5864
San Benedetto del Tronto	11176
San Carlos de la Rapita	5576
SAN ESTEBAN	2248
SAN FELIU DE GUIXOLS	5900
San Foca di Melendugno	10804
San Marco di Castellabate	9628
San Martin	2476
San Nicolas	5196
San Pedro	24768
San Pedro del Pinatar	4636
SAN REMO	7292
SAN SABBA	11752
SAN SALVADOR	5692
SAN SEBASTIAN	1788
San Vito Chietino	11124
Sanacak Burnu	20228
Sanary-sur-Mer	6764
SANCTI PETRI	4060
Sangenjo	2852
Santa Clara	23580
Santa Croce di Trieste	11660
Santa Cruz de la Palma	23784
Santa Cruz de Tenerife	23859
Santa Eugenia de Riveira	2764
Santa Lucia	7048
SANTA MARGARITA	5964
Santa Margherita Ligure	7648
Santa Ponza	5013

Sant-Ambrogio	8064
SANTANDER	2020
Santiago	23892
Santo Amaro	23432
Santo Antonio	25536
Santo Antonio do Principe	25176
Santurce	1939
Sanzheyskiy	17848
Sao Jorge	23744
SAO MARTINHO DO PORTO	3320
Sao Mateus	23560
Sao Sebastiao	25192
Sapan	12526
Sapri (Pisacane)	9664
Saranti	14834
Saraylar	17148
SARONIKOS KOLPOS	15228, 15328
SAROS KORFEZI	16944
Sarroch	8456
Sassandra	24788
Sauzon	648
Savellettri	10860
SAVONA	7490
SAYDA (SIDON)	21140
Sayiadhiaa	14456
Scaramia	10184
Scario	9660
Scauri	9310, 10496
Schoeman Dock	26016
SCIACCA	10096
Sciara Biscari	10400
Scilla	9708
Scoedec	336
Scogli Porcelli	10036
Scogli Porri	10208
Scoglietto	8892
Scoglio d'Africa	8976
Scoglio Mangiabarche	8428
Scoglio Ravia	9240
Scoglio Vervece	9564
Scogliitti	10180
SEA OF MARMARA (MARMARA DENIZI)	17052
Secca Corsara	8848
Secca dei Berni	8556
Secche del Cervo	8720
SECCHIE DELLA MELORIA	7872
Secche di Ugento	10778
Secche di Vada	8980
Seddulbahir	16960
Sedovo	18776
Sehir Adalari	20240
SEKONDI	24868
Selce	12412
Selenitsa	14976
Selimiye	20652
Selinti Burnu	20660
Selvi Burnu	17456
SENIGALLIA	11268
Senj	12436
Seno del Canneto	10772
Seno del Priolo	10316
Seno di Panigaglia	7728
Senocozulua	1736
Serpa Bank	14398
Servola	11748
SESIMBRA	3508
Sestri Levante	7692

SETE	6164, 6248
Sevastopol	18272
Severnnyy Portovyy	17876
SFAX	21845
Shen Nokole	14332
Shen Vasilit	14352
SHENGJIN	14280, 14328
Siangkoppunt	26064
Sibanski Kanal	12792
Sibenska Vrata	13172
SIBENSKI KANAL	13236
Sibenski Kanal	13164
Sidi al Hachmi	22938
Sidi Barrani (Ras Haleima)	21424
Sidi Bou Afi	23144
Sidi Daoud	21990
Sidi Ferruch	22432
Sidi Magdul	23216
Sidi Mechrig	22138
Sidi Mesbah	23148
Sidi Otman	21648
Sidi Suwaykir	21500
Silbinski Kanal	12804
Sile Burnu	19680
Sile Limani	19684
Silivri	17080
Simulambuco	25508
SINES	3572
SINGITIKOS KOLPOS	16668
SINO BAY	24752
Sinop	19512
SIRACUSA	10244
Sirte	21624
Sivriada	17316
Sivrice Burnu	19700
Sivrikaya Burnu	17236
Sjeverna Luka	11956
Skaha Gerakini	16656
Skala	15941
Skala Kamiros	20396
Skala Livanates	16356
Skala Oreon	16416
Skartsoumbonisi	14660
Skikda	22240
Skopeloi Tragos	20100
Skrivena Luka	13908
Slano	14004
Slatine	13400
SOCHI	19132
Soguksu Limani	20668
Solenzara	8137
Soline	12392
Soline-Brela	13502
Solodunova	18258
Som Adasi	20460
Somos	2120
Sorrento	9560
South Head	25948
South Point	24752
Spalathronisi	15300
Spanish Fort	21652
SPLITSKI KANAL	13508
Spur mole	377
Spur normal to Dique Rompeolas	1876
Srebreno	14068
SREDNJI KANAL	12876
St. Elmo	10548

INDEX – LIGHTS

ST. HELENA (U.K.)	26100
St. Helenabaai	25876
St. Laurent-du-Var	7168
St. Louis Grandiole	24384
St. Martin	1292
St. Paul's Bay	10528
St. Pierre	1512
St. Raphael	7040
St. Sostis Point	16410
St. Trojan	1440
Stanicic	14152
Stanislav	18088
Stara Savudrija	11870
Starigrad	12736
Stenon Avlidhos	16308
STENON PREVEZIS	14504
Stintino	8264
Stompneus Punte	25880
Ston	13996
Stonski Kanal	13992
STRAIT OF BONIFACIO	7944, 8188
STRETTO DI MESSINA	9704
Su Arrasolu	8640
Sudurad	14030
SUEZ CANAL	21293
SUKHUMI	19212
Sunk Rock	20544
Supetar	13544
SUR (TYRE)	21192
Surmene	19380
SUSAH	21948
Susah	21956
Susak	12248
Sutivan	13540
Sutomiscica	12964
Sv. Jerolim	13608
Sv. Stasije	14208
Sveti Athanas	17616
Sveti Ivan	17564
Swakopmund	25752
Sychavskiy	17992

T

Tabarja	21092
TABLE BAY	25976
TAGANROGSKIY ZALIV	18680
Tagrin Point	24688
TAKORADI BAY	24852
Talej	14292
Tamanskiy	18552
Tamentfoust (La Perouse)	22372
Tanger Boukhalf	22900
TARABULUS (TRIPOLI)	21048, 21652
TARANTO	10640
Tarfaya	23270
Tarifa	4116
TARRAGONA	5652
Tarsan Adasi	20018
Tasucu	20680
TAVIRA	3780
Tavsan Adasi	17116
Tavsan Adasi (T.)	16884
Tavson Adasi	19816
Tazacorte Harbor	23802
Teboulba	21921
Tekagac Burnu	20160

Teke Burnu	19996
Tekirdag	17064
Tel Ashqelon	21272
TEL AVIV	21240
TEMA	24896
Temerosa	24204
TENDEROVSKAYA KOSA	18180
Tendrovskiy	18184
Tendrovskiy-Zheleznyy	18200
TENES	22492
TERMINI IMERESE	9868
TERMOLI	11080
TERRACINA	9248
Terrasini	9952
Terre Negre	1496
Tetouan	22828
Tevennec	276
Thasos	16776
Theodhoros	14708
Theoule-sur-mer	7076
THERMAIKOS KOLPOS	16564
Thira Skala	15960
Tihi Kanal	12364
Tin Can Island	25016
TIPASA	22444
Tirebolu	19420
Tivat	14148
Tivatski Zaliv	14128, 14184
Tjesnac Verige	14164
Topan	20205
Toprak Ada	19972
Tori di Foce Verde	9212
Torra Mare (Torre Pelosa)	10888
Torre Canne	10856
Torre d'en Beu	5172
Torre de Hercules	2548
Torre del Greco	9524
Torre Grande	8324
Torre Proposti	11036
Torre San Giovanni	10776
Torre Sant' Andrea	10800
Torre Valdaliga	9136
Torre vieja	4640
TOULON	6808
Tour de La Chaume	1220
Tourelle Juliar	1428
Tourelle Pecorella	8152
Tourelle Richelieu	1380
Tourelle Tignoso	8088
Tourkolimano	15408
Tower of Lions	21060
Trabzon	19388
TRANI	10972
Treboul	236
Treis Boukes	16445
Treitchville	24836
TREVIGNON	504
Trezien	76
Tricase	10784
TROGIRSKI ZALIV	13368
Tropea	9700
Trstenik	13968
Trsteno	14012
Tsaregradskoye Giral	17840
Tsimeda	16085
TUAPSE	19108
Tulmaythah	21496

Turina	9688
Tuzla Korfezi	17224
Tyemryuk	18928

U

Ubli (Sv. Petar)	13932
Ugljan	12956
Ugurlu Iskelesi	16940.5
Ulcinj	14276
Umur Banklari	17458
Unye	19460
Urla	19870
Urzelina	23468
Uvala Bijar	12140
Uvala Blaca	13764
Uvala Brestova	12112
Uvala Dragoca	12264
Uvala Komaseva	12928
Uvala Kristofor	12600
Uvala Luka (Lovisce)	13824
Uvala Mandre	12648
Uvala Podgora	13588
Uvala Portoroz	11860
Uvala Pribinja	13616
Uvala Siroka	12828
Uvala Splitska	13548
Uvala Stara Novallja	12640
Uvala Stomorska	13516
Uvala Teplica	12092
Uvala Tunarica	12084
Uvala Zmancica	12892
Uzun Ada	19864
Uzun Burnu	17028

V

Vado Ligure	7408
Vakros Paximadha	20440
Vale Formoso	23348
VALENCIA	5368
Vallauris	7116
Valle Grignano	11664
Valleta	10544
Varadero	5216
VARNENSKI ZALIV	17624
Vasileios	14838
Vasilkos	20900
Vathi	15276
Vela Luka	13896
VELEBITSKI KANAL	12364, 12476, 12544
Velho	24192
Veli Losinj	12308
Verkhni Pavkobski	18452
Verzocchi	7772
Via G. Amendola	8776
VIANA DO CASTELO	3099
Viareggio	7856
Vibo Valentia	9692
Victoria	24600
Victoria Basin	25992
Vieste	11040
Vigo	2988
Vijose	14324
Viktorovka	18024
Vila Cha	3208
VILA DO CONDE	3188

INDEX – LIGHTS

Vila Real de Santo Antonio	3816
VILAINE	788
Vilamoura	3716
Villa Cisneros	24312
Villa San Giovanni	9724
VILLAJΟΥSA	4708
Villajuan	2796
Villanueva	2804
Villanueva y Geltru	5708
Villefranche	7208
Villes-Martin	964
Vinaroz	5544
Vira	13624
VIRSKO MORE	12648, 12792
Viska Luka	13680
Vitino	18250
Vitoria	23726
Vittoria	11676
Vlore	14348
Vojske	13312
Vokarias	19909
Volosko	12220
Vonitsa	14548
Vostochnyy	18060
Voudhia	15916
Vrakhoi Kaloyerai	15700
Vrakhoi Lagoudhia	14444
Vrakhoi Mermingia	15584
Vrakhonisdha Makri	14634
Vrakhonisdha Plaki	15866
Vrakhonisis Andidhragonera	15064
Vrakhonisis Evdhilos	20076
Vrakhonisis Gaidharos	20284
Vrakhonisis Khondros	20464
Vrakhonisis Strovilo	19932

Vrakhos Amaridhes	15844
Vrakhos Navalion	14630
Vrakhos Stavros	15028
Vrakonisi Margariti	19928
Vrbnik	12428
Vrboska	13648
Vridi Channel	24802
Vrsar	11940
Vueltas Valle Gran Rey	23826
Vuka Zaton	14036

W

WALVIS BAY	25756
Wayfeya	21545
West coast	14444

X

Xeros	20980

Y

Yakakent	19500
Yalova (Samanli)	17240
Yantarny	18940
Yardamci	20620
Yasun Burnu	19452
Yelkenkaya Burnu	17232
Yenikal'skiy	18560
Yesilkoy	17100
Yesilkoy Burnu	17104
Yevksinogradskiy	17640
YEVPARATORIYSKIY	18252
Yilan Ada	20165

Yilancik Adasi	20504
Yildiz Kayaligi	17320
Yombe River	25384
Yugozapadnyy Volnolom	19116
Yumurta Adasi	19784

Z

Zablace	13258
Zadar	12996
Zakinthou	14736
Zalic	12792
Zaliv Marina	13388
Zaliv Pantera	12868
Zaliv Rasa	12068
Zaliv Traste	14236
ZALIV VELA LUKA	13884
Zaporinovac	13376
ZARZIS	21740
Zarzouna	22078
Zelenika	14116
Zembretta Isle	21988
Zeytun Burnu	17272
Zigljen	12646
Zincirbozan Banki	17052
Zona de El Musel	2152
Zona Franca	4012
Zonguldak Burun	19608
ZONGULDAK LIMANI	19608
Zourafa Islet	16860
Zucovac	14136
Zumaya	1808
Zuwarah	21716
Zverinacki Kanal	12870

INDEX – RADIOBEACONS

A

Ascension Island 1850
Augusta 660

B

Banias 1270
Bar 840
Bata 1810
Belosarayskiy 1140
Berdyanskiy Nizhniy 1150
Burullus 1320

C

Cabinda 1860
Cap Blanc 1400
Cap Bon 1390
Capo San Vito 670
Capo Santa Maria de Leuca 680
Cotonou 1780

D

Dakar 1700
Damietta 1310
Dubrovnik 800

E

El Attaia 1380
Es Sider 1360
Escravos 1790

F

Finike 1250
Flores 1540
Freetown 1730

G

Gozo 860
Graciosa 1550
Great Pass 1340

H

Haifa 1290

K

Kamsar 1710
Karystos 910
Kos 880
Koundinde 1720

L

Lajes 1560

M

Malabo 1800
Mocamedes 1890
Monte Verde 1640
Mys Anapskiy 1120
Mys Aytodorskiy 1070
Mys Doobskiy 1100
Mys Kodoshkiy 1210
Mys Yevpatoriyskiy 1010
Mys Zheleznyy Rog 1110

N

N'gunza 1880
Nouakchott 1680

P

Pointe Noire 1840
Port Bouet 1760
Port Gentil 1830
Port Said 1300
Punta della Penna 700

R

Ras el Shaqiq 1350
Rijeka 760
Rosetta 1330

S

Saint Louis 1690
Sal 1650
San Benedetto del Tronto 710
Santa Maria 1570
Sassandra 1750
Sounion 900
Soyo 1870
Split 790

T

Takoradi 1770
Tarabulus 1370
Temryukskiy 1160
Thira 890

V

Valletta 850
Vieste 690

Y

Yenikal'skiy 1130

INDEX – DIFFERENTIAL GPS BEACONS

A

Alexandria 1300

M

Mersa Matrouh..... 1320

P

Port Said 1310

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
0265.6		4830	D0877		296	D0974		556	D1090		868
4453.91		16443.1	D0877.1		288	D0975		560	D1090.1		872
A1518		12	D0884		304	D0978		576	D1091		862
A1519		8	D0885		320	D0978.1		580	D1093		876
A1842		16	D0885.1		324	D0982		592	D1093.1		880
A1843		18	D0886		312	D0984		588	D1094		864
A1844		4	D0886.1		316	D0985		584	D1096		896
A1846		20	D0887		328	D0986		596	D1098		884
A1848		24	D0887.1		332	D0990		600	D1100		888
A1850		32	D0890		308	D0990.1		604	D1102		892
A1852		36	D0892		344	D0994		608	D1104		944
A1854		48	D0893		336	D0996		612	D1104.2		962
A1856		52	D0894		348	D0996.1		616	D1104.4		960
A1860		60	D0896		364	D0996.3		598	D1105		920
A1862		56	D0896.05		366	D0996.6		582	D1105.5		916
A1870		40	D0896.1		368	D0997		618	D1106		948
A1871		44	D0898		380	D0998		624	D1106.1		952
A1872		92	D0899		372	D0999		620	D1114		956
A1873.9		76	D0899.2		384	D1002.4		628	D1116		964
A1874		84	D0900		376	D1003		629	D1118		968
A1874.1		104	D0901		377	D1012		632	D1122		972
A1875		108	D0902		388	D1014		636	D1124		976
A1876		80	D0904		392	D1015		676	D1126		980
A1880		88	D0904.5		393	D1015.1		680	D1127		982
A1884		112	D0906		400	D1015.5		686	D1128		984
A1886		116	D0909		408	D1016		672	D1128.7		985
D0790		152	D0910		412	D1017		684	D1128.8		985.1
D0790.1		160	D0913.9		424	D1018		688	D1129		986
D0792		168	D0914		428	D1022		692	D1130		988
D0794		156	D0914.1		420	D1026		736	D1130.4		992
D0796		178	D0915		416	D1026.2		732	D1131		996
D0798		176	D0918		436	D1026.4		740	D1137		1008
D0799		180	D0922		444	D1027		744	D1138		1015
D0799.1		180.1	D0922.2		456	D1030		644	D1139		1016
D0801		182	D0922.4		452	D1032		640	D1140		1024
D0801.1		182.1	D0922.6		448	D1036		668	D1142		1028
D0802		192	D0923.2		442	D1040		664	D1150		912
D0803		196	D0923.4		432	D1042		660	D1152		924
D0804		188	D0925		460	D1044		648	D1153		1092
D0806		184	D0925.4		464	D1045		652	D1154		1088
D0814.5		200	D0928		472	D1046		656	D1154.5		1031
D0814.51		200.1	D0930		476	D1050		752	D1155		1048
D0816		144	D0932		492	D1050.1		756	D1155.2		1044
D0817		148	D0933		488	D1051		760	D1155.4		1052
D0818		140	D0934		484	D1052		764	D1156		1032
D0820		136	D0935		486	D1054		768	D1156.6		1056
D0826		212	D0936		468	D1054.5		769	D1156.7		1036
D0828		216	D0940		496	D1056		776	D1156.72		1040
D0829		208	D0942		498	D1060		784	D1156.8		1060
D0830		220	D0944		500	D1062		780	D1157		1064
D0831		224	D0945		504	D1062.5		794	D1160		1068
D0831.2		228	D0946		508	D1063		788	D1161		1072
D0832		232	D0950		512	D1064		792	D1162		1080
D0834		236	D0952		516	D1066		800	D1164		1084
D0836		240	D0954		520	D1072		808	D1165		1102
D0850		274	D0954.1		524	D1074		812	D1165.1		1102.1
D0852		248	D0960		528	D1075.8		848	D1166		1096
D0856		252	D0961		526	D1075.81		852	D1167		1100
D0860		256	D0962		532	D1076		844	D1168		1104
D0862		268	D0964		536	D1078		856	D1170		1112
D0866		276	D0966		540	D1080		820	D1172		1120
D0870		272	D0968		544	D1082		720	D1174		1116
D0872		284	D0970		548	D1084		724	D1176		1128
D0874		300	D0971		565	D1086		728	D1178		1132
D0875		292	D0971.1		565.1	D1088		860	D1180		1136

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
D1183		1140	D1257.1		1404	D1394		1628	D1520		1892
D1183.1		1140.1	D1258		1388	D1394.1		1632	D1521		1896
D1184		1144	D1258.5		1396	D1395		1636	D1523		1898
D1186		1148	D1259		1390	D1396		1648	D1524		1900
D1188		1152	D1259.1		1391	D1400		1656	D1524.2		1904
D1189		1124	D1259.4		1392	D1410		1660	D1524.4		1910.6
D1189.6		1168	D1264		1408	D1412.4		1672	D1524.6		1911
D1190		1160	D1264.1		1412	D1412.41		1676	D1525		1912
D1190.1		1164	D1270		1420	D1413		1664	D1525.1		1913
D1191		1176	D1272		1416	D1413.1		1668	D1526.2		1914
D1193		1172	D1274		1422	D1414		1680	D1526.4		1908
D1196		1180	D1274.4		1423	D1416		1684	D1526.6		1910
D1198		1184	D1274.6		1422.5	D1418		1688	D1526.65		1910.5
D1200		1212	D1276		1424	D1420		1692	D1527		1920
D1204		1216	D1277		1428	D1422		1696	D1527.2		1924
D1204.1		1220	D1278		1432	D1424		1700	D1527.22		1928
D1207		1196	D1278.1		1436	D1424.1		1704	D1527.4		1932
D1207.1		1200	D1284		1444	D1425		1708	D1527.42		1936
D1210		1204	D1285		1448	D1452		1712	D1528		1938
D1210.1		1208	D1285.1		1452	D1453		1724	D1528.2		1938.1
D1211		1222	D1286		1456	D1454		1717	D1529		1940
D1211.1		1222.1	D1286.4		1460	D1454.3		1716	D1530		1939
D1213		1224	D1286.6		1464	D1454.6		1720	D1531		1944
D1213.2		1232	D1287		1468	D1456		1728	D1532		1948
D1213.4		1236	D1287.5		1440	D1456.2		1730	D1532.4		1956
D1213.6		1228	D1288.4		1472	D1456.4		1731	D1532.6		1952
D1214		1240	D1289		1478	D1457		1732	D1536		1964
D1215		1244	D1290		1476	D1457.5		1734	D1537		1972
D1216		1260	D1293.9		1488	D1458		1736	D1537.2		1976
D1218		1268	D1294		1492	D1459		1740	D1540		1980
D1220		1272	D1294.1		1496	D1459.1		1744	D1542		1984
D1223		1280	D1300		1480	D1460		1748	D1546		1992
D1223.1		1284	D1304		1536	D1462		1752	D1546.1		1996
D1224		1286	D1307		1544	D1466		1764	D1547		2000
D1226		1292	D1308		1540	D1468		1756	D1548		2004
D1228		1296	D1310		1500	D1470		1760	D1548.2		2008
D1230		1300	D1310.1		1504	D1472		1768	D1549		2012
D1232		1304	D1312		1508	D1474		1772	D1552		2016
D1232.1		1308	D1312.1		1512	D1475		1776	D1554		2020
D1234		1312	D1313		1505	D1482		1792	D1556		2024
D1238		1324	D1313.2		1506	D1483		1788	D1556.5		2026
D1240		1316	D1314		1516	D1484		1796	D1556.51		2026.1
D1242		1256	D1316		1520	D1484.1		1800	D1557		2028
D1243		1352	D1326		1524	D1488.2		1802	D1557.3		2041
D1244		1328	D1327		1532	D1489		1804	D1558		2036
D1244.4		1336	D1327.2		1533	D1493		1808	D1558.2		2032
D1244.6		1332	D1372		1556	D1494		1812	D1559.4		2048
D1244.7		1340	D1378		1560	D1494.2		1816	D1559.42		2050
D1244.8		1348	D1380		1576	D1495		1820	D1559.45		2052
D1245		1344	D1382		1580	D1496		1824	D1561		2060
D1246		1344.5	D1384		1584	D1496.1		1828	D1562		2064
D1247		1345	D1386		1588	D1498		1832	D1563		2068
D1247.1		1345.1	D1386.5		1592	D1499		1836	D1563.1		2072
D1247.5		1351	D1387		1596	D1502		1840	D1566		2076
D1248		1351.5	D1387.2		1600	D1504		1844	D1566.1		2080
D1248.5		1351.7	D1387.21		1604	D1505		1856	D1568		2084
D1250		1380	D1387.3		1608	D1506		1848	D1568.1		2088
D1251		1364	D1387.4		1612	D1508		1852	D1570		2092
D1251.1		1368	D1387.5		1616	D1510		1860	D1574		2096
D1253		1360	D1388		1620	D1510.4		1864	D1576		2100
D1254		1381	D1388.1		1624	D1512		1868	D1577		2104
D1254.2		1382	D1390		1624.5	D1513		1872	D1578		2108
D1256		1384	D1390.5		1625	D1513.2		1876	D1580		2112
D1256.3		1385	D1391		1633	D1513.4		1888	D1582		2116
D1257		1400	D1392		1634	D1514		1880	D1586		2120

