



PUB. 116
LIST OF LIGHTS

RADIO AIDS AND FOG SIGNALS

2016

BALTIC SEA WITH KATTEGAT, BELTS
AND SOUND AND GULF OF BOTHNIA

IMPORTANT

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

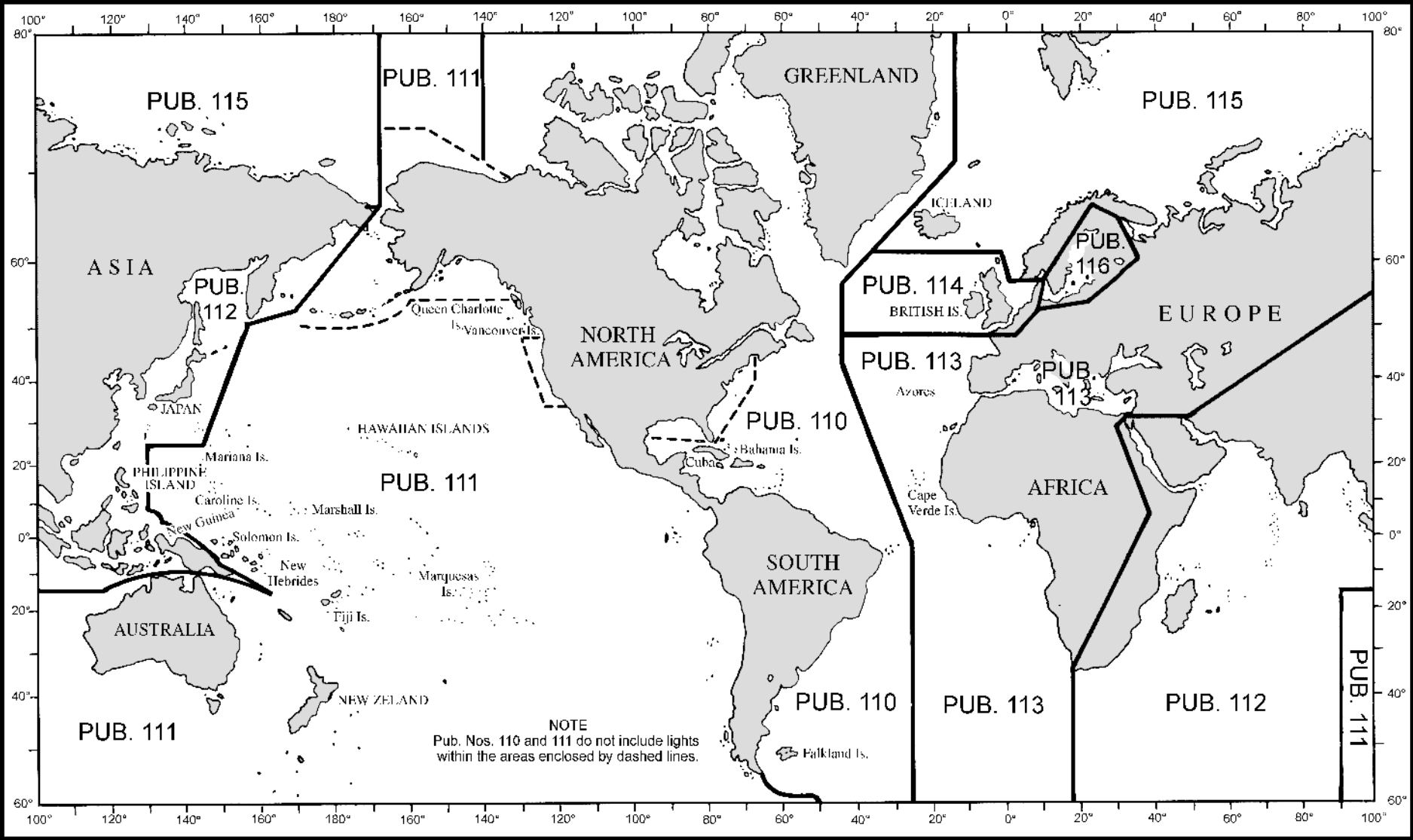


Prepared and published by the
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY
Springfield, VA

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LIST OF LIGHTS LIMITS

NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY



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 2016 edition of Pub. 116, List of Lights, Radio Aids and Fog Signals for Baltic Sea with Kattegat, Belts and Sound and Gulf of Bothnia, cancels the previous edition of Pub. 116.

This edition contains information available to the National Geospatial-Intelligence Agency (NGA) up to 6 August 2016, including Notice to Mariners No. 32 of 2016.

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 2016				YEAR 2017			
1.....	14.....	27.....	40.....	1.....	14.....	27.....	40.....
2.....	15.....	28.....	41.....	2.....	15.....	28.....	41.....
3.....	16.....	29.....	42.....	3.....	16.....	29.....	42.....
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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 chartlet 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:

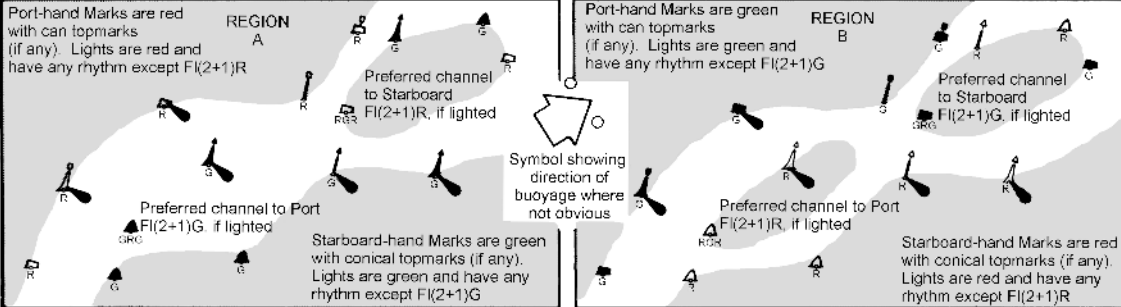
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Buoys and Beacons IALA* Buoyage System

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.

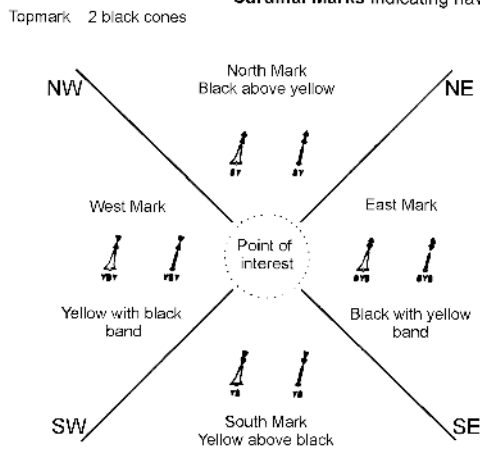
Lateral Marks (used in conjunction with a conventional direction of buoyage) are generally for well-defined channels. There are two international Buoyage Regions-A and B-where Lateral marks differ.



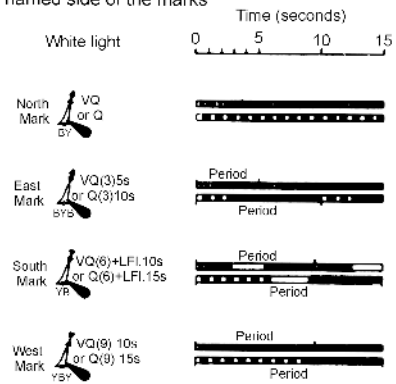
A preferred channel buoy may also be a pillar or a spar. All preferred channel marks have three horizontal bands of color.

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

UNLIGHTED MARKS



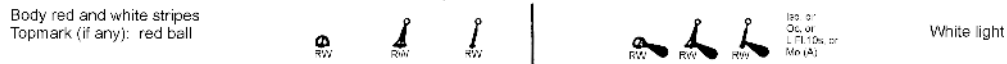
LIGHTED MARKS



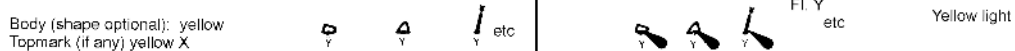
Isolated Danger Marks, stationed over dangers with navigable water around them.


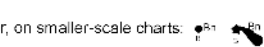


Safe Water Marks, such as mid-channel and landfall marks.



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 SAFETY WEBSITE

The National Geospatial-Intelligence Agency (NGA) Maritime Safety 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 Notice to Mariners, Publications, Broadcast Warnings, Office of Naval Intelligence (ONI) Reports, Anti-Shipping Activity Messages (ASAMs), Arctic Maritime Safety Information (AMSI) Reports, Mobile Offshore Drilling Units (MODUs), Product Catalog and Miscellaneous Products. 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, Radar Navigation and Maneuvering Board Manual.

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

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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


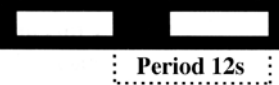
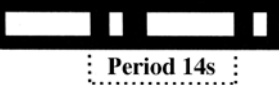







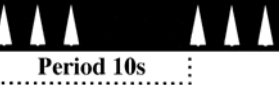


Where the lights of different countries intermingle in the list they are distinguished by the following letters:











(D.)	Denmark	(P.)	Poland
(F.)	Finland	(R.)	Russia
(G.)	Germany	(S.)	Sweden

Other abbreviations:

Al.—alternating	lt.—lit
bl.—blast	Mo.—Morse code
Bu.—blue	min.—minute
Dir.—directional	obsc.—obscured
ec.—eclipsed	Oc.—occluding
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.

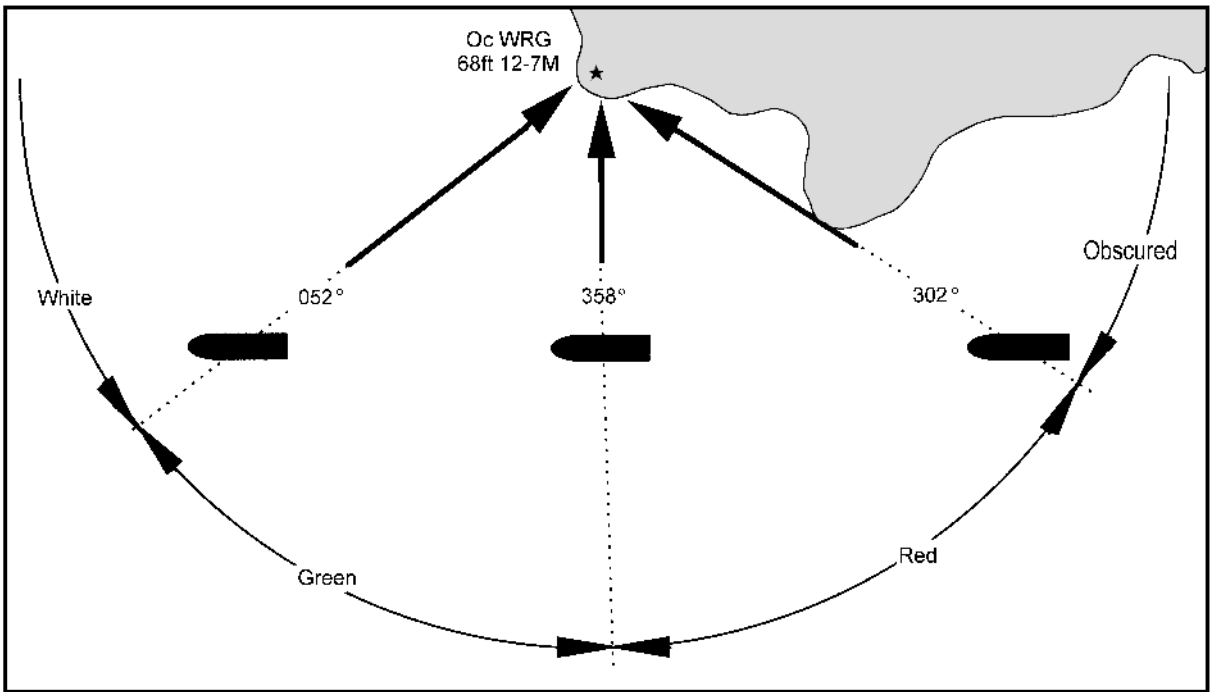
Aeromarine lights—marine-type lights for which part of the beam is deflected to an angle of 10 to 15 degrees above the horizon to facilitate use by aircraft.

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."

In the Baltic Sea, when lights with sectors of differing colors are encountered, the fairway is usually covered by a white sector to a vessel approaching the light, a green sector to starboard and a red sector to port. The white navigational sector may be very narrow and special care should be taken to keep on its center line.

In winter, most of the lighthouses and their surroundings are covered with snow and are difficult to distinguish. Due to frequent "snow bursts" one light may be showing at its full brilliancy while another in the same vicinity may be completely obscured even though the visibility may appear to be exceptional; for the same reason a light showing at full brilliancy may suddenly become obscured.

Russian lights are shown throughout the winter when icebreakers are working.

The latest *Russian* charts and publications give only sufficient details for navigation to the ports open to international trade. Thus, in this volume, only those lights along the routes to such ports can be assumed to be correct. Elsewhere, the latest available information, often not recent, is listed.

Radio navigational aids and certain lights on the Russian Arctic coast and adjacent islands north of the Arctic Circle, from Novaya Zemlya east to the Bering Strait, have been omitted due to the lack of reliable information.

Russian lightships are on their station during periods of navigation. They leave their stations only when forced to do so because of ice and are then replaced as soon as pos-

sible. 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 lightships discontinue their characteristic lights and fog signals and if possible 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 white flare-up light or flash simultaneously at least every 15 minutes.

Red flags may be displayed in place of the black balls and red and white lights 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 underway, and if proceeding under its own power, hoists two black balls, one forward and one aft.

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

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

At lighthouses: In groups of double strokes, the interval between the groups being not more than 3 minutes.

On board 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 interval between the double or triple strokes in the groups is reduced and the bell is sounded continuously in double or triple strokes until the vessel is past the light or clear of danger.

Swedish lights are exhibited 15 minutes after sunset and extinguished at sunrise. Unless otherwise stated, they are shown throughout the year except when navigation in their vicinity is blocked by ice. Many of the smaller lights in Sweden are private lights, which are not constantly maintained.

Swedish lightships only leave their stations when forced to because of ice and are then replaced as soon as circumstances allow. Should a vessel be observed standing into danger, guns may be fired. Reserve lightships are painted red with "RESERV" in white on both sides.

Swedish lightships, when out of position, discontinue their characteristic lights and fog signals and, if possible, will lower their daymarks. The following signals are

shown:

By day—(a) Two black balls, one forward and one aft. Red flags may be substituted for the balls.

(b) The International Code Signal “LO”.

By night—(a) Two red lights, one forward and one aft.

(b) Two flare-ups (one white and one red) or flashes shown simultaneously every 15 minutes. A red and white light may be used in place of the flare-ups.

A lightship underway shows the same lights and makes the same sound as other vessels underway.

All principal *Finnish* lights are exhibited from sunset to sunrise and are shown when navigation is open. Lights southward of 62° N. are extinguished from June 15th to July 1st; lights northward of 62° N. are extinguished from May 25th to July 20th.

Finnish lightships carry a riding light on the forestay. When not on their proper stations, the regular lights will be extinguished, no fog signals sounded, the daymarks removed if possible, and the following signals shown:

By day—(a) Two black balls, one forward and one aft.

(b) The International Code Signal “LO”.

By night—Two red lights, one forward and one aft; also one red and white light will be shown simultaneously over the gunwale at least every 15 minutes.

Lightships are kept on their stations as long as ice conditions permit and, if forced to leave, return as soon as circumstances allow. If the mechanical fog signal is disabled, a bell will be rung.

When a pilot is stationed on board and is available, the International Code Flag “H” will be flown by day and a blue flare exhibited at night. If the pilot is absent or unable to leave the vessel, the International Code Flag “H” will be hoisted and lowered immediately. Explanation will be given by International Code Signal, or at night by Morse code. A lightship under way shows the same lights and makes the same sound signals as other vessels under way and, if proceeding under its own power, will hoist two black balls, one forward and one aft.

German lightships may be driven from their stations by ice, but are replaced as soon as circumstances allow. When out of position by day they hoist the International Code Signal “LO”, two red flags, one forward and one aft, and the distinguishing masthead mark is lowered. By night two red lights are shown, one forward and one aft. In addition, at intervals of less than 15 minutes, one white and one red light are displayed horizontally 9 feet apart from the deck for a period of one minute. In fog, only the bell fog signals prescribed in the navigation regulations are sounded. If a vessel is seen standing into danger a gun will be fired (groups of 2 reports at intervals of 3 minutes), the bell will be rung and signals made in accordance with the International Code of Signals.

Danish lights are exhibited 15 minutes after sunset and extinguished 15 minutes before sunrise.

Danish lightships carry a riding light on the forestay.

Lightships, when out of position either because they have drifted or are on passage to their station or harbor, discontinue their characteristic lights and fog signals. If they have drifted out of position they will show:

By day—two black balls, one forward and one aft, and hoist the International Code Signal “LO”.

By night—two red lights will be shown, one forward and one aft; also one red and one white light will be shown simultaneously over the gunwale at least every 15 minutes.

A lightship under way shows the same lights, and makes the same sound signals as other vessels under way, and if proceeding under its own power, hoists two black balls, one forward and one aft. They are kept on their stations as long as ice permits and, when forced to leave, return as soon as circumstances allow.

Fog signals are sounded when visibility is 3 miles or less. Should the mechanical fog signal be disabled, a hand horn is used. Should a vessel be observed to be running into danger, the Morse letter “U” will be made by siren or flashing light, the International Code flag “U” hoisted. When pilots are available, a flag is displayed at the masthead of the lightship, upper half white, lower half red. By night, pilot signals are answered by burning a flare.

WRECKING-MARKING VESSELS

A vessel marking a wreck in *Danish* or *Swedish* waters can be either a lightship or some other vessel fitted as such, but the hull is usually of some color other than red and will be distinguished as follows:

By day—Three green balls displayed from a yard; one ball on the yardarm nearest the wreck, and two balls vertically disposed on the other yardarm.

By night—A bell is sounded for about 10 seconds at intervals of not more than two minutes.

During fog—A bell is sounded for about 10 seconds at intervals of not more than 2 minutes.

When the vessel is anchored in a direction between north and east from the wreck, a bell sounds a series of double strokes.

When a vessel is anchored in a direction between south and west from the wreck, a bell sounds a series of single strokes.

Wreck-marking lighted buoys, which are painted green, exhibit a green group flashing light, giving two flashes when moored in a direction between N and E of the wreck, and a green flashing light when moored in a direction S and W of the wreck.

Wreck-marking spar buoys, which are painted green, have two green flags when moored in a direction between N and E of the wreck, and one green flag when moored in the direction S and W of the wreck; reflectors, when fitted, are green.

Wreck mark are always placed in the northeast or southwest quadrants from the wreck and between the latter and

the main traffic route. In open water they are placed as nearly as possible northeastward or southwestward from the wreck; the narrow channels they are placed as nearly as possible on a line from the wreck at right angles to the direction of the channel, so that it may be necessary to place the marking on one side or the other of appropriate quadrant.

In *Danish* waters, a wreck, or other obstruction which shows above water, may be marked by a quick flashing light displayed on the wreck or obstruction itself. This light will be white when an inbound vessel is to keep the wreck to her starboard hand, and red when she is to keep it on her port hand.

When another vessel is considered to be approaching too closely, one or more warning shots will be fired if possible from the wreck-marking vessel.

A vessel marking a wreck in *German* waters shall be painted green and may be marked "WRACK" or "W" in white. Temporary wreckmarking vessels may be painted some color other than green, but shall display a green board with the word "WRACK" in white letters on each side.

The following lights and shapes are displayed:

To be passed on the mariner's starboard hand:

By day—A green cone point up above two green balls, arranged vertically.

By night—Three fixed green lights arranged vertically.

Fog signal—Three strokes in succession on a bell, at intervals of not more than 30 seconds, or the rapid ringing of a bell for 5 seconds followed by 5 single strokes.

To be passed on the mariner's port hand:

By day—A green cylinder above a green ball, disposed vertically.

By night—Two fixed green lights, disposed vertically.

Fog signal—Two strokes in succession on a bell, at intervals of not more than 30 seconds, or the rapid ringing of a bell for 5 seconds followed by 5 double strokes.

To be passed on either hand:

By day—Two green balls, disposed vertically, at either end of a crossyard.

By night—Two fixed green lights, disposed vertically, at either end of a crossyard.

Fog signal—Four strokes in succession on a bell, at intervals of not more than 30 seconds, or the rapid ringing of a bell for 5 seconds followed by 2 groups of 4 single strokes.

Note—The ordinary riding light for a vessel at anchor is not exhibited.

If a vessel is seen to be running into danger, a gun will be fired (groups of 2 reports at intervals of 3 minutes), the bell will be rung and signals made in accordance with the International Code of Signals.

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 obstructions;

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 accuracy

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 11/4 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.

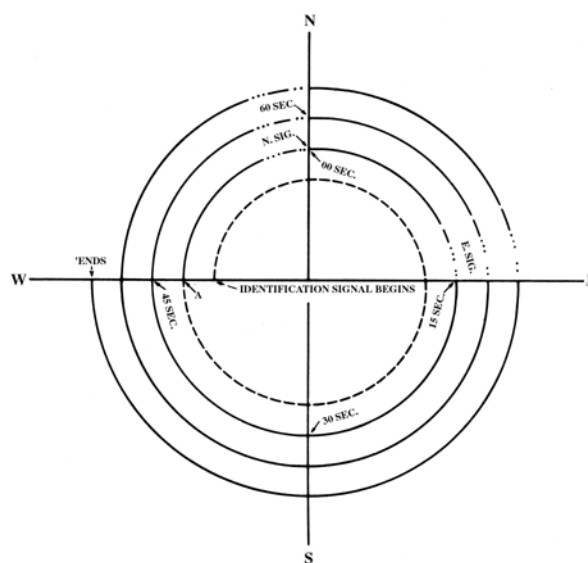
(A correction must, of course, be made for convergency; this should be applied as if the beacon were a shore radio direction-finder station.)