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
D1587	.....	2124	D1678.2	.....	2380	D1723	.....	2588	D1856	.....	2852
D1589	.....	2128	D1678.21	.....	2384	D1724	.....	2600	D1858	.....	2854
D1591	.....	2130	D1678.3	.....	2388	D1724.1	.....	2604	D1860	.....	2856
D1592	.....	2132	D1678.31	.....	2392	D1725	.....	2606	D1862	.....	2860
D1596	.....	2204	D1678.4	.....	2396	D1726	.....	2608	D1864	.....	2864
D1597	.....	2196	D1678.6	.....	2400	D1728	.....	2612	D1865.6	.....	2866
D1597.4	.....	2200	D1678.8	.....	2410	D1729	.....	2613	D1866	.....	2868
D1598	.....	2152	D1679	.....	2412	D1730	.....	2616	D1867	.....	2872
D1598.1	.....	2151	D1680	.....	2416	D1732	.....	2628	D1868.4	.....	2876
D1598.3	.....	2160	D1681	.....	2420	D1733	.....	2620	D1870	.....	2880
D1598.4	.....	2156	D1684	.....	2432	D1734	.....	2624	D1871	.....	2884
D1598.42	.....	2150	D1685	.....	2440	D1736	.....	2632	D1872	.....	2888
D1598.45	.....	2149	D1685.11	.....	2441	D1736.3	.....	2644	D1873	.....	2896
D1598.5	.....	2187	D1685.12	.....	2442	D1736.4	.....	2648	D1873.4	.....	2900
D1598.7	.....	2184	D1685.2	.....	2436	D1737	.....	2656	D1874	.....	2904
D1598.8	.....	2186	D1686	.....	2444	D1738	.....	2636	D1876	.....	2908
D1599	.....	2192	D1686.1	.....	2446	D1739	.....	2640	D1876.1	.....	2912
D1602	.....	2168	D1686.2	.....	2447	D1740	.....	2660	D1882	.....	2916
D1603	.....	2172	D1686.3	.....	2450	D1742	.....	2664	D1884	.....	2920
D1603.2	.....	2173	D1686.5	.....	2448	D1744	.....	2666	D1886	.....	2924
D1606.5	.....	2166	D1687	.....	2452	D1756	.....	2680	D1888	.....	2928
D1608	.....	2136	D1687.6	.....	2454	D1758	.....	2676	D1889	.....	2932
D1609	.....	2140	D1688	.....	2456	D1760	.....	2668	D1890	.....	2940
D1610	.....	2148	D1690	.....	2458	D1762	.....	2672	D1890.1	.....	2944
D1614	.....	2208	D1692	.....	2460	D1775	.....	2682	D1891	.....	2936
D1616	.....	2212	D1694	.....	2464	D1782	.....	2684	D1892	.....	2960
D1616.1	.....	2216	D1695	.....	2468	D1784	.....	2688	D1893	.....	2948
D1618	.....	2220	D1696	.....	2476	D1786	.....	2692	D1894	.....	2956
D1622	.....	2228	D1696.1	.....	2480	D1788	.....	2696	D1894.5	.....	2962
D1622.1	.....	2232	D1697	.....	2484	D1790	.....	2712	D1895	.....	2964
D1624	.....	2224	D1698	.....	2508	D1791	.....	2710	D1895.4	.....	2968
D1628	.....	2236	D1698.4	.....	2504	D1791.2	.....	2711	D1895.55	.....	2957
D1630	.....	2240	D1698.5	.....	2510	D1792	.....	2700	D1895.6	.....	3016
D1630.4	.....	2238	D1698.7	.....	2513	D1794	.....	2716	D1895.7	.....	2978
D1631	.....	2244	D1698.84	.....	2512	D1795	.....	2720	D1895.8	.....	2976
D1631.28	.....	2246	D1698.9	.....	2516	D1796	.....	2724	D1895.9	.....	2980
D1634.2	.....	2248	D1698.92	.....	2520	D1798	.....	2732	D1896	.....	2972
D1636	.....	2264	D1698.94	.....	2524	D1799	.....	2736	D1897	.....	3004
D1638	.....	2268	D1698.96	.....	2528	D1799.5	.....	2738	D1898	.....	2988
D1638.4	.....	2272	D1698.98	.....	2532	D1800	.....	2740	D1900	.....	2992
D1640	.....	2276	D1699	.....	2488	D1806	.....	2820	D1900.2	.....	2996
D1641	.....	2280	D1699.1	.....	2502	D1808	.....	2812	D1901	.....	3000
D1642	.....	2284	D1699.2	.....	2492	D1810	.....	2824	D1901.2	.....	3002
D1646	.....	2288	D1699.5	.....	2533	D1812	.....	2828	D1901.5	.....	3012
D1647	.....	2292	D1699.6	.....	2533.5	D1814	.....	2808	D1901.6	.....	3020
D1649	.....	2296	D1699.7	.....	2534	D1815	.....	2807	D1902	.....	3024
D1649.1	.....	2300	D1700	.....	2540	D1816	.....	2748	D1902.6	.....	3029
D1650	.....	2304	D1702	.....	2544	D1818	.....	2756	D1904.6	.....	3014
D1652	.....	2308	D1702.6	.....	2538	D1820	.....	2764	D1907	.....	2938
D1653	.....	2312	D1702.9	.....	2535	D1822	.....	2760	D1911	.....	3040
D1657	.....	2316	D1704	.....	2548	D1824	.....	2752	D1911.1	.....	3044
D1657.5	.....	2320	D1706	.....	2552	D1826	.....	2768	D1912	.....	3032
D1657.6	.....	2324	D1708	.....	2556	D1827	.....	2772	D1914	.....	3048
D1658	.....	2328	D1710	.....	2560	D1828	.....	2776	D1916	.....	3052
D1659	.....	2332	D1710.1	.....	2564	D1830	.....	2780	D1920.5	.....	3066
D1659.2	.....	2336	D1714	.....	2568	D1830.4	.....	2781	D1921	.....	3068
D1660	.....	2340	D1716	.....	2572	D1831	.....	2784	D1924	.....	3072
D1661	.....	2341	D1716.2	.....	2575	D1834	.....	2804	D2002	.....	3076
D1662	.....	2348	D1716.4	.....	2573	D1838	.....	2796	D2003	.....	3080
D1662.1	.....	2352	D1716.6	.....	2574	D1842	.....	2788	D2003.1	.....	3084
D1664	.....	2356	D1717	.....	2576	D1846	.....	2832	D2006	.....	3090
D1664.1	.....	2360	D1718	.....	2592	D1847	.....	2836	D2008	.....	3096
D1673	.....	2368	D1720	.....	2596	D1848	.....	2840	D2012	.....	3100
D1676	.....	2376	D1722	.....	2580	D1850	.....	2844	D2012.1	.....	3104
D1678	.....	2404	D1722.2	.....	2584	D1855	.....	2848	D2012.8	.....	3099

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
D2015		3120	D2124		3400	D2157.4		3569	D2349		3872
D2015.1		3124	D2126		3404	D2158		3570	D2349.1		3876
D2016		3128	D2126.2		3402	D2160		3572	D2350.4		3882
D2016.2		3132	D2126.25		3401	D2160.16		3583	D2351		3880
D2016.21		3136	D2126.5		3406	D2160.36		3582	D2352		3884
D2020.4		3160	D2126.55		3406.2	D2160.4		3584	D2355		3900
D2020.6		3164	D2127		3408	D2160.5		3587	D2355.2		3908
D2023		3196	D2127.15		3414	D2160.6		3588	D2355.4		3912
D2023.1		3200	D2127.18		3439	D2161		3592	D2355.5		3914
D2023.7		3204	D2127.181		3439.2	D2161.1		3596	D2357		3928
D2024		3188	D2127.182		3439.4	D2162		3600	D2358		3932
D2024.1		3192	D2127.183		3439.6	D2164		3604	D2359		3920
D2027		3208	D2127.2		3438	D2165		3608	D2359.1		3924
D2027.1		3212	D2127.25		3438.5	D2165.1		3612	D2362		3940
D2028.4		3216	D2127.3		3413	D2168		3616	D2367		3960
D2028.5		3220	D2127.31		3413.3	D2170		3620	D2367.2		3958
D2029		3224	D2127.4		3416	D2171		3622	D2368		3968
D2029.1		3228	D2127.6		3420	D2172.3		3623	D2371.3		3977
D2031		3232	D2128		3432	D2174		3624	D2372		3984
D2032		3236	D2128.5		3436	D2175		3628	D2372.1		3984.2
D2034		3240	D2129		3424	D2176		3632	D2372.15		3984.4
D2036		3244	D2129.2		3428	D2178		3644	D2373		3980
D2037		3249	D2130		3440	D2179		3648	D2373.4		3988
D2038		3248	D2130.2		3444	D2179.2		3652	D2374		3992
D2045		3253	D2130.4		3448	D2181		3656	D2375		3996
D2045.5		3254	D2130.6		3452	D2181.1		3660	D2375.3		3998
D2052		3264	D2132		3453	D2192		3684	D2375.35		3999
D2052.1		3268	D2132.2		3453.5	D2194		3688	D2375.4		3972
D2052.5		3269	D2132.4		3454	D2196		3692	D2376		4008
D2056		3272	D2132.6		3454.5	D2197		3700	D2377		4012
D2056.2		3281	D2133.4		3462	D2197.2		3716	D2377.1		4016
D2056.21		3282	D2134.2		3464	D2197.3		3708	D2377.4		4020
D2058		3280	D2134.21		3468	D2197.4		3712	D2378		4024
D2059.59		3270	D2134.3		3480	D2206		3724	D2381		4032
D2060		3284	D2134.35		3481	D2206.1		3736	D2381.2		4036
D2062		3288	D2134.46		3463	D2208		3728	D2382		4037
D2066		3296	D2135.8		3488	D2209		3732	D2382.3		4038
D2068		3300	D2136		3492	D2211		3748	D2383		4048
D2069		3304	D2136.1		3496	D2212		3752	D2383.4		4050
D2069.1		3308	D2136.25		3504	D2218		3760	D2384		4040
D2072		3312	D2136.5		3505	D2219		3761	D2384.1		4044
D2074		3316	D2139		3508	D2221		3740	D2385		4052
D2076		3320	D2140		3512	D2221.1		3744	D2385.2		4049
D2078		3324	D2142		3520	D2222		3756	D2385.6		4056
D2078.1		3328	D2142.1		3524	D2225.3		3764	D2388		4060
D2084		3332	D2144		3516	D2230.1		3772	D2398		4064
D2086		3336	D2144.2		3518	D2232.8		3778	D2398.1		4068
D2088		3340	D2145		3526	D2234		3780	D2404		4072
D2092		3344	D2145.1		3526.1	D2234.1		3784	D2404.1		4076
D2092.1		3348	D2145.2		3526.2	D2235		3796	D2405		4077
D2094		3356	D2145.3		3526.3	D2235.2		3797	D2405.4		4078
D2096		3352	D2145.31		3526.4	D2246		3816	D2406		4080
D2098		3360	D2146		3527	D2249		3800	D2408		4084
D2100		3364	D2146.1		3527.1	D2305		3820	D2409		4088
D2102		3368	D2146.2		3527.2	D2312		3828	D2409.2		4096
D2106		3372	D2150		3556	D2315		3862	D2409.21		4100
D2108		3376	D2150.22		3532	D2319		3836	D2410		4092
D2110		3380	D2150.26		3540	D2320		3844	D2411.5		4110
D2114		3389	D2150.28		3544	D2321		3861	D2412		4112
D2118		3388	D2150.4		3560	D2324.05		3845	D2414		4116
D2119		3390	D2151		3564	D2328.2		3846	D2415		4118
D2119.1		3390.5	D2151.1		3568	D2328.3		3846.1	D2416		4124
D2121		3392	D2152		3548	D2345		3863	D2418		4120
D2122		3396	D2152.1		3552	D2348.5		3864	D2420		4128
D2123		3398	D2157.3		3569.5	D2348.51		3868	D2423		4131

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
D2423.2		4132	D2542		22948	D2601		23214	D2661		23516
D2425		4136	D2543		22952	D2602		23216	D2662		23524
D2425.3		4142	D2543.2		22956	D2602.1		23220	D2662.5		23525
D2425.4		4143	D2544		22960	D2602.2		23224	D2663.5		23528
D2425.66		4145	D2544.1		22964	D2602.4		23228	D2664		23532
D2425.7		4149	D2544.5		22968	D2604		23232	D2665		23536
D2425.72		4147	D2544.6		22972	D2608		23236	D2666		23540
D2425.74		4151	D2545		22976	D2611		23244	D2666.1		23558
D2430		4166	D2545.1		22980	D2612		23248	D2666.2		23544
D2430.2		4167	D2545.3		22984	D2613		23253	D2666.21		23548
D2431		4167.2	D2545.4		22988	D2613.2		23254	D2666.5		23556
D2431.2		4167.3	D2546		22996	D2614		23255	D2666.7		23560
D2432		4168	D2546.1		23000	D2616		23256	D2667		23564
D2434		4176	D2546.3		23008	D2616.2		23257	D2668		23504
D2434.2		4184	D2546.4		23012	D2616.4		23258	D2669		23508
D2434.4		4180	D2546.6		23004	D2616.6		23260	D2670		23484
D2436.6		4204	D2547		23016	D2617		23264	D2672.3		23489
D2436.7		4208	D2547.1		23020	D2619		23270	D2672.35		23489.1
D2436.75		4214.5	D2547.4		23024	D2621		24264	D2672.5		23490
D2436.78		4214.7	D2547.5		23028	D2622		24268	D2672.7		23491
D2436.8		4216	D2548.4		23032	D2623		24276	D2674		23488
D2437.2		4214	D2554		23036	D2623.2		24280	D2676		23500
D2438		4220	D2557		23048	D2626		24288	D2677		23496
D2442		4224	D2558.4		23054	D2628		24292	D2680		23480
D2445		4228	D2559		23056	D2628.2		24296	D2680.2		23472
D2446		4232	D2559.1		23060	D2630		24300	D2681		23476
D2448		4236	D2560		23064	D2631		24304	D2681.2		23477
D2449.2		4240	D2561		23076	D2632		23664	D2681.5		23468
D2450.7		4244	D2561.1		23080	D2632.1		23666	D2681.8		23466
D2451		4246	D2562		23072	D2632.2		23702	D2682		23452
D2451.2		4248	D2563		23068	D2632.3		23696	D2682.2		23456
D2451.5		4242	D2566		23096	D2632.4		23700	D2682.3		23457
D2456		4256	D2567		23100	D2633		23692	D2682.4		23460
D2482		22840	D2568		23124	D2633.7		23684	D2682.5		23464
D2484		22848	D2568.1		23128	D2633.71		23688	D2683		23448
D2486		22844	D2569		23108	D2634		23680	D2683.5		23482
D2487		22852	D2569.2		23114	D2635		23669	D2684		23372
D2488		22856	D2570		23104	D2635.3		23670	D2684.1		23376
D2490		22860	D2570.2		23112	D2636		23668	D2687.2		23360
D2490.5		22858	D2572		23116	D2638		23704	D2687.5		23364
D2492		22862	D2572.2		23120	D2640		23636	D2687.51		23368
D2493		22864	D2574		23132	D2641		23630	D2688		23408
D2496		22868	D2576		23136	D2642		23628	D2688.2		23410
D2498		22872	D2582		23140	D2642.5		23626	D2689		23428
D2500		22880	D2584		23148	D2643		23620	D2689.4		23432
D2502		22888	D2586		23152	D2645		23612	D2689.41		23436
D2503		22892	D2587		23156	D2645.45		23609	D2690		23404
D2504		22884	D2587.5		23150	D2645.5		23606	D2690.02		23420
D2506		22885	D2588		23144	D2646		23608	D2690.03		23424
D2507		22886	D2590		23160	D2647		23584	D2690.1		23440
D2510		22896	D2590.5		23162	D2648		23594	D2690.11		23444
D2512		22900	D2591		23164	D2649		23588	D2690.15		23400
D2514		22904	D2591.2		23168	D2649.1		23592	D2690.6		23392
D2514.1		22908	D2591.4		23172	D2650		23596	D2690.7		23396
D2522		22916	D2592		23176	D2650.1		23600	D2690.9		23385
D2524		22920	D2595		23180	D2654		23580	D2691		23380
D2524.1		22924	D2595.4		23184	D2654.2		23604	D2691.4		23377
D2526		22928	D2596		23196	D2655		23568	D2691.41		23377.1
D2526.1		22932	D2596.2		23200	D2655.4		23572	D2692		23344
D2528		22934	D2596.6		23201	D2655.6		23576	D2693		23318
D2532		22912	D2598		23204	D2656		23648	D2694		23320
D2537		22938	D2599		23188	D2657		23652	D2696		23324
D2540		22940	D2599.1		23192	D2659		23640	D2697		23328
D2540.1		22944	D2600		23208	D2659.4		23644	D2697.1		23332
D2541		22992	D2600.2		23212	D2660		23512	D2697.5		23342