(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 Sweden

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-WEST COAST							
4 C 0277	Kattholmen.	59° 03.6' N 11° 09.4' E	Fl.W.R.G. period 3s	31 9	W. 6 R. 5 G. 4	Tower.	G. 177°54'-204°42', W.-224°42', R.-297°18', G.-022°48', W.-026°18', R.-054°42', G.-082°18'.
8 C 0279	Tjurholmsknappen.	58° 59.0' N 11° 06.0' E	Fl.(2)W.R.G. period 6s	46 14	W. 7 R. 5 G. 4	White tower; 13.	G. 194°-236°, W.-323°, R.-356°, G.-022°30', W.-028°, R.-066°, G.-074°, W.-107°, R.-117°.
12 C 0280	Klovningarna Range, front.	58° 55.9' N 10° 59.4' E	Iso.W.R.G. period 4s	36 11	W. 11 R. 8 G. 7	White tower; 20.	G. 327°-051°, W.-059°, R.-132°, G.-140°30', W.-145°, R.-216°, G.-242°, W.-255°30', R.-327°.
	RACON		K(- • -)		12		(3 & 10cm).
16 C 0280.01	-Rear, Nord Hallso, 6.4 kilometers 053° from front.	58° 58.0' N 11° 04.8' E	Q.W.R.G.	125 38	W. 10 W. 9 R. 6 G. 5	White shed.	W. 049°-057°, G. 090°-115°, W.-122°, R.-137°30', W. (unintensified)-203°.
20 C 0281	Sodra Langon Range, front.	58° 56.0' N 11° 08.0' E	Iso.W.R.G. period 4s	16 5	W. 7 W. 5 R. 3 G. 2	White shed, lantern.	W. 145°-220°, G.-315°, W.-321°, R.-340°. Intensified on range line.
24 C 0281.01	-Rear, 500 meters 161°30' from front.	58° 56.1' N 11° 07.9' E	Q.W.R.	49 15	W. 7 W. 4 R. 3	White shed, lantern.	W. 162°-180°, R.-200°, W.-250°. Intensified on range line.
28 C 0282	Stromstad (Killingsholmen), E. side of island.	58° 56.0' N 11° 09.0' E	Fl.W.R.G. period 3s	23 7	W. 6 R. 4 G. 3	White lantern.	G. (unintensified)-233°, W. (unintensified)-242°, R. (unintensified)-251°, G. (unintensified)-262°, W. (unintensified)-272°, R. (unintensified)-353°, W. (unintensified)-040°30', G.-052°30', W.-053°48', R.078°.
32 C 0283	Kristhallan.	58° 56.0' N 11° 07.7' E	Fl.(3)W.R.G. period 9s	26 8	W. 9 R. 6 G. 5	White shed, lantern.	G. 285°-303°, W.-333°, R.-033°, G.-096°, W.-100°, R.-107°.
36 C 0284	Halsorholmen.	58° 56.0' N 11° 08.0' E	Fl.W. period 3s	25 8		2 Cairn, white lantern.	
40 C 0285	Likholmen.	58° 55.4' N 11° 06.6' E	Q.W.R.G.	27 8	W. 6 R. 4 G. 3	White lantern.	G. 196°12'-243°30', W.-249°18', R.-324°54', G.-033°18', W.-036°24', R.-056°42', G.-068°36', W.-075°12', R.-196°12'.
44 C 0287	Kabblingarna, on S. islet.	58° 54.8' N 11° 05.7' E	L.Fl.W.R.G. period 9s fl. 2s, ec. 7s	16 5	W. 6 R. 4 G. 3	White shed, red roof.	R. 185°30'-201°, G.-036°, W.-062°, R.-075°30'.
48 C 0290	Ekenas Range, front.	58° 53.8' N 11° 02.7' E	F.G.	49 15		6 Post, white triangular daymark point up.	Fishing light.
52 C 0291.1	-Rear, 165 meters 240° from front.	58° 53.7' N 11° 02.5' E	F.G.	85 26		6 Post, white triangular daymark point down.	Fishing light.
56 C 0289	Ekenas Range, front.	58° 53.7' N 11° 02.9' E	F.R.	12 4		3 Column.	Fishing light.
60 C 0289.01	-Rear, about 165 meters 176° from front.	58° 53.6' N 11° 02.9' E	F.R.	15 5		3 Column.	Fishing light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-WEST COAST							
64 C 0291	Sneholm, E. side of Stora Sneholm.	58° 53.5' N 11° 03.8' E	Fl.W.R.G. period 3s	39 12	W. 7 R. 5 G. 4	White concrete tower, black band; 36.	G. 122°54'-167°, W.-182°12', R.-191°06', G.-248°, W.-250°36', R.-292°12', G.-334°36', W.-336°48', R.-346°24', G.-032°24'.
68 C 0298	Kostersundet Sodra Range, front.	58° 53.2' N 10° 59.9' E	F.R.	41 12	6	Post.	Fishing light.
72 C 0298.01	-Rear, about 95 meters 015° from front.	58° 53.2' N 11° 00.0' E	F.R.	61 18	6	Post.	Fishing light.
76 C 0293	Vattenholmen.	58° 52.5' N 11° 06.4' E	Fl.(2)W.R.G. period 6s	33 10	W. 8 R. 6 G. 5	White lantern, red roof.	G. 337°24'-007°, W.-013°, R.-018°30', G. 038°12'-101°, W.-114°12', R.-148°30'.
84 C 0300	Lilla Brattskar.	58° 51.9' N 11° 04.1' E	Fl.W.R.G. period 3s	31 9	W. 5 R. 3 G. 3	Post, lantern; 7.	G. 000°-028°30', W.-036°30', R.-152°, G.-211°, W.-230°, R.-250°.
88 C 0301	Rundegra.	58° 51.1' N 11° 02.9' E	Fl.W.R.G. period 2s fl. 0.4s, ec. 1.6s	26 8	W. 5 R. 3 G. 2	White shed, lantern.	G. 197°-225°, W.-240°, R.-288°, G.-015°, W.-020°, R.-037°. Fishing light.
92 C 0302	Skareskar.	58° 50.3' N 11° 02.6' E	Fl.(4)W.R.G. period 12s fl. 0.7s, ec. 1s fl. 0.7s, ec. 1s fl. 0.7s, ec. 1s fl. 0.7s, ec. 6.2s	39 12	W. 5 R. 3 G. 2	White column, black band.	G. 264°-042°, W.-050°, R.-107°30', G.-188°, R.-264°. Fishing light.
96 C 0304	Ursholmen, Kosteroarna, SW. side.	58° 49.9' N 10° 59.4' E	L.Fl.(2)W.R.G. period 15s fl. 2s, ec. 2s fl. 2s, ec. 9s	108 33	W. 10 R. 8 G. 6	White round tower, black band; 43.	R. 349°-036°, W.-169°, R.-174°, W.-337°, G.-341°, W.-349°.
112 C 0306	Svängen.	58° 47.9' N 11° 07.1' E	Fl.W.R.G. period 3s	70 21	W. 16 R. 13 G. 12	White lantern.	R. 302°-025°, G.-042°, W.-047°, R.-076°, G.-107°, W.-108°30', R.-136°, G.-167°30', W.-169°30', R.-204°, W.-238°.
114 C 0310	Bissen.	58° 48.1' N 11° 09.3' E	Fl.(2)W.R.G. period 6s	28 8	W. 6 R. 4 G. 4	White shed, red roof; 23.	G. 319°-327°42', W.-329°42', R.-346°18', W. (unintensified)-125°, G.-139°18', W.-143°18', R.-155°30'.
116 C 0308	Ramskar.	58° 45.5' N 10° 59.6' E	Fl.(3)W.R.G. period 9s fl. 0.7s, ec. 1s fl. 0.7s, ec. 1s fl. 0.7s, ec. 4.9s	62 19	W. 8 R. 6 G. 5	White tower, black band; 62.	G. 346°30'-002°, W.-046°, R.-078°, G.-108°, W.-143°, R.-189°, G.-220°, W.-263°, G.-272°, R.-279°, W.-338°, R.-346°30'.
	RACON		M(- -)		13		(3 & 10cm).
120 C 0312	Havstenssund Range, front.	58° 45.2' N 11° 10.6' E	Iso.W.R.G. period 4s	36 11	W. 10 R. 7 G. 6	White shed, red roof. Floodlit.	G. 355°-012°, R.-039°48', W.-179°12', G.-187°, W.-188°42', R.-195°18'.
124 C 0312.01	-Rear, 1.2 km., 013° from front.	58° 45.8' N 11° 10.9' E	Q.R.	69 21	11	White shed, red roof.	
128 C 0314	Vacker Rock.	58° 42.8' N 11° 09.7' E	Fl.(4)W.R.G. period 12s	43 13	W. 9 R. 6 G. 5	White tower, red roof, black band, gray conical base; 43.	G. 344°42'-015°54', W.-019°18', R.-034°36', G.-071°36', W.-085°36', R.-099°30', G.-285°36', R.-344°42'.
132 C 0320	Stangeskar.	58° 39.6' N 11° 11.6' E	Fl.W.R.G. period 3s	26 8	W. 9 R. 6 G. 5	White tower, black base; 23.	G. 154°30'-159°, W.-161°, R.-243°, G.-269°30', W.-272°, R.-289°, G.-354°, W.-356°, R.-065°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-WEST COAST							
136 C 0324	Bramskar.	58° 39.2' N 11° 09.4' E	Fl.W.R.G. period 6s	30 9	W. 7 R. 6 G. 5	White lantern, red concrete base.	G. 002°-010°, W.-015°, R.-020°, G.-067°30', W.-097°, R.-118°, G. 248°-255°30', W.-258°, R.-272°, G.-287°30', W.-306°, R.-328°.
GREBBESTAD:							
140 C 0319	-Ottero, NW. side.	58° 39.6' N 11° 12.9' E	Fl.(2)W.R.G. period 6s	30 9	W. 6 R. 5 G. 4	White lantern.	G. 055°-087°, W.-093°, R.-129°, G. (unintensified)-221°.
144 C 0317	-Svinnas Range, front.	58° 40.6' N 11° 14.5' E	Q.R.	16 5		Shed, white square daymark, lantern.	Visible on range line only.
			Q.W.R.G.		W. 3 R. 2 G. 2		G. 234°54'-239°12', W.-243°06', R.-042°48'.
148 C 0317.01	--Rear, 250 meters 042° from front.	58° 40.7' N 11° 14.6' E	Q.R.	27 8		Shed, white square daymark, lantern.	
152 C 0316	-Range, front.	58° 41.3' N 11° 15.4' E	F.R.	16 5		Pedestal, white triangular daymark point up, lantern.	
156 C 0316.01	--Rear, about 105 meters 010°30' from front.	58° 41.4' N 11° 15.4' E	F.R.	29 9		Pedestal, white triangular daymark point down, lantern.	
FJALLBACKA APPROACH:							
160 C 0322	-Djupskar.	58° 38.2' N 11° 11.8' E	Fl.(3)W.R.G. period 9s	29 9	W. 7 R. 5 G. 4	White tower, black band; 20.	G. 250°-339°, W.-341°30', R.-070°, G.-123°, W.-126°, R.-145°, G.-178°30', W.-181°, R.-250°.
164 C 0331	-Sodra Syster.	58° 35.5' N 11° 09.2' E	Fl.(2)W.R.G. period 6s	47 14	W. 6 R. 4 G. 3	White tower, black base; 30.	G. 320°-004°, W.-026°, R.-039°, G.-048°, W.-072°30', R.-085°, G.-117°, W.-162°, R.-219°, G.-252°30', W.-272°, R.-320°.
168 C 0330	-Brande Holmen, S. extremity.	58° 35.5' N 11° 11.9' E	Q.W.R.G.	56 17	W. 5 R. 3 G. 2	White lantern.	G. 251°30'-267°30', W.-273°, R.-296°, W. (unintensified)-050°30', G.-093°, W.-097°, R.-115°.
172 C 0329	-Trybergsholm.	58° 35.6' N 11° 13.0' E	Fl.W.R.G. period 3s	21 6	W. 5 R. 3 G. 2	White lantern.	G. 047°30'-063°, W.-072°, R.-150°, G.-225°, W.-228°, R.-241°.
176 C 0328	-Testholmen.	58° 35.8' N 11° 13.5' E	Q.W.R.G.	16 5	W. 6 R. 4 G. 3	White lantern.	G. 140°-155°30', W.-157°, R.-213°, G.-316°30', W.-319°, R.-327°.
180 C 0337	-Kalvoskar.	58° 34.9' N 11° 15.1' E	Iso.W.R.G. period 4s	13 4	W. 6 R. 4 G. 3	White lantern.	G. 000°-016°, W.-019°, R.-068°, G.-133°, W.-138°, R.-149°.
184 C 0327	-Lilla Kotto.	58° 36.3' N 11° 15.6' E	Fl.W.R.G. period 3s	33 10	W. 6 R. 4 G. 3	White lantern.	G. 302°-318°30', W.-328°, R.-340°, W. (unintensified)-071°, G.-086°30', W.-092°, R.-114°, W. (unintensified)-150°, G.-170°, W.-173°, R.-178°.
192 C 0335	Vaderobod.	58° 32.5' N 11° 01.8' E	L.Fl.W. period 8s	105 32		Red tower; 62.	
196 C 0334	Skalholmen.	58° 32.6' N 11° 05.7' E	Fl.W.R.G. period 6s	45 14	W. 8 R. 6 G. 5	White tower; 30.	G. 167°-184°, W.-187°, R.-208°, G.-218°, W.-220°, R.-235°, G.-289°, W.-292°, R.-315°, G.-324°, W.-328°, R.-353°, G.-002°30', W.-008°, R.-032°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-WEST COAST							
200 C 0338	Sandviksholmen, N. side.	58° 33.6' N 11° 14.6' E	Fl.(2)W.R.G. period 6s	34 10	W. 6 R. 4 G. 3	White tower, red roof; 23.	G. 014°-045°30', W.-048°, R.-122°, G.-190°30', W.-193°, R.-242°.
204 C 0339	Sotens Svartskar.	58° 32.9' N 11° 13.3' E	Fl.(3)W.R.G. period 9s	24 7	W. 8 R. 6 G. 5	White tower; 20.	R. 350°-355°, G.-004°, W.-018°30', R.-036°30', G.-048°, W.-051°30', R.-063°, G. 172°30'-210°, W.-217°, R.-302°.
SOTE FJORD:							
208 C 0340	-Langholmen Range, front.	58° 31.9' N 11° 13.5' E	Iso.W.R.G. period 4s	23 7	W. 11 R. 3 G. 1	White lantern.	W. 164°30'-087°, G. (unintensified)-130°, W. (unintensified)-150°, R. (unintensified)-164°30'. Intensified on range line.
212 C 0340.01	--Rear, Magholmen 901 meters 006° from front.	58° 32.4' N 11° 13.6' E	Q.W.	56 17	10	White shed, white square daymark.	
220 C 0344	-Soo (Ramsvik), N. Point Range, front.	58° 26.8' N 11° 15.5' E	Q.W.	19 6	7	White shed, lantern.	
224 C 0344.1	--Rear, 1,019 meters 115°30' from front.	58° 26.5' N 11° 16.4' E	Iso.W.R.G. period 4s	46 14	W. 6 R. 5 G. 4	White tower, red roof; 20.	G. 326°48'-355°48', W.-000°48', R.-035°42', G.-099°30', W.-117°48', R.-121°42', G.-185°24'.
240 C 0352	-Mjolskar (Miolskar).	58° 24.8' N 11° 11.7' E	Fl.W.R.G. period 3s	46 14	W. 7 R. 5 G. 4	Black tower, white top, gray conical base; 46.	G. 355°06'-021°54', W.-025°30', R.-168°48', G.-193°48', W.-195°54', R.-355°06'.
242 C 0353	Skarvasatt, N. head.	58° 21.8' N 11° 12.5' E	Fl.(2)W.R.G. period 6s	46 14	W. 8 R. 5 G. 4	Red lantern.	G. (unintensified) 010°54'-082°42', R. (unintensified)- 147°18', G.-162°, W.-167°30', R.-175°18', G.-182°48'.
244 C 0354	-Tryggo (Evenskar) Range, front.	58° 23.2' N 11° 13.1' E	Iso.R. period 4s	23 7	7	Column, white pedestal.	Visible on range line only.
248 C 0354.1	--Rear, 1005 meters 016° from front.	58° 23.8' N 11° 13.4' E	Q.R.	55 17	8	Column, white pedestal.	Visible on range line only.
260 C 0361	Kolebadan.	58° 21.1' N 11° 15.3' E	Iso.W.R.G. period 3s	19 6	W. 10 R. 7 G. 6	White pedestal, white and black base.	G. 004°30'-084°36', W.-087°12', R.-178°48', W.-004°30'.
268 C 0369	Pengeskarshadan.	58° 20.8' N 11° 13.2' E	Fl.(2)W.R.G. period 3s	23 7	W. 7 R. 3 G. 2	White pedestal, black base.	G. 199°42'-233°30', W.-238°, R.-199°42'.
272 C 0368	Hatteflu, on Ostra Hatteflu.	58° 20.9' N 11° 13.6' E	Fl.W.R.G. period 3s	21 6	W. 5 R. 4 G. 3	White pedestal, black base.	G. 038°30'-106°48', W.-111°54', R.-120°42', W.-250°06'.
276 C 0375	Hallo.	58° 20.2' N 11° 13.2' E	Fl.W. period 12s	131 40	10	White round stone tower, red top; 66. Floodlit.	Visible 182°30'-345°, (intensified)-174°48'. Obscured by Salo 116°54'-119°24' when within 2.5 miles of light.
282 C 0371	Byttelocket.	58° 21.2' N 11° 14.3' E	Fl.R. period 3s	13 4	1	White structure, black cairn.	
284 C 0370	Gravarna Backevik Range, front.	58° 21.4' N 11° 14.8' E	Q.R.	49 15	6	Structure; 23.	Visible on range line only.
			Q.W.R.G.	49 15	W. 6 R. 6 G. 5	Pile.	G. 045°36'-054°48', W.-057°54', R.-069°.
288 C 0370.1	--Rear, 200 meters 023°36' from front.	58° 21.5' N 11° 14.9' E	Iso.R. period 3s	92 28	6	Red lantern.	Visible on range line only. Synchronized with front.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-WEST COAST							
292 C 0372	-Fiskeham Range, front.	58° 21.5' N 11° 14.3' E	F.G.		23 7	6 Post, white triangular daymark point up.	Fishing light.
296 C 0372.1	--Rear, about 115 meters 349°30' from front.	58° 21.6' N 11° 14.3' E	F.G.		39 12	6 Post, white triangular daymark point down.	Fishing light.
308 C 0364	Fisketangen Range, front.	58° 21.5' N 11° 16.0' E	F.R.		44 13	4 White concrete beacon.	
312 C 0364.1	--Rear, 200 meters 297°30' from front.	58° 21.5' N 11° 15.8' E	F.R.		68 21	4 White concrete beacon.	
316 C 0376	-Brandskarsflak.	58° 17.6' N 11° 18.7' E	Oc.(2)W.R.G. period 8s		82 25	W. 15 White tower, green band, gray base; 85. R. 14 Floodlit. G. 12 Helicopter platform.	R. 226°36'-311°06', G.-352°, R.-028°06', G.-045°48', W.-226°36'. Partially obscured 245°-256°.
	-RACON		B(-•••) period 20s		15		(3 & 10cm).
320 C 0376.2	-Dynabrott.	58° 17.8' N 11° 18.6' E	Oc.W.R.G. period 8s		82 25	W. 15 White concrete tower, red band, gray base; 85. R. 14 Floodlit. G. 12 Helicopter platform.	R. 209°12'-216°06', G.-225°42', W.-052°42', R.-078°, G.-209°12'. Partially obscured 060°-071°.
324 C 0376.4	-Lindholmen Mellersta Range, common front.	58° 19.4' N 11° 22.6' E	Iso.W. period 8s		89 27	16 Red tower; 43.	Reserve light Iso R. 8s.
328 C 0376.41	--Fiskebacksvik, rear, 2.6 kilometers 050°18' from front.	58° 20.3' N 11° 24.6' E	Iso.W. period 8s		207 63	17 Orange pilot lookout tower; 26.	Reserve light Iso.R. 8s.
329 C 0376.42	--Lindholmen Ostra.	58° 19.4' N 11° 22.7' E	Iso.G. period 8s		89 27	16 Red tower; 10.	In line 049°30' with Fiskebacksvik light marking SE. limit of channel.
330 C 0376.43	---Vastra.	58° 19.5' N 11° 22.6' E	Iso.R. period 8s		89 27	16 Red tower; 49.	In line 051°30' with Fiskebacksvik light marking NW. limit of channel.
332 C 0376.5	-Stretuddén Range, front.	58° 20.6' N 11° 24.4' E	Iso.W. period 4s		115 35	17 White column; 13.	
336 C 0376.51	--Rear, 1,700 meters 046° from front.	58° 21.2' N 11° 25.6' E	Iso.W. period 4s		190 58	18 White tower, black top; 52.	
FISTETAGEN:							
340 C 0378.2	-Tan.	58° 17.9' N 11° 19.6' E	Q.W.R.G.		38 12	W. 8 White tower; 26. R. 6 Floodlit. G. 5	R. 224°06'-258°30', obs.-001°, G.-037°30', W.-224°06'.
344 C 0378.6	-Tinnholmen.	58° 19.5' N 11° 23.8' E	Q.W.R.G.		43 13	W. 7 White tower; 26. R. 5 G. 4	R. 009°36'-098°30', G.-118°06', W.-122°18', R.-170°30', G.-309°12'.
348 C 0366	Flattarna.	58° 21.4' N 11° 17.4' E	Fl.(2)W.R.G. period 6s		26 8	W. 6 Tower. R. 4 G. 3	R. 254°54'-259°24', G.-263°24', W.-288°48', R.-335°12', G.-343°54', W.-345°42', R.-358°36', G.-044°54', W.-058°48', R.-083°12'.
356 C 0360	Breviksudde Range, front.	58° 21.8' N 11° 21.3' E	Iso.W.R.G. period 3s		26 8	W. 10 White beacon tower. R. 7 G. 6	G. 336°12'-000°42', W.-004°36', R.-038°, G.-066°24', W.-076°42', R.-094°54'.
360 C 0360.1	--Rear, 275 meters 073°48' from front.	58° 21.9' N 11° 21.6' E	Q.W.		82 25	10 Post, white pedestal.	Visible 028°-049°30'.
364 C 0379	Svensholmen.	58° 18.7' N 11° 21.9' E	Fl.(3)W.R.G. period 9s		47 14	W. 9 White tower; 23. R. 6 G. 5	G. 046°48'-085°36', W.-088°30', R.-098°42', G.-152°, W.-168°12', R.-243°42', G.-313°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-WEST COAST							
372 C 0378.4	Kafra.	58° 19.5' N 11° 21.7' E	Fl.W.R.G. period 3s	33 10	W. 9 R. 6 G. 5	White tower, black base; 36. Floodlit.	G. 179°48'-231°18', W.- 046°30', R.-095°24', G.- 148°42', R.-169°48'.
376 C 0380	Blackhall.	58° 18.6' N 11° 22.8' E	Fl.(2)W.R.G. period 6s	31 9	W. 8 R. 6 G. 5	Tower.	G. 310°06'-322°30', W.- 327°30', R.-019°36', G.- 112°18', W.-120°48', R.- 150°.
378 C 0381	Stora Kornö.	58° 18.2' N 11° 22.5' E	F.W.R.G.	10 3	2	White hut, concrete base. Floodlit.	G. 102°54'-170°06', W.- 175°12', R.-190°12', G.- 213°24', W.-222°24', R.- 260°, W.-102°54'.
380 C 0381.5	Hangdyn.	58° 17.5' N 11° 24.2' E	Q.W.R.G.	16 5	W. 5 R. 3 G. 2	Pedestal, red lantern, base.	G. 264°-036°, W.-043°, R.- 090°, G.-143°, W.-146°, R.-264°.
384	<i>Sorgrundsberg Buoy.</i>	58° 17.0' N 11° 11.0' E	Q.(6)+L.Fl.W. period 15s			S. CARDINAL YB, pillar, topmark.	Radar reflector.
388 C 0388	Stangholmen, E. side.	58° 16.0' N 11° 24.9' E	Iso.W.R.G. period 4s	19 6	W. 6 R. 4 G. 3	White lantern.	G. 153°30'-163°18', W.- 164°42', R.-246°06', G.- 293°24', W.-328°06', R.- 012°12'.
392 C 0384	Gaven.	58° 16.3' N 11° 21.0' E	Fl.(3)W.R.G. period 9s	89 27	W. 8 R. 6 G. 5	White tower, black band, red lantern; 30.	G. (unintensified) 234°30'- 241°30', W. (unintensified)-261°, R. (unintensified)-311°, G. (unintensified)-002°30', G.-024°12', W.-030°12', R.-041°54', G.-053°30', W.-087°54', R.-110°06', G.-121°36'.
396 C 0382	Gulskären, on Sodra Gulskar.	58° 16.8' N 11° 23.4' E	Fl.(2)W.R.G. period 6s	30 9	W. 7 R. 5 G. 4	White tower; 20.	W. (unintensified) 237°-258°, R. (unintensified)-315°, R.-346°30', G.-056°30', W.-059°30', R.-132°, G.- 141°, G. (unintensified)- 237°.
400 C 0390	Flatholmen.	58° 15.7' N 11° 24.8' E	Fl.W.R.G. period 4s	33 10	W. 11 R. 6 G. 5	White lantern.	G. 090°30'-094°48', W.- 095°36', R.-112°30', G.- 129°, W.-138°30', R.- 200°, G.-257°, W.-265°, R.-304°, G.-335°.
402 C 0390.5	Byxeskären.	58° 15.7' N 11° 23.2' E	V.Q.G.	31 10	3	White concrete tower; 16.	Visible 070°-270°. Radar reflector.
404 C 0392	Slaggabaden.	58° 15.9' N 11° 26.3' E	L.Fl.W.R.G. period 8s fl. 2s, ec. 6s	20 6	W. 9 R. 7 G. 6	White tower, gray base; 26. Floodlit.	G. 194°54'-226°42', R.- 248°54', G.-261°, W.- 273°06', R.-290°06', G.- 306°36', W.-316°06', R.- 352°18', G.-017°48', W.- 019°48', R.-042°36', G.- 082°42', W.-084°54', R.- 194°54'.
416 C 0392.5	-Redd.	58° 16.1' N 11° 27.2' E	Q.W.	19 6	4	White pedestal.	
417 C 0392.7	-Degausing Station W. Dolphin.	58° 16.2' N 11° 27.0' E	2 F.R. (vert.)		2	Post, dolphin.	
418 C 0392.8	--E. Dolphin.	58° 16.2' N 11° 27.2' E	2 F.R. (vert.)		2	Post, dolphin.	
428	<i>Brofjorden Angoring Buoy.</i>	58° 15.0' N 11° 13.5' E	L.Fl.W. period 10s			SAFE WATER RW, pillar, topmark.	Radar reflector.
	RACON		G(- - •) period 30s		6		(3 & 10cm).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-WEST COAST							
SKAFTO:							
432 C 0394	-Groto, SE. point.	58° 13.0' N 11° 24.3' E	Fl.W.R.G. period 3s	13 4	W. 6 R. 4 G. 3	White lantern.	G. 173°-201°, W.-204°30', R.-237°12', G.-295°36', W.-350°42', R.-006°30', G.-035°48'.
436 C 0398	-Grundsund pier, head.	58° 13.0' N 11° 24.9' E	Oc.(2)W.R.G. period 8s lt. 1s, ec. 1s lt. 5s, ec. 1s	16 5	W. 6 R. 4 G. 3	Gray framework tower.	G. 111°-132°42', W.-161°12', R.-172°.
440 C 0400	-Islandsberg.	58° 12.1' N 11° 24.3' E	Fl.(4)W.R.G. period 12s fl. 0.3s, ec. 1.5s fl. 0.3s, ec. 1.5s fl. 0.3s, ec. 1.5s fl. 0.3s, ec. 6.3s	43 13	W. 7 R. 5 G. 4	Red tower; 23.	G. 310°-031°30', W.-034°12', R.-038°36', R. 044°24'-047°48', G.-085°30', R.-125°36', G.-181°12', W.-184°54', R.-235°.
444 C 0402	Hattan.	58° 10.4' N 11° 22.4' E	Fl.(2)W.R.G. period 6s	48 15	W. 8 R. 6 G. 5	White tower, black band; 30.	G. 019°30'-035°42', W.-051°30', R.-077°12', G.-115°36', W.-124°06', R.-150°24', G.-209°36', W.-215°36', R.-225°24'.
448 C 0404	Fredagsholmen.	58° 11.2' N 11° 25.3' E	Fl.W.R.G. period 3s	18 5	W. 5 R. 4 G. 3	Red lantern.	G. 286°36'-294°, W.-300°42', R.-054°48', G.-114°42', W.-122°06', R.-136°12'.
452 C 0409	Ornekullen Range, front.	58° 11.9' N 11° 29.8' E	Q.R.	65 20		White mast, white square daymark.	Visible on range line only.
456 C 0409.1	-Rear, 255 meters 059° from front.	58° 12.0' N 11° 30.0' E	Iso.R. period 4s	105 32		White pedestal, black and white square daymark.	Visible on range line only. Synchronized with front.
460 C 0409.5	Hallen Range, front.	58° 11.7' N 11° 29.3' E	Q.G.	16 5		White pedestal.	
464 C 0409.6	-Rear, 210 meters 194° from front.	58° 11.6' N 11° 29.2' E	Iso.G. period 4s	29 9		White pedestal.	Visible on range line only. Synchronized with front.
468 C 0410	Tarneskar Range, front.	58° 12.3' N 11° 29.6' E	Q.R.	18 5		White pedestal.	Visible on range line only.
472 C 0410.1	-Rear, 80 meters 239°30' from front.	58° 12.3' N 11° 29.5' E	Iso.R. period 4s	24 7		Pedestal, white triangular daymark point down.	Visible on range line only. Synchronized with front.
476 C 0410.5	Flato.	58° 12.9' N 11° 30.7' E	Fl.W.R.G. period 3s	33 10	W. 4 R. 2 G. 2	White pedestal, lantern.	G. 282°30'-299°36', W.-309°54', R.-010°48'.
480 C 0411	Morlanda.	58° 12.3' N 11° 31.5' E	Fl.(2)W.R.G. period 6s	19 6	W. 6 R. 4 G. 3	White pedestal.	R. 133°30'-141°24', G.-224°36', W.-228°30', R.-281°.
484 C 0411.4	Ravnsasudde Range, front.	58° 15.6' N 11° 38.3' E	Iso.W. period 4s	46 14		White pedestal, white rectangular daymark.	
488 C 0411.5	-Rear, 920 meters 047° from front.	58° 16.0' N 11° 39.1' E	Q.W.	98 30		White pedestal, white rectangular daymark.	
492 C 0411.6	Rafsnas.	58° 15.5' N 11° 38.5' E	Fl.W. period 3s	23 7		White post; 7.	Visible 225°-113°48'.
496 C 0411.9	Goden.	58° 15.5' N 11° 39.0' E	Fl.(2)G. period 6s	36 11		White post, green band; 7.	Visible 053°12'-298°30'.
498 C 0412	Kalvon.	58° 15.6' N 11° 39.8' E	Fl.R. period 3s	30 9		White post, red band; 7.	Visible 234°24'-125°.
500 C 0412.5	Saten.	58° 15.6' N 11° 40.6' E	Fl.(2)W.R.G. period 6s	22 7	W. 6 R. 4 G. 3	Beacon.	G. 357°18'-039°30', W.-048°30', R.-091°24', G.-175°30', W.-178°48', R.-189°42'.
504 C 0412.7	Hogholmen, N. of channel.	58° 18.2' N 11° 41.3' E	Fl.W.R.G. period 3s	19 6	W. 5 R. 3 G. 3	White tower.	G. 180°-230°36', W.-236°54', R.-250°24', G.-041°30', W.-056°54', R.-100°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-WEST COAST							
508 C 0413.3	Mattholm.	58° 18.3' N 11° 43.3' E	Fl.W.R.G. period 3s	18 5	W. 4 R. 2 G. 2	White pedestal.	G. 337°48'-089°42', W.- 091°54', R.-183°18'.
512 C 0413	Oso.	58° 18.2' N 11° 43.1' E	Q.R.G.	18 5	2	White pedestal.	G. 107°12'-281°, R.-346°54'.
516 C 0413.5	-Sandvikskullen.	58° 18.1' N 11° 43.8' E	Fl.(2)W.R.G. period 6s	18 5	W. 10 R. 7 G. 6	White lantern.	G. 060°-116°12', W.-119°30', R.-205°18', G.-246°24', W.-249°06', R.-320°.
528 C 0422	Tvestjarten.	58° 10.5' N 11° 24.3' E	Fl.(2)W.R. period 6s	16 5	W. 5 R. 4	White tower.	W. 325°12'-195°42', R.-203°.
540 C 0428	Rao Range, front.	58° 09.0' N 11° 23.9' E	Q.W.G.	16 5	4	Black pedestal, white triangular daymark point up.	G. 283°-075°, W.-229°.
544 C 0427	-Rear, 1000 meters 004° from front.	58° 09.6' N 11° 24.0' E	Iso.W.G. period 5s	25 8	W. 3 G. 8 G. 3	Red lantern.	G. 345°-010°, W.-198°30'. Intensified on range line.
544.1 C 0426	--Stromholmen, rear, 1100 meters 010°30' from front.	58° 10.1' N 11° 24.2' E	Fl.W.R.G. period 3s fl. 0.7s, ec. 2.3s	31 9	W. 6 R. 4 G. 4	White pedestal, lantern.	G. 163°30'-186°30', W.- 014°42', R.-029°48'.
548 C 0430	Jarnskar.	58° 07.9' N 11° 24.1' E	Fl.W.R.G. period 3s	15 5	W. 6 R. 4 G. 3	White lantern.	G. 029°-050°, W.-064°, R.- 095°, G.-139°, W.-148°, R.-226°, W.-278°.
552 C 0434	Koljebergskil Range, front.	58° 08.0' N 11° 25.1' E	Iso.R. period 3s	37 11	6	Black hut, white gable, red band.	Visible on range line only.
556 C 0434.1	-Rear, 110 meters 093°30' from front.	58° 08.0' N 11° 25.2' E	Q.R.	69 21	6	Black hut, white gable, red band.	Visible on range line only.
560 C 0438	Sorhallsudde Range, front.	58° 08.2' N 11° 24.9' E	Iso.W. period 4s	22 7	9	Black hut, white gable, red band.	Visible on range line only.
564 C 0438.1	-Rear, 140 meters 345° from front.	58° 08.2' N 11° 24.9' E	Q.W.	26 8	8	Black hut, white gable, red band.	Visible on range line only.
568 C 0444	Porsnasudde.	58° 07.4' N 11° 25.4' E	Fl.(2)W.R.G. period 6s	19 6	W. 5 R. 4 G. 3	Red lantern.	G. 315°54'-326°36', W.- 330°12', R.-138°36', W.- 164°36'.
572 C 0446	Karingo Kummel.	58° 06.6' N 11° 22.4' E	Iso.W.R.G. period 3s	31 9	W. 7 R. 5 G. 4	White tower, black band; 23.	W. 151°06'-172°42', G.-209°, W.-211°54', R.-236°30', obsc.-298°18', G.-310°, W.-315°48', R.-322°06'.
576 C 0447	Karingo telephone cable Range, front.	58° 06.7' N 11° 22.2' E	F.R.	25 8	7	White rectangular daymark, red stripe.	Visible on range line only. Marks cable between Karingo and Oxskar.
580 C 0447.1	-Rear, 75 meters 193° from front.	58° 06.7' N 11° 22.3' E	F.R.	48 15	7	White rectangular daymark, red stripe.	Visible on range line only.
584 C 0448	Oxskar.	58° 07.1' N 11° 22.6' E	Fl.(3)W.R.G. period 9s	22 7	W. 6 R. 4 G. 4	White lantern.	G. 326°18'-341°, W.-348°06', R.-056°, W.-063°, obsc.- 240°, G.-250°36', R.- 252°18', G.-259°30'.
588 C 0456	Maseskar.	58° 05.7' N 11° 19.8' E	Fl.(3)W.R.G. period 30s fl. 1.5s, ec. 3.5s fl. 1.5s, ec. 3.5s fl. 1.5s, ec. 18.5s	88 27	W. 16 R. 13 G. 12	White tower, red rectangular daymark; 43.	W. 012°30'-163°, R.-300°12', G.-012°30'.
592 C 0458	Brato.	58° 05.7' N 11° 26.7' E	Fl.(4)W.R.G. period 12s	23 7	W. 5 R. 4 G. 3	Red lantern.	G. 336°-351°, W.-355°, R.- 088°, G.-131°, W.-136°, R.-158°.
596 C 0460	Mollosund.	58° 04.4' N 11° 27.9' E	Fl.(2)W.R.G. period 6s	23 7	W. 9 R. 6 G. 5	Red lantern.	G. 295°-314°, W.-319°30', R.- 018°, G.-119°30', W.- 127°30', R.-151°30'.
600 C 0462	Lyr, W. side.	58° 04.2' N 11° 29.8' E	Fl.(4)W.R.G. period 12s	16 5	W. 5 R. 4 G. 3	Red lantern.	G. 000°-009°54', W.-014°12', R.-021°, G.-072°18', W.- 077°36', R.-088°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-WEST COAST							
604 C 0450	Kraksundsgap, N.	58° 06.2' N 11° 26.5' E	Q.W.		23 7	4	White pedestal, lantern.
608 C 0452	-S.	58° 06.0' N 11° 26.5' E	Fl.(2)W.R.G. period 6s		42 13	W. 8 R. 6 G. 5	White tower, black conical base; 43. R. 315°-358°42', G.-044°48', W.-049°48', R.-078°, G.- 093°36', W.-117°, obsc.- 139°42', G.-195°36', W.- 220°54', R.-243°42', G.- 253°18'.
612 C 0463	Otterholmen (Otterholm), NE. point.	58° 04.1' N 11° 29.6' E	Q.R.G.		24 7	2	White pedestal. G. 085°-183°30', R.-355°.
616 C 0464	Rabbehuvud.	58° 01.8' N 11° 28.9' E	L.Fl.W. period 12s		46 14	8	Black tower, white top; 30. In line 022° with unit beacon.
620 C 0468	Sodra Kyrkesund Range, front.	58° 01.8' N 11° 30.9' E	Iso.R. period 4s		69 21	10	White pedestal. Visible on range line only.
624 C 0468.1	-Rear, 550 meters 002°30' from front.	58° 02.2' N 11° 30.9' E	Q.R.		98 30	10	White pedestal. Visible on range line only.
628 C 0472	Gasskar.	58° 01.7' N 11° 30.7' E	Fl.(2)W.R.G. period 6s		14 4	W. 6 R. 4 G. 3	White lantern. G. 323°48'-333°36', W.- 341°18', R.-070°42', W.- 132°18', R.-149°12'.
632 C 0474	Norra Kyrkesund Range, front.	58° 01.6' N 11° 30.7' E	Iso.W. period 4s		16 5	6	White pedestal, black base. Visible 135°-337°.
636 C 0474.1	-Rear, about 1 km. 154° 30' from front.	58° 01.1' N 11° 31.1' E	Q.W.R.		34 10	W. 8 R. 6	White pedestal, lantern. W. 148°-161°, R.-173°.
HJARTOFJORD (HIERTO FJORD):							
648 C 0482	-Sanct Olovs Range, front.	57° 59.9' N 11° 30.9' E	Iso.W.R.G. period 4s		25 8	W. 6 R. 4 G. 3	Red tower; 23. W. 342°-049°, W. (unintensified)-119°, G.- 155°30', W.-169°, R.- 178°, W. (unintensified)- 239°.
652 C 0482.1	--Rear, 1.6 km., 006°30' from front.	58° 00.8' N 11° 31.1' E	Q.W.		83 25	13	Red lantern. Visible on range line only.
656 C 0485	-Skarhamn Harbor Range, front.	57° 59.6' N 11° 32.2' E	Iso.R. period 3s		23 7	11	Black hut, blue band, white lantern. Visible on range line only.
660 C 0485.1	--Rear, about 500 meters 050° from front.	57° 59.7' N 11° 32.5' E	Oc.R. period 5s		95 29	11	Metal framework tower, white square daymark; 30. Visible on range line only.
664 C 0486	-Eggskar.	57° 56.8' N 11° 31.0' E	Fl.(2)W.R.G. period 6s fl. 0.3s, ec. 1s fl. 0.3s, ec. 4.4s		25 8	W. 6 R. 4 G. 3	White tower; 23. G. 073°-117°, W.-120°, R.- 139°, G.-243°, R.-265°, G.-295°, W.-299°, R.- 325°, G.-017°, R.-073°.
668 C 0488	-Angholmen Range, front.	57° 56.7' N 11° 33.8' E	F.G.		13 4	2	Post. Fishing light.
672 C 0488.1	--Rear, 110 meters 101° from front.	57° 56.7' N 11° 33.9' E	F.G.		44 13	2	Post. Fishing light.
MARSTRANDSFJORDEN:							
680 C 0490	-Berlin Islet.	57° 56.0' N 11° 33.1' E	Fl.W.R.G. period 3s fl. 0.7s, ec. 2.3s		25 8	W. 5 R. 3 G. 3	Red lantern. G. 330°30'-338°30', W.-343°, R.-096°30', G.-136°30', W.-144°24', R.-155°, G.- 163°, W.-168°30', R.- 191°.
684 C 0490.6	-Astol.	57° 55.3' N 11° 35.1' E	L.Fl.W.R.G. period 8s fl. 2s, ec. 6s		23 7	W. 12 R. 10 G. 8	Red lantern. Floodlit. G. 249°12'-261°42', W.- 263°54', R.-271°12', G.- 281°24', W.-293°54', R.- 029°42', G.-042°36', W.- 063°, R.-083°06', G.- 089°42'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-WEST COAST							
688 C 0491	-Norra Astol Power Cable Range, front.	57° 55.5' N 11° 35.3' E	F.R.	23 7	8	Lantern, white triangular daymark point up, black border.	
690 C 0491.1	--Rear, 100 meters 141° from front.	57° 55.4' N 11° 35.3' E	F.R.	39 12	8	Lantern, white triangular daymark point down, black border.	
692 C 0491.4	-Astols Fishing Harbor Range, front.	57° 55.5' N 11° 35.2' E	F.G.	18 5	2	White triangular daymark point up.	Fishing light.
696 C 0491.5	--Rear, 60 meters 257° from front.	57° 55.5' N 11° 35.1' E	F.G.	24 7	2	White triangular daymark point down.	Fishing light.
701 C 0489.4	-Pater Noster.	57° 53.7' N 11° 28.0' E	L.Fl.W. period 15s	118 36	11	Red framework tower; 105.	
708 C 0489	-Hatteberget.	57° 51.8' N 11° 27.5' E	Fl.(2)W.R.G. period 12s fl. 1.5s, ec. 2s fl. 1.5s, ec. 7s	85 26	W. 21 W. 18 R. 18 R. 15 G. 18 G. 16	Black concrete tower, red bands, gray base; 85. Helicopter platform.	W. 008°-110°, R.-152°, G. (unintensified)-225°, W. (unintensified)-260°, R. (unintensified)-346°, G.-008°.
	-RACON		G(- - •) period 30s		15		(3 & 10cm).
712 C 0493	-Skallen, on islet.	57° 53.4' N 11° 33.5' E	Iso.W.R.G. period 4s	44 13	W. 14 R. 11 G. 10	White tower; 20.	G. 033°54'-054°36', W.-069°12', R.-086°, G.-132°18', W.-206°48', R.-234°42', G.-250°.
716 C 0494.8	-Graberget.	57° 52.7' N 11° 35.0' E	Fl.(2)W.R.G. period 3s	25 8	W. 6 R. 4 G. 3	White tower, black base; 20.	G. 051°-052°30', W.-054°, R.-067°, G.-099°, W.-103°, R.-138°30', G.-209°, W.-223°, R.-234°30'.
720 C 0494	-Marstrand Havn.	57° 53.5' N 11° 34.5' E	Fl.(3)W.R.G. period 9s	23 7	W. 10 R. 7 G. 6	Tower.	G. 053°-091°, R.-148°, G.-160°30', W.-163°30', R.-171°30'.
724 C 0496	-Sodra Meholm.	57° 55.3' N 11° 37.4' E	Fl.(2)W.R.G. period 6s fl. 0.7s, ec. 1s fl. 0.7s, ec. 3.6s	26 8	W. 5 R. 3 G. 3	White pedestal, lantern.	W. 073°-256°, R.-290°, G.-073°.
728 C 0498	-Norra Meholm.	57° 55.5' N 11° 37.8' E	Fl.W.R.G. period 3s	36 11	W. 5 R. 3 G. 2	White pedestal, lantern.	W. 267°-075°54', R.-261°42', G.-267°.
730 C 0499	-Nordholmarna.	57° 54.6' N 11° 37.8' E	Fl.(3)W.R.G. period 9s	16 5	W. 7 R. 5 G. 4	White hut, green base; 10. Floodlit.	R. 055°12'-071°12', G.-111°12', W.-227°24', R.-242°, G.-256°18'.
731 C 0500	-Backebadan.	57° 54.9' N 11° 37.5' E	Fl.W.R.G. period 3s	23 7	W. 7 R. 5 G. 4	Red hut, white roof. Floodlit.	R. 110°12'-236°54', G.-242°54', W.-110°12'.
UDDEVALLA APPROACH:							
732 C 0501	-Algo (Elgo), island, W. head.	57° 55.6' N 11° 40.1' E	Q.W.R.G.	22 7	W. 6 R. 4 G. 3	White lantern.	G. 060°06'-082°30', W.-084°30', R.-200°48', G.-211°12', W.-215°12', R.-252°30'.
736 C 0502.2	-Wallhamn Roda Range, front.	58° 01.0' N 11° 42.0' E	F.R.	89 27	10	Framework tower.	Range 3M by day.
740 C 0502.21	--Rear, 520 meters 352°48' from front.	58° 01.0' N 11° 42.0' E	F.R.	118 36	10	Framework tower.	Range 3M by day.
744 C 0502.4	-Grona Range, front.	58° 01.0' N 11° 42.0' E	F.G.	89 27	10	Framework tower.	Range 3M by day.
748 C 0502.41	--Rear, 521 meters 352°48' from front.	58° 01.0' N 11° 42.1' E	F.G.	118 36	10	Framework tower.	Range 3M by day.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-WEST COAST							
752 C 0502	-Mitholmarna.	57° 58.0' N 11° 43.7' E	Fl.(4)W.R.G. period 12s	24 7	W. 7 R. 5 G. 4	White lantern.	G. 027°06'-037°30', W.-040°54', R.-153°48', G.-204°12', W.-206°48', R.-219°12'.
754 C 0503	-Vinterholmen.	58° 01.9' N 11° 46.9' E	Fl.W.R.G. period 3s	36 11	W. 8 R. 5 G. 4	Metal framework tower.	W. 018°-021°, R.-189°, G.-197°, W.-205°, R.-335°, G.-018°.
756 C 0503.6	-Snoholmarna.	58° 02.7' N 11° 47.8' E	Fl.(2)W.R.G. period 6s	13 4	W. 6 R. 4 G. 3	White lantern.	G. 011°-018°, W.-028°, R.-077°, G.-138°, W.-144°, R.-173°, G.-200°, R.-240°.
760 C 0503.4	-Brattogrundet, 1.5 kilometers 316° from Snoholmarna.	58° 03.2' N 11° 46.7' E	Fl.W.R.G. period 3s	16 5	W. 6 R. 4 G. 3	White pedestal, lantern, gray base.	G. 040°-186°, W.-199°, R.-236°, G.-284°, W.-311°, R.-040°.
768 C 0504.2	-Havden Roda Range, front.	58° 05.0' N 11° 48.3' E	F.R.	26 8		Yellow triangular daymark point up, black border.	Shown on request.
772 C 0504.21	--Rear, 80 meters 059° from front.	58° 05.0' N 11° 48.4' E	F.R.	44 13		Yellow triangular daymark point down, black border.	Shown on request.
776 C 0504.3	-Havden Grona Range, front.	58° 04.9' N 11° 48.3' E	F.G.	19 6		Yellow triangular daymark point up, black border.	Shown on request.
780 C 0504.31	--Rear, 52 meters 059° from front.	58° 05.0' N 11° 48.4' E	F.G.	29 9		Yellow triangular daymark point down, black border.	Shown on request.
784 C 0504.36	-Stenung Range, front.	58° 05.1' N 11° 48.6' E	F.G.	26 8		Post, white triangular daymark point up, black border.	Shown on request.
788 C 0504.37	--Rear, 112 meters 102°36' from front.	58° 05.1' N 11° 48.7' E	F.G.	37 11		Post, white triangular daymark point down, black border.	Shown on request.
792 C 0504.4	-Hog Grona Range, front.	58° 05.3' N 11° 49.2' E	F.G.	52 16		Yellow triangular daymark point up.	Visible on range line only. Shown on request.
796 C 0504.41	--Rear, 90 meters 101°18' from front.	58° 05.3' N 11° 49.4' E	F.G.	75 23		Mast, yellow triangular daymark point down.	Visible on range line only. Shown on request.
800 C 0504.6	-Hog Roda Range, front.	58° 05.3' N 11° 49.2' E	F.R.	43 13		Mast, yellow triangular daymark point up.	Visible on range line only. Shown on request.
804 C 0504.61	--Rear, 75 meters 102°06' from front.	58° 05.4' N 11° 49.4' E	F.R.	59 18		Mast, yellow triangular daymark point down.	Visible on range line only. Shown on request.
808 C 0506	-Galteron.	58° 06.3' N 11° 48.2' E	Fl.(2)W.R.G. period 6s	16 5	W. 9 R. 7 G. 6	White post. Floodlit.	G. 009°24'-013°30', W.-015°24', R.-028°54', W. (unintensified)-177°48', G.-216°18', W.-223°, R.-234°24'.
810 C 0507	-Halse Nabb.	58° 07.4' N 11° 49.6' E	Q.W.R.G.	16 5	W. 10 R. 7 G. 6	White hut, red roof, red base; 10. Floodlit.	G. 167°-192°, W.-040°, R.-057°.
812 C 0510	-Svanesund, at Orust.	58° 08.3' N 11° 50.0' E	Fl.W.R.G. period 3s	16 5	W. 10 R. 7 G. 6	Red tower; 20.	G. 192°06'-202°12', W.-208°12', R.-224°42', W. (unintensified)-305°54', G.-349°48', W.-007°24', R.-018°42'.
816 C 0508	-Sundholmen.	58° 08.1' N 11° 50.2' E	Fl.(2)W.R.G. period 6s	16 5	W. 5 R. 3 G. 2	White pedestal, lantern. Floodlit.	G. 345°-000°, W.-188°, R.-270°.
819 C 0511.4	-Grotta Holme.	58° 09.5' N 11° 51.3' E	Fl.(2)W.R.G. period 6s	19 6	W. 7 R. 5 G. 4	White pedestal, lantern.	G. 016°-036°, W.-047°, R.-089°, G.-170°, W.-175°, R.-179°, G.-208°.
820 C 0511	-Djurnasudde.	58° 09.4' N 11° 50.9' E	Q.W.R.G.	18 5	W. 5 R. 3 G. 2	White pedestal, lantern.	W. 022°-331°, R.-002°, G.-022°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-WEST COAST							
824 C 0512	-Strandanas.	58° 12.1' N 11° 50.8' E	Fl.W.R.G. period 3s	13	W. 6 4 R. 4 G. 3	Red lantern.	G. 175°06'-177°48', W.-185°36', R.-241°42', W. (unintensified)-310°18', G.-352°24', W.-355°48', R.-008°24'.
826 C 0419	Aspholmen.	58° 15.0' N 11° 49.7' E	Fl.(3)W.R.G. period 9s fl. 0.7s, ec. 1s fl. 0.7s, ec. 1s fl. 0.7s, ec. 4.9s	16	W. 6 5 R. 4 G. 3	White lantern, red concrete base.	G. 124°42'-148°42', W.-154°36', R.-170°, G.-187°06', W.-316°18', R.-331°36', G.-351°18'.
828 C 0418	Bjorningarna, S. island.	58° 15.6' N 11° 49.6' E	Fl.W.R.G. period 3s	13	W. 6 4 R. 4 G. 3	Red lantern.	G. 138°36'-157°18', W.-160°54', R.-178°, W.-292°24', G.-331°42', W.-336°12', R.-352°42'.
832 C 0417.5	Kollholm.	58° 16.3' N 11° 48.8' E	Iso.W.R.G. period 4s	52	W. 6 16 R. 4 G. 3	White tower; 23.	G. 152°-160°, W.-165°30', R.-169°30', G.-173°30', W.-176°, R.-198°, R. (unintensified)-254°, G. (unintensified)-308°30', G.-328°, W.-332°30', R.-345°, G.-152°.
836 C 0417	-Stora Deje.	58° 18.1' N 11° 48.3' E	Q.W.	20	4	White pedestal, lantern.	
840 C 0414	Stangen, on point.	58° 19.0' N 11° 48.9' E	Q.W.	22	4	White fiberglass structure.	Visible 013°48'-255°30'.
848.1 C 0414.5	-N. fairway limit.	58° 19.5' N 11° 50.6' E	FR.			Bridge.	Pylons and wires marked by FR. lights.
848.2 C 0414.5	-S. fairway limit.	58° 19.5' N 11° 50.7' E	FG.			Bridge.	Top of each pylon marked by Fl.R. lights.
852 C 0416	Uddevalla Range, front.	58° 20.9' N 11° 55.2' E	Iso.R. period 4s	49	10	White pole.	
856 C 0416.1	-Rear, 970 meters 060°18' from front.	58° 21.2' N 11° 56.2' E	Q.R.	112	10	Pole.	
860 C 0514	Ramholmen Range, front.	57° 51.5' N 11° 33.3' E	Iso.W. period 4s	34	9	White pedestal, white square daymark.	Visible on range line only.
864 C 0514.1	-Rear, 350 meters 312°30' from front.	57° 51.6' N 11° 33.0' E	Q.W.	60	8	White pedestal, black square daymark.	Visible on range line only.
868 C 0517	Stora Sillesund.	57° 51.5' N 11° 33.1' E	Q.W.R.G.	26	W. 4 8 R. 3 G. 2	Black and white tower; 16.	G. 255°-303°48', W.-306°, R.-180°.
872 C 0521	Lonnbacken.	57° 51.3' N 11° 33.2' E	Fl.W.R.G. period 3s	38	W. 8 12 R. 6 G. 5	White tower, black band, gray conical base; 39.	R. 094°-118°54', G.-146°36', W.-150°12', R.-213°12', W.-259°30', R.-308°24'.
876 C 0520	Lekskar.	57° 50.5' N 11° 35.6' E	Fl.(2)W.R.G. period 6s fl. 0.7s, ec. 1s fl. 0.7s, ec. 3.6s	24	W. 6 7 R. 4 G. 3	White lantern.	G. 312°12'-322°36', W.-331°42', R.-349°, obsc.-009°06', W.-165°42'.
884 C 0525	Salo.	57° 48.9' N 11° 37.2' E	Q.W.R.G.	26	W. 5 8 R. 3 G. 3	White pedestal.	G. 294°30'-333°, W.-339°12', R.-025°24', G.-150°06', W.-153°12', R.-163°.
886 C 0525.5	Stora Kalven.	57° 46.8' N 11° 43.5' E	Fl.W.R.G. period 3s	23	W. 6 7 R. 4 G. 3	White post.	G. 235°-257°, W.-260°, R.-275°, G.-299°30', W.-303°, R.-350°, G.-012°, W.-014°30', R.-044°, G.-103°, W.-107°, R.-145°. Shown Apr. 15 to Oct. 30.
888 C 0523	Stora Polsan.	57° 46.5' N 11° 31.4' E	L.Fl.W.R.G. period 8s fl. 2s, ec. 6s	59	W. 7 18 R. 5 G. 4	White tower, black band; 33.	G. 344°-350°30', W.-152°30', R.-208°, G.-275°, R.-278°, G.-304°, W.-308°, R.-344°.
892 C 0526	Kakholmen Range, front.	57° 46.1' N 11° 36.7' E	FR.	19	6	Post, white triangular daymark point up.	Fishing light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-WEST COAST							
896 C 0526.1	-Rear, 60 meters 098° from front.	57° 46.1' N 11° 36.8' E	F.R.	37 11	6	Post, white triangular daymark point down.	Fishing light.
916 C 0528	Stora Oset, E. side of islet.	57° 44.8' N 11° 36.6' E	Fl.(3)W.R.G. period 9s fl. 0.7s, ec. 1s fl. 0.7s, ec. 1s fl. 0.7s, ec. 4.9s	41 12	W. 8 R. 5 G. 4	White lantern.	G. 345°-024°, W.-048°30', R.-062°, G.-089°, W.-120°30', R.-163°, W. (unintensified)-228°, G. (unintensified)-254°, W. (unintensified)-261°, R. (unintensified)-280°, W. (unintensified)-345°. Sectors intensified 345°-163°.
920 C 0530	Kallo Knipplan Range, front.	57° 45.0' N 11° 39.2' E	F.G.	20 6		Column, white triangular daymark point up.	Fishing light.
924 C 0530.1	-Rear, 120 meters 334° from front.	57° 45.1' N 11° 39.2' E	F.G.	41 12		Column, white triangular daymark point down.	Fishing light.
928 C 0532	Bjorko Range, front.	57° 44.5' N 11° 40.0' E	Iso.W.R.G. period 3s	26 8	W. 11 W. 7 R. 5 G. 4	Red lantern.	G. (unintensified) 031°-100°, G.-112°, W.-119°, R.-128°. W. (intensified) on range line.
932 C 0532.1	-Rear, 740 meters 162°30' from front.	57° 44.1' N 11° 40.2' E	Q.W.	105 32	11	White lantern.	Visible on range line only.
936 C 0536	Hallsö Range, front.	57° 43.9' N 11° 39.7' E	Iso.W.R.G. period 4s	23 7	W. 10 R. 7 G. 6	White tower; 23.	G. 168°-177°, W.-185°, R.-210°, G. (unintensified)-239°, W. (unintensified)-257°, R. (unintensified)-280°, W.-338°, G.-349°, W.-353°, R.-004°.
940 C 0536.1	-Rear, 750 meters 331°30' from front.	57° 44.3' N 11° 39.3' E	Q.W.	56 17	13	White lantern.	Intensified on range line.
943 C 0574	Valskar.	57° 40.6' N 11° 40.1' E	Q.W.R.	13 4	W. 4 R. 3	White pedestal, lantern.	W. 228°-064°, R.-101°.
944 C 0557	Dannekroken Range, front.	57° 41.1' N 11° 40.4' E	Q.R.	26 8	8	Mast, white triangular daymark point up; 23.	
948 C 0557.1	-Rear, 300 meters 172° from front.	57° 41.0' N 11° 40.4' E	Iso.R. period 4s	44 13	8	Mast, white triangular daymark point down; 23.	
958 C 0556.5	Juthuvudets grund.	57° 42.2' N 11° 41.4' E	Fl.G. period 3s	20 6	2	Black framework structure.	
959 C 0556.3	Bo.	57° 42.2' N 11° 41.1' E	Q.W.	16 5	5		
960 C 0552	Lilla Varholmen Range, front.	57° 42.2' N 11° 42.3' E	Iso.W. period 3s	66 20	11	White column, pedestal, white square daymark.	Visible on range line only.
964 C 0552.1	-Rear, 180 meters 314° from front.	57° 42.3' N 11° 42.2' E	Iso.W.R.G. period 3s	95 29	W. 10 R. 5 G. 4	White lantern.	W. visible on range line only. R. 061°24'-079°30', G.-105°24', R.-114°36'. Synchronized with front. Shown Apr. 14 to Oct. 30.
968 C 0556	Stora Varholmen.	57° 41.7' N 11° 42.0' E	L.Fl.(2)W.R.G. period 12s fl. 2s, ec. 2s fl. 2s, ec. 6s	50 15	W. 13 R. 10 G. 9	Red lantern.	G. 320°30'-327°06', W.-332°30', R.-351°42', G.-005°42', W.-007°48', R.-036°24', W. (unintensified)-169°36'.
972 C 0558	Tangudden.	57° 41.6' N 11° 40.1' E	Iso.W.R.G. period 3s	15 5	W. 7 R. 5 G. 4	White lantern.	G. 191°-306°, W.-309°30', R.-326°.
974 C 0559	Ockero Range, front.	57° 42.4' N 11° 39.5' E	F.R.	21 6	2	Post, white triangular daymark point up.	Fishing light.
975 C 0559.1	-Rear, 285° 30' from front.	57° 42.4' N 11° 39.4' E	F.R.	36 11	2	Post, white triangular daymark point down.	Fishing light.
980	Mavholmsbadan, RACON.	57° 40.3' N 11° 42.4' E	M(- -)		3		(3 & 10cm).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-WEST COAST							
HONO ROD HARBOR:							
984 C 0546	-Hono Rod Range, front.	57° 42.0' N 11° 38.7' E	FR.	21 6	7	Orange triangular daymark point up, black border.	
988 C 0546.1	--Rear, 250 meters 128° from front.	57° 41.9' N 11° 38.9' E	FR.	39 12	7	Orange triangular daymark point down, black border.	
992 C 0560	Hono Huvud.	57° 41.4' N 11° 36.4' E	Fl.(2)W.R.G. period 6s	62 19	W. 8 R. 6 G. 5	White lantern.	G. 038°48'-062°, W.-149°, R.-206°, W.-277°48', G.-312°, W.-318°, R.-336°.
996 C 0561	Artholmen.	57° 41.5' N 11° 36.7' E	Q.W.R.G.	36 11	W. 6 R. 4 G. 3	White pedestal, lantern.	G. 315°18'-104°36', W.-117°36', R.-315°18'.
1000 C 0562.6	Tynneskar.	57° 40.7' N 11° 38.3' E	Fl.W.R.G. period 3s	23 7	W. 6 R. 4 G. 3	White pedestal, lantern, black base.	R. 333°-036°, G.-121°30', W.-124°, R.-153°, G.-333°.
1004 C 0563	Klava.	57° 40.7' N 11° 38.5' E	Iso.W.R.G. period 4s	14 4	W. 10 R. 8 G. 6	White lantern.	G. 277°30'-281°30', W.-285°, R.-017°, G.-040°, W.-043°30', R.-056°30', G.-090°, R.-105°.