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
D2698		23336	D2796.1		24033	D2826.9		23910	D2934		24132
D2698.1		23340	D2796.5		24027	D2826.91		23910.5	D2936		24136
D2699		23348	D2798		23932	D2827		23904	D2942		24100
D2700		23346	D2799		23936	D2827.2		23900	D2943		24104
D2702		23304	D2799.2		23934	D2827.9		23918	D2943.4		24116
D2702.4		23308	D2799.4		23938	D2827.94		23920	D2943.41		24120
D2702.41		23312	D2799.5		23939	D2827.98		23924	D2943.6		24124
D2703		23296	D2799.6		23940	D2829		23828	D2943.61		24128
D2703.1		23300	D2799.66		23942	D2830		23832	D2944		24108
D2704		23288	D2799.67		23942.1	D2831		23836	D2944.2		24112
D2705		23289	D2799.7		23960	D2831.5		23892	D2946		24096
D2706		23292	D2800.2		23964	D2831.6		23888	D2950		24080
D2708		23316	D2800.42		23948	D2831.8		23838	D2952		24088
D2712		23280	D2801		23968	D2832		23840	D2954		24092
D2714		23284	D2801.1		23972	D2833		23842	D2956		24084
D2720		23748	D2801.2		23956	D2834		23844	D2972		24308
D2722		23752	D2802		23944	D2835		23848	D2973		24316
D2724.5		23727.1	D2803.2		23945	D2836		23808	D2973.5		24314
D2726		23740	D2803.3		23953	D2837		23810	D2974.2		24312
D2728		23732	D2803.35		23954	D2838		23804	D2975		24320
D2730		23736	D2804		23976	D2842		23812	D2975.2		24324
D2738		23728	D2806		23980	D2844.75		23816	D2975.3		24328
D2741		23727.7	D2807		23984	D2845		23825	D2975.6		24332
D2741.1		23727.8	D2807.35		23989.5	D2845.5		23826	D2976		24336
D2741.3		23727.9	D2807.36		23989	D2846		23780	D2977		24340
D2741.5		23727.6	D2807.37		23988	D2848		23784	D2977.5		24344
D2742		23727.5	D2807.5		23990	D2848.4		23794	D2978		24348
D2742.2		23727	D2809		23996	D2848.5		23796	D2978.4		24352
D2742.6		23727.2	D2809.4		24000	D2849		23797	D2978.5		24356
D2743		23726	D2812		24008	D2849.51		23798	D2979		24360
D2744		23724	D2814		24012	D2850		23800	D2980		24364
D2746		23720	D2815		24014	D2851		23801	D2982		24368
D2750		23716	D2815.2		24014.2	D2852		23802	D2984		24372
D2752		23712	D2815.22		24014.4	D2872		24200	D2986		24373
D2754		23708	D2815.4		24016	D2874		24202	D2986.5		24374
D2755		23744	D2815.45		24020	D2875.5		24201	D2996		24380
D2756		23756	D2815.6		24022.2	D2876		24204	D2998		24384
D2757		23766	D2815.7		24022	D2881		24208	D3002		24388
D2757.2		23765	D2815.8		24022.6	D2882		24220	D3004		24392
D2757.3		23767.5	D2815.82		24022.4	D2884		24232	D3008		24396
D2762		23768	D2815.94		24023.7	D2888		24224	D3008.2		24400
D2763		23767	D2815.96		24023	D2890		24228	D3010		24404
D2768		23776	D2815.98		24023.5	D2898		24256	D3012		24408
D2769		23772	D2816		23928	D2900		24252	D3013		24412
D2772		24076	D2818		23854	D2901		24244	D3018		24440
D2775		24056	D2820		23852	D2904		24260	D3019		24444
D2777		24053	D2821		23856	D2908		24236	D3021		24452
D2778		24053.2	D2822		23868	D2910		24240	D3027		24464
D2778.2		24053.4	D2822.4		23872	D2914		24196	D3027.5		24465
D2778.4		24053.6	D2822.45		23873	D2916		24197	D3030		24468
D2778.6		24053.8	D2822.46		23874	D2918		24192	D3038		24476
D2780		24052	D2822.6		23860	D2919		24193	D3042		24484
D2781		24050	D2822.7		23864	D2919.5		24198	D3044		24492
D2781.5		24049	D2822.8		23859	D2920		24156	D3050		24500
D2782		24048	D2826		23876	D2920.1		24160	D3052		24504
D2786		24044	D2826.2		23880	D2921		24148	D3053		24506
D2790		24024	D2826.4		23884	D2921.1		24152	D3054		24508
D2791		24026	D2826.5		23886	D2922		24164	D3056		24512
D2792		24040	D2826.7		23916	D2922.5		24168	D3057		24520
D2793		24042	D2826.72		23912	D2923		24176	D3058		24524
D2793.5		24034	D2826.74		23913	D2923.1		24180	D3059		24545
D2794		24036	D2826.78		23909	D2923.2		24184	D3060		24540
D2794.2		24037	D2826.82		23917	D2923.3		24188	D3060.1		24544
D2795		24032	D2826.86		23908	D2925		24172	D3062		24532
D2796		24033.5	D2826.87		23911	D2930		24144	D3064		24552

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
D3065	.....	24556	D3137.5	.....	24843	D4051	.....	25146	D4804	.....	.26080
D3070	.....	24564	D3138	.....	24844	D4056	.....	25156	D4804.1	.....	.26084
D3071	.....	24565	D3140	.....	24848	D4060	.....	25164	D4812	.....	.26092
D3072	.....	24568	D3145	.....	24852	D4064	.....	25160	D4904	.....	.26100
D3074	.....	24576	D3146	.....	24856	D4134	.....	25236	D4904.1	.....	.26104
D3078	.....	24580	D3148	.....	24860	D4134.1	.....	25240	D4906	.....	.26108
D3080	.....	24596	D3151	.....	24864	D4149	.....	25175	D4908	.....	.26112
D3081	.....	24588	D3155	.....	24872	D4154	.....	25172	D5003	.....	.25556
D3084	.....	24600	D3155.1	.....	24868	D4154.2	.....	25177	D5006	.....	.25560
D3086	.....	24604	D3155.4	.....	24876	D4155	.....	25176	D5040	.....	.25564
D3086.1	.....	24608	D3156	.....	24880	D4158	.....	25180	D5060	.....	.25568
D3087	.....	24612	D3162	.....	24884	D4158.5	.....	25174	D5080	.....	.25572
D3088	.....	24616	D3166	.....	24892	D4159	.....	25174.5	D5100	.....	.25576
D3090	.....	24620	D3167	.....	24896	D4160	.....	25182	D5101	.....	.25584
D3093	.....	24636	D3167.2	.....	24904	D4170	.....	25248	D5104	.....	.25596
D3094	.....	24640	D3167.4	.....	24908	D4174	.....	25256	D5150	.....	.25600
D3096	.....	24648	D3167.46	.....	24910.5	D4175	.....	25252	D5180	.....	.25604
D3098	.....	24656	D3167.5	.....	24915	D4175.5	.....	25260	D5200	.....	.25608
D3098.5	.....	24664	D3167.52	.....	24916	D4176	.....	25264	D5224	.....	.25624
D3099	.....	24668	D3167.6	.....	24920	D4177	.....	25272	D5226	.....	.25612
D3100.2	.....	24672	D3167.8	.....	24921	D4180	.....	25268	D5228	.....	.25616
D3101	.....	24676	D3168	.....	24924	D4190	.....	25276	D5228.2	.....	.25620
D3101.1	.....	24680	D3171	.....	24928	D4200	.....	25300	D5240	.....	.25628
D3101.4	.....	24684	D3173	.....	24944	D4210	.....	25288	D5250	.....	.25632
D3101.6	.....	24688	D3174	.....	24932	D4230	.....	25184	D5270	.....	.25636
D3102	.....	24692	D3174.2	.....	24936	D4234	.....	25196	D5280	.....	.25640
D3105	.....	24696	D3176	.....	24948	D4234.1	.....	25200	D5288	.....	.25644
D3106	.....	24704	D3178	.....	24952	D4237	.....	25192	D5300	.....	.25652
D3107	.....	24700	D3179	.....	24956	D4238	.....	25201	D5300.1	.....	.25656
D3108	.....	24708	D3180	.....	24960	D4239	.....	25202	D5304	.....	.25660
D3108.1	.....	24712	D3181	.....	24964	D4241	.....	25204	D5304.2	.....	.25662
D3110.5	.....	24716	D3870	.....	24968	D4242	.....	25205	D5312	.....	.25648
D3111	.....	24720	D3873	.....	24976	D4243	.....	25183	D5324	.....	.25664
D3112	.....	24724	D3876	.....	24984	D4248	.....	25208	D5328	.....	.25668
D3112.4	.....	24740	D3877	.....	24982	D4249	.....	25210	D5336	.....	.25672
D3112.6	.....	24744	D3877.2	.....	24981	D4260	.....	25304	D5346	.....	.25676
D3112.9	.....	24728	D3878	.....	24992	D4266	.....	25308	D5356	.....	.25680
D3113	.....	24730	D3881	.....	24996	D4272	.....	25312	D5370	.....	.25684
D3113.1	.....	24732	D3884	.....	25004	D4276	.....	25316	D5400	.....	.25688
D3113.3	.....	24734	D3885	.....	25008	D4284	.....	25348	D5404	.....	.25692
D3113.31	.....	24736	D3885.5	.....	25012	D4284.2	.....	25344	D5404.1	.....	.25696
D3113.8	.....	24748	D3886	.....	25016	D4286	.....	25356	D5414	.....	.25708
D3114	.....	24752	D3888	.....	25032	D4287.5	.....	25364	D5418	.....	.25700
D3115	.....	24758	D3900	.....	25036	D4290	.....	25372	D5420	.....	.25704
D3115.5	.....	24756	D3904	.....	25044	D4294	.....	25384	D5430	.....	.25712
D3116	.....	24760	D3906	.....	25048	D4311	.....	25452	D5436	.....	.25716
D3118	.....	24764	D3930	.....	25056	D4314	.....	25476	D5442	.....	.25720
D3120	.....	24768	D3940	.....	25064	D4315	.....	25460	D5460	.....	.25724
D3120.2	.....	24784	D3944	.....	25068	D4315.1	.....	25464	D5464	.....	.25728
D3120.4	.....	24776	D3980	.....	25212	D4319	.....	25484	D5510	.....	.25752
D3120.41	.....	24780	D3981	.....	25213	D4326	.....	25492	D5520	.....	.25756
D3122	.....	24788	D3990	.....	25084	D4332	.....	25496	D5522	.....	.25768
D3123	.....	24792	D4000	.....	25100	D4332.1	.....	25500	D5522.1	.....	.25772
D3125	.....	24796	D4006	.....	25096	D4340	.....	25504	D5524	.....	.25776
D3126	.....	24798	D4008	.....	25088	D4342.5	.....	25506	D5524.1	.....	.25780
D3127	.....	24840	D4008.1	.....	25092	D4343	.....	25508	D5528	.....	.25784
D3128	.....	24804	D4018	.....	25104	D4343.1	.....	25512	D5531	.....	.25785
D3129	.....	24812	D4028	.....	25136	D4370	.....	25516	D5600	.....	.25788
D3130	.....	24816	D4032	.....	25120	D4380	.....	25528	D5606	.....	.25808
D3130.1	.....	24820	D4036	.....	25124	D4382	.....	25532	D5607	.....	.25792
D3131	.....	24824	D4036.1	.....	25128	D4384	.....	25536	D5607.1	.....	.25796
D3131.1	.....	24828	D4039	.....	25116	D4384.1	.....	25540	D5608	.....	.25812
D3134	.....	24832	D4040	.....	25112	D4390	.....	25524	D5660	.....	.25824
D3135	.....	24836	D4043	.....	25140	D4800	.....	26072	D5660.1	.....	.25828
D3137.45	.....	24910	D4046	.....	25144	D4800.1	.....	26076	D5704	.....	.25832

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
D5705		25836	D8580.6		25038	E0079.2		4412	E0131.2		4594.2
D5720		25838	D8581.7		25049	E0080		4420	E0131.3		4594.4
D5734		25840	D8584.4		25058	E0082		4422	E0132		4595
D5770		25844	D8588.2		25070	E0086		22780	E0132.2		4595.5
D5772		25852	D8588.6		25226	E0088		4424	E0132.4		4595.75
D5773		25848	D8605		25388	E0088.4		4428	E0134		4596
D5774		25860	D8605.2		25420	E0089.5		4430	E0136.8		4600
D5790		25864	D8605.3		25424	E0090		4440	E0137		4604
D5791		25868	D8605.4		25440	E0091		4432	E0137.3		4608
D5792		25872	D8610		25444	E0091.6		4437	E0138		4616
D5792.2		25874	D8625		25502	E0092		4444	E0139		4628
D5794		25876	D8629		25544	E0092.4		4448	E0140		4624
D5798		25880	D8633		25552	E0093		4452	E0141		4632
D5801		25884	E0008		4264	E0094		4460	E0141.5		4636
D5803		25888	E0012		4266	E0095		4456	E0146		4640
D5810		25892	E0018		4268	E0095.5		4462	E0146.2		4644
D5830		25896	E0018.3		4272	E0096		4464	E0146.4		4645
D5831		25948	E0018.4		4276	E0098		4472	E0146.6		4646
D5832		25940	E0020		4280	E0099		4468	E0147		4648
D5832.1		25944	E0022		4282	E0100.4		4469	E0147.5		4650
D5833		25936	E0022.2		4284	E0101		4474	E0148		4652
D5834		25900	E0024		4288	E0101.4		4473	E0149		4656
D5836		25902	E0031		4292	E0101.6		4473.5	E0152		4664
D5838		25904	E0032		4296	E0102		4476	E0154		4668
D5840		25908	E0032.2		4300	E0103		4484	E0155		4672
D5841.1		25932	E0056		4304	E0106		4492	E0157		4676
D5843		25925	E0057.6		4312	E0107		4494	E0158		4680
D5847		25916	E0057.8		4316	E0107.2		4494.4	E0158.6		4682.5
D5847.1		25920	E0058		4320	E0107.3		4494.2	E0159		4692
D5848		25945	E0058.5		4339	E0107.7		4495	E0159.3		4696
D5849		25945.5	E0059		4340	E0108		4496	E0160		4700
D5860		25956	E0059.4		4330	E0109		4500	E0161		4684
D5867		25960	E0060.3		4334	E0109.2		4504	E0162		4688
D5867.1		25964	E0060.4		4328	E0109.3		4508	E0166		4704
D5870		25968	E0060.5		4324	E0109.4		4506	E0168		4708
D5880		25972	E0060.6		4332	E0109.5		4509	E0169		4712
D5880.5		25973	E0060.7		4336	E0109.6		4510	E0172		4716
D5900		25980	E0060.8		4346	E0109.7		4511	E0172.5		4720
D5903		25984	E0061		4348	E0110		4512	E0173.6		4724
D5905		25986	E0062		4360	E0111		4516	E0174		4728
D5910		25976	E0064		4364	E0112		4520	E0174.2		4732
D5929		26049	E0064.5		4366	E0113		4522	E0174.4		4732.5
D5929.1		26049.1	E0065		4366.5	E0114		4524	E0174.6		4732.75
D5930		25988	E0065.3		4367	E0116		4528	E0174.9		4734
D5934		25992	E0065.5		4367.1	E0117.5		4532	E0174.92		4733
D5934.2		25996	E0065.7		4367.2	E0120		4536	E0174.93		4733.5,
D5935		26000	E0066		4368	E0120.5		4540	4735		
D5935.1		26004	E0067		4376	E0120.7		4541	E0175.2		4740
D5936		26008	E0067.5		4372	E0124		4548	E0175.4		4736
D5936.1		26012	E0068		4380	E0125		4552	E0176		5300
D5937		26016	E0069		4370	E0125.3		4556	E0179		5304
D5938		26020	E0069.2		4371	E0125.6		4560	E0179.4		5308
D5938.4		26024	E0069.4		4371.5	E0126		4564	E0180		5312
D5939		26028	E0070		4384	E0126.2		4568	E0184		5324
D5940		26032	E0070.2		4384.5	E0126.4		4569	E0185		5332
D5942		26036	E0072		4392	E0126.5		4576.5	E0186		5316
D5943		26040	E0073.2		4396	E0126.64		4577.2	E0186.1		5320
D5953		26044	E0073.6		4404	E0126.65		4576.75	E0187		5328
D5954		26048	E0073.7		4402	E0126.7		4577	E0187.5		5329
D5958		26050	E0074		4408	E0126.75		4577.5	E0188		5333
D5960		26051	E0074.8		4411	E0128		4588	E0188.5		5334
D6000		26056	E0075		4409	E0130		4592	E0190		5338
D6002		26060	E0075.2		4410	E0130.3		4590	E0190.2		5338.5
D6110		26064	E0077		4411.5	E0130.5		4593	E0194		5340
D8542.2		24842	E0079		4416	E0131		4594	E0196		5348

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
E0197		5352	E0246		5552	E0310		5144	E0336		5020
E0197.2		5356	E0248		5548	E0310.4		5148	E0336.6		5024
E0198		5360	E0249		4760	E0311		5152	E0336.8		5022
E0199		5362	E0249.1		4764	E0311.2		5154	E0337		5028
E0199.2		5362.2	E0250		4744	E0311.4		5156	E0338		4852
E0200		5368	E0251		4748	E0311.8		5160	E0338.3		4856
E0200.4		5372	E0252		4752	E0311.9		5162	E0338.6		4860
E0200.8		5382	E0253		4756	E0312.2		5164	E0339		4864
E0201.1		5421.5	E0253.5		4774	E0312.3		5168	E0340		4868
E0201.11		5421.6	E0254		4772	E0312.6		5172	E0342		5184
E0201.15		5374	E0256		4768	E0313		5176	E0344		5188
E0201.2		5380	E0258		4776	E0314		4872	E0345		5192
E0201.4		5384	E0260		4780	E0314.2		4885	E0345.4		5196
E0201.5		5376	E0262		4844	E0314.4		4876	E0345.6		5200
E0202		5388	E0263		4809	E0314.6		4880	E0345.8		5208
E0203.4		5400	E0264		4808	E0315		4884	E0345.9		5204
E0204		5404	E0264.4		4810	E0315.4		4887	E0346.2		5216
E0204.2		5408	E0265		4820	E0315.8		4888	E0346.4		5212
E0205		5412	E0266		4824	E0316		4892	E0348		5220
E0207		5416	E0266.2		4828	E0316.3		4895	E0350		5224
E0207.5		5417	E0267		4840	E0316.4		4896	E0350.5		5226
E0208.6		5422	E0267.2		4842	E0316.5		4896.5	E0351		5228
E0208.65		5423	E0267.8		4799	E0316.6		4895.5	E0351.1		5232
E0209		5364	E0268		4800	E0316.7		4900	E0352		5236
E0209.6		5424	E0270		4804	E0316.72		4901	E0354		5240
E0209.7		5424.5	E0273		4796	E0316.74		4902	E0355		5238
E0210		5425	E0273.3		4796.4	E0316.8		4912	E0356		5252
E0210.75		5427	E0274		4784	E0316.82		4916	E0358		5256
E0212.6		5448	E0276		4788	E0316.83		4920	E0359		5260
E0214		5432	E0278		4848	E0316.84		4924	E0360		5264
E0214.2		5431	E0282		5032	E0317		4904	E0361		5268
E0214.6		5440	E0284		5036	E0317.2		4908	E0361.4		5272
E0214.7		5442	E0286		5030	E0318		4936	E0361.6		5276
E0216		5452	E0288		5044	E0318.3		4940	E0362		5284
E0217		5449	E0289		5040	E0318.6		4944	E0362.4		5280
E0217.2		5449.5	E0290		5048	E0318.7		4942	E0364		5288
E0217.4		5450	E0290.1		5052	E0318.71		4941	E0364.2		5292
E0217.5		5450.5	E0291		5056	E0318.8		4932	E0364.4		5296
E0218		5454	E0293		5060	E0319		4934	E0366		5180
E0219		5456	E0293.2		5064	E0320		4992	E0367		5182
E0220		5460	E0296		5068	E0322		4976	E0370		5568
E0221		5464	E0298		5072	E0322.2		4980	E0370.3		5556
E0222		5504	E0299		5084	E0326		4951.5	E0370.35		5560
E0222.2		5508	E0299.5		5077	E0326.2		4951	E0370.6		5564
E0222.4		5512	E0300.2		5080	E0328		4950	E0371		5565
E0224		5476	E0301		5076	E0328.08		4946	E0371.2		5572
E0226		5480	E0303		5090	E0328.3		4948	E0373		5576
E0226.1		5482	E0303.2		5091	E0328.31		4949	E0374		5580
E0226.15		5482.5	E0303.7		5086	E0328.32		4996	E0374.2		5584
E0226.2		5488	E0304		5100	E0328.34		4968	E0374.4		5588
E0226.4		5492	E0306		5096	E0328.36		4972	E0375		5592
E0226.5		5483	E0306.5		5097	E0328.38		4960	E0376		5599
E0229.2		5496	E0306.6		5099	E0328.39		4964	E0377		5598
E0229.3		5484	E0307		5098	E0328.42		4952	E0380		5600
E0229.4		5486	E0307.1		5104	E0328.7		5000	E0380.5		5608
E0230		5516	E0307.16		5105	E0328.75		5004	E0380.55		5604
E0231		5519	E0307.17		5107	E0328.8		5002	E0381		5610
E0231.6		5518	E0307.19		5107.5	E0329		5006	E0381.5		5612
E0232		5520	E0307.2		5108	E0329.6		5004	E0382.3		5614
E0234		5528	E0308		5116	E0330		5008	E0382.4		5614.5
E0234.4		5524	E0308.2		5120	E0332		5012	E0382.5		5615
E0238		5532	E0308.6		5132	E0332.5		5012.5	E0382.6		5615.5
E0239		5536	E0308.7		5128	E0333		5013	E0383		5620
E0239.4		5540	E0309		5136	E0333.2		5014	E0384		5616
E0244		5544	E0309.4		5140	E0334		5016	E0385		5624