1012 C 0562	Benskar, SE. side of island.	57° 39.9' N 11° 36.8' E	Fl.(3)W.R.G. period 9s	33 10	W. 6 R. 4 G. 3	White pedestal, lantern.	W. 050°-094°, R.-179°, G.-050°.
1016	Vinga Western Approach Buoy.	57° 38.9' N 11° 33.6' E	L.Fl.W. period 10s			SAFE WATER RW, pillar, topmark.	Radar reflector.
SWEDEN-KATTEGAT							
VINGA SAND:							
1020 C 0565	-Vinga.	57° 37.9' N 11° 36.1' E	Fl.(2)W. period 30s fl. 1s, ec. 7.5s fl. 1s, ec. 20.5s	151 46	25	Gray stone tower; 95.	Unintensified on westerly bearings. Traffic signals.
GOTEBORG APPROACH:							
1024 C 0569	-Trubaduren.	57° 35.7' N 11° 38.0' E	L.Fl.(3)W.R.G. period 30s fl. 3s, ec. 3.5s fl. 3s, ec. 3.5s fl. 3s, ec. 14s	79 24	14	Black tower, orange top, gray base; 82. Helicopter platform.	W. 005°30'-131°36', R.-163°30', G.-214°24', W.-237°12', R.-247°48', G.-005°30'.
			Iso.R. period 4s	59 18	9		Visible 064°-131°.
	-RACON		T(-)		14		(3 & 10cm).
1036 C 0620	-Svarta Baden.	57° 37.1' N 11° 45.5' E	Fl.W.R.G. period 6s fl. 0.7s, ec. 5.3s	21 6	W. 5 R. 3 G. 3	White pedestal.	G. 190°-237°06', W.-243°12', R.-315°54', G.-046°24', W.-050°30', R.-090°. Fishing light.
1040 C 0567	-Viten.	57° 38.1' N 11° 37.3' E	Iso.W.R.G. period 6s	36 11	W. 11 R. 10 R. 8 G. 7 G. 6	White lantern, white conical base; 30.	G. 250°-292°36', W.-296°12', R.-307°, R. (unintensified)-015°, G. (unintensified)-094°, G.-105°06', W.-117°54', R.-126°30', R. (unintensified)-132°.
1042 C 0564.5	-Kottstycket.	57° 38.4' N 11° 36.8' E	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	30 9	4	White concrete tower, red band; 20.	Radar reflector.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-KATTEGAT							
1044 C 0564	-Vinga Ungar, 732 meters NW. of Vinga.	57° 38.2' N 11° 35.5' E	Fl.(3)W.R.G. period 8s fl. 0.7s, ec. 1s fl. 0.7s, ec. 1s fl. 0.7s, ec. 3.9s	49 15	W. 7 R. 5 G. 4	Post.	G. 198°30'-266°24', W.- 269°12', R.-000°, G.- 099°, R.-198°30'.
1048 C 0566	-E. Range, front.	57° 38.0' N 11° 36.7' E	Oc.R. period 4s	31 9	R. 14 R. 7	White tower; 33.	Visible 176°-276°. Intensified on range line.
1052 C 0566.1	--Rear, 390 meters 253°54' from front.	57° 37.9' N 11° 36.4' E	Oc.R. period 4s	62 19	R. 14 R. 7	Red house, black gable, white band on two sides.	Visible 186°-286°. Intensified on range line. Synchronized with front.
1056 C 0619	-Stora Kanso.	57° 37.5' N 11° 44.7' E	Iso.W.R.G. period 3s	36 11	W. 5 R. 4 G. 3	Round hut, red roof, white lantern.	G. 275°-281°, R.-295°, W. (unintensified)-024°30', G. (unintensified)-096°, G.-104°, W.-107°, R.- 115°30', R. (unintensified)-136°30'.
1058 C 0618	-Svensholmen E.	57° 37.8' N 11° 46.2' E	Fl.W. period 5s	10 3	2		
1064 C 0570	-Buskars Knot.	57° 38.3' N 11° 41.0' E	Fl.(3)W.R.G. period 9s	39 12	W. 7 R. 5 G. 4	Orange tower; 39. Floodlit.	W. 013°12'-026°42', R.-088°, G.-182°, W.-192°54', R.- 350°36', G.-013°12'.
	-RACON		K(- • -) period 30s		5		(3 & 10cm).
1066	-Trinda Brunskar, RACON.	57° 38.7' N 11° 43.4' E	T(-)		5		
1068 C 0577	-Tanneskar, E. point.	57° 39.5' N 11° 39.5' E	Iso.W.R.G. period 3s	29 9	W. 10 R. 7 G. 6	White lantern.	G. 227°-233°06', W.-239°06', R.-249°30', G.-256°42', W.-260°54', R.-285°, G.- 359°.
1075 C 0571	-Botto.	57° 39.0' N 11° 43.2' E	L.Fl.W. period 10s			White structure, green band.	
1080 C 0571.6	-Vasskarsgrund.	57° 39.2' N 11° 43.3' E	V.Q.W.R. period 8s	36 11	W. 13 R. 10	Red tower, white top, gray structure, red roof; 39.	W. 237°-090°24', R.-097°.
	-RACON		B(- • • •) period 20s		4		(3 & 10cm).
1088 C 0573	-Gaveskar.	57° 39.7' N 11° 46.1' E	Q.R.	33 10	4	White tower, red band; 33. Floodlit.	Visible 202°12'-146°.
1092 C 0575	-Skadden Rock.	57° 41.0' N 11° 44.9' E	Q.W.	16 5	3	Pedestal.	
1124.2 C 0583	-Alvsborgshammen Range, front.	57° 41.4' N 11° 49.7' E	F.R.	39 12	2	Mast, red triangular daymark point up.	Marks limit between 11 and 9 meter depths.
1124.21 C 0583.1	--Rear, 168 meters 275° from front.	57° 41.4' N 11° 49.6' E	F.R.	49 15	2	Mast, red triangular daymark point down.	
1124.5 C 0583.5	-Alvshorashammen Ro Ro Range in line 029°42', front.	57° 41.6' N 11° 50.8' E	F.R.				
1124.6 C 0583.51	--Rear, 160 meters from front.	57° 41.7' N 11° 50.8' E	F.R.				
1132 C 0656	-Langedrag.	57° 40.0' N 11° 50.6' E	Q.R.	16 5	6	Metal tower.	Shown from May 1 to Oct. 31. Occasional.
1144 C 0589	-Billigen.	57° 41.2' N 11° 52.9' E	Fl.(2)W. period 6s	17 5	7	Dolphin.	Shown from Jul. 6 to Jun. 6.
GOTEBORG (GOTHEBURG):							
1148 C 0594	-Skeppsbron.	57° 42.2' N 11° 57.1' E	Fl.(2)W. period 6s	17 5	6	Dolphin.	Shown from Jul. 6 to Jun. 6.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-KATTEGAT							
1152 <i>C 0624</i>	-Donso, Svartskar, W. head.	57° 35.2' N 11° 43.3' E	Fl.(2)W.R.G. period 6s fl. 0.3s, ec. 1s fl. 0.3s, ec. 4.4s	36 11	W. 6 R. 5 G. 4	White pedestal.	G. 345°-043°, W.-143°30', R.- 201°30', G.-261°30', W.- 266°, R.-345°.
1156 <i>C 0623</i>	-Karholmeskar.	57° 35.3' N 11° 46.1' E	Fl.W.R.G. period 3s	26 8	W. 4 R. 3 G. 2	White pedestal.	G. 253°24'-085°36', W.- 089°12', R.-102°42'.
1160 <i>C 0625</i>	Tistlarna.	57° 30.6' N 11° 43.6' E	Fl.(4)W.R. period 12s fl. 0.3s, ec. 1.4s fl. 0.3s, ec. 1.4s fl. 0.3s, ec. 1.4s fl. 0.3s, ec. 6.6s	75 23	W. 10 R. 8	Yellow castellated building.	R. 104°06'-350°42', W.- 104°06'.
1164 <i>C 0626</i>	Matskar.	57° 30.5' N 11° 44.7' E	Q.W.R.G.	33 10	W. 5 R. 3 G. 3	White pedestal.	G. 214°-227°, W.-237°, R.- 310°, G.-003°, W.-016°, R.-045°. Fishing light.
1166 <i>C 0659</i>	Lerkils.	57° 27.5' N 11° 55.1' E	Iso.W.R.G. period 8s	16 5	W. 5 R. 3 G. 2	White square pillar, lantern; 7.	G. 085°-093°, W.-098°, R.- 118°.
1168 <i>C 0658</i>	Kungen.	57° 26.9' N 11° 49.9' E	Fl.(3)W.R.G. period 9s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 4.2s	41 12	W. 9 R. 7 G. 6	White tower, black band; 26.	G. 007°36'-064°06', W.- 113°24', R.-200°, G.- 339°, W.-342°, R.- 007°36'.
1172 <i>C 0660</i>	Hallands Svartskar.	57° 22.4' N 11° 51.3' E	Fl.W.R.G. period 3s fl. 0.8s, ec. 2.2s	33 10	W. 9 R. 7 G. 6	White tower; 23.	G. 165°-174°, W.-179°, R.- 197°, R. (unintensified)- 260°, G. (unintensified)- 264°, W. (unintensified)- 266°, R. (unintensified)- 287°, R.-295°30', G.- 324°, W.-328°, R.-340°, G.-353°, W.-000°, R.- 017°.
GOTEBORG APPROACH:							
1176 <i>C 0628</i>	-Valo.	57° 33.0' N 11° 48.1' E	L.Fl.W.R.G. period 8s fl. 2s, ec. 6s	49 15	W. 9 R. 7 G. 6	White tower, green band; 33.	R. (unintensified) 170°-174°, R.-178°30', G.-270°, W.- 271°30', R.-291°30', G.- 344°, W.-345°30', R.- 354°30', G.-001°30', W.- 006°, R.-033°, G.-039°.
1180 <i>C 0630</i>	-Rattaren.	57° 34.8' N 11° 48.2' E	Fl.W.R.G. period 3s	16 5	W. 6 R. 4 G. 3	White structure, green base.	G. 205°-211°30', W.-215°30', R.-327°, G.-350°, W.- 357°30', R.-034°.
1184 <i>C 0632</i>	-Donsohuvud.	57° 35.7' N 11° 49.0' E	Fl.W.R.G. period 3s	16 5	W. 9 R. 7 G. 6	White lantern.	G. 185°30'-191°54', W.-196°, R.-315°, G.-023°, W.- 025°, R.-037°30'.
1188 <i>C 0636</i>	-Knarrholmen.	57° 37.2' N 11° 49.4' E	Fl.(2)W.R.G. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	13 4	W. 10 R. 7 G. 6	Red lantern. Floodlit.	G. 000°-004°30', W.-005°30', R.-032°30', W. (unintensified)-142°30', G.-164°, W.-166°30', R.- 173°.
1196 <i>C 0634</i>	-Lilla Sjöholmen.	57° 37.1' N 11° 51.0' E	Fl.W. period 6s	19 6		White pedestal.	Fishing light.
1200 <i>C 0644</i>	-Langholmen (Ganle bukten).	57° 37.7' N 11° 52.4' E	Fl.R. period 3s	6 2		Dolphin.	Fishing light. Shown Oct. 1 to Mar. 31.
1208 <i>C 0652</i>	-Rivo, E. extremity.	57° 39.6' N 11° 48.3' E	Fl.W.R.G. period 3s fl. 0.7s, ec. 2.3s	7 2	W. 6 R. 4 G. 3	White wooden hut.	G. 169°30'-172°12', W.- 177°36', R.-199°06', W.- 326°24', G.-340°, W.- 345°24', R.-351°54'.
1212 <i>C 0650</i>	-Skifteskar.	57° 39.1' N 11° 49.1' E	Fl.(3)W.R.G. period 9s fl. 0.7s, ec. 1.2s fl. 0.7s, ec. 1.2s fl. 0.7s, ec. 4.5s	26 8	W. 6 R. 4 G. 3	Orange tower, lantern.	G. 312°54'-357°06', W.-097°, R.-175°, G.-217°, W.- 220°30', R.-312°54'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-KATTEGAT							
1216 C 0654	-Smorbadan.	57° 39.4' N 11° 49.7' E	Q.W.R.G.	16 5	W. 6 R. 4 G. 3	White pedestal.	G. 000°48'-035°54', W.-042°24', R.-107°30', G.-204°, W.-206°, R.-262°48', G.-311°36', W.-319°06', R.-000°48'.
1228 C 0670	Nidingen.	57° 18.1' N 11° 54.0' E	Fl.(2+1)W.R. period 27s	83 25	W. 22 R. 18	White tower, black band; 75.	R. 018°-039°, W.-018°. Light shown 24 hours from Nov. 1 to Mar. 31.
1232 C 0666	Lilleland Rev.	57° 18.4' N 11° 55.6' E	Iso.W.R.G. period 3s	62 19	W. 10 R. 7 G. 6	Black tower, white band, gray conical base, white lantern; 69. Floodlit.	G. 235°-333°, W.-003°, R.-125°, G.-159°30', W.-161°, R.-235°. Light shown 24 hours from Nov. 1 to Mar. 31.
1236 C 0673	Malo.	57° 20.2' N 11° 57.7' E	Fl.(3)W.R.G. period 9s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 5.7s	32 10	W. 8 R. 6 G. 5	White concrete tower; 30.	G. 316°-341°, W.-019°, R.-030°, G.-059°30', W.-091°, R.-106°.
1240 C 0664	-Hamn, E. side of Skallanas entrance.	57° 21.4' N 11° 59.0' E	Fl.(2)W.R.G. period 6s fl. 0.3s, ec. 0.9s fl. 0.3s, ec. 4.5s	16 5	W. 7 R. 5 G. 4	White lantern.	G. 342°-357°, W.-008°30', R.-029°, G.-095°, W.-135°, R.-209°. Occasional.
1244 C 0674	Fjordskar, at entrance to Kungsbackafjorden.	57° 21.1' N 12° 01.1' E	Fl.W.R.G. period 3s fl. 0.7s, ec. 2.3s	33 10	W. 7 R. 5 G. 4	White lantern, gray stone base.	G. 157°-194°30', W.-201°, R.-318°, G.-002°30', W.-029°, R.-038°30'.
1256 C 0680	-Kungsbacka.	57° 27.2' N 12° 03.7' E	Fl.W.R.G. period 3s fl. 0.5s, ec. 2.5s	20 6	W. 3 R. 1 G. 1	Dolphin.	G. 270°-357°30', W.-001°, R.-090°, W.-270°. Shown May 1 to Nov. 30.
1260 C 0683.4	Sallebecke Range, front.	57° 16.8' N 12° 08.4' E	FR.	20 6	3	Mast, white triangular daymark point up.	Fishing light.
1264 C 0683.5	-Rear, 80 meters 145° from front.	57° 16.8' N 12° 08.4' E	FR.	30 9	3	Mast, white triangular daymark point down.	Fishing light.
1268 C 0682	Krogstadsudde Batfjorden.	57° 14.5' N 12° 05.9' E	Fl.(4)W.R.G. period 12s fl. 0.7s, ec. 1.4s fl. 0.7s, ec. 1.4s fl. 0.7s, ec. 1.4s fl. 0.7s, ec. 5s	49 15	W. 5 R. 3 G. 3	White wooden tower; 23.	G. 038°36'-079°, W.-090°30', R.-180°, W. (unintensified)-290°. Fishing light.
1272 C 0682.6	Ringhals Range, front.	57° 15.1' N 12° 07.3' E	Iso.G. period 3s	10 3	5	Pillar, red triangular daymark point up, white border.	
1276 C 0682.61	-Rear, 175 meters 056°18' from front.	57° 15.2' N 12° 07.5' E	Iso.G. period 3s	21 6	5	Pillar, red triangular daymark point down, white border.	Marks S. edge of channel.
1280 C 0682.7	-Grona Range, front.	57° 15.1' N 12° 07.3' E	Iso.R. period 3s	10 3	5	Red triangular daymark point up, white border.	
1284 C 0682.71	--Rear, 175 meters 056°18' from front.	57° 15.2' N 12° 07.4' E	Iso.R. period 3s	21 6	5	Red triangular daymark point down, white border.	Marks N. edge of channel.
1285 C 0682.5	-Ringhals Range, front.	57° 15.1' N 12° 07.3' E	Iso.W. period 3s	16 5	10	Post, red diamond daymark, white border.	
1285.1 C 0682.51	--Rear, 170 meters 056°24' from front.	57° 15.2' N 12° 07.5' E	Iso.W. period 3s	26 8	10	Post, red diamond daymark, white border.	Marks center of channel.
1288 C 0683	Buhamn Range, front.	57° 14.4' N 12° 06.9' E	FR.	20 6	5	Mast, white triangular daymark point up, orange border.	Fishing light.
1292 C 0683.1	-Rear, 100 meters 127° from front.	57° 14.4' N 12° 07.0' E	FR.	33 10	5	Mast, white triangular daymark point down, orange border.	Fishing light.
1294 C 0683.2	-Olai Rose Roda Range front.	57° 14.8' N 12° 06.0' E	FG.	33 10	2	Mast, white triangular daymark point up, orange border.	
1295 C 0683.21	--Rear, 82 meters 307° from front.	57° 14.8' N 12° 05.9' E	FG.	43 13	2	Mast, white triangular daymark point down, orange border.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-KATTEGAT							
1296 C 0671	Fladen.	57° 12.9' N 11° 49.7' E	L.F.I.W. period 8s fl. 2s, ec. 6s	78 24	9	Black tower, red top, gray base; 85. Floodlit.	
			F.I.Y. period 3s				Security light.
	RACON		N(- •)		15		(3 & 10cm).
1300 C 0684	Klaback.	57° 09.1' N 12° 06.5' E	Fl.(2)W.R.G. period 6s fl. 0.7s, ec. 1s fl. 0.7s, ec. 3.6s	46 14	W. 7 R. 5 G. 4	White lantern.	W. 333°12'-156°30', R.- 313°36', G.-333°12'.
VARBERG:							
1304 C 0692	-E. Range, No 1, front.	57° 07.0' N 12° 14.3' E	Iso.W. period 2s	33 10	10	Concrete post, white triangular daymark point up.	Synchronized with 1312.
1308 C 0692.1	--Rear, No 3, 340 meters 019°24' from front.	57° 07.2' N 12° 14.5' E	Iso.W. period 2s	46 14	10	Concrete post, white triangular daymark point down.	Marks E. edge of outer channel. Synchronized with front.
1312 C 0693	-W. Range, No 2, front.	57° 07.1' N 12° 14.3' E	Iso.W. period 2s	33 10	10	Concrete post, white triangular daymark point up.	Synchronized with 1304.
1316 C 0693.1	--Rear, No 4, 340 meters 019°18' from front.	57° 07.2' N 12° 14.4' E	Iso.W. period 2s	46 14	10	Concrete post, white triangular daymark point down.	Marks W. edge of outer channel. Synchronized with front.
1320 C 0698.4	-Red Range, front.	57° 06.9' N 12° 14.9' E	Oc.R. period 4s lt. 3s, ec. 1s	49 15	6	Mast, white triangular daymark point up.	Synchronized with 1328.
1324 C 0698.5	--Rear, 100 meters 070°18' from front.	57° 06.9' N 12° 14.9' E	Oc.R. period 4s lt. 3s, ec. 1s	66 20	6	Mast, white triangular daymark point down.	Marks N. edge of inner channel. Synchronized with front.
1328 C 0698	-Green Range, front.	57° 06.8' N 12° 14.9' E	Oc.G. period 4s lt. 3s, ec. 1s	49 15	6	Mast, white triangular daymark point up.	Synchronized with 1320.
1332 C 0698.1	--Rear, 100 meters 065°42' from front.	57° 06.9' N 12° 06.9' E	Oc.G. period 4s lt. 3s, ec. 1s	66 20	6	Mast, white triangular daymark point down.	Marks S. edge of inner channel. Synchronized with front.
1340 C 0704	-Subberget.	57° 05.3' N 12° 14.2' E	L.Fl.(2)W.R.G. period 30s fl. 5s, ec. 5s fl. 5s, ec. 15s	85 26	W. 17 R. 14 G. 12	White cylindrical concrete tower; 46.	G. 342°-016°36', W.-106°42', R.-157°06', W. (unintensified)-205°.
1344 C 0706	Traslov.	57° 03.4' N 12° 16.1' E	Fl.(3)W.R.G. period 9s fl. 0.7s, ec. 1.2s fl. 0.7s, ec. 1.2s fl. 0.7s, ec. 4.5s	29 9	W. 9 R. 7 G. 6	White pedestal, lantern. Floodlit.	G. 351°-058°, W.-091°30', R.- 119°.
1348 C 0708	Galtaback Range, front.	57° 01.5' N 12° 18.6' E	F.R.	16 5	7	White pedestal, lantern.	Visible on range line only. Shown when required.
1352 C 0708.1	-Rear, 250 meters 084°30' from front.	57° 01.6' N 12° 18.8' E	F.R.	42 13	7	Post, white triangular daymark point down.	Visible on range line only. Shown when required.
1356 C 0714	Glommen.	56° 55.7' N 12° 20.9' E	Fl.W.R.G. period 3s fl. 0.6s, ec. 2.4s	31 9	W. 6 R. 4 G. 3	White pedestal, base, lantern.	G. 296°-021°, W.-028°, R.- 036°, G.-056°30', W.- 075°, R.-172°.
1360 C 0716	Morups Tange.	56° 55.4' N 12° 21.6' E	Oc.W.R.G. period 8s lt. 6s, ec. 2s	96 29	W. 18 R. 15 G. 13	White cylindrical stone tower, black band; 92.	G. 300°-326°, W.-148°42', R.- 180°. Shown by day, Nov. 1 to Mar. 31.
	RACON		M(- -)		17		(3 & 10cm).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-KATTEGAT							
FALKENBERGS HAMN:							
1368 C 0722	-W. breakwater, head.	56° 52.9' N 12° 28.0' E	L.FI.W.R.G. period 8s fl. 2s, ec. 6s	36 11	W. 11 R. 9 G. 8	White tower, red bands. Floodlit.	W. (unintensified) 199°42'- 256°54', R.-352°06', G.- 016°48', W.-033°54', R.- 105°12'.
1372 C 0724	-Range, front, W. side.	56° 53.4' N 12° 28.5' E	Iso.W. period 3s	39 12		Mast, red triangular daymark point up.	Marks W. edge of channel.
1376 C 0724.1	--Rear, 360 meters 032°30' from front.	56° 53.6' N 12° 28.8' E	Iso.W. period 3s	72 22		Mast, red triangular daymark point down.	Synchronized with front.
1380 C 0726	-Range, front, E. side.	56° 53.4' N 12° 28.5' E	Iso.W. period 3s	39 12		Mast, red triangular daymark point up.	Marks E. edge of channel.
1384 C 0726.1	--Rear, 360 meters 032°30' from front.	56° 53.6' N 12° 28.7' E	Iso.W. period 3s	72 22		Mast, red triangular daymark point down.	Synchronized with front.
1396 C 0728.2	-Inner harbor Range, front, S. side.	56° 53.5' N 12° 29.4' E	F.G.	36 11		Mast, red triangular daymark point up.	Marks S. edge of channel.
1400 C 0728.3	--Rear, 120 meters 061° from front.	56° 53.6' N 12° 29.5' E	F.G.	49 15		Mast, red triangular daymark point down.	
1401 C 0734	Skalkroken Roda Range, front.	56° 44.0' N 12° 38.6' E	F.R.	13 4		Post, white triangular daymark point up, red border.	
1401.1 C 0734.1	-Rear, 200 meters 044° from front.	56° 44.0' N 12° 38.7' E	F.R.	26 8		Post, white triangular daymark point down, red border.	
1403 C 0734.2	Skalkroken Grona Range, front.	56° 43.7' N 12° 38.7' E	F.G.	10 3		Post, white triangular daymark point up, red border.	
1403.1 C 0734.21	-Rear, 40 meters 110° from front.	56° 43.7' N 12° 38.8' E	F.G.	16 5		Post, white triangular daymark point down, red border.	
1404 C 0735	Tylogrund.	56° 38.2' N 12° 42.2' E	L.FI.(3)W.R.G. period 30s fl. 3s, ec. 3s fl. 3s, ec. 3s fl. 3s, ec. 15s	73 22	W. 9 R. 7 G. 6	Red tower, white top; 75.	R. 141°-274°, G.-294°, W.- 141°. Shown by day, Nov. 1 to Mar. 31.
			FI.W. period 3s	33 10			
1408 C 0737	Grotvik.	56° 38.4' N 12° 46.8' E	Q.W.R.G.	20 6	W. 8 R. 6 G. 5	Pedestal.	G. 215°-312°, W.-019°, G.- 043°, W.-077°, R.-135°.
HALMSTAD HAMN:							
1412	-Entrance Buoy.	56° 37.0' N 12° 48.0' E	L.FI.W. period 10s	13 4		Red and white buoy.	Radar reflector.
1416 C 0738	-Halmstad, breakwater.	56° 38.9' N 12° 50.2' E	Q.(2)W.R.G. period 6s	46 14	W. 13 R. 10 G. 9	White framework tower, red bands; 33. Floodlit.	R. 269°12'-312°06', G.- 016°54', W.-050°42', R.- 090°24', W.-269°12'.
1420 C 0746	-Oil Harbor Range, front.	56° 39.3' N 12° 51.6' E	F.G.	26 8		Post, orange triangular daymark point up.	
1424 C 0746.1	--Rear, about 400 meters 073° from front.	56° 39.4' N 12° 52.0' E	F.G.	36 11		Post, orange triangular daymark point down.	
1426	-Vastra Rannkatan.	56° 39.2' N 12° 50.9' E	FI.(3)R. period 6s			3 Perch.	
1428 C 0739	-Western Range, front.	56° 39.6' N 12° 50.9' E	Iso.R. period 2s	26 8		Post, white triangular daymark point up.	Visible on range line only. Synchronized with 1436.
1432 C 0739.1	--Rear, 320 meters 037° from front.	56° 39.7' N 12° 51.0' E	Iso.R. period 2s	43 13		Post, white triangular daymark point down.	Visible on range line only. Marks W. edge of channel. Synchronized with front.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-KATTEGAT							
1436 C 0740	-E. Range, front.	56° 39.5' N 12° 50.9' E	Iso.G. period 2s	6 2	13	Post, white triangular daymark point up.	Visible on range line only. Synchronized with 1428.
1440 C 0740.1	--Rear, 350 meters 037° from front.	56° 39.6' N 12° 51.1' E	Iso.G. period 2s	26 8	13	Post, white triangular daymark point down.	Visible on range line only. Marks E. edge of channel. Synchronized with front.
1441 C 0739.4	-Inner Harbor Range, front.	56° 39.8' N 12° 51.5' E	Iso.R. period 4s	16 5	7	Mast, red square daymark.	
1442 C 0739.5	--Rear, 200 meters 030°24' from front.	56° 39.9' N 12° 51.5' E	Iso.R. period 4s	26 8	7	Mast, red square daymark.	
1444 C 0752	Bastad Range, front.	56° 26.1' N 12° 50.5' E	F.R.	26 8	9	Post, white diamond daymark.	Visible on range line only.
1448 C 0752.1	-Rear, 60 meters 221°54' from front.	56° 26.1' N 12° 50.5' E	F.R.	39 12	9	Post, white diamond daymark.	Visible on range line only.
1452 C 2242	Hallands Vadero.	56° 27.0' N 12° 32.5' E	Mo.(A)W. period 10s	68 21	12	White cylindrical metal tower; 43.	Visible 335°-285°.
1456 C 2246	Vingaskar.	56° 25.4' N 12° 35.5' E	Fl.(3)W.R.G. period 9s	34 10	W. 6 R. 4 G. 3	White lantern.	G. 164°-195°, W.-218°24', R.- 285°30', G.-348°18', W.- 046°30', R.-060°54'.
TOREKOV:							
1460 C 2252	-Telephone cable range, front.	56° 25.5' N 12° 37.3' E	F.G.	49 15	4	Cable beacon.	Visible on range line only.
1464 C 2252.1	--Rear, 700 meters 088° from front.	56° 25.5' N 12° 38.0' E	F.G.	82 25	4	Cable beacon.	Visible on range line only.
1468 C 2248	-On rock in harbor, front.	56° 25.7' N 12° 37.9' E	F.R.	27 8	6	Mast, white triangular daymark point up.	Visible on range line only.
1472 C 2248.1	--Rear, 40 meters 124°30' from front.	56° 25.8' N 12° 38.1' E	F.R.	33 10	6	Mast, white triangular daymark point down.	Visible on range line only.
1476 C 2254	Ramsjo Hamn Roda Range front.	56° 23.1' N 12° 39.8' E	F.R.	16 5	2	Post, white triangular daymark point up.	Fishing light.
1480 C 2254.1	-Rear, 160 meters 355° from front.	56° 23.1' N 12° 39.8' E	F.R.	33 10	2	Post, white triangular daymark point down.	Fishing light.
1484 C 2254.4	-Grona Range, front.	56° 23.1' N 12° 39.7' E	F.G.	18 5	2	Post, white triangular daymark point up.	Fishing light.
1488 C 2254.5	--Rear, 110 meters 326° from front.	56° 23.1' N 12° 39.6' E	F.G.	36 11	2	Post, white triangular daymark point down.	Fishing light.
1492 C 2258.4	Angelholm, N. jetty.	56° 16.4' N 12° 49.9' E	Fl.R. period 3s	10 3	5	Post. Floodlit.	
1496 C 2258.6	-S. jetty.	56° 16.3' N 12° 49.9' E	Fl.(2)G. period 6s	10 3	4	Post. Floodlit.	
1500 C 2258	Angelholm Range, front.	56° 16.3' N 12° 50.5' E	F.G.	26 8	7	Post.	Visible on range line only.
1504 C 2258.1	-Rear, 110 meters 099° from front.	56° 16.3' N 12° 50.5' E	F.G.	36 11	7	Post.	Visible on range line only.
1508 C 2259	Svanshall, on W. mole.	56° 15.1' N 12° 39.8' E	F.W.R.G.	20 6	W. 7 R. 5 G. 4	White framework tower.	R. 129°-154°, G.-225°, W.- 270°, R.-300°. Fishing light. Shown Jul. 15 to May 15.
1512 C 2259.5	Arildslage, pierhead, fishing harbor.	56° 16.5' N 12° 34.5' E	Iso.W.R.G. period 4s	21 6	W. 9 R. 6 G. 5	White post.	G. 120°-232°, W.-250°, R.- 290°. Fishing light. Occasional.

Section 2

East Coast of Denmark and Flensburger Forde Including Lillebaelt

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-KATTEGAT							
1520 C 0001	Skagen, W.	57° 44.9' N 10° 35.7' E	Fl.(3)W.R. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	102 31	W. 14 R. 11	White cylindrical tower; 82.	W. 053°-248°, R.-323°. DGPS Station.
1524 C 0002	Skagen.	57° 44.1' N 10° 37.8' E	Fl.W. period 4s fl. 0.5s, ec. 3.5s	144 44	20	Gray cylindrical tower; 151.	
	RACON		G(- - •)				(3 & 10cm).
SKAGEN HAVN:							
1536	-W. breakwater, E. head.	57° 43.0' N 10° 36.0' E	Fl.R. period 3s fl. 0.7s, ec. 2.3s	26 8	5	Red tower; 23.	
1540 C 0004.4	-E. breakwater, SW. head.	57° 42.9' N 10° 35.7' E	F.G.	26 8	5	Green tower; 23.	
1544 C 0004	--NE. head.	57° 43.3' N 10° 36.4' E	F.W.	20 6	6	Gray mast; 7.	
1548 C 0006	-Forhavn, SW. mole, head.	57° 43.0' N 10° 35.6' E	FR.	16 5	2	Gray post; 7.	
1552	--NE. mole, head.	57° 43.0' N 10° 35.6' E	F.G.	16 5	2	Gray mast; 7.	
1556 C 0009	-Inner W. mole, head.	57° 43.1' N 10° 35.6' E	FR.	19 6		Post.	
1560 C 0010	-Inner E. mole, head.	57° 43.1' N 10° 35.6' E	F.G.	19 6		Post.	
1564	-Osthavn, SE. mole.	57° 43.0' N 10° 36.0' E	F.G.	13 4	4	Gray pipe mast.	
1568	--NW. mole.	57° 43.0' N 10° 35.8' E	FR.	13 4	4	Gray pipe mast.	
AALBAEK HAVN:							
1572 C 0017	-S. mole, head.	57° 36.0' N 10° 26.0' E	FR.	19 6	2	Mast; 13.	
1576 C 0016	-N. mole, head.	57° 35.5' N 10° 25.7' E	F.G.	19 6	2	Mast; 13.	
HIRSHOLM:							
1584 C 0020	Hirsholm.	57° 29.1' N 10° 37.5' E	Fl.(3)W. period 30s fl. 1.2s, ec. 4.8s fl. 1.2s, ec. 4.8s fl. 1.2s, ec. 16.8s	98 30	22	Cylindrical granite tower; 89.	
			F.W.R.				W. 007°36'-013°30', R.- 016°24'.
1588 C 0024	-Havn, S. mole, head.	57° 29.0' N 10° 37.0' E	Iso.W.R.G. period 2s	16 5	W. 5 R. 4 G. 4	White octagonal hut, green band; 7.	W. 078°36'-090°30', R.-180°, G.-078°36'. Solar panels cover S. side of structure.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-KATTEGAT							
1592 C 0027	Strandby Havn, inner S. mole.	57° 29.7' N 10° 30.6' E	F.R.	23 7	4	Red metal framework tower; 16.	
1593 C 0027.3	-Mole, head.	57° 29.7' N 10° 30.4' E	Fl.R. period 5s fl. 1s, ec. 4s	33 10	5	Red metal framework tower; 26.	
1596 C 0026	-Inner N. mole.	57° 29.6' N 10° 30.5' E	F.G.	23 7	4	Green metal framework tower; 16.	
1597 C 0026.3	-Mole, head.	57° 29.7' N 10° 30.4' E	Fl.G. period 5s fl. 1s, ec. 4s	33 10	5	Green metal framework tower; 26.	Siren: 1 bl. ev. 60s (bl. 15s, si. 45s). Sounded in reduced visibility.
1598 C 0025	--Strandby Harbor Range, front.	57° 29.6' N 10° 30.3' E	Iso.W. period 2s	26 8	6	Gray framework tower, green triangular daymark point up; 26.	Visible 185°12'-320°12'.
1598.1 C 0025.1	---Rear, 268 meters 252°42' from front.	57° 29.6' N 10° 30.1' E	Iso.W. period 2s	36 11	6	Gray framework tower, green triangular daymark point down; 52.	Visible 185°12'-320°12'. Synchronized with front.
FREDERIKSHAVN:							
1602 C 0029.5	-Approach light.	57° 26.2' N 10° 32.5' E	Oc.W.R.G. period 10s lt. 8s, ec. 2s	46 14	9		G. 305°48'-308°18', W.-310°18', R.-312°48'.
1606	-Approach Buoy.	57° 25.1' N 10° 35.7' E	Iso.W. period 4s			SAFE WATER RW, pillar, topmark.	
	-RACON		T(-)		7		(3 & 10cm).
1608 C 0028	-NE. breakwater, head.	57° 26.0' N 10° 33.0' E	Fl.G. period 3s	23 7	7	Metal post, green band.	Shown 24 hours.
1610 C 0029	-S. outer mole, head.	57° 25.9' N 10° 33.1' E	Fl.R. period 3s	23 7	7	Metal post, red band.	Shown 24 hours.
1612 C 0031	-S. inner mole, head.	57° 26.1' N 10° 32.8' E	F.R.	20 6	1	Red framework tower, 3.	Shown 24 hours.
1616 C 0031.2	-N. inner mole, head.	57° 26.1' N 10° 32.9' E	F.G.	20 6	1	Green framework mast, 7.	Shown 24 hours.
1628 C 0032	-Fladehavn, E. mole, head.	57° 26.0' N 10° 32.8' E	Fl.R. period 5s fl. 1s, ec. 4s	14 4	4	Red tower; 7.	Visible 006°-280°.
1630 C 0027.6	-Ronnerhavn.	57° 28.0' N 10° 32.5' E	Fl.G. period 3s fl. 0.8s, ec. 2.2s	14 4	4	Gray mast.	
1632 C 0033	--W. mole, head.	57° 26.0' N 10° 32.8' E	Fl.G. period 5s fl. 1s, ec. 4s	14 4	4	Green tower; 7.	Visible 129°-069°.
SAEBY HAVN:							
1636 C 0034	-N. outer mole, head.	57° 20.0' N 10° 32.2' E	Fl.G. period 3s fl. 0.8s, ec. 2.2s	19 6	5	Green mast; 13.	
1640 C 0036	-S. outer mole, head.	57° 20.0' N 10° 32.2' E	Fl.R. period 3s fl. 0.8s, ec. 2.2s	20 6	5	Red framework mast; 13.	
1644 C 0038	-N. inner mole, head.	57° 20.0' N 10° 32.0' E	F.G.	20 6	5	Green mast; 13.	
1646	Route T, buoy No. 3.	57° 28.0' N 11° 25.0' E	Iso.W. period 4s			SAFE WATER RW, pillar, topmark.	
	RACON		K(- -)		10		(3 & 10cm).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-KATTEGAT							
LAESO:							
1648 C 0044	-Nordre Ronner, on Spirholm.	57° 21.6' N 10° 55.4' E	Fl.W. period 15s fl. 0.3s, ec. 14.7s	53 16	14	Cylindrical granite tower; 59.	
1652 C 0057	-Syrodde.	57° 18.8' N 11° 11.8' E	Fl.W.R. period 3s fl. 0.8s, ec. 2.2s	39 12	W. 8 R. 5	Gray framework tower; 30.	W. 011°-337°30', R.-011°.
1656 C 0054	-Osterby Havn, E. mole, head.	57° 19.3' N 11° 07.6' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	33 10	W. 8 R. 5 G. 5	White post; 16. Floodlit.	W. 127°-191°, R.-090°, G.-127°.
1660 C 0055	--Outer mole, E. head.	57° 19.4' N 11° 07.6' E	Fl.G. period 3s				
1664 C 0048	-Vestero Havn, W. mole, head.	57° 17.9' N 10° 55.3' E	Fl.G. period 3s fl. 0.8s, ec. 2.2s	23 7	5	Green round tower; 16.	
1668 C 0049	--Sandtrap.	57° 17.9' N 10° 55.3' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	13 4	5	Gray post; 7.	
1672 C 0050	-Vestero Havn Range, front.	57° 17.9' N 10° 55.4' E	Iso.R. period 2s	23 7	3	Red framework tower, red triangular daymark point up; 16.	
1676 C 0050.1	--Rear, 347 meters 136° from front.	57° 17.8' N 10° 55.6' E	Iso.R. period 4s	46 14	3	Framework tower, red triangular daymark point down; 23.	
1696 C 0061	-Laeso Rende.	57° 13.1' N 10° 40.3' E	Fl.(2)W. period 10s	89 27	6	White cylindrical concrete tower, black base; 85.	
	-RACON		Q(- - • -)				Azimuth coverage 154°-056°. (3 & 10cm).
1724 C 0066.8	-Svitringen Rende S.	56° 51.0' N 10° 36.3' E	Fl.W. period 3s fl. 0.8s, ec. 2.2s	43 13	8	Red tower, white stripes; 49.	
LIMFJORDEN ENTRANCE:							
1732 C 0067	-No 8.	56° 52.9' N 10° 33.0' E	Fl.R. period 3s fl. 0.7s, ec. 2.3s	36 11	5	Red tower; 33.	
1736 C 0067.2	-No 13.	56° 54.4' N 10° 30.6' E	Fl.G. period 5s fl. 1s, ec. 4s	33 10	6	Green tower; 33.	
1742 C 0065	-Hou, N. mole.	57° 03.4' N 10° 23.0' E	Fl.G. period 3s fl. 0.8s, ec. 2.2s	10 3	4	Green post; 3.	In line 272° with inner mole.
1743 C 0065.2	-Inner mole.	57° 03.4' N 10° 22.9' E	F.G.	20 6	4	Green mast.	
1744 C 0066	-Hals Barre.	56° 57.3' N 10° 25.5' E	Iso.W.R.G. period 2s	59 18	8		G. 305°-313°, W.-319°, R.-323°, W.-305°.
	-RACON		B(- • •)				(3 & 10cm).
1748 C 0069	--N.	56° 58.0' N 10° 21.9' E	Fl.(3)G. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	42 13	5	Green tower; 43.	
1752 C 0069.5	--S.	56° 57.9' N 10° 21.8' E	Fl.(3)R. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	42 13	5	Red tower; 43.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-KATTEGAT							
1760 C 0072	-Korsholm, N. Range, front, about 2 km. 114°18' from rear.	56° 58.4' N 10° 20.0' E	Iso.G. period 2s	17 5	9	Red octagonal concrete tower; 20.	Visible 290°18'-298°18'. Sector limits may be indistinct.
			Fl.R. period 3s fl. 0.8s, ec. 2.2s	16 5	3		Visible 139°30'-290°30'.
1764 C 0072.1	--S. front, 9 meters 203° from N. front light, 2 km. 114°06' from rear.	56° 58.4' N 10° 20.0' E	Iso.R. period 2s	17 5	9	Red octagonal concrete tower; 20.	Visible 290°18'-298°18'.
	-Egensekloster:						
1766 C 0073	--Egensekloster, common rear.	56° 58.8' N 10° 18.1' E	Iso.W. period 2s	66 20	15	Red framework tower, red triangular daymark point down; 66.	Visible 287°18'-301°18'. Synchronized with 1760 and 1764.
1768 C 0076	--E. Range, front.	56° 59.4' N 10° 18.4' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	13 4	W. 14 R. 10 G. 10	White hut, red band; 13.	G. 311°30'-315°, W.-316°30', R.-321°. Shown 24 hours.
1772 C 0076.1	--Rear, 177 meters 315°24' from front.	56° 59.5' N 10° 18.3' E	Iso.W. period 4s	30 9	13	Gray metal mast; 13.	Shown 24 hours.
1776 C 0078	--E. pier.	56° 59.4' N 10° 18.5' E	F.G.	13 4	5	White concrete post, green band.	
1780 C 0084	-Egensekloster Skov Range, front.	56° 58.7' N 10° 14.6' E	Iso.R. period 2s	42 13	6	Red framework tower, red triangular daymark point up, white stripe; 49.	Visible 076°18'-156°18'. Shown 24 hours.
1784 C 0084.1	--Rear, 540 meters 116°18' from front.	56° 58.6' N 10° 15.1' E	Iso.R. period 4s	62 19	6	Red framework mast, red triangular daymark point down, white stripe; 52.	Visible 076°18'-156°18'. Shown 24 hours.
1788 C 0089	-Frydenstrand, common front.	56° 59.0' N 10° 12.2' E	Iso.W. period 2s	43 13	8	Red framework tower, red triangular daymark point up, white stripe; 33.	Visible 131°-143°. Shown 24 hours.
			Iso.G. period 2s	43 13	6		Visible 231°-311°. Shown 24 hours.
1792 C 0089.1	--Rear, 916 meters 137° from common front.	56° 58.7' N 10° 12.8' E	Iso.W. period 4s	75 23	8	Red framework tower, red triangular daymark point down, white stripe.	Visible 133°-141°.
1796 C 0088.9	--Rear, 340 meters 271° from common front.	56° 59.0' N 10° 11.8' E	Iso.G. period 4s	59 18	5	Red framework tower, red triangular daymark point down, white stripe; 49.	Visible 231°-311°.
1800 C 0079.9	-S. Range, front.	56° 59.5' N 10° 16.5' E	Iso.R. period 2s	42 13	8	Red framework tower, red triangular daymark point up, white stripe.	Visible 266°30'-306°30'. Shown 24 hours.
1804 C 0080	--Common rear, 240 meters 286° from range front, 270 meters 279°30' from N. range, front.	56° 59.6' N 10° 16.3' E	Iso.W. period 4s	59 18	8	Framework tower, red triangular daymark point down, white stripe.	Visible 243°-323°. Shown 24 hours.
1808 C 0080.1	-N. Range, front.	56° 59.5' N 10° 16.6' E	Iso.G. period 2s	42 13	9	Red framework tower, red triangular daymark point up, white stripe.	Visible 259°30'-299°30'. Shown 24 hours.
1812 C 0082	-Hals, W. front.	56° 59.4' N 10° 18.3' E	Iso.W. period 2s	43 13	14	Red framework tower, red triangular daymark point up, white stripe.	Visible 066°30'-086°30'. Shown 24 hours.
1816 C 0082.1	--Rear, 360 meters 076° 30' from front.	56° 59.5' N 10° 18.6' E	Iso.W. period 4s	62 19	14	Red framework tower, red triangular daymark point down, white stripe.	Visible 066°30'-086°30'. Shown 24 hours.
LIMFJORDEN:							
1828 C 0098	-Bredhage Range, front.	57° 03.8' N 10° 02.1' E	Iso.W. period 2s	42 13	8	Red framework tower, red triangular daymark point up, white stripe.	Visible 296°42'-308°42'. Shown 24 hours.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-KATTEGAT							
1832 <i>C 0098.1</i>	--Rear, 536 meters 303° from front.	57° 03.9' N 10° 01.6' E	Iso.W. period 4s	75 23	8	Red framework tower, red triangular daymark point down, white stripe.	Visible 298°42'-306°42'. Shown 24 hours.
-Engholm:							
1836 <i>C 0101</i>	--E. Range and ESE. Range, common front.	57° 05.2' N 10° 01.1' E	Iso.W. period 2s	36 11	12	Red framework tower, red triangular daymark point up, white stripe; 23.	Visible 307°12'-347°12'. Shown 24 hours.
			Iso.W. period 2s	33 10	8		Visible 044°-124°.
1840 <i>C 0100.9</i>	---E. Range, rear, 1100 meters 327°12' from common front.	57° 05.7' N 10° 00.5' E	Iso.W. period 4s	75 23	12	Red framework tower, red triangular daymark point down, white stripe; 66.	Visible 307°12'-347°12'. Shown 24 hours.
1841 <i>C 0101.1</i>	---ESE. Range, rear, 620 meters 083°36' from common front.	57° 05.2' N 10° 01.7' E	Iso.W. period 4s	59 18	8	Red framework tower, red triangular daymark point down, white stripe; 49.	Visible 044°-124°. Shown 24 hours.
1844 <i>C 0102</i>	--S. Range, front.	57° 05.3' N 9° 59.9' E	Iso.R. period 2s	43 13	6	Red framework tower, red triangular daymark point up, white stripe.	Visible 260°24'-340°24'. Shown 24 hours.
1848 <i>C 0102.1</i>	--Rear, 427 meters 301° from front.	57° 05.5' N 9° 59.5' E	Iso.R. period 4s	59 18	6	Red framework tower, red triangular daymark point down, white stripe.	Visible 260°24'-340°24'. Shown 24 hours.
1860 <i>C 0106</i>	--SE. Range, front.	57° 05.4' N 10° 00.0' E	Iso.R. period 2s	43 13	5	Red framework tower, red triangular daymark point up, white stripe; 33.	Visible 004°30'-085°30'. Shown 24 hours.
1864 <i>C 0106.1</i>	---Rear, 305 meters 044°30' from front.	57° 05.5' N 10° 00.2' E	Iso.R. period 4s	59 18	5	Red framework tower, red triangular daymark point down, white stripe; 49.	Visible 004°30'-085°30'. Shown 24 hours.
1868 <i>C 0110</i>	-Skongaard Range, front.	57° 05.2' N 9° 59.1' E	Iso.W. period 2s	42 13	8	Red framework tower, red triangular daymark point up, white stripe.	Visible 003°48'-043°48'. Shown 24 hours.
1872 <i>C 0110.1</i>	--Rear, 414 meters 024° from front.	57° 05.4' N 9° 59.3' E	Iso.W. period 4s	59 18	8	Red framework tower, red triangular daymark point down, white stripe.	Visible 003°48'-043°48'.
-Aalborg Havn:							
1884 <i>C 0121.6</i>	--W. mole, head.	57° 03.4' N 9° 52.5' E	Fl.G. period 3s fl. 0.8s, ec. 2.2s	16 5	3	Green post; 10.	
1888 <i>C 0121.7</i>	--E. mole, head.	57° 03.4' N 9° 52.5' E	Fl.R. period 3s fl. 0.8s, ec. 2.2s	16 5	3	Red post; 10.	
1904 <i>C 0124</i>	Oster-Hurup, E. mole, head.	56° 48.3' N 10° 17.1' E	F.G.	23 7	5	White mast; 16.	Siren: 1 bl. ev. 60s (bl. 10s, si. 50s).
1908 <i>C 0125</i>	-S. mole, head.	56° 48.3' N 10° 17.1' E	F.R.	23 7	5	White mast; 16.	
DENMARK-KATTEGAT AND BELTS							
MARIAGER FJORD:							
-Als Odde:							
1912 <i>C 0126</i>	--Range, front.	56° 42.7' N 10° 20.8' E	Iso.W. period 2s	23 7	10	Gray framework tower, red triangular daymark point up.	Visible 256°54'-266°54'.
1916 <i>C 0126.1</i>	---Rear, 1511 meters 261°54' from front.	56° 42.5' N 10° 19.3' E	Iso.W. period 4s	79 24	10	Framework tower, red triangular daymark point down.	Visible 256°54'-266°54'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-KATTEGAT AND BELTS							
1920 <i>C 0127</i>	--Second Range, front.	56° 42.1' N 10° 19.6' E	Iso.G. period 2s	16 5	4	Framework tower, red triangular daymark point up.	Visible 228°48'-243°48'.
			Iso.W. period 2s	20 6	2		
1924 <i>C 0127.1</i>	---Rear, 232 meters 236°18' from front.	56° 42.1' N 10° 19.4' E	Iso.G. period 4s	30 9	4	Framework tower, red triangular daymark point down; 33.	Visible 228°48'-243°48'.
1928 <i>C 0128</i>	--Range, front.	56° 42.1' N 10° 19.3' E	Iso.R. period 2s	19 6	4	Framework tower, red triangular daymark point up; 20.	Visible 228°48'-258°48'.
1932 <i>C 0128.1</i>	---Rear, 181 meters 243°48' from front.	56° 42.1' N 10° 19.1' E	Iso.R. period 4s	33 10	4	Framework tower, red triangular daymark point down; 33.	Visible 228°48'-258°48'.
RANDERS FJORD:							
1936 <i>C 0176</i>	-Udbyhøj.	56° 35.4' N 10° 19.2' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	108 33	W. 15 R. 12 G. 12	White lighthouse, red band; 16.	G. 194°-228°, W.-232°, R.-254°, G.-276°, W.-279°, R.-289°.
1940 <i>C 0178</i>	-Barren, Entrance Range, front.	56° 36.1' N 10° 20.4' E	Iso.W. period 2s	13 4	14	Red post, concrete base, red triangular daymark point up; 20.	Visible 250°36'-255°36'.
1944 <i>C 0178.1</i>	--Rear, 794 meters 253°06' from front.	56° 36.0' N 10° 19.6' E	Iso.W. period 4s	46 14	14	Red mast, red triangular daymark point down; 39.	Visible 250°36'-255°36'.
1948 <i>C 0182</i>	-Kirkegrund W. Range, front.	56° 36.4' N 10° 18.6' E	Iso.R. period 2s	14 4	5	Red post, red triangular daymark point up; 13.	Visible 269°30'-292°30'.
1952 <i>C 0182.1</i>	--Rear, 875 meters 281° from front.	56° 36.5' N 10° 17.7' E	Iso.R. period 4s	29 9	7	Red post, red triangular daymark point down; 26.	Visible 278°-284°.
1956 <i>C 0184</i>	-Kirkegrund E. Range, front.	56° 36.1' N 10° 21.2' E	Iso.R. period 2s	13 4	11	Framework mast, concrete base, red triangular daymark point up; 13.	Visible 098°30'-103°30'.
1960 <i>C 0184.1</i>	--Rear, 350 meters 101° from front.	56° 36.1' N 10° 21.6' E	Iso.R. period 4s	26 8	11	Framework mast, concrete base, red triangular daymark point down; 23.	Visible 098°30'-103°30'.
1964 <i>C 0186</i>	-Melbank.	56° 36.1' N 10° 20.9' E	Fl.(2)R. period 5s fl. 0.8s, ec. 0.8s fl. 0.8s, ec. 2.6s	19 6	5	Red column, concrete base; 10.	
1968 <i>C 0188</i>	-Mellempolde.	56° 36.4' N 10° 19.0' E	Fl.(2)G. period 5s fl. 0.8s, ec. 0.8s fl. 0.8s, ec. 2.6s	14 4	3	Green post, dolphin; 7.	
1972 <i>C 0190</i>	-Udbyhøj Fishing Harbor.	56° 36.6' N 10° 18.2' E	Oc.(2)W.R.G. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	14 4	W. 3 R. 2 G. 2	Green post, dolphin; 7.	G. 281°-296°, W.-297°, R.-337°, G.-040°, W.-042°, R.-057°.
1976 <i>C 0164</i>	Anholt, near E. point of island.	56° 44.2' N 11° 39.0' E	Fl.W. period 15s fl. 0.3s, ec. 14.7s	131 40	14	White cylindrical tower, red top; 138.	Visible 076°-053°.
1980 <i>C 0166</i>	-Outer N. mole, head.	56° 42.9' N 11° 30.5' E	Fl.R. period 3s	26 8	5	Post.	
1984 <i>C 0168</i>	-Outer S. mole, head.	56° 42.9' N 11° 30.6' E	Fl.G. period 3s	26 8	5	Green post.	
1988 <i>C 0172</i>	-Inner S. mole, head.	56° 43.0' N 11° 30.6' E	FG.	20 6		White post.	Visible 354°-302°.
1992 <i>C 0170</i>	-Inner N. mole, head.	56° 43.0' N 11° 30.7' E	FR.	20 6		White post.	Visible 254°-099°.
1996	<i>Anholt Buoy 6.</i>	56° 45.4' N 11° 53.0' E	Iso.W. period 8s			SAFE WATER RW, pillar, topmark.	
RACON			T(-)				(3 & 10cm).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-KATTEGAT AND BELTS							
BONNERUP:							
2000 <i>C 0195</i>	-Outer E. mole, head.	56° 32.2' N 10° 42.8' E	F.R.	16 5	5	Pyramid structure; 13. Floodlit.	
2004 <i>C 0195.2</i>	-Outer W. mole, head.	56° 32.2' N 10° 42.8' E	F.G.	16 5	5	Pyramid structure; 13. Floodlit.	
2008 <i>C 0200</i>	Gerrild, Knudshoved.	56° 31.7' N 10° 49.8' E	Iso.W.G. period 4s	88 27	W. 14 G. 11	White tower; 36.	G. 111°42'-128°06', W.- 301°48'.
2012 <i>C 0204</i>	Fornaes.	56° 26.6' N 10° 57.4' E	Fl.W. period 20s	105 32	21	Cylindrical stone tower; 89.	
GRENAO HAVN:							
2020 <i>C 0209</i>	-N. mole, head.	56° 24.5' N 10° 55.5' E	Iso.W.R.G. period 4s	67 20	W. 16 R. 12 G. 12	Gray framework tower; 59.	G. 212°30'-216°, W.-219°, R.- 222°30'. Range 2/1M by day. Shown 24 hours.
2024 <i>C 0210</i>	-Cross mole, head.	56° 24.8' N 10° 55.6' E	Fl.G. period 5s	13 4		Gray mast.	Visible 270°-180°.
2028 <i>C 0212</i>	-Middle mole, head.	56° 24.6' N 10° 55.7' E	F.G.	17 5		Post.	Visible 129°-069°.
2032 <i>C 0214</i>	-S. mole, head.	56° 24.6' N 10° 55.6' E	F.R.	16 5	3	Gray post; 10.	
2034 <i>C 0214.4</i>	-Lystbadehavn, N. breakwater, head.	56° 24.2' N 10° 55.5' E	Fl.G. period 3s fl. 0.8s, ec. 2.2s	16 5	4	White pyramid, green top; 10. Floodlit.	Visible 028°-298°. Shown 24 hours.
2034.1 <i>C 0214.6</i>	--S. breakwater, head.	56° 24.2' N 10° 55.6' E	Fl.R. period 3s fl. 0.8s, ec. 2.2s	16 5	4	White pyramid, red top; 10. Floodlit.	Shown 24 hours.
2036 <i>C 1478</i>	Sjællands Rev, N.	56° 06.1' N 11° 12.1' E	Iso.W.R.G. period 2s	82 25	W. 16 R. 13 G. 13	White column, red band, black pedestal; 85. Floodlit. Helicopter platform.	G. 025°-036°, W.-039°, R.- 062°, G.-074°, W.-077°, R.-105°, G.-118°, R.- 141°, G.-205°, W.-212°, R.-235°, G.-256°, W.- 283°, R.-317°, G.-350°, R.-025°.
RACON			N(- •)				Azimuth coverage 020°-280°.
2040 <i>C 0220</i>	Lysegrund.	56° 18.2' N 11° 47.7' E	Q.(2)W. period 5s	33 10	5	Black hut, red band, concrete base; 30.	
2044 <i>C 0222</i>	Hesselo.	56° 11.8' N 11° 42.6' E	Fl.W. period 15s fl. 0.3s, ec. 14.7s	131 40	13	White cylindrical tower; 79.	
See Index for: Sjællands Rev, other lights of Great Belt Hjælm, other lights of Little Belt, Gilleleje Flak and other lights of the Sound							
ISEFJORD:							
2052 <i>C 0226</i>	-Spodsbjerg.	55° 58.6' N 11° 51.4' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	131 40	W. 18 R. 11 G. 11	White four-sided tower; 30.	G. 036°-095°, W.-098°, R.- 116°, G.-148°, W.-237°.
-Hundested Havn:							
2056 <i>C 0228</i>	--Outer harbor, W. mole, head.	55° 57.9' N 11° 50.5' E	F.R.	19 6	4	Gray hut; 7.	F.Y. shown in fog.
2060 <i>C 0230</i>	---E. mole, head.	55° 57.9' N 11° 50.6' E	F.G.	14 4	4	Gray hut; 7.	