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
E0385.5		5628	E0434.45		5796	E0498		6024	E0562		6244
E0386		5632	E0434.59		5798	E0498.5		6028	E0566		6248
E0386.1		5634	E0434.591		5786	E0504		6044	E0576		6268
E0386.2		5636	E0434.592		5788	E0506		6032	E0577		6264
E0386.6		5640	E0434.71		5800	E0508		6036	E0577.4		6269
E0386.7		5641	E0434.72		5802	E0509		6040	E0577.5		6270
E0386.71		5641.5	E0434.73		5804	E0512		6056	E0578		6272
E0386.72		5641.2	E0435		5868	E0512.5		6060	E0578.2		6280
E0386.8		5643	E0437		5864	E0512.6		6064	E0579		6260
E0387		5644	E0439		5874	E0513		6068	E0580		6276
E0387.2		5648	E0439.2		5874.5	E0514		6080	E0582		6284
E0387.4		5646	E0439.3		5870	E0514.5		6072	E0582.2		6288
E0388		5652	E0439.35		5872	E0515		6076	E0583		6292
E0388.12		5682	E0439.5		5875	E0515.2		6077	E0583.2		6296
E0388.2		5662	E0439.8		5875.4	E0516		6078	E0583.4		6300
E0388.35		5684	E0440		5876	E0516.1		6078.5	E0584		6316
E0388.4		5660	E0446		5880	E0517		6084	E0584.2		6304
E0389		5670	E0446.5		5884	E0517.6		6092	E0584.4		6308
E0392		5676	E0448		5888	E0517.7		6096	E0586		6320
E0392.1		5678	E0452		5891	E0517.8		6097	E0590		6330
E0392.12		5679	E0452.08		5893	E0517.9		6098	E0590.2		6331
E0392.3		5689	E0452.1		5894	E0518		6088	E0592		6348
E0392.33		5690	E0452.2		5892	E0522		6100	E0594		6344
E0392.37		5690.5	E0452.7		5895	E0522.1		6100.1	E0600		6356
E0392.4		5691	E0453		5896	E0524		6104	E0600.2		6360
E0392.6		5668	E0456		5900	E0525		6106	E0601		6392
E0393		5664	E0459		5912	E0525.2		6106.5	E0602		6408
E0393.2		5665	E0460		5920	E0526		6107	E0602.1		6412
E0393.4		5650	E0462		5916	E0526.2		6120	E0602.2		6416
E0393.6		5691.3	E0464		5924	E0527.2		6113	E0602.3		6420
E0393.7		5691.5	E0466.4		5927	E0527.5		6114	E0602.32		6428
E0393.8		5691.6	E0466.6		5926	E0527.52		6115	E0602.33		6424
E0393.85		5691.7	E0466.7		5928	E0527.65		6123	E0602.34		6432
E0394		5692	E0466.75		5929	E0527.7		6122	E0602.36		6436
E0394.2		5696	E0466.8		5930	E0527.8		6122.5	E0602.6		6440
E0394.4		5700	E0467		5932	E0528		6112	E0603		6404
E0394.6		5704	E0468		5936	E0529		6108	E0604		6396
E0394.8		5705	E0470		5940	E0534		6128	E0604.1		6400
E0395		5706	E0471.2		5942	E0535		6124	E0604.5		6454
E0396		5708	E0472		5944	E0535.4		6132	E0605		6450
E0396.12		5718	E0474		5948	E0536		6140	E0605.2		6452
E0396.14		5720	E0474.4		5952	E0536.2		6144	E0606.2		6464
E0396.2		5712	E0475.4		5956	E0538		6136	E0606.8		6456
E0396.3		5716	E0475.5		5960	E0539		6152	E0606.9		6460
E0396.5		5732	E0475.52		5960.5	E0540		6148	E0607		6468
E0396.52		5728	E0475.53		5961	E0542		6154	E0607.2		6472
E0396.6		5736	E0475.54		5961.5	E0544		6164	E0608		6480
E0396.62		5740	E0475.6		5964	E0545		6162	E0609		6488
E0396.64		5744	E0475.7		5968	E0546		6180	E0609.1		6492
E0396.8		5745	E0476		5972	E0547		6196	E0609.4		6496
E0396.85		5746	E0479		5976	E0547.5		6200	E0609.41		6500
E0396.9		5747	E0480		5980	E0547.7		6204	E0609.5		6484
E0397		5748	E0484		5984	E0548		6212	E0610		6504
E0398		5752	E0486		5988	E0550		6192	E0610.2		6508
E0399		5753	E0488		5992	E0551		6188	E0610.5		6512
E0400		5760	E0489		5996	E0552		6184	E0610.6		6516
E0401.55		5761	E0490		6000	E0555		6232	E0611		6520
E0401.58		5762	E0490.4		6004	E0556		6224	E0615		6524
E0401.7		5763	E0492		6008	E0557		6228	E0615.4		6526
E0402		5768	E0492.2		6009	E0557.2		6216	E0616.8		6522
E0405		5774	E0493		6012	E0558		6221	E0617		6528
E0407.4		5776	E0495		6016	E0558.2		6222	E0620		6540
E0407.6		5780	E0496		6020	E0560		6236	E0622		6544
E0407.62		5784	E0497		6048	E0561		6240	E0624		6548
E0434.4		5795	E0497.1		6052	E0561.5		6241	E0624.7		6549

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
E0624.8		6550	E0712		6792	E0791.7		7038	E0854		8104
E0625.3		6552	E0713		6788	E0792		7040	E0855		8108
E0625.6		6556	E0714		6796	E0792.4		7039	E0856		8112
E0628		6560	E0716		6820	E0792.5		7039.5	E0858		8120
E0630		6564	E0717		6832	E0792.6		7039.6	E0860		8124
E0631		6568	E0717.8		6822	E0793		7052	E0861		8116
E0634		6572	E0719		6828	E0793.4		7048	E0862		8110
E0635		6580	E0719.5		6824	E0794		7056	E0862.6		8110.5
E0635.4		6584	E0720		6836	E0795		7060	E0863		8132
E0636		6592	E0721		6837	E0795.5		7064	E0864		8136
E0637		6588	E0726		6852	E0796		7068	E0865		8137
E0637.2		6600	E0727		6856	E0796.8		7070	E0865.2		8138
E0637.6		6596	E0729		6844	E0797		7072	E0866		8148
E0642		6604	E0730		6848	E0797.8		7074	E0866.4		8152
E0643		6608	E0732		6849	E0798		7076	E0867		8156
E0644		6616	E0734		6860	E0798.4		7080	E0869		8160
E0646		6612	E0739		6864	E0798.6		7082	E0870		8168
E0654		6620	E0739.1		6868	E0799		7084	E0870.3		8164
E0655		6633	E0740		6872	E0799.4		7088	E0870.6		8172
E0655.5		6634	E0740.2		6876	E0800		7096	E0870.8		8176
E0656		6624	E0740.4		6880	E0801		7092	E0871.5		8180
E0657		6632	E0741		6884	E0803		7100	E0872		7948
E0660		6628	E0741.2		6835.5	E0804		7104	E0874		7952
E0662		6636	E0741.6		6835	E0805		7108	E0874.5		7950
E0664		6640	E0741.7		6835.1	E0806		7112	E0875		7960
E0666		6644	E0741.8		6834	E0808		7116	E0876		7944
E0667		6648	E0742		6840	E0809		7106	E0878		7964
E0668		6652	E0744		6888	E0810		7120	E0882		7976
E0674		6656	E0746		6892	E0810.4		7122	E0886		7968
E0676		6660	E0748		6896	E0811		7124	E0888		7980
E0677		6668	E0749		6900	E0812.2		7128	E0889		7986
E0678		6664	E0750		6904	E0814		7132	E0890		7984
E0679		6672	E0751		6908	E0818		7136	E0894		7988
E0680		6688	E0752		6912	E0818.6		7160	E0896		7992
E0682		6676	E0753		6916	E0818.7		7164	E0898		7996
E0682.5		6678	E0754		6920	E0819		7140	E0899		8000
E0683		6684	E0754.2		6924	E0819.6		7144	E0899.2		8001
E0684		6680	E0754.6		6928	E0821		7168	E0900		8004
E0685		6692	E0754.7		6932	E0822		7184	E0902		8036
E0686		6700	E0754.8		6936	E0823		7188	E0905		8034
E0687		6696	E0755.6		6940	E0824		7192	E0906		8032
E0690		6704	E0756		6944	E0824.2		7196	E0908		8008
E0693		6716	E0757		6948	E0825		7200	E0910		8012
E0693.3		6712	E0759		6952	E0826		7204	E0911		8016
E0694		6708	E0764		6956	E0828		7216	E0912		8021
E0695		6720	E0765		6964	E0830		7208	E0913		8020
E0697		6724	E0765.3		6972	E0831		7210	E0914		8024
E0698		6736	E0765.4		6960	E0832		7212	E0915		8028
E0698.2		6732	E0766		6968	E0833		7220	E0916		8040
E0698.4		6740	E0770		6976	E0835		7226	E0918		8044
E0699		6742	E0771		6984	E0836		7224	E0919		8048
E0700		6744	E0772		6988	E0836.2		7228	E0920		8052
E0701		6748	E0774		6992	E0838		7232	E0922		8056
E0702		6752	E0778		7000	E0838.4		7256	E0923		8060
E0702.4		6756	E0779		7004	E0838.42		7260	E0924		8064
E0704		6764	E0784		7008	E0838.44		7264	E0926		8068
E0706		6768	E0784.2		7012	E0839		7244	E0928		8072
E0708		6772	E0784.6		7014	E0839.2		7248	E0930		8076
E0709		6776	E0786		7016	E0840		7240	E0932		8084
E0709.4		6780	E0786.2		7018	E0842		7236	E0933		8092
E0709.6		6784	E0788		7024	E0848		7268	E0933.2		8096
E0709.65		6776.5	E0788.4		7028	E0849		7272	E0934		8088
E0709.75		6778	E0790		7020	E0850		7276	E0935		8080
E0709.8		6786	E0791		7032	E0852		8100	E0936		8200
E0710		6760	E0791.4		7036	E0853		8098	E0937		8204

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
E0937.1		8204.1	E1009.8		8666	E1072		8448	E1136.55		8252
E0938		8208	E1010		8664	E1073		8445	E1136.6		8248
E0940		8196	E1012.2		8648	E1073.1		8446	E1136.8		8236
E0942		8188	E1012.4		8649	E1074		8436	E1138		8216
E0946		8192	E1013.5		8656	E1080		8440	E1139		8224
E0950		8836	E1013.6		8660	E1084		8444	E1140		8220
E0951		8848	E1013.8		8612	E1086		8428	E1141		8232
E0953		8824	E1014		8616	E1090		8432	E1147		7280
E0955		8766	E1019		8624	E1092		8416	E1147.4		7284
E0957		8768	E1020		8632	E1093		8388	E1147.6		7288
E0957.1		8772	E1025		8640	E1093.1		8392	E1149		7292
E0958		8828	E1028		8600	E1093.5		8418	E1149.05		7294
E0958.2		8829	E1028.4		8604	E1093.6		8419	E1149.08		7300
E0960		8760	E1028.6		8608	E1094		8412	E1149.2		7296
E0960.1		8761	E1029		8592	E1094.1		8414	E1150.4		7304
E0961		8784	E1029.2		8596	E1094.6		8404	E1150.6		7308
E0962		8780	E1030		8588	E1095		8400	E1152		7316
E0962.4		8776	E1031		8580	E1096		8396	E1156		7320
E0963		8788	E1031.2		8584	E1096.5		8419.5	E1157		7328
E0964		8792	E1032		8564	E1096.6		8419.75	E1158		7332
E0966		8756	E1033		8569	E1098		8420	E1160		7336
E0968		8764	E1034		8568	E1098.4		8424	E1162		7340
E0972		8796	E1036		8572	E1099		8364	E1164		7344
E0974		8804	E1037		8576	E1099.2		8363	E1166		7348
E0980		8816	E1042		8560	E1100		8370	E1166.2		7352
E0980.1		8820	E1042.1		8544	E1100.04		8371	E1168		7356
E0984		8840	E1043		8548	E1100.5		8374	E1169		7360
E0988		8832	E1044		8556	E1100.8		8376	E1170		7364
E0990		8833	E1048		8552	E1101		8380	E1171		7368
E0990.2		8834	E1049		8550	E1103		8360	E1171.4		7380
E0990.4		8835.5	E1052.7		8541	E1103.2		8362	E1171.5		7384
E0990.6		8835	E1053		8536	E1103.24		8358	E1171.6		7388
E0991		8752	E1053.2		8540	E1104		8356	E1171.7		7392
E0992		8748	E1054		8532	E1104.2		8353	E1171.8		7395
E0993		8753	E1056		8501	E1105.2		8344	E1172		7396
E0994		8740	E1056.2		8500	E1106		8324	E1172.8		7400
E0995		8742	E1057		8502	E1107.2		8332	E1175		7420
E0995.4		8737	E1057.4		8503	E1107.6		8336	E1175.1		7408
E0995.42		8738	E1058		8524	E1108		8320	E1180		7440
E0996		8744	E1059		8520	E1111		8316	E1181.9		7472
E0998		8736	E1059.2		8516	E1112		8312	E1182		7476
E0998.6		8736.5	E1062		8504	E1116.4		8308	E1182.3		7416
E1000		8732	E1063		8512	E1116.5		8309	E1185		7448
E1002		8724	E1064		8508	E1117		8286	E1185.2		7452
E1003		8728	E1065		8528	E1117.2		8288	E1186		7456
E1004		8720	E1065.61		8503.25	E1118		8292	E1186.1		7460
E1005		8696	E1065.615		8503.45	E1119		8296	E1188		7484
E1005.4		8692	E1065.62		8503.2	E1119.2		8290	E1193		7490
E1006		8700	E1065.625		8503.4	E1120		8300	E1194		7492
E1006.1		8704	E1065.63		8503.65	E1122		8284	E1196		7500
E1007		8708	E1065.64		8503.6	E1122.6		8285	E1197		7496
E1007.3		8712	E1065.66		8503.9	E1124		8276	E1198		7504
E1008		8716	E1065.67		8503.85	E1126		8280	E1199		7508
E1008.4		8684	E1065.68		8503.8	E1130		8212	E1199.2		7512
E1008.5		8686	E1066		8488	E1132		8268	E1201		7516
E1008.7		8688	E1066.2		8492	E1133		8266	E1201.3		7520
E1009		8672	E1066.24		8476	E1133.5		8265	E1202		7528
E1009.2		8676	E1066.26		8480	E1134		8264	E1202.2		7533
E1009.4		8680	E1066.28		8484	E1134.4		8264.5	E1202.4		7532
E1009.5		8671	E1066.7		8464	E1135		8262	E1202.6		7524
E1009.56		8669	E1066.71		8468	E1136.32		8244	E1206		7568
E1009.6		8669.5	E1067		8456	E1136.4		8249	E1208		7544
E1009.62		8670	E1070		8452	E1136.41		8249.1	E1208.2		7556
E1009.65		8665	E1071		8449.1	E1136.5		8250	E1208.6		7560
E1009.7		8668	E1071.2		8449	E1136.51		8250.1	E1208.8		7564

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
E1212	.....	7540	E1328.5	.....	7833	E1456	.....	9000	E1564	.....	9276
E1215	.....	7608	E1329	.....	7836	E1457	.....	9008	E1565	.....	9280
E1216	.....	7596	E1330	.....	7840	E1458	.....	9004	E1565.1	.....	9284
E1217	.....	7592	E1330.4	.....	7844	E1459	.....	9012	E1566	.....	9288
E1218	.....	7576	E1331	.....	7848	E1460	.....	9016	E1567	.....	9292
E1219	.....	7580	E1334	.....	7852	E1461	.....	9020	E1568	.....	9294
E1220	.....	7584	E1340	.....	7856	E1462	.....	9024	E1570	.....	9296
E1221	.....	7585	E1341	.....	7864	E1462.1	.....	9028	E1570.2	.....	9300
E1225	.....	7600	E1342	.....	7860	E1466	.....	9032	E1572	.....	9308
E1226	.....	7604	E1347	.....	7868	E1466.2	.....	9036	E1573	.....	9304
E1230	.....	7612	E1347.8	.....	7872	E1466.4	.....	9040	E1574	.....	9310
E1233	.....	7620	E1348	.....	7876	E1468	.....	9044	E1575.5	.....	9312
E1236	.....	7624	E1348.5	.....	7874	E1470	.....	9048	E1576	.....	9220
E1237	.....	7632	E1356	.....	7892	E1472	.....	9052	E1577	.....	9216
E1238	.....	7628	E1358	.....	7880	E1474	.....	9056	E1580	.....	9228
E1244	.....	7636	E1359	.....	7882	E1476	.....	9060	E1582	.....	9240
E1246	.....	7640	E1360	.....	7896	E1477.5	.....	9068	E1583	.....	9236
E1248	.....	7644	E1368	.....	7888	E1480	.....	9076	E1584	.....	9232
E1254	.....	7648	E1370	.....	7884	E1481	.....	9088	E1588	.....	9224
E1255	.....	7660	E1374	.....	7924	E1482	.....	9084	E1592	.....	9320
E1255.5	.....	7652	E1376.2	.....	7912	E1483	.....	9080	E1594	.....	9324
E1256	.....	7657	E1376.4	.....	7916	E1486	.....	9092	E1595	.....	9326
E1256.2	.....	7656	E1380	.....	7920	E1488	.....	9096	E1598	.....	9328
E1257	.....	7664	E1380.2	.....	7928	E1490	.....	9100	E1600	.....	9332
E1257.2	.....	7668	E1380.4	.....	7932	E1492	.....	9104	E1600.5	.....	9333
E1257.4	.....	7672	E1381	.....	7936	E1496	.....	9108	E1606	.....	9340
E1257.7	.....	7676	E1382	.....	7940	E1500	.....	9112	E1606.2	.....	9341
E1257.8	.....	7680	E1384	.....	8980	E1502	.....	9116	E1608	.....	9344
E1257.9	.....	7684	E1388.4	.....	8984	E1503	.....	9120	E1610	.....	9348
E1258	.....	7692	E1390	.....	8988	E1504	.....	9124	E1612	.....	9352
E1262	.....	7696	E1392	.....	8852	E1504.4	.....	9128	E1614	.....	9356
E1263	.....	7708	E1394	.....	8856	E1505	.....	9137.5	E1614.3	.....	9360
E1265	.....	7700	E1396	.....	8860	E1505.2	.....	9137	E1615	.....	9362
E1265.4	.....	7704	E1400	.....	8864	E1506	.....	9136	E1615.2	.....	9363
E1268	.....	7720	E1401	.....	8872	E1506.2	.....	9138	E1616	.....	9368
E1269	.....	7724	E1402	.....	8868	E1507	.....	9139	E1617	.....	9372
E1270	.....	7812	E1403	.....	8876	E1508	.....	9132	E1618	.....	9364
E1270.2	.....	7816	E1404	.....	8880	E1510	.....	9140	E1619	.....	9376
E1274	.....	7820	E1408	.....	8888	E1513	.....	9152	E1620	.....	9380
E1278	.....	7808	E1409	.....	8890	E1514	.....	9148	E1622	.....	9384
E1280	.....	7804	E1410	.....	8892	E1518	.....	9156	E1623	.....	9388
E1280.2	.....	7800	E1412	.....	8896	E1518.2	.....	9153	E1625.2	.....	9396
E1281	.....	7796	E1414	.....	8916	E1518.5	.....	9154	E1626	.....	9404
E1281.2	.....	7792	E1415	.....	8900	E1518.7	.....	9154.5	E1626.2	.....	9408
E1282.2	.....	7789	E1416.5	.....	8904	E1519	.....	9160	E1626.4	.....	9412
E1282.4	.....	7790	E1417	.....	8920	E1519.4	.....	9164	E1626.6	.....	9416
E1283	.....	7788	E1417.2	.....	8924	E1524	.....	9168	E1628.4	.....	9400
E1284	.....	7784	E1423	.....	8932	E1526	.....	9180	E1628.5	.....	9417
E1285	.....	7780	E1424	.....	8928	E1526.2	.....	9176	E1628.6	.....	9418
E1285.2	.....	7772	E1428	.....	8936	E1526.3	.....	9172	E1628.7	.....	9420
E1285.4	.....	7776	E1428.2	.....	8935	E1538	.....	9192	E1629	.....	9424
E1288	.....	7768	E1429	.....	8934	E1540.5	.....	9196	E1629.4	.....	9428
E1290	.....	7764	E1432	.....	8948	E1541	.....	9200	E1631	.....	9432
E1292	.....	7760	E1434	.....	8944	E1541.2	.....	9208	E1632	.....	9436
E1300	.....	7732	E1436	.....	8940	E1541.3	.....	9204	E1634	.....	9444
E1302	.....	7736	E1438	.....	8952	E1541.35	.....	9209	E1636	.....	9440
E1304	.....	7740	E1439	.....	8956	E1541.6	.....	9212	E1646	.....	9475
E1312	.....	7744	E1440	.....	8960	E1542	.....	9244	E1647.5	.....	9465
E1312.1	.....	7748	E1441	.....	8964	E1550	.....	9248	E1648	.....	9464
E1318	.....	7756	E1444	.....	8884	E1551	.....	9252	E1650	.....	9476
E1319	.....	7752	E1446	.....	8992	E1552	.....	9256	E1652	.....	9452
E1323	.....	7728	E1448	.....	8968	E1554	.....	9260	E1653	.....	9456
E1324	.....	7824	E1450	.....	8972	E1558	.....	9264	E1654	.....	9460
E1326	.....	7828	E1454	.....	8976	E1560	.....	9268	E1658	.....	9480
E1328	.....	7832	E1455	.....	8996	E1562	.....	9272	E1662	.....	9484