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DENMARK-KATTEGAT AND BELTS							
2072 C 0238	-Lynaes Havn, W. mole, head.	55° 57.0' N 11° 52.0' E	F.R.	16 5	4	Red post; 10.	Not shown 0100-0500.
2076 C 0237	--W. mole, head.	55° 56.0' N 11° 52.0' E	Oc.(2)W.R.G. period 6s lt. 1s, ec. 1s lt. 3s, ec. 1s	16 5	W. 7 R. 5 G. 5	Red octagonal tower; 13.	W. 000°-042°, R.-050°, G.- 146°, R.-340°, G.-000°.
2080 C 0233	--Ferry Harbor, N. mole, head.	55° 57.6' N 11° 50.5' E	Fl.R. period 3s fl. 0.7s, ec. 2.3s	16 5	3	Gray post; 7.	Fog light.
2084 C 0234	---S. mole, head.	55° 57.5' N 11° 50.6' E	Fl.G. period 3s fl. 0.7s, ec. 2.3s	16 5	4	Pile structure, gray lantern; 13.	
2088	-Rorvig, Yacht Harbor, N. mole, head.	55° 56.7' N 11° 46.2' E	F.G.	15 5	3	Green mast; 8.	F.R. light shown on S. mole head.
-Frederikssund:							
2096 C 0239.42	--Range, front.	55° 51.0' N 12° 03.0' E	F.R.	23 7	3	Framework tower, red and white striped triangular daymark point up.	
2100 C 0239.43	--Rear, 160°42' from front.	55° 50.9' N 12° 02.7' E	F.R.	33 10	3	Framework tower, red and white striped triangular daymark point down.	
2104 C 0239.44	--North side of bridge leaf Range, front.	55° 51.0' N 12° 03.0' E	Iso.G. period 2s	13 4	3	Mast, red and white striped triangular daymark point up.	
2108 C 0239.45	--Rear, 172°30' from front.	55° 50.0' N 12° 02.7' E	Iso.G. period 4s	39 12	3	Mast, red and white striped triangular daymark point down.	
2116 C 0239.7	-Roskilde Havn Range, front, W. mole, head.	55° 38.9' N 12° 04.7' E	Iso.R. period 2s	26 8	6	Mast.	Visible 150°48'-180°48'.
2120 C 0239.71	--Rear, 395 meters 165°48' from front.	55° 39.1' N 12° 04.6' E	Iso.R. period 2s	43 13	6	Building.	Visible 150°48'-180°48'. Synchronized with front.
2132 C 0260.5	-Nykobing Havn, N. entrance to pleasure craft harbor.	55° 54.8' N 11° 40.6' E	F.G.	10 3	4	Post.	
2136 C 0260.6	--S. entrance to pleasure craft harbor.	55° 54.8' N 11° 40.5' E	F.R.	10 3	4	Post.	
2138 C 0260.7	--S. mole, head.	55° 54.8' N 11° 40.6' E	Fl.R. period 3s fl. 0.8s, ec. 2.2s	13 4	4	White wooden structure, red top; 7. Floodlit.	
2140 C 0242	-Kyndbyvaerket Havn Range, front.	55° 49.0' N 11° 53.0' E	Iso.R. period 2s	16 5	7	Gray post; 10.	Visible 161°30'-168°30'.
2144 C 0242.1	--Rear, 1.2 km., 165° from front.	55° 48.1' N 11° 52.9' E	Iso.R. period 4s	59 18	7	Metal framework tower; 20.	Visible 161°30'-168°30'.
2152 C 0255	--Range, front.	55° 45.1' N 11° 48.7' E	Iso.R. period 2s	46 14	5	Framework tower, red triangular daymark point up, white bands; 30.	Visible 051°30'-071°30'.
2156 C 0255.1	---Rear, 800 meters 061°30' from front.	55° 45.4' N 11° 49.4' E	Iso.R. period 4s	85 26	5	Framework tower, red triangular daymark point down, white bands; 23.	Visible 051°30'-071°30'.
2164 C 0257.5	-Loserup.	55° 47.0' N 11° 45.0' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	75 23	W. 6 R. 4 G. 4	Red cylindrical tower, white band; 7.	G. 180°-207°, W.-216°, R.- 234°.
2168 C 0257	-Honsehalsen.	55° 46.1' N 11° 46.0' E	Iso.W.R.G. period 2s	16 5	W. 7 R. 5 G. 5	Green cylindrical tower, white band; 13.	G. 252°-338°30', W.-343°30', R.-065°, G.-165°, W.- 175°, R.-252°.
-Holbaek Havn:							
2172 C 0253	--Holbaek Marina, W. mole.	55° 43.5' N 11° 45.7' E	Iso.W.R.G. period 2s	16 5	5	Green post; 10. Floodlit.	W. 105°-135°, R.-145°, G.- 105°. Fl.R. 3s 3M marks E. mole.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-KATTEGAT AND BELTS							
2176 C 0254	--Horby yacht harbor.	55° 44.0' N 11° 42.0' E	Oc.W.R.G. period 10s	13	W. 6 4 R. 4 G. 4	Red post, white band; 7.	G. 309°30'-327°, W.-027°30', R.-309°30'.
2180 C 0248	--Channel Range, front.	55° 43.4' N 11° 42.9' E	Iso.R. period 2s	30	9	5 Framework tower, red triangular daymark point up; 30.	Visible 231°30'-251°30'.
2184 C 0248.1	---Rear, 520 meters 241°30' from front.	55° 43.2' N 11° 42.4' E	Iso.R. period 4s	52	16	5 Framework tower, red triangular daymark point down; 49.	Visible 231°30'-251°30'. Synchronized with front.
2196 C 0244	--Boat harbor, W. mole.	55° 43.3' N 11° 42.7' E	F.W.G.	13	W. 4 4 G. 4	4 Framework mast; 10.	W. 315°-045°, G.-315°.
2200 C 0246	--Ship harbor entrance.	55° 43.3' N 11° 42.6' E	F.G.	16	5	4 Green round tower, white band, gray base; 13.	
2204 C 0243	-Ejby Fishing Harbor.	55° 42.0' N 11° 50.0' E	F.R.	19	6	4 Black post.	
2208 C 0262	Hjelm.	56° 08.0' N 10° 48.3' E	Iso.W.R.G. period 8s	200	W. 14 61 R. 11 G. 11	White cylindrical tower; 59.	G. 016°30'-043°, W.-051°, R.- 068°, G.-088°, W.-091°, R.-110°, W.-016°30'.
EBELTOFT VIG:							
2212 C 0782	-Ferry Harbor Range, front.	56° 09.2' N 10° 40.0' E	Iso.W. period 2s	30	9	9 Gray framework structure; 20.	Visible 043°12'-075°12'.
2216 C 0782.1	--Rear, 256 meters 059°12' from front.	56° 09.3' N 10° 40.2' E	Iso.W. period 4s	49	15	9 Gray framework tower; 43.	Visible 043°12'-075°12'. Synchronized with front.
2218 C 0781	--N. breakwater, head.	56° 09.2' N 10° 39.8' E	Fl.R. period 3s fl. 0.8s, ec. 2.2s	16	5	5 Gray pedestal; 7.	Shown 24 hours.
2218.1 C 0780.4	--S. breakwater, head.	56° 09.1' N 10° 39.9' E	Fl.G. period 3s fl. 0.8s, ec. 2.2s	20	6	6 Framework tower; 10.	Shown 24 hours. Fog light.
2220 C 0772	-Bay, head.	56° 13.9' N 10° 36.4' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	43	W. 12 13 R. 10 G. 10	White house, red band; 20.	G. 355°-357°, W.-358°30', R.- 005°, G.-008°, W.- 008°30', R.-010°.
2232 C 0773.4	Lyngsbaek Bro, outer head.	56° 14.0' N 10° 37.0' E	Fl.W. period 3s fl. 0.8s, ec. 2.2s	30	9	6 Gray mast; 26.	
2233 C 0776	-New entrance Range, front.	56° 11.9' N 10° 40.2' E	F.G.	18	5	5 White mast; 7.	
2233.1 C 0776.1	--Rear, 261 meters 091°42' from front.	56° 11.9' N 10° 40.5' E	F.G.	52	16	5 Gray mast; 39.	
2234 C 0774	-Ebeltoft Harbor Range, front.	56° 11.6' N 10° 40.1' E	F.R.	13	4	5 Column, white triangular daymark point up, red stripes; 7.	Visible 081°24'-126°24'.
2234.1 C 0774.1	--Rear, 401 meters 103°54' from front.	56° 11.5' N 10° 40.4' E	F.R.	59	18	5 Red triangular daymark point down, white stripes; 33.	Visible 081°24'-126°24'.
2244 C 0776.4	-W. mole, head.	56° 11.8' N 10° 40.1' E	Fl.G. period 5s fl. 1s, ec. 4s	20	6	3 White tower, green band; 13.	
2248 C 0776.3	-N. mole, head.	56° 11.8' N 10° 40.1' E	Fl.R. period 5s fl. 1s, ec. 4s	20	6	3 White tower, red band; 13.	
2250 C 0777	-Skudehavn.	56° 11.5' N 10° 40.0' E	Fl.R. period 3s fl. 0.7s, ec. 2.3s	11	3	3 White tower, red band; 7.	Shown Apr. 1 to Nov. 15.
2252 C 0786	Sletterhage.	56° 05.7' N 10° 30.8' E	Oc.W.R.G. period 10s lt. 8s, ec. 2s	56	W. 16 17 R. 12 G. 12	White round tower; 52.	R. 250°54'-275°, G.-297°, W.- 302°06', R.-320°30', G.- 006°06', R.-060°12', G.- 088°36', W.-117°, R.- 125°36'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-KATTEGAT AND BELTS							
2258 <i>C 0810</i>	Skodshoved Harbor, S. mole, head.	56° 10.9' N 10° 22.4' E	F.G.	16 5	4	Gray post; 10.	Shown Apr. 1 to Nov. 15.
KALVO VIG:							
2260 <i>C 0819</i>	-Ronsten Grund SE.	56° 15.6' N 10° 28.6' E	Q.(3)R. period 10s	7 2	3	Dolphin; 7.	Shown Apr. 1 to Nov. 15.
2262 <i>C 0818</i>	-Nappedam.	56° 16.6' N 10° 29.7' E	F.R.	13 4	4	White concrete and metal post; 7.	
2264 <i>C 0814</i>	-Studstrupvaerkets Havn Range, front.	56° 15.0' N 10° 20.8' E	F.R.	138 42	6	Metal framework tower, orange triangular daymark point up; 125.	Visible 233°48'-013°48'.
2268 <i>C 0814.1</i>	--Rear, 114 meters 304° from front.	56° 15.1' N 10° 20.7' E	F.R.	161 49	6	House, orange triangular daymark point down; 148.	
2269 <i>C 0813</i>	--S. mole, head.	56° 14.6' N 10° 20.6' E	F.R.	16 5	4	White trapezoidal daymark, red top; 10.	
2270 <i>C 0813.2</i>	--N. mole, head.	56° 14.6' N 10° 20.6' E	F.G.	16 5	4	White rectangular daymark, green top; 10.	Visible 007°-257°.
2271 <i>C 0812</i>	-Ega Marina, S. mole, head.	56° 12.6' N 10° 17.6' E	Fl.R. period 3s	13 4	5	Red post; 7.	
2271.1 <i>C 0812.5</i>	--N. mole, head.	56° 12.6' N 10° 17.5' E	Fl.G. period 3s	13 4	5	Green post; 7.	
AARHUS:							
2277 <i>C 0800</i>	-Pier No 4 N. Dir. Lt.	56° 09.9' N 10° 13.8' E	F.W.G.	85 26	11	Framework mast.	G. 291°36'-293°36', A.I.W.G.-295°06', W.-299°06'. Range 2M by day. Shown 24 hours.
2277.1 <i>C 0789.8</i>	--S. Dir. Lt.	56° 09.8' N 10° 13.7' E	F.W.R.	87 26	W. 12 R. 11	Framework mast.	W. 291°06'-295°06', A.I.W.R.-296°36', R.-298°36'. Range 2M by day.
2277.5 <i>C 0789.85</i>	--Steering Lt.	56° 09.8' N 10° 13.8' E	Iso.Y. period 2s	62 19	11	Framework mast.	Visible 287°06'-299°06'. Range 2M by day. Shown 24 hours.
2280 <i>C 0792</i>	-E. mole, head.	56° 09.7' N 10° 13.9' E	Fl.R. period 5s fl. 1s, ec. 4s	52 16	5	Gray tower, red band; 52. Floodlit.	Fog light.
2282 <i>C 0793</i>	-W. mole, head.	56° 09.7' N 10° 13.7' E	Fl.G. period 5s fl. 1s, ec. 4s	26 8	5	Gray cylindrical tower, green band. Floodlit.	
2283 <i>C 0793.9</i>	-Miljohavn Basin.	56° 09.0' N 10° 15.3' E	F.W.	16 5	5		
2286 <i>C 0796</i>	-E. harbor Range, front.	56° 08.5' N 10° 13.1' E	Iso.W. period 2s	82 25	6	Framework tower.	Visible 210°-243°. Shown 24 hours. Range 2M by day, visible 217°30'-235°30'.
2286.1 <i>C 0796.1</i>	--Rear, 207 meters 220°12' from front.	56° 08.4' N 10° 13.0' E	Iso.W. period 2s	95 29	6	Framework tower.	Visible 210°-243°. Shown 24 hours. Range 2M by day, visible 217°30'-235°30'. Synchronized with front.
2288 <i>C 0794.3</i>	-Basin No 10, W. breakwater, head.	56° 09.0' N 10° 13.7' E	Fl.G. period 5s fl. 1s, ec. 4s	20 6	5	White tower, green band; 20. Floodlit.	
2289 <i>C 0795</i>	--E. breakwater, head.	56° 08.9' N 10° 13.9' E	Fl.R. period 5s fl. 1s, ec. 4s	26 8	5	White tower, red band; 26. Floodlit.	

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DENMARK-KATTEGAT AND BELTS							
2292 C 0808	-Yacht basin, E. mole, head.	56° 10.2' N 10° 13.5' E	F.R.	23 7	5	Red tower; 13.	Shown 24 hours.
2294 C 0789.5	Marselisborg.	56° 08.2' N 10° 12.9' E	Fl.G. period 3s	13 4	4	Green mast; 16. Floodlit.	
2296 C 0821	Norsminde Marina.	56° 01.5' N 10° 16.1' E	F.G.	10 3	4	Metal post; 7.	
TUNO:							
2300 C 0822	-E. side of island.	55° 57.0' N 10° 26.6' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	102 31	W. 12 R. 10 G. 10	White church tower; 59.	G. 133°-157°, W.-160°, R.- 175°, G.-214°, W.-220°, R.-326°, G.-345°, W.- 350°, R.-045°.
2304 C 0824	-S. mole, head.	55° 56.9' N 10° 27.3' E	F.R.	10 3	4	Gray post; 7.	Shown Sep. 1 to Apr. 1 when vessels are expected.
SAMSO:							
2328 C 0837	-Saelvig Pier, head.	55° 51.9' N 10° 32.9' E	F.G.	16 5	5	Mast; 13.	
-Kolby Kaas Havn:							
2332 C 0838	--N. mole, head.	55° 47.8' N 10° 31.7' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	16 5	5	Red metal post; 7.	
2336 C 0839	--S. mole, head.	55° 47.8' N 10° 31.6' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	16 5	4	Green metal post; 7.	
2340 C 0842	-Vesborg.	55° 46.2' N 10° 33.1' E	Oc.(2)W. period 12s lt. 2s, ec. 2s lt. 6s, ec. 2s	118 36	17	White cylindrical tower; 62.	Visible 275°-149°, W. partially obscured -169°.
2344 C 0844	-Lushage, SE. point of Samso.	55° 45.9' N 10° 37.2' E	Fl.W. period 3s fl. 0.8s, ec. 2.2s	30 9	6	White framework mast; 23.	Visible 204°-095°.
2345 C 0846	-Paludans Flak, E. side.	55° 44.0' N 10° 35.0' E	Fl.(3)Y. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	23 7	5		Light on E. and W. sides. Other wind turbines, some marked by lights, exist in area.
-Ballen Havn:							
2346 C 0852	--Ballen Faergehavn.	55° 48.4' N 10° 38.8' E	Dir.Iso.W.R.G. period 2s	49 15	9	Gray triangular framework mast; 39.	G. 193°-196°, W.-198°, R.- 201°.
2347 C 0852.6	--W. breakwater, head.	55° 48.5' N 10° 38.8' E	Fl.G. period 3s fl. 0.8s, ec. 2.2s	16 5	6	Green metal post; 7. Floodlit.	
			F.Y. (vert.)	13 4	4		Shown in fog. Visible 182°-229°.
2347.1 C 0852.5	---E. breakwater, head.	55° 48.6' N 10° 38.9' E	Fl.R. period 3s fl. 0.8s, ec. 2.2s	16 5	6	Red metal post, white band; 7. Floodlit.	
			F.Y. (horiz.)	13 4	4		Shown in fog. Visible 182°-229°.
2348 C 0850	--N. mole, head.	55° 49.0' N 10° 38.5' E	F.G.	20 6	4	Gray mast.	Visible 045°-225°.
2352 C 0848	--S. mole, head.	55° 49.0' N 10° 38.5' E	F.R.	20 6	4	Gray mast.	

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DENMARK-KATTEGAT AND BELTS							
ENDELAVE HAVN:							
2368 <i>C 0856</i>	-Range, front.	55° 45.6' N 10° 15.8' E	F.R.	23 7	4	Wooden mast.	Visible 095°-235°.
2372 <i>C 0856.1</i>	--Rear, 110 meters 165° from front.	55° 45.5' N 10° 15.8' E	F.R.	42 13	4	Framework tower.	Visible 095°-235°.
HORSENS FJORD:							
2376 <i>C 0860</i>	-Hjarno Range, front.	55° 49.4' N 10° 03.8' E	Iso.G. period 2s	19 6	8	White wooden house; 13.	Visible 334°42'-342°42'.
2380 <i>C 0860.1</i>	--Rear, 703 meters 338°42' from front.	55° 49.8' N 10° 03.6' E	Iso.G. period 4s	59 18	8	Framework tower, orange band; 59.	Visible 334°42'-342°42'.
2384 <i>C 0866</i>	-Haldrup Range, front.	55° 53.0' N 9° 58.0' E	Iso.R. period 2s	26 8	8	White house, red bands; 26.	Visible 316°-324°.
2388 <i>C 0866.1</i>	--Rear, 600 meters 319°42' from front.	55° 53.1' N 9° 58.1' E	Iso.R. period 4s	60 18	8	White house, red bands; 33.	Visible 316°-324°.
2392 <i>C 0870</i>	Sejet Range, front.	55° 50.0' N 9° 57.0' E	Iso.G. period 2s	10 3	5	White house; 10.	Visible 228°12'-248°12'.
2396 <i>C 0870.1</i>	--Rear, 410 meters 238°12' from front.	55° 49.9' N 9° 56.8' E	Iso.G. period 4s	33 10	5	White house; 16.	Visible 228°-248°.
-Horsens:							
2400 <i>C 0876</i>	--S. side of harbor range, front.	55° 52.0' N 9° 52.0' E	Iso.R. period 2s	41 12	10	White building.	Visible 191°-011°.
2404 <i>C 0876.1</i>	---Rear, 690 meters 281° from front.	55° 51.6' N 9° 51.0' E	Iso.R. period 4s	71 22	10	Metal framework tower, orange triangular daymark point down; 85.	Visible 191°-011°.
2406 <i>C 0877</i>	--Yacht harbor.	55° 51.4' N 9° 52.7' E	F.G.	10 3	3	Green post; 7.	Shown Apr. 1 to Nov. 15.
HORSENS HAVN:							
2408 <i>C 0880</i>	-N. mole, head.	55° 51.0' N 9° 52.0' E	Fl.G. period 3s fl. 0.8s, ec. 2.2s	13 4	4	Green post, white hut; 10.	
2416 <i>C 0884</i>	Juelsminde Havn.	55° 43.0' N 10° 01.0' E	Fl.R. period 5s fl. 1s, ec. 4s	18 5	4	Steel pillar.	
2420 <i>C 0885</i>	Sandbjerg Vig.	55° 43.2' N 10° 00.5' E	Fl.R. period 3s fl. 0.7s, ec. 2.3s	13 4	5	Red tripod; 10.	
2432 <i>C 0893.5</i>	Aebelo.	55° 38.7' N 10° 09.8' E	Fl.W. period 15s fl. 0.3s, ec. 14.7s	66 20	14	Cylindrical granite tower; 59.	Visible 016°-263°.
2436 <i>C 0888</i>	Korshavn.	55° 36.2' N 10° 36.5' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	13 4	W. 7 R. 4 G. 4	White tower, red band; 10.	R. 259°-292°, G.-053°, W.-058°, R.-078°. Shown Apr. 1 to Sep. 30.
2440 <i>C 0890</i>	Enebaerodde, W. side of Odense Fjord, at Hals.	55° 31.0' N 10° 33.7' E	Fl.W.R.G. period 5s fl. 1s, ec. 4s	43 13	W. 11 R. 8 G. 8	White tower; 46.	G. 142°-164°, W.-173°30', R.-028°, G.-082°.
2442 <i>C 0890.2</i>	Gabet Range, front.	55° 31.3' N 10° 33.2' E	Iso.W. period 2s	33 10	6	Red mast, red triangular daymark point up; 26.	Visible 210°48'-240°48'. Shown 24 hours.
2442.1 <i>C 0890.21</i>	--Rear, 140 meters 225°48' from front.	55° 31.2' N 10° 33.1' E	Iso.W. period 4s	49 15	6	Red mast, red triangular daymark point down; 43.	Visible 210°48'-240°48'. Synchronized with front. Shown 24 hours.

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DENMARK-KATTEGAT AND BELTS							
2444 C 0890.4	Skoven.	55° 31.8' N 10° 34.9' E	Oc.(2)W.R.G. period 6s lt. 1s, ec. 1s lt. 1s, ec. 3s	62 19	W. 5 R. 3 G. 3	Framework tower; 23.	G. 134°-144°, W.-154°, R.- 164°. Shown 24 hours.
BOGENSE HAVN:							
2448 C 0904	-E. mole, head.	55° 34.2' N 10° 04.6' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	19 6	W. 4 R. 2 G. 2	White tower; 16. Floodlit.	G. 160°30'-194°, W.-198°, R.- 160°30'.
2452 C 0908	-Entrance Range, front.	55° 34.1' N 10° 05.0' E	F.R.	7 2		Post, white triangular daymark point up; 7.	
2456 C 0908.1	--Rear, 130 meters 164°30' from front.	55° 34.0' N 10° 05.1' E	F.R.	33 10		Warehouse, white triangular daymark point down.	
VEJLE FJORD:							
2460 C 0894	-Trelde Naes, S. side of entrance to fjord.	55° 37.5' N 9° 51.5' E	Iso.W.R.G. period 2s	85 26	W. 9 R. 6 G. 6	Metal framework tower; 69.	G. 084-124°, W.-128°, R.- 136°30', W.-232°, R.- 256°, G.-276°30', W.- 010°.
2464 C 0900	-Vejle Havn Range, front.	55° 42.4' N 9° 32.9' E	Iso.R. period 2s	59 18		Gray framework tower, orange triangular daymark point up; 62.	Visible 273°-303°.
2468 C 0900.1	--Rear, 340 meters 288° from front.	55° 42.4' N 9° 32.6' E	Iso.R. period 4s	82 25		Gray framework tower, orange triangular daymark point down; 92.	Visible 273°-303°.
2472 C 0922	Strib.	55° 32.6' N 9° 45.4' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	69 21	W. 13 R. 10 G. 10	White four-sided tower; 69.	G. 351°-007°30', W.-013°30', R.-135°, G.-232°, W.- 238°, R.-270°.
FREDERICIA HAVN:							
2484 C 0911	-Shell Oil Pier.	55° 33.3' N 9° 46.1' E	F.G.	16 5		Dolphin; 13.	
2486	-Floating drydock, SE. corner.	55° 33.5' N 9° 45.2' E	V.Q.(6)+L.F.I.W. period 10s	41 12		Mast; 3.	
2492 C 0918	-E. mole, head.	55° 33.5' N 9° 45.0' E	Fl.G. period 3s	14 4		Green post; 7.	
2496 C 0919	-W. mole, head.	55° 33.5' N 9° 44.9' E	Fl.R. period 3s fl. 0.8s, ec. 2.2s	14 4		Red mast; 7.	
2500 C 0920	-Yacht Harbor.	55° 33.2' N 9° 43.8' E	F.R.	13 4		Red post; 7.	
2504 C 0920.2	-Erritso.	55° 33.2' N 9° 43.8' E	F.G.	16 5		Green post; 7.	
2508 C 0924	-Stavby Skov.	55° 31.0' N 9° 45.6' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	31 9	W. 10 R. 7 G. 7	White hut, red band; 7.	G. 049°-068°, W.-079°, R.- 091°.
2512 C 0919.4	-Range, front.	55° 33.5' N 9° 44.1' E	F.R.	16 5		Pillar.	Visible 285°-325°.
2516 C 0919.41	--Rear, 120 meters 305° from front.	55° 33.6' N 9° 44.0' E	F.R.	49 15		Gray mast; 43.	Visible 285°-325°.

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DENMARK-KATTEGAT AND BELTS							
2520 <i>C 0925</i>	E. Lillebaeltsbro.	55° 31.1' N 9° 45.0' E	Iso.W. period 4s	171 52	9	Center of bridge.	Shown on N. and S. sides in center of span.
			Fl.R. period 3s fl. 0.8s, ec. 2.2s	16 5	6	E. pillar.	Shown on N. and S. sides.
			Fl.G. period 3s fl. 0.8s, ec. 2.2s	16 5	7	W. pillar.	Shown on N. and S. sides. Synchronized with Fl.R.
2524 <i>C 0923</i>	Lyngs Odde.	55° 31.4' N 9° 44.5' E	Fl.G. period 3s fl. 0.8s, ec. 2.2s	16 5	4	Post; 7.	Shown on NE. and SE. extremities of pier. Shown 24 hours.
MIDDELFART:							
2528 <i>C 0928</i>	-W. inner mole.	55° 30.5' N 9° 43.5' E	F.G.	16 5	3	Green post; 10.	Visible 120°-300°.
2536 <i>C 0932</i>	W. Lillebaeltsbro.	55° 31.0' N 9° 42.5' E	F.W., F.R., F.G.	16 5		On piers.	F.W. shown from each side of bridge at middle of center span. Fixed light at each corner of three passages, so arranged as to show R. to port and G. to starboard of approaching vessels. N. passage lit for westbound traffic, S. passage for eastbound traffic and middle passage for traffic in either direction.
BORUP:							
2540 <i>C 0936</i>	-Snoghoj.	55° 31.5' N 9° 41.7' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	20 6	W. 10 R. 8 G. 8	White house, red band; 26.	G. 056°-063°, W.-067°, R.-074°.
2544 <i>C 0934</i>	-N.	55° 31.7' N 9° 40.7' E	Iso.W.R.G. period 4s	23 7	W. 14 R. 10 G. 10	Gray post; 7.	G. 012°-028°, W.-036°30', R.-044°.
2548 <i>C 0938</i>	-W.	55° 31.7' N 9° 40.5' E	Iso.W.R.G. period 2s	16 5	W. 12 R. 10 G. 10	White house, red band; 23.	G. 290°-293°30', W.-295°, R.-302°. Shows bearing 294°42'.
2552 <i>C 0944</i>	Damgaard.	55° 31.6' N 9° 40.2' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	23 7	W. 12 R. 10 G. 10	White house, red band; 23.	G. 290°-293°30', W.-295°, R.-311°. Shows bearing 294°12'.
2556 <i>C 0950</i>	Skjaerbaek Fiskerihavn.	55° 30.8' N 9° 37.8' E	F.G.	14 4		Post.	
2560 <i>C 0948</i>	Skjaerbaek.	55° 30.7' N 9° 37.0' E	Oc.(2)W.R.G. period 12s lt. 6s, ec. 2s lt. 2s, ec. 2s	118 36	W. 14 W. 12 R. 10 R. 8 G. 10 G. 8	Factory.	G. (unintensified) 035°30'-042°30', W. (unintensified)-044°, R. (unintensified)-049°, G. 309°30'-313°, W.-316°, R.-321°.
2564 <i>C 0949</i>	-Range, front.	55° 30.7' N 9° 37.1' E	F.R.	30 9	5	Mast, orange triangular daymark point up.	Visible 239°18'-059°18'. Shown on request.
2568 <i>C 0949.1</i>	--Rear, 86 meters 329°18' from front.	55° 30.7' N 9° 37.0' E	F.R.	43 13	5	Mast, orange triangular daymark point down.	Shown on request.
2572 <i>C 0956</i>	Drejensodde, S. side of point.	55° 29.8' N 9° 35.0' E	Oc.W.R.G. period 5s	14 4	W. 8 R. 4 G. 3	Green wooden hut; 13.	G. 243°-252°30', W.-255°, R.-260°30', G.-276°.
KOLDING HAVN:							
2576 <i>C 0958</i>	-Range, front.	55° 29.6' N 9° 29.5' E	F.R.	29 9	13	Gray framework tower; 30.	Shown 24 hours.

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DENMARK-KATTEGAT AND BELTS							
2580 <i>C 0958.1</i>	--Rear, 514 meters 267° from front.	55° 29.6' N 9° 29.0' E	F.R.	49 15	13	Gray framework tower; 49.	Shown 24 hours.
2584 <i>C 0960</i>	-N. mole, head.	55° 29.6' N 9° 30.1' E	Fl.G. period 3s	19 6	4	Round pipe, green stripes; 13.	
2588 <i>C 0959</i>	-S. mole, head.	55° 29.6' N 9° 30.1' E	Fl.R. period 3s	20 6	4	Gray pile, red band; 13.	
2592 <i>C 0964</i>	Middlefart Yacht Harbor, jetty, head.	55° 29.5' N 9° 43.4' E	F.G.	13 4	4	Metal post.	
2596 <i>C 0962</i>	Faeno.	55° 28.5' N 9° 42.1' E	Fl.W.R.G. period 5s fl. 1s, ec. 4s	36 11	W. 11 R. 8 G. 8	Gable of white house; 26.	G. 338°-342°, W.-346°, R.-350°.
2608 <i>C 0968</i>	-Tvingsbjerg.	55° 18.6' N 9° 53.6' E	Iso.W.R.G. period 2s	39 12	W. 12 R. 8 G. 8	White house; 26.	G. 036°-041°, W.-043°, R.-048°.
			Oc.W.R.G. period 5s lt. 4s, ec. 1s	39 12	W. 13 R. 10 G. 10		G. 117°-121°, W.-125°, R.-129°.
2612 <i>C 0968.1</i>	-NE. rear, 2.2 km. 042° from front.	55° 19.5' N 9° 55.0' E	Iso.W. period 4s	92 28	14	White tower, red bands; 33.	Visible 036°-048°.
ASSENS:							
2616 <i>C 0977</i>	-Breakwater.	55° 16.3' N 9° 53.0' E	Oc.W.R.G. period 10s lt. 8s, ec. 2s	16 5	W. 14 R. 11 G. 11	White structure, red band; 13.	G. 158°-164°, W.-173°, R.-180°.
2617 <i>C 0982</i>	-W. mole, head.	55° 16.3' N 9° 53.1' E	Fl.G. period 3s fl. 0.7s, ec. 2.3s	16 5	4	Green hut; 10.	
2618 <i>C 0983</i>	-E. mole, head.	55° 16.3' N 9° 53.2' E	Fl.R. period 3s fl. 0.7s, ec. 2.3s	16 5	3	Pole.	
2620 <i>C 0970</i>	Arosund, S. harbor mole.	55° 15.7' N 9° 42.7' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	30 9	W. 10 R. 8 G. 8	White cylindrical tower; 33.	G. 126°-171°, R.-194°, G.-205°, W.-211°, R.-220°, G.-330°, W.-335°, R.-337°.
2624 <i>C 0970.4</i>	-E. ferry mole, N. head.	55° 15.7' N 9° 42.8' E	F.R.	13 4	4	Gray post; 7.	
2628 <i>C 0969</i>	Aaro Island.	55° 15.4' N 9° 43.6' E	Iso.W.R.G. period 2s	39 12	W. 11 R. 8 G. 8	White round tower, red band; 43.	R. 306°-322°, G.-353°, W.-001°, R.-151°, G.-184°, W.-187°, R.-193°, partially obscured 178°-193°.
2632 <i>C 0970.6</i>	Aaro Havn, S. mole, head.	55° 15.6' N 9° 43.7' E	Fl.G. period 3s	13 4	3	Gray post; 10.	
2636 <i>C 0988</i>	Helnaes.	55° 08.0' N 9° 58.7' E	Fl.W.R.G. period 5s fl. 1s, ec. 4s	98 30	W. 13 R. 10 G. 10	White square tower; 92.	R. 302°-321°, G.-330°, W.-343°, R.-030°, G.-075°, W.-125°, R.-141°, G.-179°.
2640 <i>C 0989.6</i>	Bojden Ferry Harbor, N. mole, head.	55° 06.4' N 10° 04.8' E	Fl.R. period 3s	26 8	5	Gray metal framework tower; 16.	Shown 24 hours.
2644 <i>C 0989.4</i>	-S. mole, head.	55° 06.4' N 10° 04.8' E	Fl.G. period 3s	26 8	5	Gray framework mast; 16.	Shown 24 hours. Siren: 1 bl. ev. 20s (bl. 5s, si. 15s). Sounded during poor visibility when ferry is expected.
2648 <i>C 0988.4</i>	Faldsled Havn.	55° 09.1' N 10° 08.5' E	F.G.	14 4	4	Green post; 13.	
2652 <i>C 1030</i>	Nordborg.	55° 04.7' N 9° 42.7' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	88 27	W. 12 R. 10 G. 10	Yellow cylindrical tower; 66.	G. 065°-070°, W.-073°, R.-171°, G.-184°30', W.-236°, R.-254°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-KATTEGAT AND BELTS							
ABENERA HAVN:							
2656 C 1048	Sonderstrand.	55° 01.8' N 9° 25.3' E	Oc.W.R.G. period 5s lt. 3s, ec. 2s	14 4	W. 15 R. 12 G. 12	White and orange wooden hut.	G. 252°-255°, W.-257°, R.-260°.
2660 C 1050	-Sydhavn Range, front.	55° 02.0' N 9° 26.0' E	Iso.G. period 2s	49 15	5	Gray framework tower, red triangular daymark point up; 46.	
2664 C 1050.1	--Rear, 160 meters 320°12' from front.	55° 02.4' N 9° 25.7' E	Iso.G. period 4s	69 21	5	Gray framework tower, red triangular daymark point down; 66.	
2668 C 1052	-N. of Nyhavn Range, front.	55° 03.0' N 9° 26.0' E	Iso.R. period 2s	36 11	5	Gray framework mast; 26.	
2672 C 1052.1	--Rear, 235 meters 350°18' from front.	55° 03.0' N 9° 25.7' E	Iso.R. period 4s	62 19	5	Gray framework mast; 59.	
2676 C 1055	-Oil pier Range, front.	55° 03.0' N 9° 26.0' E	F.W.	13 4	7	Wooden post, white cross topmark; 13.	Marks east limit of dredged area.
2680 C 1055.1	--Rear, 50 meters 027° from front.	55° 02.6' N 9° 26.0' E	F.W.	23 7	7	Wooden post, white cross topmark; 20.	
2684 C 1065	--E. side of pier.	55° 01.6' N 9° 26.9' E	Fl.R. period 3s fl. 0.8s, ec. 2.2s	19 6	5	Mast, mooring dolphin; 10.	Shown 24 hours.
2688 C 1067.4	Als Fjord, cable Range, front.	55° 00.4' N 9° 39.0' E	F.R.	19 6	3	Framework mast, round daymark; 16.	Visible 230°-240°.
2692 C 1067.5	--Rear, 235° from front.	55° 00.4' N 9° 38.9' E	F.R.W. (vert.)	36 11	3	Framework mast, round daymark, diamond daymark; 30.	Visible 230°-240°. 2 meters apart.
2696 C 1067	Als Fjord Range, front.	55° 00.3' N 9° 39.2' E	F.R.			Framework tower, red round daymark, white border.	
2700 C 1067.1	--Rear, 27 meters 235° from front.	55° 00.3' N 9° 39.2' E	F.R.W. (vert.)			Framework tower, red and white round daymark, red and white diamond daymark.	Visible 230°-240°.
2704 C 1066	Ballebro.	54° 59.8' N 9° 40.4' E	Iso.W.R.G. period 2s	36 11	W. 10 R. 8 G. 8	White cylindrical tower, red band; 20.	G. 128°-140°, W.-152°, R.-253°, G.-262°30', W.-274°, R.-283°.
2708 C 1122	Sottrupskov.	54° 58.3' N 9° 44.6' E	Iso.W.R.G. period 4s	30 9	W. 6 R. 5 G. 5	White pedestal, red band; 7.	G. 151°-192°30', W.-201°, R.-238°.
2712 C 1032	Tranerodde.	55° 02.7' N 9° 51.1' E	Iso.W.R.G. period 2s	39 12	W. 15 R. 13 G. 13	White cylindrical tower, red band; 33.	R. 131°-191°, G.-280°, W.-290°, R.-301°.
2716 C 1034	Taksensand.	55° 00.4' N 9° 57.9' E	Oc.(2)W.R.G. period 12s lt. 6s, ec. 2s lt. 2s, ec. 2s	49 15	W. 15 R. 12 G. 12	White cylindrical tower; 62.	G. 127°-135°, W.-139°, R.-174°, G.-186°, W.-323°.
2718 C 1035.3	-Boat Harbor.	54° 59.6' N 9° 59.3' E	Oc.R. period 5s lt. 4s, ec. 1s	13 4	4	Red metal tower; 7.	
2720 C 1035.4	Fynshavn Ferry Harbor, S. mole, head.	54° 59.8' N 9° 59.3' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	23 7	6	Gray framework tower; 16.	Shown 24 hours. Siren: 2 bl. ev. 30s (bl. 5s, si. 5s, bl. 5s, si. 15s). Sounded when ferries are running.
2724 C 1035.8	-N. mole, head.	55° 00.0' N 9° 59.0' E	Fl.G. period 5s	23 7	6	Gray framework tower; 16.	Fog light. Shown 24 hours.
2728 C 1037	Fynshavn Cable Range, front.	54° 59.7' N 9° 58.6' E	F.R.	26 8	5	Tripod, round daymark; 13.	Visible 152°30'-272°30'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-KATTEGAT AND BELTS							
2732 C 1037.1	-Rear, 212°30' from front.	54° 59.7' N 9° 58.5' E	F.W.R. (vert.)	47 14	5	Metal framework mast, round daymark, diamond daymark; 33.	Visible 152°30'-272°30'.
2736 C 0989.8	Hornenaes Cable Range, front.	55° 04.6' N 10° 04.8' E	F.R.	49 15	5	Metal framework mast, round daymark; 20.	Visible 334°36'-094°36'.
2740 C 0989.81	-Rear, 034° from front.	55° 04.6' N 10° 04.9' E	F.W.R. (vert.)	72 22	5	Metal framework mast, round daymark, diamond daymark; 30.	Visible 334°36'-094°36'.
2748 C 0991	Bjorno.	55° 03.3' N 10° 15.7' E	Iso.W.R.G. period 4s	20 6	W. 10 R. 8 G. 8	White hut, red band; 10.	G. 040°-052°, W.-060°, R.-071°.
FAABORG FJORD:							
2752 C 0992	-Sisserodde.	55° 04.6' N 10° 13.7' E	Iso.W.R.G. period 2s	26 8	W. 16 R. 14 G. 14	White hut, red band; 16.	G. 350°42'-352°12', W.-354°12', R.-355°42'.
2760 C 0994	-Dyreborg Havn.	55° 04.3' N 10° 13.1' E	F.G.	10 3	2	Mast; 7.	
2764 C 0998	-Osterhede Range, front.	55° 05.2' N 10° 15.6' E	F.G.	42 13	4	Brown mast, red bands, red triangular daymark point up; 36.	Visible 043°30'-049°30'. Shown 24 hours.
2768 C 0998.1	--Rear, 212 meters 047° from front.	55° 05.2' N 10° 15.7' E	F.G.	59 18	4	Brown mast, red triangular daymark point down; 36.	Visible 043°30'-049°30'. Shown 24 hours.
-Faaborg Havn:							
2776 C 1004	--E. mole Range, front.	55° 05.6' N 10° 14.3' E	F.R.	20 6	4	Gray post, red triangular daymark point up; 13.	Visible 260°-002°. Fl.G. 3s 4M shown from head of pier 75 meters SSW.
2780 C 1004.1	---Munkholm, rear, 189 meters 336°30' from front.	55° 05.7' N 10° 14.3' E	F.R.	36 11	4	Framework tower, red triangular daymark point down; 43.	Visible 224°-089°. Shown 24 hours.
AVERNAKO:							
2784 C 1020	-Nakkeodde, E. head.	55° 01.0' N 10° 20.0' E	Oc.W.R.G. period 5s fl. 4s, ec. 1s	30 9	W. 11 R. 8 G. 8	White hut, red band; 10.	G. 115°12'-123°, W.-130°, R.-143°.
2788 C 1016	-Munke , E. side of Avernako.	55° 01.4' N 10° 16.3' E	Iso.W.R.G. period 4s	33 10	W. 15 R. 11 G. 11	White hut, red band; 13.	G. 259°-264°, W.-268°, R.-273°.
AERO:							
2792 C 1070	-Skjoldnaes.	54° 58.2' N 10° 12.4' E	L.Fl.W. period 30s fl. 4s, ec. 26s	106 32	22	Round granite tower; 72.	
2796 C 1068	Vitso Range, front.	54° 55.4' N 10° 14.6' E	F.R.	12 4		Mast, red round daymark, white border; 16.	Marks cable.
2800 C 1068.1	-Rear, 220 meters 077° from front.	54° 55.4' N 10° 14.9' E	F.W.R. (vert.)	25 8		Mast, red and white round daymark, red and white diamond daymark; 30.	
2804 C 1074	-Soby Havn.	54° 56.6' N 10° 15.5' E	Iso.W.R. period 2s	20 6	W. 7 R. 5	White hexagonal tower; 13.	W. 151°-255°, R.-151°. F.G. 4M marks W. mole. Siren: 2 bl. ev. 60s (bl. 5s, si. 5s, bl. 5s, si. 45s).
2808 C 1078	-Aeroskobing Havn, E. mole, head.	54° 53.6' N 10° 24.9' E	Fl.R. period 5s fl. 1s, ec. 4s	13 4	4	Red post; 7.	Shown 24 hours, Apr. 1 to Nov. 15. Fl.G. 3s shown on S. part of mole.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-KATTEGAT AND BELTS							
2812 <i>C 1076</i>	-Range, front, W. mole, head.	54° 53.5' N 10° 24.8' E	F.G.	36 11	5	Green metal mast, white top, red triangular daymark point up; 23.	Visible 136°18'-256°18'.
			FI.G.	13 4	4	Floodlit.	
2816 <i>C 1076.1</i>	--Rear, about 145 meters 196° from front.	54° 53.4' N 10° 24.8' E	F.G.	49 15	5	White metal mast, red triangular daymark point down; 43.	Visible 136°18'-256°18'.
2818 <i>C 1077</i>	-Dejro.	54° 54.0' N 10° 25.2' E	FI.(2)R. period 5s	8 2	3	Red dolphin.	
-Marstal Havn:							
2820 <i>C 1086</i>	--N. Range, about 1.4 km., 331° from church, front.	54° 52.0' N 10° 30.5' E	FR.	15 5	5	Mast, red triangular daymark point up; 16.	Visible 184°48'-324°48'.
2824 <i>C 1086.1</i>	---Rear, 125 meters 254°48' from front.	54° 52.0' N 10° 30.4' E	FR.	36 11	5	Mast, red triangular daymark point down; 20.	Visible 184°48'-324°48'.
2825 <i>C 1087</i>	--S. channel Range, front.	54° 51.5' N 10° 31.6' E	Iso.W. period 2s	21 6	7	Gray framework tower, white mast; 20.	Visible 303°24'-335°24'.
2825.1 <i>C 1087.1</i>	---Rear, 279 meters 319°24' from front.	54° 51.6' N 10° 31.4' E	Iso.W. period 4s	33 10	8	Gray framework tower, white mast; 33.	Visible 303°24'-335°24'.
2826 <i>C 1087.8</i>	--	54° 51.4' N 10° 31.3' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	20 6	W. 8 R. 5 G. 5	Gray mast; 13.	G. 281°24'-286°24', W.-290°24', R.-294°24', G.-301°24'.
2828 <i>C 1088</i>	--S. Range, front.	54° 51.0' N 10° 31.0' E	F.G.	26 8	3	Gray framework tower, red triangular daymark point up; 36.	
2832 <i>C 1088.1</i>	---Rear, 238 meters 178°42' from front.	54° 51.3' N 10° 31.4' E	F.G.	42 13	3	Gray framework tower, red triangular daymark point down; 36.	
2833 <i>C 1084</i>	Aeros Hale cable Range, front.	54° 50.6' N 10° 31.0' E	FR.	16 5	5	Mast, red round daymark, white border.	Visible 219°48'-359°48'. Shown 24 hours.
2833.1 <i>C 1084.1</i>	-Rear, 350 meters 288° from front.	54° 50.7' N 10° 30.7' E	F.W.R. (vert.)	43 13	W. 6 R. 5	Metal framework tower, red and white round daymark, red and white diamond daymark; 33.	Visible 219°48'-359°48'. Shown 24 hours. 4 meters apart.
2834 <i>C 1084.3</i>	Ristinge, S. cable Range, front.	54° 49.8' N 10° 36.3' E	FR.	59 18	5	Two masts, red round daymark, white border; 16.	Visible 032°12'-172°12'. Shown 24 hours.
2834.1 <i>C 1084.31</i>	-Rear, 102°12' from front.	54° 49.8' N 10° 36.4' E	F.W.R. (vert.)	89 27	W. 6 R. 5	Two masts, red and white round daymark, red and white diamond daymark.	Visible 032°12'-172°12'. Shown 24 hours. 4 meters apart.
2836 <i>C 1082</i>	-Vejsnaes Nakke.	54° 49.0' N 10° 25.4' E	FI.W. period 5s fl. 1s, ec. 4s	75 23	12	White three-sided structure, red band; 26.	Visible 220°-130°.
2840 <i>C 1704</i>	Stryno Range, front.	54° 53.5' N 10° 36.9' E	FR.	19 6	8	Mast, round daymark; 23.	Visible 274°-310°.
2844 <i>C 1704.1</i>	-Rear, 270 meters 292° from front.	54° 53.6' N 10° 36.8' E	F.W.R. (vert.)	33 10	8	Metal framework tower, round daymark, diamond daymark; 23.	Visible 274°-310°. 2 meters apart.
2848 <i>C 1703</i>	-Pier, head.	54° 54.2' N 10° 37.8' E	F.W.R.G.	16 5	W. 7 R. 4 G. 4	Roof of red warehouse.	G. 016°-246°, W.-355°, R.-016°. Shown 24 hours.
MOMMARK (MUMMARK):							
2852 <i>C 1042</i>	-E. mole, head.	54° 56.0' N 10° 02.7' E	FR.	11 3	5	Gray post; 7. Floodlit.	
2856 <i>C 1046</i>	-Outer mole, head.	54° 56.0' N 10° 02.8' E	FI.R. period 3s fl. 0.7s, ec. 2.3s	13 4	5	Gray post; 7.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-KATTEGAT AND BELTS							
2864 <i>C 1098</i>	Hummelvig Range, front.	54° 53.8' N 10° 03.5' E	F.R.	16 5		Framework tower, red round daymark, white border; 20.	Marks cable.
2868 <i>C 1098.1</i>	-Rear, 50 meters 256° from front.	54° 53.8' N 10° 03.4' E	F.W.R. (vert.)	30 9		Framework tower, red and white round, red diamond daymark, white border; 33.	
2872 <i>C 1100</i>	Gammel-Pol.	54° 52.9' N 10° 04.2' E	Oc.(3)W.R.G. period 15s lt. 5s, ec. 2s lt. 2s, ec. 2s	65 20	W. 11 R. 8 G. 8	White column, red band; 36.	W. 166°30'-320°, R.-008°, G.-036°30', W.-049°, R.-166°30'.
FLENSBORG FJORD:							
2876 <i>C 1104</i>	-Kegnaes (Kekenis).	54° 51.2' N 9° 59.3' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	105 32	W. 12 R. 10 G. 10	Yellow round tower; 59.	R. 217°-266°30', G.-273°, W.-289°30', R.-337°, G.-026°, W.-044°, R.-050°30', G.-075°, W.-080°, R.-102°30'.
2880 <i>C 1115.5</i>	Sonderborg.	54° 53.9' N 9° 47.5' E	F.G.	13 4		4 Post; 7.	
2888 <i>C 1116.4</i>	-Near Castle.	54° 54.4' N 9° 46.9' E	Fl.G. period 5s fl. 1s, ec. 4s	16 5		5 Framework mast, green post; 7.	Visible 284°-258°. Radar reflector.
2892 <i>C 1117</i>	-W. side of channel.	54° 54.4' N 9° 46.9' E	Fl.R. period 5s fl. 1s, ec. 4s	16 5		5 Framework mast, red pile; 7.	Visible 114°-342°. Radar reflector.
2893 <i>C 1115.4</i>	Horuphav Havn.	54° 54.3' N 9° 53.4' E	Fl.G. period 3s fl. 0.8s, ec. 2.2s	7 2		4 White post; 7. Floodlit.	
DENMARK AND GERMANY-FLENSBORG FJORD							
2900 <i>C 1113</i>	Kalkgrund (G.).	54° 49.5' N 9° 53.3' E	Iso.W.R.G. period 8s	72 22	W. 14 R. 13 G. 12	Red cylindrical tower, two white bands, three galleries; 79. Floodlit.	W. 012°-062°, R.-084°, W.-100°, R.-120°, W.-131°30', G.-157°, W.-164°, R.-190°, W.-252°36', G.-258°, W.-265°, R.-292°, W.-308°, R.-012°. Horn: Mo.(FS) ev. 30s.
	RACON		T(-)		8		(3 cm).
2912 <i>C 1115</i>	-Mole Range, front (G).	54° 45.2' N 9° 51.8' E	Iso.W. period 4s	43 13		7 Framework tower, white triangular daymark point up, red border; 33.	Occasional.
2916 <i>C 1115.1</i>	--Rear, 40 meters 208° from front.	54° 45.2' N 9° 51.8' E	Iso.W. period 4s	52 16		7 Framework tower, white triangular daymark point down, red border; 43.	Synchronized with front. Occasional.
2920 <i>C 1126</i>	Langballigau (G.) Range, front.	54° 49.3' N 9° 39.2' E	Oc.(2)W. period 9s lt. 2s, ec. 1s lt. 5s, ec. 1s	20 6		8 Gray mast; 13.	
2924 <i>C 1126.1</i>	-Rear, 50 meters 177° from front.	54° 49.3' N 9° 39.2' E	Oc.(2)W. period 9s lt. 2s, ec. 1s lt. 5s, ec. 1s	33 10		8 Gray mast; 33.	Synchronized with front.
2928 <i>C 1134</i>	Holnis (G.).	54° 51.7' N 9° 34.4' E	Iso.W.R.G. period 6s	105 32	W. 13 R. 10 G. 11	Red tower, white band; 85.	R. 053°-060°, W.-066°30', G.-091°30', W.-189°, R.-196°, W.-203°, R.-208°, G. 283°-289°, W.-294°30', R.-302°, obscured 299°30'-300°30'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK AND GERMANY-FLENSBURG FJORD							
2932 C 1136	Skodsbol (Schottsbull) Range (D), front.	54° 53.6' N 9° 38.4' E	Iso.W. period 2s	36 11	10	White cylindrical tower, red band; 26.	Visible 008°-078°.
2936 C 1136.1	-Rear, 900 meters 028° from front.	54° 54.0' N 9° 38.8' E	Iso.W. period 4s	79 24	12	White metal framework tower, red diamond daymark; 23.	
2940 C 1137	Marina Minde, W. pier, head.	54° 53.9' N 9° 36.9' E	F.G.	13 4	4	Post.	
2944 C 1166	Rinkenæs Range, front.	54° 53.4' N 9° 34.6' E	Iso.W.G. period 2s	33 10	W. 11 G. 8	White round tower, red band.	W. 227°-312°, G.-004°.
2948 C 1166.1	-Rear, about 1 km. 289°30' from front.	54° 53.6' N 9° 33.8' E	Iso.W. period 4s	98 30	11	White framework tower, white diamond daymark; 23.	Visible 281°-299°.
2952 C 1140	Lagemade Range, front.	54° 54.1' N 9° 36.9' E	Iso.R. period 2s	43 13	14	White round tower, red band, red triangular daymark point up; 26.	Visible 044°-052°.
2956 C 1140.1	-Rear, 700 meters 048° from front.	54° 54.4' N 9° 37.3' E	Iso.R. period 4s	85 26	14	White metal framework mast, red top, red triangular daymark point down; 69.	Visible 041°-059°.
EGERNSUND:							
2960 C 1146	-Range, front.	54° 54.4' N 9° 35.7' E	F.R.	10 3		Framework tower, red triangular daymark point up; 7.	
2964 C 1146.1	--Rear, 30 meters 335°30' from front.	54° 54.4' N 9° 35.6' E	F.R.	20 6		Framework tower, red triangular daymark point down; 20.	
2966 C 1175	Farensodde.	54° 49.4' N 9° 28.4' E	F.R.	13 4		Red tower, white bands; 10.	
2966.1 C 1175.5	-Inner harbor.	54° 49.4' N 9° 28.3' E	F.G.	13 4		Green tower, white bands; 10.	Visible 325°-077°30'.
FLENSBURG:							
2972 C 1176	-Kielseng.	54° 48.3' N 9° 26.8' E	Dir.Oc.W.R.G. period 4s lt. 3s, ec. 1s	105 32	W. 10 R. 3 G. 3	Mast; 16.	G. 193°-195°, W.-199°, R.-201°.
2980 C 1180	-Kraftwerk Range, front.	54° 48.2' N 9° 26.1' E	Iso.G. period 4s	49 15	12	White mast; 43.	Shown 24 hours.
2984 C 1180.1	--Rear, 80 meters 229° from front.	54° 48.2' N 9° 26.0' E	Iso.G. period 4s	62 19	13	White mast; 59.	Shown 24 hours.