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
E1663	.....	9492	E1763	.....	9704.5	E1849.4	.....	10337	E1905	.....	10144
E1664	.....	9488	E1763.2	.....	9704.7	E1849.6	.....	10338	E1906	.....	10136
E1664.2	.....	9496	E1763.35	.....	9704.6	E1850	.....	10340	E1907	.....	10137
E1667	.....	9500	E1764	.....	9705	E1852	.....	10352	E1908	.....	10132
E1669	.....	9508	E1764.1	.....	9705.1	E1852.5	.....	10354	E1912	.....	10140
E1678	.....	9516	E1764.3	.....	9706	E1852.6	.....	10355	E1912.5	.....	10138
E1679	.....	9520	E1764.31	.....	9706.7	E1854	.....	10364	E1916	.....	10120
E1680	.....	9524	E1766	.....	9708	E1855	.....	10368	E1918	.....	10116
E1681	.....	9528	E1769	.....	9716	E1855.2	.....	10372	E1920	.....	10124
E1683	.....	9539.1	E1770	.....	9720	E1856	.....	10376	E1922	.....	10112
E1683.5	.....	9539	E1772	.....	9724	E1856.5	.....	10378	E1926	.....	10096
E1684	.....	9536	E1773	.....	9728	E1857	.....	10380	E1926.2	.....	10100
E1685	.....	9532	E1773.6	.....	9732	E1857.4	.....	10384	E1927	.....	10104
E1687	.....	9538	E1776	.....	9736	E1858	.....	10386	E1928	.....	10108
E1688	.....	9539.5	E1777	.....	9740	E1858.1	.....	10387	E1928.5	.....	10094
E1692	.....	9540	E1780	.....	9744	E1858.2	.....	10388	E1928.7	.....	10095
E1692.5	.....	9550	E1780.5	.....	9748	E1858.3	.....	10389	E1930	.....	10092
E1693	.....	9544	E1780.6	.....	9752	E1858.4	.....	10390	E1932	.....	10080
E1694	.....	9548	E1780.7	.....	9756	E1858.6	.....	10391	E1932.5	.....	10082
E1695	.....	9552	E1780.8	.....	9760	E1859	.....	10316	E1933	.....	10084
E1695.6	.....	9554	E1781	.....	9764	E1860	.....	10308	E1938	.....	10076
E1696	.....	9556	E1782	.....	10580	E1861	.....	10306	E1938.3	.....	10078
E1698	.....	9560	E1784	.....	9847	E1861.5	.....	10305	E1940	.....	10064
E1700	.....	9564	E1785	.....	9846	E1861.8	.....	10282	E1942	.....	10068
E1702	.....	9568	E1786	.....	9824	E1862	.....	10276	E1944	.....	10072
E1706	.....	9572	E1786.3	.....	9825	E1862.4	.....	10280	E1947.5	.....	10018
E1708	.....	9576	E1786.5	.....	9826	E1862.5	.....	10284	E1948	.....	10016
E1710	.....	9580	E1788	.....	9828	E1862.51	.....	10288	E1949	.....	10024
E1711	.....	9584	E1790	.....	9832	E1862.59	.....	10292	E1950	.....	10028
E1716	.....	9588	E1792	.....	9836	E1862.6	.....	10296	E1952	.....	10020
E1718	.....	9592	E1792.7	.....	9830	E1862.61	.....	10300	E1956	.....	10004
E1720	.....	9596	E1793	.....	9838	E1862.8	.....	10304	E1958	.....	10012
E1722	.....	9600	E1796	.....	9852	E1862.9	.....	10304.5	E1960	.....	10008
E1730	.....	9604	E1798	.....	9848	E1864	.....	10268	E1962	.....	10000
E1730.2	.....	9612	E1800	.....	9840	E1865	.....	10272	E1966	.....	10032
E1730.4	.....	9616	E1802	.....	9844	E1865.5	.....	10250	E1968	.....	10036
E1733	.....	9620	E1806	.....	9784	E1866	.....	10248	E1970	.....	10044
E1733.5	.....	9624	E1809	.....	9788	E1867	.....	10244	E1976	.....	10048
E1734	.....	9626	E1810	.....	9785	E1868	.....	10252	E1978	.....	10052
E1734.3	.....	9627	E1810.1	.....	9785.1	E1868.1	.....	10256	E1979.2	.....	10060
E1735	.....	9632	E1810.2	.....	9786	E1870	.....	10260	E1982	.....	10040
E1737	.....	9628	E1810.21	.....	9786.1	E1876	.....	10240	E1986	.....	9988
E1738	.....	9636	E1813	.....	9766	E1877.8	.....	10238	E1987	.....	9992
E1739	.....	9640	E1814	.....	9768	E1878	.....	10236	E1988	.....	9996
E1739.2	.....	9644	E1816	.....	9772	E1879	.....	10232	E1990	.....	9984
E1739.4	.....	9648	E1817	.....	9776	E1880	.....	10230	E1992	.....	9968
E1739.7	.....	9650	E1818	.....	9780	E1882	.....	10224	E1993	.....	9980
E1739.8	.....	9650.1	E1821	.....	10434	E1884	.....	10228	E1993.5	.....	9972
E1740	.....	9652	E1822	.....	10436	E1885	.....	10216	E1993.6	.....	9976
E1741	.....	9656	E1823	.....	10440	E1885.4	.....	10220	E1994	.....	9940
E1742	.....	9660	E1824	.....	10442	E1886	.....	10212	E1994.2	.....	9948
E1743	.....	9661	E1826	.....	10432	E1888	.....	10208	E1996	.....	9956
E1743.2	.....	9662	E1827	.....	10428	E1890	.....	10196	E1997	.....	9960
E1746	.....	9664	E1828	.....	10400	E1891	.....	10200	E2000	.....	9964
E1747	.....	9668	E1830	.....	10420	E1892	.....	10192	E2004	.....	9936
E1747.2	.....	9674	E1831	.....	10424	E1894	.....	10188	E2005	.....	9924
E1747.3	.....	9672	E1832	.....	10404	E1896	.....	10184	E2008	.....	9908
E1750	.....	9676	E1832.5	.....	10408	E1898	.....	10180	E2010	.....	9914
E1752	.....	9680	E1836	.....	10396	E1900	.....	10172	E2011	.....	9917
E1756	.....	9684	E1838	.....	10392	E1900.2	.....	10168	E2012	.....	9917.5
E1756.5	.....	9688	E1846	.....	10328	E1900.4	.....	10164	E2013	.....	9910
E1757	.....	9692	E1846.1	.....	10332	E1900.6	.....	10160	E2014	.....	9912
E1758	.....	9696	E1847	.....	10320	E1902	.....	10152	E2019	.....	9916
E1760	.....	9700	E1848	.....	10324	E1902.2	.....	10156	E2023	.....	9900
E1762	.....	9704	E1849	.....	10336	E1904	.....	10128	E2025	.....	9892

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
E2026	.....	9896	E2137	.....	10646	E2223.4	.....	10864	E2315.6	.....	11142
E2030	.....	9876	E2138	.....	10648	E2224	.....	10868	E2316	.....	11145
E2035	.....	9868	E2142.3	.....	10650	E2226	.....	10872	E2317	.....	11143
E2035.2	.....	9870	E2142.4	.....	10656	E2228	.....	10876	E2317.2	.....	11143.5
E2036	.....	9860	E2142.5	.....	10660	E2228.5	.....	10880	E2319	.....	11151
E2038	.....	9856	E2142.6	.....	10664	E2230	.....	10884	E2320	.....	11152
E2042	.....	9796	E2142.8	.....	10722	E2230.4	.....	10886	E2324	.....	11156
E2044	.....	9800	E2142.9	.....	10748	E2231	.....	10888	E2325	.....	11160
E2044.2	.....	9808	E2142.92	.....	10744	E2232	.....	10892	E2326	.....	11164
E2044.4	.....	9812	E2143	.....	10672	E2233	.....	10896	E2326.2	.....	11168
E2045	.....	9816	E2143.2	.....	10676	E2234	.....	10908	E2332	.....	11176
E2045.3	.....	9820	E2144	.....	10677	E2236	.....	10900	E2333	.....	11180
E2045.4	.....	9804	E2144.4	.....	10708	E2238	.....	10920	E2334	.....	11184
E2045.7	.....	9822	E2144.43	.....	10712	E2240	.....	10916	E2335	.....	11172
E2046	.....	9792	E2144.44	.....	10716	E2241	.....	10904	E2336	.....	11188
E2050	.....	10504	E2144.45	.....	10720	E2242	.....	10928	E2337	.....	11190
E2051	.....	10508	E2144.47	.....	10718	E2243	.....	10924	E2337.2	.....	11192
E2051.2	.....	10512	E2144.48	.....	10719	E2244	.....	10932	E2337.6	.....	11208
E2054	.....	10516	E2144.5	.....	10724	E2246	.....	10936	E2338	.....	11200
E2055.5	.....	10524	E2145	.....	10700	E2246.2	.....	10940	E2338.2	.....	11204
E2057	.....	10526	E2145.2	.....	10702	E2247	.....	10944	E2339	.....	11196
E2058	.....	10528	E2146	.....	10704	E2247.3	.....	10948	E2343	.....	11214
E2061.5	.....	10544	E2150	.....	10680	E2248	.....	10952	E2344	.....	11216
E2062	.....	10548	E2150.1	.....	10684	E2250	.....	10960	E2346	.....	11224
E2064	.....	10552	E2152	.....	10688	E2252	.....	10956	E2347	.....	11228
E2068	.....	10560	E2152.1	.....	10692	E2254	.....	10964	E2348	.....	11232
E2070	.....	10564	E2153	.....	10696	E2258	.....	10968	E2349	.....	11220
E2070.4	.....	10566	E2158.4	.....	10694	E2260	.....	10976	E2350	.....	11236
E2070.6	.....	10565	E2162	.....	10728	E2261	.....	10972	E2352	.....	11248
E2070.7	.....	10568	E2162.2	.....	10732	E2262	.....	10980	E2352.5	.....	11252
E2076	.....	10572	E2162.4	.....	10736	E2264	.....	10984	E2354	.....	11264
E2080	.....	10472	E2162.6	.....	10740	E2266	.....	10988	E2358	.....	11276
E2082	.....	10468	E2164	.....	10752	E2268	.....	10996	E2359	.....	11268
E2084	.....	10476	E2164.1	.....	10756	E2274.4	.....	11000	E2360	.....	11272
E2086	.....	10464	E2168	.....	10760	E2274.6	.....	11004	E2362	.....	11280
E2088	.....	10444	E2170	.....	10768	E2275	.....	11008	E2364	.....	11284
E2089	.....	10448	E2172	.....	10764	E2276	.....	11012	E2366	.....	11288
E2090	.....	10460	E2172.2	.....	10765	E2277	.....	11016	E2368	.....	11292
E2091	.....	10456	E2173	.....	10772	E2278	.....	11020	E2372	.....	11296
E2092	.....	10452	E2174	.....	10776	E2281	.....	11024	E2374	.....	11300
E2094	.....	10480	E2174.4	.....	10778	E2282	.....	11028	E2376	.....	11304
E2096	.....	10496	E2176	.....	10780	E2284	.....	11032	E2381	.....	11308
E2098	.....	10500	E2177	.....	10784	E2286	.....	11036	E2382	.....	11312
E2106	.....	10492	E2177.5	.....	10786	E2288	.....	11040	E2384	.....	11316
E2107	.....	10484	E2178	.....	10788	E2288.4	.....	11044	E2388	.....	11317
E2108	.....	10584	E2182	.....	10792	E2294	.....	11076	E2388.2	.....	11318
E2109	.....	10588	E2185.6	.....	10690	E2296	.....	11064	E2390	.....	11320
E2111.4	.....	10592	E2186	.....	10796	E2297	.....	11072	E2393	.....	11336
E2112	.....	10596	E2188	.....	10800	E2298	.....	11068	E2394	.....	11324
E2118	.....	10600	E2190	.....	10804	E2300	.....	11060	E2396	.....	11328
E2120	.....	10620	E2192	.....	10808	E2303	.....	11080	E2397	.....	11332
E2121	.....	10616	E2194	.....	10812	E2304	.....	11084	E2404	.....	11340
E2121.5	.....	10612	E2196	.....	10816	E2304.2	.....	11088	E2405	.....	11344
E2122	.....	10604	E2198	.....	10822.5	E2305	.....	11092	E2406	.....	11348
E2123	.....	10608	E2202	.....	10846	E2306	.....	11100	E2411	.....	11352
E2128	.....	10624	E2203	.....	10830	E2307	.....	11104	E2412	.....	11360
E2130	.....	10628	E2204	.....	10824	E2307.2	.....	11108	E2413	.....	11356
E2130.5	.....	10630	E2206	.....	10828	E2307.5	.....	11112	E2417.8	.....	11380
E2130.6	.....	10631	E2208	.....	10822	E2307.7	.....	11120	E2418	.....	11376
E2130.61	.....	10631.1	E2210	.....	10836	E2308	.....	11124	E2419	.....	11384
E2131	.....	10632	E2212	.....	10832	E2312	.....	11128	E2420	.....	11388
E2131.2	.....	10636	E2214	.....	10844	E2313	.....	11132	E2421	.....	11392
E2132	.....	10640	E2216	.....	10840	E2314	.....	11140	E2422	.....	11396
E2133	.....	10642	E2222	.....	10856	E2315	.....	11136	E2426	.....	11400
E2134	.....	10644	E2223	.....	10860	E2315.1	.....	11138	E2428	.....	11404

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
E2430	.....	11408	E2544	.....	11636	E2660	.....	11905	E2794	.....	12104
E2432	.....	11424	E2545	.....	11640	E2660.2	.....	11906	E2798	.....	12108
E2433	.....	11420	E2547	.....	11648	E2662	.....	11908	E2798.2	.....	12110
E2434	.....	11428	E2548	.....	11644	E2663	.....	11912	E2799	.....	12112
E2440	.....	11436	E2550	.....	11652	E2665	.....	11920	E2799.2	.....	12180
E2441	.....	11438	E2551	.....	11656	E2668	.....	11928	E2799.4	.....	12176
E2443	.....	11448	E2553	.....	11660	E2669	.....	11926	E2799.6	.....	12184
E2443.3	.....	11449	E2554	.....	11664	E2670	.....	11924	E2801	.....	12188
E2444.7	.....	11451	E2555	.....	11668	E2670.2	.....	11925	E2802	.....	12172
E2450	.....	11452	E2556	.....	11670	E2672	.....	11932	E2804	.....	12200
E2451	.....	11456	E2557	.....	11706	E2674	.....	11936	E2810	.....	12204
E2452	.....	11460	E2558	.....	11676	E2676	.....	11940	E2812	.....	12208
E2453	.....	11464	E2560	.....	11680	E2680	.....	11944	E2816	.....	12212
E2456	.....	11468	E2561	.....	11684	E2682	.....	11956	E2817	.....	12216
E2458	.....	11476	E2562	.....	11688	E2684	.....	11948	E2818	.....	12220
E2462	.....	11480	E2565	.....	11700	E2686	.....	11952	E2820	.....	12224
E2463	.....	11490	E2568	.....	11696	E2690	.....	11960	E2822	.....	12228
E2464	.....	11488	E2569	.....	11692	E2692	.....	11972	E2824	.....	12240
E2464.4	.....	11492	E2576	.....	11708	E2694	.....	11980	E2828	.....	12244
E2465	.....	11484	E2578	.....	11712	E2696	.....	11976	E2829	.....	12226
E2466	.....	11500	E2580	.....	11724	E2700	.....	11988	E2830	.....	12232
E2467	.....	11496	E2582	.....	11728	E2706	.....	11992	E2840	.....	12252
E2468	.....	11504	E2586	.....	11732	E2710	.....	11996	E2842	.....	12248
E2480	.....	11516	E2587	.....	11736	E2712	.....	11968	E2843	.....	12254
E2481	.....	11508	E2588	.....	11716	E2718	.....	12000	E2844	.....	12256
E2484	.....	11520	E2588.2	.....	11717	E2720	.....	12004	E2844.5	.....	12256.2
E2485	.....	11532	E2592	.....	11744	E2721	.....	12008	E2844.8	.....	12256.4
E2486	.....	11524	E2593	.....	11748	E2721.2	.....	12012	E2845.1	.....	12342
E2486.1	.....	11528	E2595	.....	11792	E2724	.....	12016	E2850	.....	12336
E2488	.....	11536	E2596	.....	11796	E2726	.....	12020	E2854	.....	12348
E2488.4	.....	11530	E2597	.....	11764	E2727	.....	12032	E2854.2	.....	12344
E2488.5	.....	11531	E2597.2	.....	11768	E2728	.....	12024	E2855	.....	12340
E2488.7	.....	11534	E2598	.....	11760	E2734	.....	12036	E2856	.....	12352
E2488.8	.....	11535	E2601	.....	11756	E2738	.....	12040	E2857	.....	12356
E2489	.....	11544	E2601.4	.....	11772	E2738.2	.....	12052	E2862	.....	12360
E2490	.....	11540	E2602	.....	11788	E2742	.....	12048	E2863	.....	12532
E2490.8	.....	11545	E2602.2	.....	11784	E2744	.....	12116	E2864	.....	12536
E2491	.....	11546	E2603	.....	11776	E2748	.....	12056	E2864.1	.....	12540
E2492	.....	11548	E2603.1	.....	11780	E2749	.....	12058	E2866	.....	12528
E2504	.....	11556	E2604	.....	11800	E2750	.....	12060	E2866.5	.....	12526
E2504.2	.....	11557	E2605	.....	11808	E2750.3	.....	12154	E2867	.....	12524
E2505.1	.....	11558	E2607	.....	11812	E2751	.....	12064	E2868	.....	12516
E2506	.....	11560	E2608	.....	11834	E2752	.....	12120	E2869	.....	12512
E2506.4	.....	11564	E2612	.....	11832	E2754	.....	12124	E2870	.....	12508
E2508	.....	11568	E2612.2	.....	11828	E2756	.....	12128	E2870.4	.....	12504
E2518	.....	11572	E2618	.....	11836	E2758	.....	12140	E2871	.....	12194
E2519.5	.....	11574	E2620	.....	11840	E2759	.....	12144	E2872	.....	12472
E2520	.....	11580	E2622	.....	11844	E2760	.....	12132	E2873	.....	12196
E2520.4	.....	11584	E2624	.....	11848	E2761	.....	12136	E2874	.....	12496
E2520.5	.....	11588	E2628	.....	11856	E2762	.....	12148	E2876	.....	12500
E2521	.....	11576	E2630	.....	11852	E2764	.....	12152	E2880	.....	12488
E2524	.....	11592	E2632	.....	11860	E2768	.....	12068	E2882	.....	12492
E2524.3	.....	11604	E2634	.....	11864	E2769	.....	12072	E2884	.....	12484
E2524.5	.....	11600	E2642	.....	11868	E2770	.....	12076	E2886	.....	12468
E2524.7	.....	11596	E2642.5	.....	11869	E2772	.....	12080	E2886.4	.....	12464
E2525.7	.....	11608	E2643	.....	11870	E2773	.....	12084	E2887	.....	12460
E2526	.....	11612	E2644	.....	11872	E2774	.....	12088	E2888	.....	12544
E2528	.....	11616	E2646	.....	11876	E2776	.....	12092	E2890	.....	12364
E2530	.....	11620	E2648	.....	11880	E2780	.....	12096	E2892	.....	12368
E2534	.....	11624	E2649	.....	11884	E2781	.....	12099	E2894	.....	12376
E2536	.....	11628	E2652	.....	11888	E2782	.....	12100	E2895	.....	12380
E2537.5	.....	11630	E2654	.....	11892	E2783	.....	12102	E2896	.....	12384
E2538	.....	11632	E2655	.....	11896	E2784	.....	12156	E2898	.....	12392
E2540	.....	11634	E2656	.....	11900	E2788	.....	12164	E2899	.....	12396
E2543	.....	11635	E2658	.....	11904	E2792	.....	12160	E2900	.....	12400

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
E2901		12408	E2998		12632	E3107.5		12918	E3200		13080
E2902		12404	E3002		12332	E3108		12920	E3202		13076
E2903.3		12428	E3004		12328	E3110		12924	E3204		13088
E2904		12476	E3006		12324	E3112		12928	E3205		13068
E2905		12480	E3008		12320	E3115		12932	E3206		13084
E2906		12388	E3012		12316	E3116		12936	E3208		13092
E2908		12412	E3014		12312	E3116.2		12940	E3212		13096
E2910		12416	E3016		12308	E3116.3		12938	E3214		13072
E2912		12420	E3019		12304	E3116.4		12944	E3218		13104
E2914		12424	E3022		12280	E3117		12948	E3219		13124
E2916		12432	E3023		12284	E3119		12888	E3220		13120
E2922		12444	E3024		12288	E3120		12884	E3222		13132
E2923		12436	E3026		12292	E3121		12922	E3224		13128
E2926		12448	E3028		12296	E3121.3		12877	E3225		13136
E2928		12452	E3029		12300	E3121.5		12878	E3225.1		13138
E2929		12456	E3032		12276	E3121.7		12879	E3225.2		13140
E2931		12458	E3034		12268	E3122		12880	E3225.3		13142
E2938		12568	E3035		12270	E3124		12892	E3226		13304
E2940		12548	E3036		12260	E3127		12897	E3226.5		13286
E2941		12552	E3038		12264	E3127.4		12898	E3227		13292
E2942		12556	E3042		12272	E3131		12902	E3227.7		13298
E2942.3		12558	E3043		12273	E3132		12904	E3228		13300
E2942.4		12560	E3044		12772	E3132.3		12906	E3228.5		13276
E2942.5		12564	E3046		12780	E3132.5		12875.5	E3229		13280
E2943		12576	E3048		12784	E3132.8		12875	E3229.2		13296
E2943.9		12578	E3050		12788	E3133		12874.5	E3229.5		13272
E2944		12580	E3052		12800	E3133.5		12874	E3229.7		13284
E2945		12646.5	E3054		12792	E3134		12872	E3229.75		13143
E2946		12646	E3058		12796	E3140		12988	E3229.8		13288
E2948		12584	E3060		12804	E3142		12992	E3230		13152
E2950		12704	E3064		12808	E3144		12996	E3230.5		13148
E2951		12696	E3065		12825	E3148		13000	E3231		13144
E2952		12700	E3066		12812	E3150		12954	E3232		13164
E2953		12688	E3068		12820	E3151		12954.5	E3232.5		13164.4
E2954		12692	E3072		12816	E3152		12956	E3234		13112
E2960		12708	E3075		12648	E3154		12960	E3236		13168
E2961		12724	E3077		12656	E3156		12964	E3238		13160
E2962		12712	E3078		12660	E3157		12968	E3240		13156
E2964		12728	E3080		12664	E3158		12972	E3242		13180
E2966		12732	E3081		12824	E3160		12976	E3243		13176
E2970		12736	E3082		12668	E3164		12980	E3244		13172
E2971		12744	E3083		12676	E3165		12984	E3248		13184
E2972		12740	E3084		12672	E3166		12985	E3250		13188
E2972.5		12749	E3086		12684	E3167		12986	E3251		13192
E2973		12748	E3087		12680	E3167.5		13003	E3252		13200
E2973.1		12752	E3087.4		12720	E3168		13004	E3256		13196
E2973.3		12756	E3088		12716	E3172		13010	E3258		13212
E2973.4		12760	E3089		12826	E3174		13016	E3260		13204
E2973.6		12764	E3090		12828	E3175		13020	E3262		13208
E2974		12768	E3090.5		12835	E3176		13024	E3263		13216
E2974.3		12767	E3092		12832	E3177		13028	E3264		13220
E2975		12588	E3093		12836	E3178		13029	E3265.5		13230
E2976		12592	E3094.4		12844	E3179		13012	E3266		13224
E2977		12594	E3095		12856	E3180		13032	E3267		13232
E2978		12596	E3096		12852	E3181		13036	E3267.5		13234
E2982		12600	E3097		12860	E3183		13040	E3274		13268
E2984		12608	E3097.4		12848	E3184		13044	E3275		13260
E2986		12612	E3098		12864	E3185		13052	E3275.5		13264
E2988		12624	E3099		12868	E3186		13048	E3276		13256
E2992		12620	E3099.5		12870	E3188		13056	E3276.6		13258
E2994		12616	E3100		12876	E3191		13058	E3276.7		13259
E2995		12604	E3106		12908	E3193		13060	E3277		13236
E2995.6		12640	E3106.4		12952	E3194		13062	E3278		13240
E2995.8		12647	E3107		12912	E3196		13064	E3279		13248
E2997		12644	E3107.2		12916	E3197		13063	E3280		13252

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
E3282	.....	13316	E3361	.....	13486	E3476	.....	13840	E3579	.....	14030
E3283	.....	13308	E3364	.....	13540	E3477	.....	13844	E3580	.....	14004
E3284	.....	13312	E3366	.....	13545	E3478	.....	13848	E3582	.....	14008
E3285	.....	13320	E3366.2	.....	13544	E3479	.....	13852	E3584	.....	14012
E3285.5	.....	13318	E3368	.....	13548	E3480	.....	13856	E3586	.....	11052
E3285.51	.....	13319	E3370	.....	13552	E3481	.....	13860	E3588	.....	11056
E3286	.....	13324	E3376	.....	13492	E3482	.....	13864	E3590	.....	14024
E3286.5	.....	13322	E3378	.....	13496	E3486	.....	13872	E3592	.....	14028
E3287	.....	13336	E3380	.....	13556	E3486.5	.....	13828	E3595	.....	14032
E3288	.....	13328	E3384	.....	13560	E3487	.....	13824	E3595.5	.....	14031
E3290	.....	13332	E3386	.....	13502	E3488	.....	13820	E3596	.....	14036
E3292	.....	13340	E3388	.....	13580	E3488.5	.....	13814	E3598	.....	14040
E3292.5	.....	13346	E3390	.....	13584	E3490	.....	13664	E3600	.....	14044
E3293	.....	13344	E3392	.....	13564	E3492	.....	13668	E3601	.....	14050
E3294	.....	13348	E3393	.....	13586	E3493	.....	13591	E3601.5	.....	14051
E3295	.....	13352	E3394	.....	13588	E3496	.....	13812	E3601.7	.....	14050.5
E3295.4	.....	13356	E3395	.....	13590	E3498	.....	13813	E3602	.....	14052
E3295.7	.....	13358	E3396	.....	13568	E3499.2	.....	13749	E3602.1	.....	14056
E3296	.....	13360	E3398	.....	13572	E3499.3	.....	13748	E3604	.....	14048
E3297	.....	13364	E3400	.....	13576	E3499.5	.....	13748.5	E3610	.....	14060
E3298	.....	13368	E3404	.....	13596	E3500.5	.....	13732	E3612	.....	14064
E3299	.....	13372	E3405	.....	13598	E3501	.....	13736	E3613	.....	14068
E3299.4	.....	13376	E3406	.....	13600	E3501.2	.....	13740	E3613.7	.....	14076
E3300	.....	13380	E3408	.....	13604	E3501.4	.....	13744	E3614	.....	14088
E3302	.....	13384	E3409	.....	13608	E3501.6	.....	13746	E3614.5	.....	14084
E3304	.....	13388	E3410	.....	13612	E3502	.....	13752	E3615	.....	14096
E3306	.....	13392	E3412	.....	13616	E3502.2	.....	13756	E3616	.....	14092
E3308	.....	13396	E3412.4	.....	13620	E3516	.....	13764	E3620	.....	14100
E3314	.....	13400	E3412.6	.....	13624	E3520	.....	13808	E3622	.....	14104
E3316	.....	13432	E3413	.....	13636	E3521	.....	13792	E3623	.....	14108
E3316.5	.....	13433	E3413.1	.....	13638	E3521.3	.....	13796	E3624	.....	14112
E3318	.....	13434	E3414	.....	13632	E3521.5	.....	13800	E3628	.....	14116
E3320.1	.....	13467	E3416	.....	13640	E3522	.....	13804	E3630	.....	14120
E3323	.....	13448	E3418	.....	13628	E3526	.....	13772	E3632	.....	14124
E3324	.....	13452	E3419	.....	13642	E3528	.....	13776	E3637	.....	14160
E3325	.....	13464	E3420	.....	13648	E3530	.....	13780	E3638	.....	14156
E3325.4	.....	13472	E3422	.....	13652	E3531	.....	13784	E3639	.....	14148
E3326	.....	13468	E3426	.....	13644	E3532	.....	13788	E3643	.....	14152
E3327	.....	13436	E3428	.....	13656	E3535.5	.....	13947	E3644	.....	14144
E3328	.....	13440	E3431	.....	13660	E3536	.....	13948	E3644.5	.....	14142
E3328.4	.....	13444	E3431.5	.....	13592	E3537	.....	13952	E3645	.....	14140
E3328.6	.....	13446	E3432	.....	13672	E3537.4	.....	13956	E3646	.....	14136
E3330	.....	13476	E3434	.....	13676	E3537.5	.....	13960	E3647	.....	14132
E3331	.....	13428	E3436	.....	13680	E3537.6	.....	13964	E3648	.....	14128
E3331.2	.....	13427	E3438	.....	13684	E3538	.....	13904	E3652	.....	14164
E3331.5	.....	13370	E3439	.....	13688	E3544	.....	13912	E3654	.....	14168
E3331.9	.....	13509	E3440	.....	13692	E3545	.....	13908	E3655	.....	14176
E3332	.....	13508	E3442	.....	13696	E3546	.....	13932	E3656	.....	14172
E3333	.....	13510	E3443	.....	13700	E3548	.....	13920	E3658	.....	14180
E3334	.....	13512	E3444	.....	13704	E3551	.....	13940	E3660	.....	14184
E3334.5	.....	13514	E3445	.....	13708	E3552	.....	13936	E3661	.....	14188
E3336	.....	13516	E3446	.....	13712	E3553	.....	13938	E3662	.....	14192
E3338	.....	13520	E3448	.....	13716	E3554	.....	13944	E3662.4	.....	14193
E3340	.....	13524	E3450	.....	13720	E3556	.....	13968	E3663	.....	14200
E3342	.....	13528	E3451	.....	13724	E3558	.....	13975	E3664	.....	14196
E3344	.....	13532	E3452	.....	13900	E3560	.....	13980	E3666	.....	14204
E3346	.....	13536	E3454	.....	13888	E3560.5	.....	13982	E3670	.....	14208
E3348	.....	13426	E3458	.....	13892	E3561	.....	13984	E3674	.....	14212
E3349	.....	13408	E3460	.....	13896	E3562	.....	13988	E3676	.....	14216
E3350	.....	13416	E3461	.....	13884	E3564	.....	13990	E3678	.....	14220
E3351	.....	13418	E3463	.....	13876	E3566	.....	13992	E3682	.....	14224
E3354	.....	13420	E3464	.....	13878	E3570	.....	13996	E3684	.....	14236
E3356	.....	13424	E3470	.....	13832	E3575	.....	14000	E3685	.....	14240
E3357	.....	13478	E3470.5	.....	13834	E3576	.....	14016	E3686	.....	14244
E3360	.....	13484	E3471	.....	13836	E3578	.....	14020	E3688	.....	14248

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
E3689	.....	14256	E3786	.....	14476	E3892	.....	14712	E3979	.....	14860
E3690	.....	14260	E3788	.....	14480	E3896	.....	14616	E3984	.....	14724
E3691	.....	14268	E3791.2	.....	14494	E3898	.....	14620	E3985	.....	14726
E3693	.....	14269	E3792	.....	14484	E3900	.....	14624	E3986	.....	14728
E3696	.....	14272	E3794	.....	14488	E3901	.....	14625	E3988	.....	14737
E3698	.....	14276	E3794.5	.....	14492	E3901.2	.....	14626	E3989	.....	14736
E3702	.....	14280	E3794.7	.....	14489	E3901.5	.....	14627	E3990	.....	14740
E3702.5	.....	14282	E3795	.....	14491	E3902	.....	14628	E3995.5	.....	14878
E3703	.....	14284	E3795.6	.....	14490	E3903	.....	14630	E3995.6	.....	14879
E3703.1	.....	14288	E3795.7	.....	14491.5	E3904	.....	14632	E3996	.....	14880
E3704	.....	14292	E3796	.....	14496	E3905	.....	14634	E3997	.....	14884
E3705	.....	14296	E3800	.....	14500	E3906	.....	14636	E3997.5	.....	14888
E3708	.....	14300	E3804	.....	14504	E3908	.....	14640	E3998	.....	14892
E3711	.....	14304	E3804.1	.....	14508	E3910	.....	14744	E4000	.....	14896
E3712	.....	14312	E3806	.....	14512	E3912	.....	14756	E4004	.....	14900
E3714	.....	14316	E3808	.....	14520	E3916.5	.....	14750	E4006	.....	14904
E3714.1	.....	14310	E3809	.....	14518	E3918	.....	14752	E4008	.....	14908
E3719	.....	14320	E3810	.....	14522	E3919	.....	14763	E4009	.....	14912
E3720	.....	14322	E3811	.....	14524	E3919.2	.....	14763.5	E4010	.....	14916
E3721	.....	14324	E3812	.....	14556	E3920	.....	14776	E4010.2	.....	14917
E3723	.....	14328	E3814	.....	14548	E3926	.....	14764	E4011	.....	14920
E3725	.....	14332	E3816	.....	14544	E3927	.....	14768	E4014	.....	14924
E3726	.....	14336	E3817	.....	14540	E3928	.....	14761	E4015	.....	14928
E3726.5	.....	14337	E3818	.....	14542	E3928.2	.....	14761.5	E4016	.....	14932
E3727	.....	14344	E3820	.....	14536	E3936	.....	14780	E4017	.....	14940
E3727.6	.....	14346	E3822	.....	14533	E3938	.....	14784	E4018	.....	14944
E3727.7	.....	14347	E3824	.....	14532	E3940	.....	14788	E4020	.....	14948
E3728	.....	14340	E3832	.....	14560	E3942	.....	14792	E4022	.....	14952
E3729	.....	14348	E3834	.....	14564	E3946	.....	14796	E4026	.....	14956
E3729.1	.....	14350	E3835	.....	14568	E3948	.....	14876	E4028	.....	14964
E3729.5	.....	14351	E3836	.....	14572	E3948.5	.....	14877	E4030	.....	14960
E3731	.....	14360	E3837	.....	14576	E3950	.....	14872	E4031	.....	14954
E3732	.....	14352	E3840	.....	14580	E3952	.....	14800	E4031.2	.....	14955
E3732.5	.....	14338	E3842	.....	14584	E3954.2	.....	14798	E4032	.....	14968
E3733	.....	14364	E3844	.....	14588	E3954.22	.....	14798.5	E4036	.....	14972
E3734	.....	14368	E3846	.....	14612	E3956	.....	14804	E4038	.....	14976
E3734.5	.....	14370	E3848	.....	14614	E3957	.....	14808	E4040	.....	14980
E3738	.....	14380	E3850	.....	14592	E3957.5	.....	14808.5	E4042	.....	14984
E3739	.....	14384	E3852	.....	14596	E3958	.....	14812	E4044	.....	14988
E3740	.....	14388	E3853	.....	14600	E3960	.....	14816	E4048	.....	14992
E3741	.....	14372	E3854	.....	14604	E3962	.....	14820	E4050	.....	15000
E3742.5	.....	14374	E3855	.....	14608	E3963	.....	14824	E4051	.....	15004
E3749	.....	14390	E3856	.....	14611	E3963.2	.....	14822	E4052	.....	15008
E3750	.....	14392	E3857	.....	14610	E3964	.....	14828	E4054	.....	15012
E3754	.....	14396	E3858	.....	14648	E3965	.....	14834	E4058	.....	15016
E3754.5	.....	14398	E3859	.....	14652	E3965.03	.....	14834.3	E4060	.....	15020
E3755	.....	14414	E3859.5	.....	14654	E3965.07	.....	14834.7	E4062	.....	15024
E3756	.....	14430	E3860	.....	14656	E3965.1	.....	14835	E4065	.....	15064
E3757	.....	14428	E3861	.....	14660	E3965.13	.....	14835.3	E4066	.....	15048
E3758	.....	14424	E3862	.....	14664	E3965.16	.....	14835.7	E4067	.....	15051
E3760	.....	14416	E3864	.....	14668	E3965.2	.....	14836	E4068	.....	15052
E3762	.....	14423	E3866	.....	14644	E3965.4	.....	14838	E4070	.....	15060
E3773	.....	14432	E3868	.....	14700	E3967	.....	14868	E4070.3	.....	15062
E3774	.....	14400	E3869	.....	14696	E3968.2	.....	14866	E4070.6	.....	15068
E3776	.....	14436	E3869.4	.....	14688	E3970	.....	14832	E4071	.....	15050
E3778	.....	14440	E3869.42	.....	14690	E3970.5	.....	14833	E4072	.....	15076
E3779	.....	14444	E3869.7	.....	14692	E3971	.....	14840	E4072.4	.....	15080
E3780	.....	14448	E3870	.....	14684	E3972	.....	14844	E4072.6	.....	15082
E3781	.....	14449	E3872	.....	14680	E3973	.....	14864	E4073	.....	15028
E3781.5	.....	14452	E3874	.....	14676	E3973.6	.....	14865	E4073.6	.....	15030
E3782	.....	14456	E3876	.....	14672	E3974	.....	14848	E4074	.....	15036
E3783	.....	14460	E3880	.....	14720	E3976	.....	14852	E4076	.....	15040
E3784	.....	14464	E3882	.....	14704	E3977	.....	14856	E4078	.....	15044
E3784.2	.....	14468	E3884	.....	14716	E3978.9	.....	14857	E4080	.....	15092
E3785	.....	14472	E3890	.....	14708	E3978.91	.....	14857.1	E4081	.....	15096

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
E4082	.....	15100	E4154	.....	15248	E4189.2	.....	15562	E4266.3	.....	15950
E4086	.....	15104	E4158	.....	15272	E4189.5	.....	15569	E4266.31	.....	15950.2
E4088	.....	15084	E4160	.....	15312	E4189.55	.....	15568.5	E4266.5	.....	15954
E4090	.....	15088	E4160.4	.....	15316	E4189.552	.....	15569.1	E4267	.....	15956
E4092	.....	15108	E4162	.....	15320	E4189.554	.....	15569.2	E4268	.....	15960
E4094	.....	15112	E4163	.....	15346	E4189.556	.....	15568	E4269	.....	15964
E4095	.....	15117	E4163.2	.....	15347	E4189.6	.....	15572	E4270	.....	15968
E4096	.....	15116	E4163.3	.....	15344	E4189.8	.....	15576	E4276	.....	15976
E4098	.....	15120	E4163.5	.....	15348	E4190	.....	15578	E4277	.....	15996
E4099	.....	15188	E4163.6	.....	15352	E4190.6	.....	15582	E4277.5	.....	15992
E4100	.....	15176	E4164	.....	15336	E4191	.....	15580	E4278	.....	15988
E4101	.....	15180	E4164.4	.....	15340	E4192	.....	15584	E4278.4	.....	15984
E4102	.....	15184	E4165	.....	15356	E4192.3	.....	15586	E4278.5	.....	15985
E4103	.....	15168	E4167	.....	15328	E4193	.....	15592	E4279	.....	16000
E4104	.....	15124	E4168	.....	15324	E4194	.....	15588	E4280	.....	16004
E4106	.....	15134.5	E4169	.....	15372	E4198	.....	15596	E4282	.....	15852
E4106.2	.....	15134	E4169.5	.....	15370	E4199	.....	15598	E4283	.....	15856
E4107	.....	15132	E4170	.....	15376	E4200	.....	15600	E4284	.....	15816
E4107.5	.....	15135	E4170.2	.....	15380	E4202	.....	15604	E4286	.....	15824
E4108	.....	15136	E4170.4	.....	15388	E4204	.....	15608	E4288	.....	15826
E4109	.....	15140	E4170.5	.....	15390	E4208	.....	15612	E4289	.....	15820
E4110	.....	15148	E4170.6	.....	15392	E4208.5	.....	15614	E4289.4	.....	15821
E4110.4	.....	15144	E4170.82	.....	15402	E4209	.....	15616	E4290	.....	15836
E4110.6	.....	15143	E4171.5	.....	15384	E4209.1	.....	15616.1	E4291	.....	15840
E4111	.....	15152	E4172.2	.....	15510	E4209.5	.....	15617	E4291.2	.....	15841
E4111.5	.....	15154	E4172.5	.....	15498	E4209.51	.....	15618	E4292	.....	15848
E4112	.....	15156	E4172.6	.....	15496	E4210	.....	15620	E4293	.....	15844
E4113	.....	15160	E4172.8	.....	15488	E4212	.....	15628	E4293.6	.....	15880
E4113.5	.....	15161	E4173	.....	15480	E4214	.....	15632	E4294	.....	15860
E4114	.....	15164	E4174	.....	15476	E4215	.....	15636	E4294.1	.....	15864
E4118	.....	15172	E4174.2	.....	15472	E4218	.....	15624	E4294.15	.....	15865
E4118.3	.....	15174	E4174.4	.....	15468	E4220	.....	15648	E4294.2	.....	15868
E4119	.....	15210	E4174.6	.....	15460	E4222	.....	15652	E4294.4	.....	15866
E4120	.....	15192	E4174.7	.....	15456	E4222.5	.....	15653	E4294.5	.....	15872
E4122	.....	15212	E4174.73	.....	15450	E4223	.....	15640	E4295	.....	15876
E4124	.....	15196	E4174.74	.....	15450.1	E4224	.....	15644	E4295.5	.....	15884
E4126	.....	15200	E4174.77	.....	15452	E4225	.....	15642	E4295.7	.....	15980
E4127	.....	15208	E4174.78	.....	15448	E4228	.....	15764	E4296	.....	15948
E4130	.....	15204	E4174.79	.....	15449	E4230	.....	15760	E4298	.....	15832
E4134	.....	15216	E4174.8	.....	15444	E4232	.....	15768	E4299	.....	15812
E4134.5	.....	15218	E4174.82	.....	15440	E4233	.....	15769	E4300	.....	15808
E4134.6	.....	15219	E4174.83	.....	15436	E4234	.....	15772	E4300.2	.....	15806
E4135	.....	15220	E4174.84	.....	15432	E4234.5	.....	15776	E4300.31	.....	15805
E4136	.....	15224	E4174.86	.....	15404	E4235.4	.....	15784	E4300.32	.....	15805.2
E4140	.....	15228	E4175	.....	15420	E4236.4	.....	15788	E4302	.....	15804
E4140.3	.....	15232	E4175.5	.....	15428	E4237	.....	15792	E4303	.....	15800
E4141	.....	15236	E4175.52	.....	15424	E4238	.....	15928	E4304	.....	15796
E4141.2	.....	15240	E4175.54	.....	15412	E4239	.....	15912	E4306	.....	15712
E4141.3	.....	15244	E4175.7	.....	15408	E4240	.....	15900	E4307	.....	15714
E4141.5	.....	15276	E4176	.....	15464	E4242	.....	15904	E4308	.....	15708
E4141.6	.....	15280	E4176.3	.....	15462	E4242.2	.....	15906	E4310	.....	15724
E4141.64	.....	15284	E4176.5	.....	15466	E4244	.....	15896	E4311	.....	15728
E4141.66	.....	15288	E4177.2	.....	15516	E4246	.....	15888	E4311.2	.....	15732
E4141.7	.....	15292	E4177.4	.....	15520	E4248	.....	15892	E4311.7	.....	15733
E4141.8	.....	15296	E4178	.....	15524	E4249	.....	15916	E4312	.....	15704
E4141.9	.....	15300	E4180	.....	15528	E4250	.....	15924	E4312.5	.....	15723
E4142	.....	15304	E4182	.....	15536	E4252	.....	15920	E4313	.....	15722
E4143	.....	15308	E4182.4	.....	15540	E4256	.....	15932	E4314	.....	15720
E4144	.....	15252	E4186	.....	15544	E4258	.....	15936	E4315	.....	15721
E4148	.....	15256	E4186.2	.....	15548	E4259	.....	15937	E4316	.....	15716
E4149	.....	15260	E4186.5	.....	15552	E4260	.....	15940	E4318	.....	15736
E4150	.....	15264	E4186.6	.....	15552.5	E4261	.....	15941	E4320	.....	15738
E4151	.....	15270	E4187.4	.....	15550	E4262	.....	15944	E4322	.....	15744
E4152	.....	15268	E4188.2	.....	15560	E4263	.....	15945	E4326	.....	15752
E4153	.....	15266	E4189	.....	15562.2	E4266	.....	15952	E4327	.....	15756

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
E4328	.....	15758	E4423.5	.....	16382	E4475.4	.....	16492	E4538	.....	16720
E4330	.....	15672	E4423.52	.....	16382.2	E4476	.....	16476	E4539.5	.....	16728
E4332	.....	15656	E4424	.....	16388	E4478	.....	16472	E4539.6	.....	16732
E4332.3	.....	15659	E4425	.....	16404	E4478.5	.....	16471	E4540	.....	16736
E4332.5	.....	15660	E4427	.....	16392	E4478.52	.....	16470	E4541	.....	16740
E4333	.....	15664	E4428	.....	16400	E4478.6	.....	16468.1	E4542	.....	16744
E4334	.....	15680	E4428.2	.....	16396	E4479	.....	16469	E4544	.....	16748
E4336	.....	15684	E4430	.....	16384	E4480	.....	16468	E4544.4	.....	16749.5
E4336.5	.....	15692	E4432	.....	16408	E4482	.....	16464	E4544.6	.....	16749
E4337.5	.....	15688	E4433	.....	16406	E4485	.....	16558	E4544.8	.....	16750
E4338	.....	15676	E4433.2	.....	16407	E4485.1	.....	16559	E4545	.....	16752
E4342	.....	15700	E4433.5	.....	16410	E4488	.....	16640	E4545.3	.....	16756
E4344	.....	16232	E4434	.....	16412	E4489	.....	16560	E4546	.....	16760
E4345.2	.....	16236	E4435	.....	16417	E4492	.....	16564	E4546.3	.....	16764
E4346	.....	16240	E4436	.....	16416	E4492.2	.....	16565	E4546.6	.....	16768
E4346.4	.....	16252	E4440	.....	16420	E4492.3	.....	16565.5	E4546.8	.....	16782
E4347	.....	16256	E4441	.....	16422	E4494	.....	16568	E4546.9	.....	16782.5
E4347.6	.....	16264	E4442	.....	16528	E4496	.....	16572	E4547	.....	16784
E4348	.....	16244	E4443	.....	16529	E4496.5	.....	16580	E4547.1	.....	16785
E4349.5	.....	16266	E4444	.....	16530	E4496.57	.....	16580.5	E4547.15	.....	16785.5
E4350	.....	16268	E4445.5	.....	16532	E4496.58	.....	16580.6	E4547.2	.....	16786
E4350.3	.....	16276	E4445.7	.....	16536	E4496.6	.....	16581	E4547.25	.....	16786.5
E4351	.....	16269	E4445.75	.....	16540	E4496.7	.....	16581.5	E4547.4	.....	16789
E4351.3	.....	16270	E4446	.....	16544	E4497	.....	16584	E4547.5	.....	16788
E4352	.....	16280	E4447	.....	16556	E4498	.....	16576	E4547.6	.....	16790
E4354	.....	16272	E4447.1	.....	16557	E4500	.....	16588	E4547.7	.....	16792
E4355	.....	16284	E4448	.....	16554	E4501	.....	16592	E4547.8	.....	16776
E4356	.....	16285	E4449	.....	16548	E4502	.....	16596	E4547.9	.....	16780
E4356.4	.....	16286	E4449.4	.....	16552	E4502.3	.....	16600	E4548	.....	16772
E4357	.....	16289	E4451	.....	16228	E4502.4	.....	16604	E4549.2	.....	16793
E4358	.....	16288	E4451.3	.....	16424	E4502.41	.....	16598	E4549.22	.....	16794
E4359	.....	16292	E4451.6	.....	16428	E4502.7	.....	16599	E4550	.....	16796
E4359.3	.....	16287	E4451.8	.....	16435	E4503	.....	16608	E4550.5	.....	16800
E4359.5	.....	16294	E4452	.....	16436	E4503.2	.....	16612	E4550.8	.....	16830.1
E4359.75	.....	16295	E4452.08	.....	16438	E4503.7	.....	16616	E4550.9	.....	16830
E4360	.....	16296	E4452.2	.....	16437	E4504	.....	16628	E4551	.....	16808
E4361	.....	16300	E4452.3	.....	16441	E4505	.....	16624	E4551.1	.....	16812
E4362	.....	16304	E4453	.....	16432	E4506	.....	16620	E4552	.....	16816
E4366	.....	16308	E4453.2	.....	16442	E4509	.....	16636	E4552.2	.....	16820
E4368	.....	16312	E4453.5	.....	16508	E4511	.....	16644	E4552.5	.....	16824
E4369	.....	16310	E4453.9	.....	16443	E4512	.....	16648	E4552.6	.....	16828
E4369.4	.....	16311	E4454	.....	16444	E4512.5	.....	16652	E4552.8	.....	16832
E4370	.....	16316	E4454.1	.....	16445	E4513	.....	16660	E4553	.....	16834
E4371	.....	16320	E4454.2	.....	16446	E4515	.....	16664	E4553.2	.....	16835
E4372	.....	16317	E4454.5	.....	16447	E4516	.....	16656	E4554	.....	16836
E4375	.....	16324	E4455	.....	16448	E4520	.....	16668	E4555	.....	16844
E4378	.....	16328	E4455.3	.....	16452	E4522	.....	16672	E4555.2	.....	16840
E4380	.....	16332	E4455.5	.....	16460	E4523	.....	16676	E4555.9	.....	16846
E4382	.....	16336	E4455.7	.....	16456	E4523.4	.....	16680	E4556	.....	16848
E4384	.....	16348	E4456	.....	16512	E4523.9	.....	16682	E4556.4	.....	16852
E4408	.....	16340	E4458	.....	16516	E4524	.....	16684	E4556.8	.....	16860
E4408.5	.....	16341	E4461	.....	16526	E4525	.....	16685	E4557.6	.....	16948
E4409	.....	16344	E4462	.....	16524	E4525.3	.....	16698	E4558	.....	16944
E4412	.....	16352	E4464	.....	16520	E4525.4	.....	16698.1	E4558.5	.....	16941
E4413	.....	16353, 16356	E4466	.....	16500	E4525.5	.....	16697	E4558.6	.....	16942
E4416	.....	16360	E4467	.....	16505	E4526	.....	16688	E4559	.....	16940
E4416.5	.....	16374	E4468	.....	16504	E4532	.....	16704	E4559.2	.....	16940.5
E4417	.....	16372	E4472	.....	16496	E4533	.....	16700	E4559.4	.....	16932
E4418	.....	16377	E4474	.....	16480	E4533.6	.....	16706	E4559.6	.....	16936.5
E4418.5	.....	16378	E4475	.....	16484	E4533.7	.....	16707	E4559.7	.....	16936
E4418.7	.....	16379	E4475.1	.....	16484.5	E4533.8	.....	16707.5	E4559.8	.....	16937
E4420	.....	16380	E4475.15	.....	16486	E4534	.....	16708	E4560	.....	16884
E4422	.....	16376	E4475.16	.....	16486.5	E4535	.....	16710	E4564	.....	16856
E4423	.....	16375	E4475.2	.....	16477	E4536	.....	16712	E4565	.....	16876
E4423.1	.....	16375.2	E4475.22	.....	16478	E4537	.....	16716	E4566	.....	16868

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
E4566.5		16872	E4617.6		19830	E4664.4		20008	E4726.7		20261
E4568		16864	E4617.9		19838	E4665		20016	E4727		20264
E4568.2		16954	E4618		19840	E4665.05		20018	E4727.5		20265
E4569		16952	E4620		19844	E4665.2		20172	E4727.55		20266
E4572		16920	E4621		19836	E4665.25		20174	E4727.6		20268
E4574		16916	E4621.2		19837	E4665.3		20165	E4727.7		20270
E4575		16904	E4621.3		19837.1	E4665.4		20164	E4728		20224
E4576.2		16908	E4621.5		19856	E4665.5		20166	E4729		20222
E4576.6		16912	E4621.6		19848	E4665.6		20168	E4730		20216
E4577		16900	E4621.62		19852	E4665.7		20162	E4730.4		20220
E4578		16888	E4622		19864	E4665.8		20160	E4731		20228
E4580		16892	E4622.1		19866	E4665.9		20030	E4731.4		20240
E4584		16928	E4622.3		19868	E4666.2		20033	E4731.6		20236
E4584.5		16925	E4622.4		19870	E4667		20031	E4731.7		20232
E4585		16924	E4622.7		19871	E4667.1		20031.5	E4732		20452
E4588		19696	E4622.8		19867	E4667.2		20031.6	E4732.5		20456
E4590		19700	E4623		19860	E4669		20036	E4733		20460
E4590.2		19702	E4626		19876	E4670		20040	E4733.4		20490
E4590.25		19702.5	E4627		19880	E4674		20044	E4734		20464
E4590.4		19703	E4628		19884	E4676		20048	E4734.2		20466
E4591		19704	E4628.7		19892	E4677		20050	E4734.4		20476
E4592		19708	E4630		19896	E4677.8		20051	E4735		20472
E4594		19752	E4632		19900	E4678		20052	E4735.1		20468
E4595		19740	E4634		19904	E4680		20028	E4735.2		20480
E4596		19744	E4634.5		19905	E4683		20020	E4735.5		20484
E4597		19748	E4638		19908	E4687		20064	E4736		20488
E4598		19732	E4640		19928	E4688		20060	E4737		20492
E4598.2		19736	E4640.5		19930	E4689		20056	E4738		20394
E4599		19720	E4642		19932	E4690		20068	E4739		20384
E4600		19724	E4643		19952	E4692		20080	E4740		20392
E4600.4		19725	E4643.25		19933	E4692.5		20078	E4741		20396
E4602		19716	E4643.5		19960	E4693		20076	E4742		20404
E4603		19712	E4644		19956	E4694		20072	E4743		20408
E4604		19810	E4646		19964	E4695		20070	E4744		20416
E4605		19772	E4647.5		19909.5	E4698		20132	E4745		20412
E4606		19776	E4647.71		19910	E4700		20152	E4746		20424
E4607		19756	E4647.8		19910.1	E4702		20136	E4747		20420
E4607.6		19760	E4647.86		19909	E4703		20140	E4749		20428
E4607.7		19770	E4648		19992	E4704		20144	E4750		20432
E4607.8		19761	E4649		19916	E4704.5		20146	E4751.5		20435
E4607.9		19762	E4649.4		19920	E4705		20148	E4751.7		20435.5
E4608		19768	E4649.6		19924	E4708		20180	E4752		20434
E4608.4		19764	E4650		19912	E4708.5		20176	E4755		20440
E4609		19754	E4650.1		19911.5	E4708.7		20204	E4755.5		20436
E4610		19780	E4650.2		19911	E4709		20205	E4756		20388
E4611		19784	E4652		19936	E4710		20186	E4757		20366
E4612		19788	E4653		19940	E4710.4		20187	E4757.5		20368
E4613		19792	E4653.2		19944	E4711		20196	E4758.1		20381
E4614		19796	E4653.3		19948	E4711.3		20192	E4758.2		20382
E4615.22		19799	E4654		19968	E4711.5		20200	E4758.4		20372
E4615.24		19799.3	E4655		19972	E4712		20208	E4758.45		20374
E4615.26		19799.5	E4655.2		19973	E4714		20212	E4759		20380
E4615.3		19798	E4655.5		19990	E4716		20272	E4760		20376
E4615.4		19800	E4656		19980	E4718		20276	E4760.3		20328
E4615.5		19804	E4656.4		19974	E4720		20280	E4760.7		20336
E4615.6		19808	E4656.6		19975	E4721		20284	E4761		20332
E4616		19816	E4657		19976	E4721.1		20285	E4761.3		20340
E4616.2		19812	E4658		19984	E4721.2		20285.1	E4761.5		20364
E4616.3		19822	E4659		19988	E4721.4		20288	E4761.8		20344
E4616.4		19824	E4661		19996	E4722		20244	E4762		20348
E4616.9		19825	E4661.5		19998	E4726		20256	E4763		20352
E4616.92		19826	E4661.6		19998.5	E4726.3		20257	E4763.2		20360
E4617		19827	E4662		20000	E4726.4		20258	E4763.5		20356
E4617.2		19828	E4664		20004	E4726.5		20258.5	E4764		20292
E4617.5		19832	E4664.3		20012	E4726.6		20260	E4764.5		20324

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
E4765	.....	20308	E4824.5	.....	16156	E4892	.....	17152	E4921	.....	17228
E4765.5	.....	20320	E4825	.....	16164	E4892.4	.....	17144	E4922	.....	17232
E4765.7	.....	20316	E4825.5	.....	16168	E4892.6	.....	17148	E4924	.....	17256
E4765.8	.....	20313	E4826	.....	16160	E4892.7	.....	17152.5	E4926	.....	17268
E4765.82	.....	20314	E4827	.....	16170	E4892.8	.....	17153	E4926.2	.....	17258
E4766	.....	20312	E4828	.....	16172	E4892.9	.....	17153.5	E4927	.....	17260
E4766.2	.....	20300	E4829	.....	16180	E4893	.....	17156	E4927.4	.....	17264
E4767	.....	20304	E4830	.....	16176	E4893.5	.....	17154	E4928	.....	17272
E4768.5	.....	20108	E4830.5	.....	16182	E4894	.....	17136	E4929	.....	17280
E4770	.....	20104	E4831	.....	16184	E4896	.....	17060	E4931	.....	17240
E4770.6	.....	20092	E4832	.....	16192	E4896.5	.....	17064	E4931.2	.....	17244
E4771	.....	20088	E4833	.....	16188	E4897	.....	17068	E4931.4	.....	17248
E4771.4	.....	20100	E4833.6	.....	16196	E4898	.....	17072	E4931.6	.....	17252
E4772	.....	20096	E4833.7	.....	16202	E4899	.....	17076	E4936.4	.....	17376
E4772.6	.....	20112	E4836	.....	16204	E4899.1	.....	17078	E4936.5	.....	17380
E4773	.....	20120	E4838	.....	16212	E4899.3	.....	17080	E4936.6	.....	17384
E4774	.....	20116	E4840	.....	16208	E4899.4	.....	17081	E4937	.....	17392
E4774.2	.....	20117	E4842	.....	16216	E4899.6	.....	17092	E4937.4	.....	17396
E4775	.....	20124	E4844	.....	16220	E4899.8	.....	17192	E4938	.....	17404
E4775.5	.....	20128	E4848	.....	16980	E4899.9	.....	17196	E4938.3	.....	17400
E4776	.....	20084	E4850	.....	16956	E4899.94	.....	17238	E4940	.....	17408
E4777	.....	20156	E4852	.....	16976	E4899.96	.....	17236	E4941	.....	17416
E4778	.....	16224	E4852.3	.....	16968	E4900	.....	17204	E4944	.....	17412
E4779	.....	16226	E4852.4	.....	16960	E4900.2	.....	17208	E4946	.....	17420
E4780	.....	16008	E4852.6	.....	16972	E4900.4	.....	17212	E4946.2	.....	17422
E4780.4	.....	16010	E4852.8	.....	16964	E4900.6	.....	17216	E4946.4	.....	17422.4
E4780.5	.....	16010.5	E4853	.....	16984	E4900.7	.....	17220	E4946.6	.....	17422.6
E4780.6	.....	16011	E4854	.....	16988	E4900.8	.....	17200	E4947	.....	17424
E4780.7	.....	16011.5	E4854.5	.....	16989	E4901	.....	17100	E4948	.....	17428
E4781	.....	16012	E4855	.....	16990	E4901.7	.....	17096	E4949	.....	17436
E4782.4	.....	16072	E4856	.....	16992	E4902	.....	17104	E4949.4	.....	17432
E4783	.....	16024	E4857	.....	16996	E4903	.....	17340	E4949.5	.....	17444
E4783.6	.....	16032	E4857.2	.....	16997	E4903.4	.....	17108	E4949.6	.....	17438
E4784	.....	16036	E4857.3	.....	16998	E4903.45	.....	17106	E4949.7	.....	17456
E4786	.....	16040	E4858	.....	17004	E4903.7	.....	17388	E4949.8	.....	17460
E4788	.....	16056	E4858.1	.....	17008	E4903.8	.....	17372	E4950	.....	17452
E4788.5	.....	16060	E4859	.....	17012	E4904	.....	17352	E4952	.....	17468
E4790	.....	16064	E4859.2	.....	17016	E4904.2	.....	17356	E4953	.....	17476
E4791.4	.....	16068	E4860	.....	17020	E4904.6	.....	17360	E4953.2	.....	17472
E4791.8	.....	16074	E4862	.....	17000	E4906	.....	17344	E4954	.....	17480
E4792	.....	16076	E4866	.....	17024	E4906.2	.....	17348	E4955	.....	17484
E4793	.....	16075	E4868	.....	17028	E4907	.....	17364	E4955.2	.....	17492
E4794	.....	16080	E4870	.....	17032	E4907.2	.....	17368	E4955.4	.....	17488
E4795	.....	16085	E4872	.....	17036	E4909	.....	17338	E4956	.....	17496
E4796	.....	16084	E4874	.....	17040	E4909.2	.....	17339	E4956.2	.....	17500
E4797.4	.....	16098	E4876	.....	17044	E4909.4	.....	17337	E4956.4	.....	17504
E4797.6	.....	16098.1	E4876.5	.....	17046	E4909.6	.....	17337.5	E4958	.....	17508
E4798	.....	16100	E4878	.....	17048	E4910	.....	17328	E4960	.....	17512
E4800	.....	16104	E4879	.....	17052	E4912	.....	17336	E4962	.....	17516
E4808	.....	16120	E4879.5	.....	17054	E4913	.....	17324	E4964	.....	17520
E4810	.....	16088	E4880	.....	17056	E4914	.....	17320	E4965	.....	17524
E4812	.....	16092	E4880.3	.....	17110	E4915	.....	17304	E4965.1	.....	17525
E4813	.....	16096	E4880.6	.....	17112	E4916	.....	17308	E4965.2	.....	17525.5
E4813.3	.....	16121	E4881	.....	17132	E4916.1	.....	17292.5	E4966	.....	17528
E4813.31	.....	16121.5	E4881.3	.....	17134	E4916.2	.....	17293	E4966.4	.....	17532
E4813.5	.....	16122	E4881.6	.....	17116	E4916.3	.....	17294	E4966.6	.....	17536
E4813.7	.....	16123	E4881.7	.....	17120	E4916.4	.....	17295	E4968	.....	17540
E4814	.....	16124	E4882	.....	17160	E4916.6	.....	17300	E4970	.....	17544
E4816	.....	16128	E4884	.....	17164	E4917.2	.....	17292	E4971	.....	17548
E4818	.....	16132	E4885	.....	17168	E4917.4	.....	17288	E4971.5	.....	17550
E4819	.....	16136	E4886	.....	17188	E4917.5	.....	17296	E4972	.....	17552
E4819.5	.....	16138	E4887	.....	17180	E4917.6	.....	17312	E4974	.....	17556
E4820	.....	16140	E4888	.....	17176	E4918	.....	17316	E4976	.....	17564
E4822	.....	16145	E4889	.....	17184	E4920	.....	17224	E4980	.....	17572
E4824	.....	16152	E4890	.....	17172	E4920.5	.....	17226	E4981	.....	17576

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
E4981.3		17577	E5073		17876	E5279.5		18249	E5478		18732
E4981.4		17578	E5075		17884	E5279.51		18249.1	E5478.1		18736
E4981.41		17578.1	E5076		17892	E5280		18248	E5478.2		18740
E4983		17581	E5076.1		17896	E5281		18250	E5482		18744
E4983.5		17582	E5076.3		17886	E5282		18252	E5483		18745
E4983.8		17583	E5076.35		17889	E5285		18258	E5483.2		18746
E4984		17580	E5076.4		17888	E5287		18260	E5484		18724
E4986		17584	E5076.8		17898	E5288		18268	E5484.1		18728
E4988		17588	E5077.3		17899.1	E5293		18269	E5490		18720
E4988.5		17589	E5077.5		17899	E5300		18270	E5492		18716
E4989		17592	E5077.55		17899.5	E5302		18272	E5500		18748
E4989.2		17596	E5077.7		17900	E5302.1		18273	E5501		18749
E4990		17604	E5078		17904	E5302.5		18276	E5502		18750
E4994		17608	E5082		17912	E5302.53		18285	E5504		18751
E4996		17612	E5084		17916	E5302.535		18286	E5510		18756
E4998		17616	E5086		17920	E5303.5		18278	E5510.1		18760
E5000		17624	E5088		17924	E5303.51		18279	E5510.2		18764
E5004		17628	E5089		17958	E5304.7		18280	E5516		18752
E5005		17633	E5089.4		17960	E5304.71		18281	E5520		18776
E5006		17632	E5090		17928	E5305.5		18316	E5576		18684
E5008.5		17640	E5090.1		17932	E5308		18320	E5578		18880
E5008.7		17642	E5091		17952	E5309		18324	E5586		18896
E5009.5		17646	E5092		17956	E5310		18326	E5594		18904
E5010		17648	E5100		17964	E5314		18336	E5606		18928
E5011		17652	E5102		17944	E5316		18340	E5615		18440
E5012		17656	E5102.1		17948	E5320		18344	E5616		18436
E5016		17660	E5103		17936	E5321		18345	E5616.5		18940
E5018		17664	E5103.1		17940	E5321.1		18345.1	E5617.2		18941
E5019		17668	E5106		17984	E5326		18356	E5617.5		18942
E5019.5		17672	E5107		17988	E5328		18360	E5618		18944
E5020		17684	E5108		17992	E5329		18364	E5632		18964
E5022		17688	E5110		18000	E5330		18368	E5632.5		18972
E5025		17692	E5116		18008	E5340		18384	E5633		18976
E5026		17700	E5118		18016	E5341		18380	E5634		18978
E5026.2		17704	E5118.1		18020	E5352		18404	E5636		18984
E5026.4		17708	E5124		18058	E5353		18396	E5638		19000
E5027.2		17690	E5126		18024	E5358		18408	E5638.1		19004
E5028		17728	E5126.1		18028	E5361		18412	E5639		18980
E5028.2		17720	E5128		18044	E5370		18448	E5640		18988
E5030		17732	E5128.1		18048	E5370.1		18452	E5640.1		18992
E5030.2		17733	E5130		18068	E5372		18476	E5640.2		18996
E5031		17736	E5130.1		18072	E5372.1		18480	E5642		19024
E5032		17740	E5130.2		18076	E5373		18456	E5642.1		19028
E5034		17744	E5136.1		18056	E5373.1		18460	E5642.2		19030
E5034.2		17745	E5137		18060	E5374		18492	E5642.3		19021
E5034.4		17745.5	E5137.1		18064	E5374.1		18496	E5642.4		19022
E5036		17772	E5146		18080	E5376		18552	E5642.5		19023
E5041		17788	E5146.1		18084	E5376.1		18556	E5642.8		19008
E5041.2		17792	E5149		18088	E5378		18558	E5643		19016
E5042		17796	E5149.1		18092	E5378.1		18559	E5643.5		19020
E5042.1		17800	E5152		18164	E5422		18560	E5644		19032
E5053		17808	E5152.1		18168	E5428		18936	E5645		19044
E5053.3		17812	E5156		18172	E5429		18600	E5646		19048
E5053.6		17820	E5156.1		18176	E5430		18604	E5646.2		19040
E5054		17824	E5181.9		18095	E5436		18608	E5647		19049
E5056		17828	E5182		18096	E5448		18628	E5647.2		19051
E5060		17840	E5182.1		18100	E5452		18632	E5652.6		19052
E5060.1		17844	E5242		18192	E5454		18640	E5652.62		19056
E5068		17848	E5244		18180	E5458		18648	E5653.3		19036
E5071		17860	E5246		18188	E5460		18652	E5653.7		19059
E5071.4		17864	E5247		18184	E5462		18656	E5653.75		19058
E5072		17868	E5248		18200	E5464		18660	E5653.8		19058.2
E5072.1		17872	E5255		18210	E5464.1		18664	E5654		19068
E5072.3		17885	E5272		18220	E5465		18668	E5654.44		19072
E5072.6		17878	E5278		18244	E5472		18680	E5656		19076

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
E5664.8		19090	E5780.6		19360	E5818		19580	E5847		.20580
E5665		19097	E5780.7		19365	E5818.4		19588	E5847.6		.20568
E5666		19100	E5780.8		19365.5	E5818.5		19592	E5848		.20584
E5667.4		19104	E5781		19364	E5818.6		19596	E5848.2		.20592
E5668		19108	E5781.1		19362	E5818.62		19598	E5848.4		.20588
E5670		19112	E5781.2		19362.5	E5819		19604	E5848.5		.20596
E5672		19116	E5782		19368	E5819.4		19606	E5849		.20604
E5674		19120	E5782.8		19380	E5820		19608	E5849.4		.20608
E5674.1		19124	E5782.9		19385	E5821		19624	E5849.6		.20612
E5682		19126	E5782.95		19385.5	E5822		19620	E5850		.20616
E5684		19128	E5783		19384	E5823		19612	E5852		.20620
E5685		19130	E5784		19388	E5823.1		19616	E5854		.20624
E5686		19132	E5785		19392	E5826		19632	E5854.4		.20628
E5687.9		19152	E5785.6		19400	E5827		19640	E5854.8		.20630
E5688		19136	E5786		19408	E5827.2		19644	E5855		.20632
E5688.1		19156	E5787		19404	E5827.4		19648	E5855.4		.20636
E5688.2		19160	E5787.5		19412	E5828		19652	E5856		.20644
E5689		19140	E5787.8		19416	E5828.2		19656	E5857		.20640
E5690		19148	E5788		19420	E5829		19658.5	E5858		.20648
E5698		19164	E5789		19424	E5829.3		19658	E5859		.20652
E5700		19168	E5789.4		19440	E5829.5		19660	E5860		.20656
E5706		19172	E5790		19428	E5830		19664	E5861		.20660
E5708		19176	E5791		19432	E5830.2		19672	E5862		.20664
E5708.1		19180	E5792		19436	E5830.4		19668	E5866		.20668
E5718		19192	E5793		19444	E5830.7		19666	E5866.5		.20669
E5721		19200	E5793.5		19446	E5831		19676	E5866.51		.20669.1
E5724		19204	E5794		19448	E5831.4		19677	E5867		.20670
E5724.5		19206	E5794.5		19450	E5831.42		19678	E5868		.20672
E5725		19209	E5795		19452	E5832		19680	E5871		.20676
E5726		19212	E5796		19456	E5832.4		19684	E5871.3		.20680
E5727		19214	E5796.2		19457	E5833		19688	E5871.32		.20684
E5727.1		19214.1	E5796.4		19457.5	E5834		19692	E5871.4		.20688
E5728		19216	E5797		19458	E5836		20496	E5871.42		.20692
E5728.1		19220	E5797.1		19458.5	E5838		20500	E5871.5		.20696
E5734		19228	E5798		19460	E5838.2		20524	E5872		.20708
E5736		19232	E5799		19464	E5838.3		20526	E5872.2		.20712
E5742		19236	E5800		19468	E5838.35		20526.5	E5872.4		.20716
E5744		19252	E5800.5		19470	E5838.4		20504	E5873		.20720
E5746		19256	E5801		19472	E5838.5		20506	E5873.2		.20724
E5749		19280	E5802		19480	E5838.6		20508	E5873.3		.20728
E5749.1		19284	E5802.2		19484	E5838.65		20509	E5873.6		.20744
E5760		19288	E5802.3		19485	E5838.67		20509.1	E5873.7		.20748
E5761		19304	E5803		19476	E5838.68		20509.2	E5873.8		.20752
E5762		19277	E5803.4		19488	E5838.7		20510	E5874		.20756
E5762.1		19277.1	E5805		19492	E5839		20516	E5874.4		.20760
E5762.2		19296	E5806		19496	E5839.4		20512	E5874.5		.20764
E5763		19300	E5806.5		19500	E5839.45		20520	E5874.6		.20766
E5763.44		19312	E5806.6		19504	E5839.5		20532	E5875		.20768
E5763.6		19313	E5807		19508	E5840		20552	E5875.2		.20772
E5764		19314	E5808		19512	E5840.4		20556	E5875.5		.20776
E5765		19320	E5808.4		19520	E5841		20536	E5876		.20856
E5768		19324	E5808.5		19516	E5842		20540	E5876.2		.20860
E5770		19336	E5809		19528	E5843		20544	E5876.3		.20864
E5772		19328	E5810		19532	E5843.5		20538	E5876.4		.20852
E5772.1		19332	E5811		19536	E5843.7		20550	E5876.6		.20868
E5773		19334	E5812		19544	E5843.8		20551	E5876.8		.20872
E5773.1		19334.1	E5813		19548	E5844.2		20528	E5877		.20888
E5773.6		19335	E5814		19552	E5844.21		20558	E5877.4		.20884
E5773.61		19335.1	E5816		19556	E5844.4		20560	E5878		.20892
E5774		19338	E5816.5		19560	E5844.6		20564	E5878.1		.20896
E5776		19340	E5816.55		19564	E5844.8		20565	E5880		.20876
E5779		19344	E5816.6		19568	E5844.9		20563	E5880.2		.20880
E5779.1		19348	E5816.7		19572	E5845		20572	E5880.7		.20882
E5780		19352	E5817		19576	E5846		20576	E5881		.20900
E5780.5		19357	E5817.5		19584	E5846.5		20581	E5881.1		.20901

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
E5881.2		20901.5	E5924.3		21045.5	E6156		21308	E6252.4		.21510
E5882		20904	E5926		21048	E6158		21312	E6252.6		.21511
E5882.5		20908	E5927		21052	E6158.5		21316	E6252.7		.21511.5
E5882.6		20912	E5927.4		21056	E6159		21317	E6253		.21512
E5883		20924	E5927.6		21060	E6159.3		21318	E6253.2		.21516
E5883.6		20928	E5929		21064	E6159.4		21318.5	E6253.3		.21517
E5884		20916	E5929.2		21068	E6159.6		21319	E6253.4		.21518
E5884.4		20920	E5929.4		21072	E6162		21320	E6253.5		.21519
E5888		20940	E5929.6		21076	E6166		21324	E6253.6		.21520
E5890		20965	E5929.8		21080	E6167		21325	E6253.7		.21521
E5892		20944	E5930		21084	E6167.1		21325.1	E6254.5		.21524
E5893		20948	E5931.2		21088	E6168		21328	E6254.6		.21526
E5894		20952	E5932		21092	E6170		21336	E6254.7		.21528
E5895		20956	E5933		21094	E6171		21332	E6255.4		.21534
E5896		20960	E5933.1		21096	E6171.4		21340	E6255.45		.21536
E5900		20968	E5933.3		21104	E6173		21344	E6255.5		.21540
E5901		20970	E5934		21116	E6173.5		21412.5	E6255.51		.21544
E5901.6		20971	E5935		21120	E6174		21370	E6255.6		.21545
E5902		20972	E5935.5		21121	E6176		21356	E6255.7		.21546
E5902.4		20973.5	E5935.8		21122	E6176.1		21360	E6256		.21564
E5902.6		20973	E5935.9		21122.2	E6176.3		21372	E6256.2		.21562
E5904		20976	E5935.95		21122.4	E6176.5		21376	E6256.4		.21556
E5906		20980	E5938		21132	E6179		21416	E6256.41		.21560
E5907		20984	E5938.1		21128	E6180		21380	E6256.9		.21572
E5907.5		20985	E5940		21140	E6182		21384	E6257		.21568
E5908		20836	E5941		21152	E6183		21388	E6257.1		.21576
E5908.5		20844	E5941.8		21188	E6183.3		21390	E6258		.21580
E5908.51		20848	E5942		21192	E6186.5		21400	E6258.1		.21584
E5908.6		20850	E5943		21200	E6189		21408	E6259		.21588
E5910		20780, 20986	E5943.2		21196	E6190		21412	E6259.1		.21592
E5912		20788	E5944		21204	E6191		21413	E6259.2		.21590
E5912.02		20792	E5944.2		21208	E6191.1		21413.5	E6260		.21596
E5912.04		20796	E5945		21212	E6191.2		21413.7	E6263		.21604
E5912.06		20800	E5946		21216	E6191.3		21414	E6263.1		.21608
E5912.5		20804	E5947		21220	E6193		21418	E6264		.21598
E5912.6		20805	E5952		21228	E6194		21420	E6264.4		.21600
E5913		20808	E5953		21232	E6198		21422	E6264.5		.21602
E5913.02		20812	E5954		21234	E6198.1		21422.1	E6266		.21612
E5914		20813	E5954.5		21234.2	E6204		21424	E6266.3		.21613
E5914.4		20813.5	E5954.6		21234.4	E6206		21428	E6266.4		.21614
E5914.65		20813.7	E5956		21236	E6210		21432	E6266.5		.21615
E5914.67		20813.9	E5957		21238	E6214		21436	E6266.51		.21615.1
E5914.7		20814	E5958.4		21240	E6220		21452	E6266.6		.21615.2
E5915		20820	E5959		21244	E6221		21440	E6266.7		.21615.3
E5915.02		20824.5	E5959.2		21248	E6224		21444	E6266.8		.21615.4
E5915.22		20824	E5959.4		21252	E6224.1		21448	E6267		.21615.5
E5915.4		20825	E5962.4		21257	E6226		21450	E6267.2		.21616
E5915.5		20826	E5962.5		21258	E6226.2		21450.1	E6267.6		.21621
E5916		20816	E5963		21256	E6226.4		21450.2	E6267.7		.21621.5
E5917		20832	E5964		21259	E6227		21451	E6268		.21624
E5919		20988	E5967		21260	E6228		21456	E6274		.21628
E5919.4		20992	E5968		21264	E6230		21464	E6275		.21628.5
E5920		20996	E5969		21268	E6234		21468	E6276		.21628.6
E5921.4		21006	E5969.5		21269	E6236		21472	E6277		.21629.5
E5921.5		21005	E5970		21272	E6238		21476	E6277.1		.21629.51
E5921.51		21005.1	E5973		21274	E6239		21480	E6278		.21630
E5921.6		21004	E5978.2		21276	E6242		21484	E6278.1		.21630.1
E5922		21012	E5978.6		21292.5	E6244		21488	E6278.4		.21631
E5922.2		21016	E5979		21292	E6246		21492	E6278.5		.21631.5
E5923		21020	E5980		21284	E6248		21496	E6278.6		.21631.1
E5923.2		21024	E5980.1		21288	E6250		21500	E6280		.21632
E5923.5		21032	E5983		21293	E6251.5		21504	E6284		.21636
E5923.8		21040	E5983.2		21294	E6251.8		21508	E6288		.21640
E5924		21044	E5985		21300	E6252		21509	E6290		.21644
E5924.2		21045	E5985.2		21304	E6252.2		21509.1	E6292		.21648

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
E6294	.....	21652	E6373.8	.....	21922	E6456	.....	22132	E6611	.....	22400
E6296	.....	21656	E6374	.....	21932	E6458	.....	22136	E6612	.....	22412
E6296.1	.....	21660	E6376	.....	21933	E6459	.....	22138	E6613	.....	22408
E6296.4	.....	21664	E6377	.....	21936	E6459.1	.....	22139	E6616	.....	22416
E6296.5	.....	21668	E6377.2	.....	21935	E6459.2	.....	22140	E6617	.....	22420
E6296.6	.....	21672	E6380	.....	21920	E6460	.....	22148	E6620	.....	22376
E6299	.....	21676	E6381	.....	21940	E6462	.....	22152	E6621	.....	22424
E6299.5	.....	21680	E6381.5	.....	21944	E6462.4	.....	22156	E6624	.....	22432
E6304	.....	21692	E6382	.....	21956	E6463	.....	22158	E6624.6	.....	22434
E6305	.....	21696	E6384	.....	21952	E6464	.....	22144	E6628	.....	22440
E6306	.....	21684	E6385	.....	21960	E6465	.....	22145	E6629	.....	22438
E6306.1	.....	21688	E6385.5	.....	21964	E6465.2	.....	22146	E6630	.....	22444
E6316	.....	21708	E6385.7	.....	21948	E6482	.....	22164	E6631	.....	22448
E6318	.....	21712	E6386	.....	21976.5	E6483	.....	22166	E6632	.....	22452
E6322	.....	21716	E6386.1	.....	21976.51	E6484	.....	22168	E6636	.....	22468
E6323	.....	21720	E6387	.....	21972	E6486	.....	22176	E6637	.....	22484
E6324	.....	21722	E6387.3	.....	21976	E6490	.....	22180	E6638	.....	22472
E6325	.....	21724	E6388	.....	21976.3	E6492.4	.....	22184	E6640	.....	22476
E6326	.....	21728	E6388.2	.....	21976.4	E6495	.....	22192	E6642	.....	22480
E6327	.....	21738	E6389.5	.....	21976.6	E6495.2	.....	22188	E6644	.....	22486
E6328	.....	21740	E6389.6	.....	21976.7	E6496	.....	22196	E6646	.....	22488
E6328.2	.....	21741	E6390	.....	21980	E6504	.....	22204	E6648	.....	22500
E6330.2	.....	21760	E6390.4	.....	21977	E6506	.....	22208	E6649	.....	22504
E6332	.....	21764	E6390.42	.....	21978	E6508	.....	22212	E6650	.....	22496
E6334	.....	21776	E6390.6	.....	21979	E6510	.....	22216	E6651	.....	22492
E6338	.....	21780	E6391	.....	21982	E6512	.....	22220	E6652	.....	22508
E6339	.....	21772	E6392	.....	21984	E6514	.....	22224	E6656	.....	22512
E6342.4	.....	21804	E6392.3	.....	21985	E6516	.....	22228	E6656.5	.....	22516
E6344	.....	21784	E6392.4	.....	21985.1	E6518	.....	22232	E6658	.....	22520
E6345	.....	21806	E6394	.....	21988	E6520	.....	22252	E6660	.....	22524
E6348	.....	21820	E6394.2	.....	21989	E6520.2	.....	22256	E6661	.....	22536
E6349	.....	21821	E6394.4	.....	21989.1	E6522	.....	22240	E6662	.....	22532
E6350	.....	21822	E6394.5	.....	21990	E6523	.....	22248	E6664	.....	22528
E6352	.....	21812	E6394.6	.....	21991	E6524	.....	22244	E6665.3	.....	22576
E6352.4	.....	21816	E6396	.....	21996	E6530	.....	22264	E6665.4	.....	22572
E6353	.....	21826	E6396.5	.....	22008	E6533	.....	22268	E6665.5	.....	22577
E6353.1	.....	21827	E6397	.....	22002	E6534	.....	22272	E6665.6	.....	22578
E6354	.....	21828	E6397.5	.....	22000	E6538	.....	22276	E6669	.....	22548
E6356	.....	21832	E6399	.....	22004	E6540	.....	22280	E6670	.....	22552
E6358	.....	21834	E6400	.....	22034	E6542	.....	22284	E6671	.....	22560
E6359	.....	21836	E6406	.....	22020	E6544	.....	22288	E6671.2	.....	22556
E6361.5	.....	21858	E6407	.....	22028	E6550	.....	22292	E6672	.....	22540
E6362	.....	21848	E6410	.....	22032	E6551	.....	22296	E6674	.....	22580
E6362.5	.....	21845	E6412	.....	22040	E6552	.....	22300	E6678	.....	22584
E6362.6	.....	21846	E6413	.....	22044	E6558	.....	22308	E6679	.....	22588
E6362.7	.....	21847	E6413.2	.....	22048	E6560	.....	22312	E6679.4	.....	22600
E6364	.....	21897	E6414	.....	22056	E6562	.....	22316	E6680	.....	22592
E6364.2	.....	21897.2	E6415	.....	22060	E6566	.....	22324	E6682	.....	22596
E6366	.....	21888	E6415.2	.....	22062	E6567	.....	22320	E6684	.....	22604
E6366.4	.....	21872	E6416	.....	22064	E6572	.....	22328	E6684.2	.....	22608
E6366.6	.....	21852	E6420	.....	22068	E6573	.....	22332	E6685	.....	22610
E6368	.....	21900	E6422	.....	22076	E6578	.....	22336	E6685.2	.....	22612
E6369	.....	21898	E6423	.....	22078	E6580	.....	22340	E6687	.....	22616
E6369.2	.....	21899	E6423.4	.....	22078.5	E6582	.....	22344	E6694	.....	22624
E6370	.....	21904	E6426	.....	22080	E6584	.....	22348	E6694.2	.....	22620
E6371	.....	21908	E6428	.....	22084	E6588	.....	22352	E6695	.....	22628
E6371.2	.....	21912	E6432	.....	22088	E6590	.....	22356	E6695.2	.....	22632
E6371.4	.....	21913	E6434	.....	22092	E6592	.....	22360	E6696	.....	22636
E6372	.....	21916	E6436	.....	22096	E6593.4	.....	22364	E6696.2	.....	22640
E6372.6	.....	21917	E6438	.....	22100	E6594	.....	22368	E6700	.....	22644
E6372.8	.....	21919	E6440	.....	22104	E6596	.....	22372	E6704	.....	22648
E6373	.....	21925	E6444	.....	22108	E6602	.....	22380	E6704.1	.....	22652
E6373.2	.....	21926	E6445	.....	22124	E6604	.....	22384	E6704.4	.....	22656
E6373.22	.....	21924	E6446	.....	22120	E6606	.....	22388	E6704.42	.....	22660
E6373.6	.....	21921	E6454	.....	22106	E6610	.....	22404	E6704.5	.....	22664

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
E6706.4	.....	22668	E6757.2	.....	22721	E6784.6	.....	22800	E7120	.....	10190
E6708	.....	22672	E6757.25	.....	22722	E6784.61	.....	22804	E7470	.....	11260
E6712	.....	22676	E6757.6	.....	22744	E6785	.....	22812	E7471	.....	11256
E6714	.....	22684	E6758	.....	22736	E6785.2	.....	22808	E7520	.....	11368
E6716	.....	22688	E6762	.....	22740	E6786	.....	22788	E7522	.....	11374
E6717	.....	22692	E6764	.....	22748	E6788	.....	22816	E7580	.....	12054
E6718	.....	22696	E6765	.....	22754	E6789	.....	22820	E7581	.....	12054.5
E6720	.....	22700	E6768	.....	22752	E6789.5	.....	22822	E7582	.....	12054.6
E6722	.....	22708	E6772	.....	22756	E6820	.....	22828	E7583	.....	12054.2
E6722.2	.....	22712	E6774	.....	22760	E6824	.....	22832	E7584	.....	12055
E6726	.....	22716	E6776	.....	22768	E6825	.....	22836	E7640.5	.....	17266
E6732	.....	22704	E6778	.....	22772	E6830	.....	22838	E7641	.....	17274
E6752	.....	22732	E6780	.....	22776	E7010	.....	7536	E7642	.....	17274.5
E6754	.....	22724	E6784	.....	22784	E7010.5	.....	7538	E7700	.....	21273
E6756	.....	22728	E6784.4	.....	22792	E7053	.....	9184	E7860	.....	21700
E6757	.....	22720	E6784.41	.....	22796	E7054	.....	9188			