Section 3

Northeast Coast of Germany, Store Baelt, Sjaelland, Lolland and Falster Including Kieler Bucht and Mecklenburger Bucht

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GERMANY-KIEL BAY							
SCHLEI:							
-Schleimunde:							
3000 <i>C 1186</i>	--Mole, head.	54° 40.3' N 10° 02.2' E	L.Fl.(3)W.R.G. period 20s fl. 2s, ec. 3s fl. 2s, ec. 3s fl. 2s, ec. 8s	46 14	W. 13 R. 11 G. 11	White tower, black band; 46. Floodlit.	R. 144°-201°, G.-275°, W.- 296°, R.-006°. Horn: Mo.(SN) ev. 30s (bl. 13s, si. 17s).
3004 <i>C 1188</i>	--Near steamship's pier Range, front.	54° 40.4' N 10° 02.0' E	Oc.W. period 4s lt. 3s, ec. 1s	20 6	9	White pile; 16.	Visible 040°-175°.
3008 <i>C 1188.1</i>	--Rear, 90 meters 107°30' from front.	54° 40.3' N 10° 02.0' E	Oc.W. period 4s lt. 3s, ec. 1s	27 8	9	White mast; 20.	Visible 040°-175°. Synchronized with front.
3036 <i>C 1189</i>	-Lotseninsel Range, front.	54° 40.6' N 10° 01.3' E	Iso.W. period 4s	33 10	11	White mast; 33.	Intensified on range line.
3040 <i>C 1189.1</i>	--Rear, 800 meters 093°42' from front.	54° 40.5' N 10° 02.1' E	Iso.W. period 4s	72 22	13	White mast; 62.	Synchronized with front. Intensified on range line.
3044 <i>C 1190</i>	-Grimsnis Range, front.	54° 40.6' N 9° 56.5' E	Iso.W. period 4s	23 7	11	White pile; 19.	Intensified on range line.
3048 <i>C 1190.1</i>	--Rear, 595 meters 266° from front.	54° 40.5' N 9° 56.0' E	Iso.W. period 4s	52 16	13	White pile; 19.	Intensified on range line.
3052 <i>C 1192</i>	-Kappeln Range, front.	54° 40.0' N 9° 56.2' E	Oc.W. period 4s lt. 3s, ec. 1s	26 8	9	White pile; 19.	Intensified on range line.
3056 <i>C 1192.1</i>	--Rear, 136 meters 213°18' from front.	54° 39.9' N 9° 56.2' E	Oc.W. period 4s lt. 3s, ec. 1s	36 11	9	White pile; 13.	Synchronized with front. Intensified on range line.
3057 <i>C 1197</i>	-Olpenitz, N. mole, head.	54° 39.6' N 10° 02.6' E	F.G.	30 9	3	Metal mast; 19.	
3058 <i>C 1198</i>	--S. mole, head.	54° 39.5' N 10° 02.5' E	F.R.	30 9	3	Red mast; 19.	
DAMP:							
3060 <i>C 1202</i>	-Jachtfen, N. mole.	54° 34.9' N 10° 01.7' E	Fl.G. period 4s fl. 0.5s, ec. 3.5s	26 8	3	Green mast; 26.	Platforms marked by Mo(U) 5s and Fog signal 2.1 miles ENE. and 1.9 miles SE.
3064 <i>C 1203</i>	--S. mole.	54° 34.8' N 10° 01.7' E	Q.(2)R. period 5s	26 8	3	Red mast; 26.	
ECKERNFORDE:							
3068 <i>C 1206</i>	Eckernforde.	54° 27.6' N 9° 50.6' E	Dir.Oc.W.R.G. period 4s lt. 3s, ec. 1s Fl.(2)W. period 9s fl. 1s, ec. 2s fl. 1s, ec. 5s F.W.R.	118 36	W. 21 R. 17 G. 18 21 W. 12 R. 8	Gray tower, two red platforms; 89.	G. 237°-242°, W.-244°30', R.- 251°. Visible 251°-268°. W. 180°-193°, R.-208°, W.- 237°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GERMANY-KIEL BAY							
3072 C 1210	-Harbor entrance.	54° 28.7' N 9° 50.6' E	Oc.W.R.G. period 4s lt. 3s, ec. 1s	37 11	W. 6 R. 4 G. 3	Red tower, white band; 33.	W. 195°-251°, G.-293°, W.-315°, R.-003°. Fog detector light at head of breakwater points ESE., activated by radio request to Ekenforde Harbor administration 0700 to 2200 hours. Occasional.
3074 C 1214	--Mole.	54° 28.2' N 9° 51.8' E	Fl.G. period 6s fl. 1.5s, ec. 4.5s	26 8	2	Gray mast; 13.	
3080 C 1215	Kiel.	54° 30.0' N 10° 16.4' E	Iso.W.R.G. period 6s	96 29	W. 17 R. 14 G. 13	Red round tower, white band, concrete base; 108. Floodlit.	W. 148°30'-220°, R.-246°30', W.-295°, R.-358°, W.-025°30', G.-056°, R.-071°-88°, W.-091°18', G.-148°30'. Horn: Mo.(Kl) ev. 30s.
KIELER FORDE:							
3084 C 1216	-Bulk.	54° 27.3' N 10° 11.8' E	Fl.W.R.G. period 3s fl. 0.7s, ec. 2.3s	95 29	W. 14 R. 11 G. 10	White tower, black band, two galleries, dwelling; 82.	W. 127°-146°, R.-213°, G.-228°, W.-235°30', R.-238°30', W.-262°, G.-043°.
3096 C 1220	-Strander Bucht.	54° 26.0' N 10° 10.3' E	Oc.W.R.G. period 6s lt. 5s, ec. 1s	46 14	W. 8 R. 6 G. 5	White mast, black band; 36.	G. 170°30'-246°, W.-280°30', R.-350°30'.
-Laboe:							
3100 C 1222	--N. mole, head.	54° 24.2' N 10° 13.0' E	Oc.(4)W.R. period 15s lt. 2s, ec. 1s lt. 2s, ec. 1s lt. 2s, ec. 1s lt. 5s, ec. 1s	39 12	W. 5 R. 3	White mast; 33.	R. 016°-070°, W.-162°, R.-200°.
3104 C 1226	-Jagersberg Range, front.	54° 23.6' N 10° 12.4' E	Oc.W. period 4s lt. 3s, ec. 1s	49 15	12	White mast; 36.	Intensified on range line.
3108 C 1226.1	--Rear, 405 meters 037° from front.	54° 23.8' N 10° 12.6' E	Oc.W. period 4s lt. 3s, ec. 1s	82 25	12	White mast; 75.	Synchronized with front. Intensified on range line.
KIEL:							
3112 C 1230	-Friedrichsort.	54° 23.4' N 10° 11.6' E	Iso.W.R.G. period 4s	104 32	W. 7 R. 6 G. 5	Green tower, white band; 105. Floodlit.	G. 171°30'-196°, W.-202°, R. 209°-224°, W.-280°, G.-300°, W.-032°, G.-090°. F.Y. shown in fog, visible 019°-039° and 188°-209°.
				FW.	6		Visible 202°-209°.
-Nord-Ostsee-Kanal:							
3116 C 1246	--N. side of entrance.	54° 22.2' N 10° 09.2' E	Oc.(3)W.G. period 12s lt. 2s, ec. 1s lt. 2s, ec. 1s lt. 5s, ec. 1s	72 22	W. 11 G. 8	Red tower, annex; 66.	G. 217°-224°, W.-270°, G.-354°, G. (unintensified)-012°, W. (unintensified)-039°. F.R. on tower 865 meters SW. and on church 340 meters WNW. Lights mark Nord-Ostsee-Kanal.
3120 C 1248	--S. side of entrance.	54° 21.8' N 10° 09.1' E	Oc.(2)W.R. period 9s lt. 2s, ec. 1s lt. 5s, ec. 1s	89 27	9	Red tower, white bands, red lantern, two galleries; 89.	R. (unintensified) 159°-192°, W.-214°, R.-288°, W.-302°, W. (unintensified)-003°.
3124 C 1238	-Tirpitzhafen.	54° 21.2' N 10° 08.9' E	FR.	36 11	3	Red mast; 30.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GERMANY-KIEL BAY							
3128 C 1237	-Scheermole, head.	54° 21.3' N 10° 09.1' E	F.G.	38 12	3	Mast; 26.	
3136 C 1276	Neuland.	54° 22.0' N 10° 36.0' E	FL.Y.R. period 5s fl. 0.1s, ec. 4.9s	131 40	Y. 6 R. 5	Gray tower.	Firing range signal. Signal station F.R. shown from chimney 1.5 miles WNW.
HEILIGENHAFEN:							
3140 C 1336	-Dredged channel Range, front.	54° 22.0' N 11° 00.0' E	Oc.W. period 4s lt. 3s, ec. 1s	42 13	17	White mast; 36.	Intensified on range line.
3144 C 1338	--Rear, 312 meters 268°30' from front.	54° 22.4' N 10° 59.5' E	Oc.W. period 4s lt. 3s, ec. 1s	62 19	17	Pile, building; 49.	Synchronized with front. Intensified on range line.
3148 C 1329	-Warder Range, front.	54° 23.0' N 10° 59.0' E	Iso.W. period 3s	42 13	17	White mast; 46.	
3152 C 1329.1	--Rear, 195 meters 279°12' from front.	54° 22.6' N 10° 59.0' E	Iso.W. period 3s	59 18	17	White mast; 52.	
3156 C 1328	-Heilig Road, E. of town.	54° 22.0' N 11° 01.3' E	Oc.(2)W.R.G. period 9s lt. 2s, ec. 1s lt. 5s, ec. 1s	51 16	W. 13 R. 10 G. 9	Red and white tower, platform; 43.	G. 100°-206°, W.-212°12', R.- 250°.
3164 C 1280	Westermarkelsdorf.	54° 31.7' N 11° 03.4' E	L.Fl.W.R. period 10s fl. 2.5s, ec. 7.5s	52 16	W. 18 R. 14	Yellow tower, red lantern, gallery; 56.	R. 031°-054°, W.-200°, R.- 231°, W.-254°, R.-260°.
GERMANY-MECKLENBURGER BUCHT							
FEHMARN:							
3168	-KIEL-OSTSEE ROUTE LANBY KO6/T63.	54° 35.9' N 11° 08.9' E	Iso.W. period 8s			Red superbuoy, white stripe, red ball topmark.	
	-RACON		T(-)		8		(3 & 10cm).
3170	-Kiel-Ostsee Route Buoy KO5/ T62.	54° 35.5' N 11° 01.0' E	Iso.W. period 4s			SAFE WATER RW, pillar, topmark.	
	-RACON		M(- -)		8		(3cm).
3172 C 1281	-Puttgarden entrance Range, front.	54° 30.2' N 11° 13.7' E	Oc.W.R.G. period 4s lt. 3s, ec. 1s	59 18	W. 8 R. 6 G. 5	White mast, red bands; 59.	G. 146°-183°, W.-227°, R.- 264°.
3176 C 1281.1	--Rear, 300 meters 205° from front.	54° 30.0' N 11° 13.6' E	Oc.W. period 4s lt. 3s, ec. 1s	95 29	9	White mast, red bands.	Synchronized with front.
3180 C 1282	-Puttgarden.	54° 30.4' N 11° 13.8' E	F.G.	23 7	4	Green mast; 13. Floodlit.	F.Y. shown in fog.
3184 C 1282.2	--E. mole, head.	54° 30.4' N 11° 14.0' E	F.R.	23 7	4	Red mast; 10. Floodlit.	F.Y. shown in fog.
3188 C 1284	-Marienleuchte.	54° 29.7' N 11° 14.3' E	Fl.(4)W.R. period 15s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 5.8s	131 40	W. 22 R. 18	Red tower, white bands, gallery; 108.	R. 118°-146°, W.-173°, R.- 223°18', W.-333°.
-Burgstaaken Hafen:							
3192 C 1286	--Staberhuk.	54° 24.2' N 11° 18.6' E	Oc.(2)W.G. period 16s lt. 3s, ec. 1s lt. 11s, ec. 1s	81 25	W. 18 G. 14	Yellow tower, red lantern; 72.	W. 175°-063°30', G.-071°30', W.-090°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GERMANY-MECKLENBURGER BUCHT							
3194 <i>C 1287</i>	-Mecklenburger Bucht.	54° 17.1' N 11° 24.6' E	Oc.(3)Y. period 12s	62 19		Yellow pile. Floodlit.	
3196 <i>C 1326</i>	--E. mole, head.	54° 24.4' N 11° 11.9' E	Oc.(3)W.R. period 12s lt. 2s, ec. 1s lt. 2s, ec. 1s lt. 5s, ec. 1s	30 9	W. 8 R. 5	White mast, black platform; 26.	R. 252°-282°, W.-021°, R.-042°, W.-186°.
3200 <i>C 1316</i>	--Burger See.	54° 24.6' N 11° 11.3' E	Iso.W.R.G. period 4s	43 13	W. 14 R. 11 G. 10	White mast; 43.	G. 312°-314°30', W.-316°, R.-318°.
3208 <i>C 1322</i>	--On pier Range, front.	54° 25.4' N 11° 11.4' E	Iso.W. period 8s	49 15		9 Gray mast; 43.	
3212 <i>C 1324</i>	---Rear, 167 meters 356°30' from front.	54° 25.3' N 11° 11.5' E	Iso.W. period 8s	75 23		9 Gray mast; 69.	
3216 <i>C 1288</i>	-Strukkamphuk E. Approach Range, front.	54° 24.6' N 11° 05.7' E	Iso.W.R. period 3s	23 7	W. 8 W. 3 R. 6	White round tower; 16.	W. 292°30'-317°30', W. (intensified)-037°, W.-157°, R.-177°.
3220 <i>C 1288.1</i>	--Flugge, rear, about 6.1 km. 305° from front.	54° 26.5' N 11° 01.1' E	F.W.	122 37		25 Octagonal tower, red top; 125.	Intensified on range line.
			Oc.(4)W. period 20s lt. 2.5s, ec. 1.5s lt. 2.5s, ec. 1.5s lt. 2.5s, ec. 1.5s lt. 6.5s, ec. 1.5s	125 38		17	Visible 245°-180°.
3228 <i>C 1300</i>	-Fehmarnsund Bridge, Pier VI.	54° 24.2' N 11° 06.8' E	Oc.W.R.G. period 4s lt. 3s, ec. 1s	75 23	W. 8 R. 6 G. 5	Bridge pillar.	G. 074°30'-086°, W.-094°, R.-108°. F.Y. shown in fog, visible 075°-110° and 250°-315°.
	-RACON		T(-)			2	(3 & 10cm).
3236 <i>C 1312</i>	-Orth.	54° 26.5' N 11° 03.0' E	Oc.W.R.G. period 4s lt. 3s, ec. 1s	20 6	W. 6 R. 5 G. 4	Gray mast; 16.	G. 346°-348°, W.-350°, R.-352°.
3244 <i>C 1342</i>	Dahmeshoved.	54° 12.1' N 11° 05.4' E	Fl.(3)W. period 12s fl. 0.8s, ec. 2.2s fl. 0.8s, ec. 2.2s fl. 0.8s, ec. 5.2s	108 33		23 Octagonal tower, red lantern; 92.	Visible 176°18'-068°18'.
3248 <i>C 1346</i>	Pezlerhaken.	54° 05.1' N 10° 52.0' E	L.Fl.(2)W.R.G. period 20s fl. 3s, ec. 4s fl. 3s, ec. 10s	69 21	W. 14 R. 11 G. 9	Red tower, platform, white lantern; 62.	W. 221°-335°, R.-348°, W.-082°, G.-092°, W.-101°.
NEUSTADT:							
3252 <i>C 1348</i>	-W. side of harbor Range, front.	54° 05.8' N 10° 48.6' E	Oc.W. period 4s lt. 3s, ec. 1s	46 14		12 White mast; 33.	Intensified on range line.
3256 <i>C 1348.1</i>	--Rear, 110 meters 347°48' from front.	54° 05.8' N 10° 48.6' E	Oc.W. period 4s lt. 3s, ec. 1s	62 19		12 White mast; 49.	Synchronized with front. Intensified on range line.
3260 <i>C 1348.4</i>	-Neustadt-Wiek Range, front.	54° 05.9' N 10° 47.9' E	Oc.(3)W. period 12s lt. 2s, ec. 1s lt. 2s, ec. 1s lt. 5s, ec. 1s	37 11		6 White mast; 23.	Intensified on range line.
3264 <i>C 1348.41</i>	--Rear, 60 meters 304° from front.	54° 05.9' N 10° 47.9' E	Oc.(3)W. period 12s lt. 2s, ec. 1s lt. 2s, ec. 1s lt. 5s, ec. 1s	49 15		6 White mast; 30.	Synchronized with front. Intensified on range line.
3272 <i>C 1350</i>	-Seeburg Range, front.	54° 05.9' N 10° 48.9' E	Iso.W. period 3s	43 13		9 White mast, dolphin; 33.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GERMANY-MECKLENBURGER BUCHT							
3276 <i>C 1350.1</i>	--Rear, 50 meters 020°30' from front.	54° 06.0' N 10° 48.9' E	Iso.W. period 3s	52 16	9	White mast; 49.	Synchronized with front.
TRAVEMUNDE:							
3296 <i>C 1370</i>	-Priwall Harbor Range, front.	53° 57.4' N 10° 53.1' E	Oc.(2)W. period 9s lt. 2s, ec. 1s lt. 5s, ec. 1s	42 13	17	White mast; 43.	
3300 <i>C 1370.1</i>	--Rear, 380 meters 215°54' from front.	53° 57.2' N 10° 52.9' E	Oc.(2)W. period 9s lt. 2s, ec. 1s lt. 5s, ec. 1s	79 24	17	White mast; 69.	Synchronized with front. Intensified on range line.
3302 <i>C 1365.9</i>	-Potenitz.	53° 56.5' N 10° 52.1' E	Iso.W.R.G. period 4s	62 19	W. 9 R. 8 G. 8	White mast; 59.	G. 349°-18'-352°, W.-353°24', R.-356°06'.
3303 <i>C 1365.95</i>	-Light 12.	53° 55.7' N 10° 52.3' E	Oc.(2)R. period 9s lt. 2s, ec. 1s lt. 5s, ec. 1s			Red stone pile.	
3304 <i>C 1360</i>	-Travemunde.	53° 57.7' N 10° 52.9' E	Fl.W.R. period 4s fl. 0.1s, ec. 3.9s	374 114	W. 19 R. 15	Building; 387.	R. 165°-214°, W.-234°, R.- 245°.
3308 <i>C 1362</i>	-N. mole, head.	53° 57.7' N 10° 53.4' E	Oc.R.G. period 4s lt. 3s, ec. 1s	39 12	6	Green tower, white bands, gallery, white mast; 39. Floodlit.	R. 123°-201°, G.-066°. Visible 205°-265°.
F.Y.							
3312	<i>Buoy Wismar.</i>	54° 07.0' N 11° 26.0' E	Iso.W. period 4s			Red and white striped buoy, round topmark.	
3315 <i>C 1366.4</i>	Lieps.	53° 59.3' N 11° 18.3' E	Dir.W.R.G. period 6s	33 10	7	White mast; 33.	Oc.G. 302°06'-303°42', Oc.W.-303°48', F.W.- 304°, Fl.W.-304°06', Fl.R.-305°42'.
3315.1 <i>C 1380.2</i>	Boltenhagen, E. mole, head.	53° 58.3' N 11° 15.0' E	F.G.	20 6	4	White pile.	
3315.2 <i>C 1380.3</i>	-W. mole, head.	53° 58.3' N 11° 15.1' E	FR.	20 6	4	White pile.	
3316 <i>C 1382</i>	Hohen Wieschendorf Range, front.	53° 57.5' N 11° 19.9' E	Oc.W. period 4s lt. 3s, ec. 1s	62 19	15	White framework mast; 52.	
3320 <i>C 1382.1</i>	--Rear, about 1.4 km. 180°18' from front.	53° 56.7' N 11° 19.9' E	Oc.W. period 4s lt. 3s, ec. 1s	128 39	16	White framework mast; 69.	Synchronized with front.
3328 <i>C 1386</i>	Timmendorf.	53° 59.5' N 11° 22.6' E	Iso.W.R.G. period 6s	69 21	W. 16 R. 12 G. 11	Brown and white tower, gallery, red roof, white lantern; 69.	W. 049°-054°30', G.-073°30', W.-079°, R.-125°, G.- 135°, W.-137°, R.-196°, G.-202°30', W.-211°30', R.-220°.
3330 <i>C 1398</i>	Golwitz.	54° 01.4' N 11° 28.0' E	Oc.W.R.G. period 5s lt. 3.5s, ec. 1.5s	75 23	W. 18 R. 14 G. 13	White mast; 69.	G. 080°-085°, W.-086°30', R.- 116°.
3331 <i>C 1398.5</i>	-N. side.	54° 01.4' N 11° 28.2' E	Iso.W.R.G. period 4s	42 13	W. 19 R. 16 G. 14	White tower, gallery, white dwelling, red and green lantern; 33.	G. 162°18'-164°30', W.-166°, R.-168°18'.
3342 <i>C 1387.8</i>	-Insel Walfisch Range, front.	53° 56.7' N 11° 25.1' E	Oc.(2)W. period 9s lt. 2s, ec. 1s lt. 5s, ec. 1s	33 10	7	White mast, black dolphin; 33.	Intensified on range line.
3344 <i>C 1387.9</i>	--Rear, 2500 meters 123°54' from front.	53° 55.9' N 11° 27.0' E	Oc.(2)W. period 9s lt. 2s, ec. 1s lt. 5s, ec. 1s	98 30	7	Red mast, white bands, black dolphin; 98	Intensified on range line.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GERMANY-MECKLENBURGER BUCHT							
3348 <i>C 1388</i>	-Poel Range, front.	53° 57.2' N 11° 24.5' E	Iso.W. period 4s	33 10	7	White mast, red and white triangular daymark point up.	Intensified on range line.
3352 <i>C 1388.1</i>	--Rear, 1187 meters. 339°30' from front.	53° 57.8' N 11° 24.1' E	Iso.W. period 4s	79 24	7	Red mast, white bands; 79.	Intensified on range line.
3356 <i>C 1388.6</i>	-Wendorf Seebad Range, front.	53° 55.1' N 11° 25.8' E	Iso.R. period 4s	33 10	6	White mast, black dolphin; 33.	Intensified on range line.
3360 <i>C 1388.7</i>	--Rear, about 2029 meters 159°30' from front.	53° 54.4' N 11° 26.2' E	Iso.R. period 4s	79 24	6	Red mast, white bands; 79.	Intensified on range line.
3364 <i>C 1390</i>	-Fließstorf Range, front.	53° 55.8' N 11° 25.2' E	Oc.W. period 4s lt. 3s, ec. 1s	33 10	7	White mast, black dolphin; 33.	Intensified on range line.
3368 <i>C 1390.1</i>	--Rear, about 1250 meters, 329°54' from front.	53° 56.4' N 11° 24.6' E	Oc.W. period 4s lt. 3s, ec. 1s	79 24	7	Red mast, white bands, black dolphin; 79.	Synchronized with front. Intensified on range line.
WISMAR:							
3372 <i>C 1392</i>	-Range, front.	53° 54.0' N 11° 27.0' E	Oc.R. period 4s lt. 3s, ec. 1s	92 28	12	Black mast; 85.	Intensified on range line.
3376 <i>C 1392.1</i>	--Rear, about 685 meters 149°54' from front.	53° 53.6' N 11° 27.3' E	Oc.R. period 4s lt. 3s, ec. 1s	151 46	12	Black mast; 141.	Synchronized with front. Intensified on range line. Channel marked by beacons.
3412 <i>C 1400</i>	Buk.	54° 07.9' N 11° 41.6' E	L.Fl.(4)W.R. period 45s fl. 2.1s, ec. 6.9s fl. 2.1s, ec. 6.9s fl. 2.1s, ec. 6.9s fl. 2.1s, ec. 15.9s	313 95	W. 24 R. 20	Brown round tower, red lantern; 69.	R. 040°-073°, W.-265°.
WARNEMUNDE-HAFEN:							
3428 <i>C 1404</i>	-Warnemunde.	54° 10.9' N 12° 05.1' E	Fl.(3+1)W. period 24s fl. 0.3s, ec. 2.7s fl. 0.3s, ec. 2.7s fl. 0.3s, ec. 8.7s fl. 0.3s, ec. 8.7s	112 34	20	White cylindrical tower, two galleries, copper dome; 102.	Visible 062°36'-242°36'. Calibration Radiobeacon at Pilot Station 930 meters SE.
3432 <i>C 1415</i>	-Petersdorf, approach Range, front.	54° 08.7' N 12° 06.8' E	Oc.R. period 4s lt. 3s, ec. 1s	79 24	12	Red pile, white bands, red dome; 69.	
3436 <i>C 1415.1</i>	--Rear, 1560 meters 161°36' from front.	54° 07.9' N 12° 07.3' E	Oc.R. period 4s	148 45	15	Red pile, white bands, red dome; 108.	Synchronized with front.
3442 <i>C 1430.7</i>	-Bramow.	54° 06.5' N 12° 05.5' E	Oc.W.R.G. period 2s lt. 1.5s, ec. 0.5s	39 12	W. 8 R. 5 G. 5	White mast; 30.	G. 210°30'-214°30', W.- 218°48', R.-222°30'. Occasional.
3448	- <i>Buoy Rostock.</i>	54° 18.0' N 12° 00.0' E	Iso.W. period 4s			SAFE WATER RW, pillar, topmark.	Radar reflector.
3452 <i>C 1405</i>	-W. mole, head.	54° 11.2' N 12° 05.2' E	Iso.G. period 4s	46 14	6	Green tower, white band, two galleries; 39. Floodlit.	
3510	<i>Route T, Buoy 71.</i>	54° 27.6' N 12° 12.2' E	Iso.W. period 4s			SAFE WATER RW, pillar, topmark.	
RACON			X(- • • -)			(3 & 10cm).	
3512 <i>C 1436</i>	Ostseebad Wustrow.	54° 21.1' N 12° 23.1' E	Oc.(3)W. period 12s lt. 2s, ec. 1s lt. 2s, ec. 1s lt. 5s, ec. 1s	36 11	13	Red mast, white bands; 26.	
3516 <i>C 1440</i>	Darsser Ort.	54° 28.4' N 12° 30.1' E	Fl.(2+4)W. period 22s	108 33	23	Brown cylindrical tower, cupola.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GERMANY-MECKLENBURGER BUCHT							
3517 C 1440.5	-Breakwater.	54° 28.3' N 12° 31.2' E	Dir.W.R.G. period 4s	26 8	W. 9 R. 6 G. 6	White pile, pedestal; 16.	Oc.G. 253°12'-255°30', Oc.W.-256°30', Oc.R.- 259°12'.
DENMARK-STORE BAELT (GREAT BELT)							
3520 C 1470	Odden.	55° 58.3' N 11° 22.3' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	33 10	W. 7 R. 4 G. 4	Green framework tower; 23.	W. 147°-270°, R.-280°, G.- 147°.
For Sjaellands Rev N. and other lights of Kattegat, see Index.							
3524 C 1476	Sjaellands Rev.	56° 04.8' N 11° 12.9' E	Fl.W. period 5s fl. 1s, ec. 4s	19 6	7	Red beacon; 20.	
3528 C 1480	Yderflak.	56° 04.0' N 11° 01.2' E	Fl.G. period 3s fl. 0.8s, ec. 2.2s	33 10	8	Green mast, two platforms, green beacon.	
3532 C 1483	Sjaellands Odde Ferry Harbor Range, front.	55° 58.4' N 11° 18.0' E	Iso.W. period 2s	30 9	8	Gray framework tower; 20.	Visible 351°48'-023°48'. Shown 24 hours.
3536 C 1483.1	-Rear, about 175 meters 007°48' from front.	55° 58.5' N 11° 18.0' E	Iso.W. period 2s	52 16	8	Gray framework tower; 43.	Visible 351°48'-023°48'. Shown 24 hours. Synchronized with front.
3540 C 1484	-W. mole, head.	55° 58.3' N 11° 17.9' E	Fl.R. period 3s fl. 0.8s, ec. 2.2s	16 5	4	Gray pedestal; 7.	Shown 24 hours. Fog light.
3544 C 1484.2	-E. mole, head.	55° 58.3' N 11° 18.0' E	Fl.G. period 3s fl. 0.8s, ec. 2.2s	20 6	5	Framework tower; 10.	Shown 24 hours. Fog light.
3546	Light Buoy No 16.	55° 55.2' N 10° 57.2' E	L.Fl.W. period 10s			SAFE WATER RW, pillar, topmark.	
	RACON		M(- -)				(3 & 10cm).
3548 C 1497	Hatterrev, DW 3.	55° 54.1' N 10° 51.7' E	Fl.Y. period 3s fl. 0.8s, ec. 2.2s	29 9	10	Yellow beacon; 36.	
	RACON		B(- • • •)				(3 & 10cm).
3552 C 1497.4	Hatter Barn, DW6.	55° 53.1' N 10° 50.1' E	Q.(4)Y. period 10s	30 9	10	Yellow beacon; 30.	
3556 C 1486	Sejero.	55° 55.1' N 11° 04.9' E	L.Fl.(2)W. period 15s fl. 2.5s, ec. 2.5s fl. 2.5s, ec. 7.5s	102 31	12	Yellow round tower; 62.	Obscured by land when bearing 301°, 307°-311° and 316°-321°.
3560 C 1487.2	-Main basin, W. mole, head.	55° 52.7' N 11° 08.2' E	Fr.R.	16 5	4	Red post.	F.Y. range 7M shown in fog.
3564 C 1487.1	--E. mole.	55° 52.8' N 11° 08.2' E	Fr.G.	23 7	4	Green post; 10.	
NEKSELO:							
3572 C 1489	-Range, front.	55° 47.7' N 11° 16.9' E	Iso.W. period 2s	59 18	7	White hut, red band; 7.	
3576 C 1489.1	--Rear, 479 meters 175° from front.	55° 47.4' N 11° 17.0' E	Iso.W. period 4s	108 33	8	White hut, red band; 7.	Visible 171°-179°.
3580 C 1491	-Havsno, N. mole, E.	55° 45.3' N 11° 19.6' E	Fr.G.	19 6	7	Green and white metal post; 13.	
3589 C 1495	-Fishing harbor.	55° 45.1' N 10° 56.7' E	Fl.G. period 3s	16 5	2	White post; 10.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-STORE BAELT (GREAT BELT)							
3592 C 1498	-Rosnaes Puller.	55° 45.0' N 10° 50.6' E	Fl.(2)W. period 5s	30 9	10	Red mast, granite base; 30.	Visible 281°06'-278°42'.
3596 C 1500	Asnaes.	55° 40.3' N 10° 56.1' E	Fl.W. period 3s fl. 0.8s, ec. 2.2s	39 12	4	White pedestal, red band; 13.	
3600 C 1504	Gisselore, on point.	55° 40.2' N 11° 04.6' E	Fl.W. period 3s	13 4	7	Metal tower, concrete base; 13.	Shown 24 hours.
KALUNDBORG HAVN:							
3616 C 1507.3	-Asnaesvaerket.	55° 39.9' N 11° 04.7' E	Dir.W.R.G. period 10s fl. 7.5s, ec. 2.5s	42 13	W. 12 R. 8 G. 8	Gray framework mast; 33.	Oc.G. 113°31'-115°31', Oc.W.-116°31', Oc.R.- 118°31'. 2 Dir. Lts. 20 meters apart mark channel on bearing 116°31' (sectors on second light offset by 1°). Shown 24 hours.
3618 C 1508	--N. Pier.	55° 39.9' N 11° 05.0' E	Fl.G. period 3s fl. 0.8s, ec. 2.2s	11 3	3	Bracket on pier.	Shown 24 hours.
3620 C 1509	-Indre Range, front.	55° 40.0' N 11° 06.2' E	Iso.W. period 2s	90 27	7	Gray framework tower, red triangular daymark point up; 95.	Shown 24 hours.
3624 C 1509.1	--Rear, 142 meters 090°42' from front.	55° 40.0' N 11° 06.3' E	Iso.W. period 4s	105 32	7	Gray framework tower, red triangular daymark point down; 105.	Shown 24 hours.
3626 C 1509.4	-Oil pier, head.	55° 40.0' N 11° 05.4' E	Fl.G. period 5s	16 5	3	Gray mast, platform; 26.	Shown 24 hours.
3628 C 1510	-Dredged channel entrance Range, front.	55° 40.6' N 11° 05.5' E	Iso.G. period 2s	33 10	5	Gray metal framework tower, red triangular daymark point up; 33.	
3632 C 1510.1	--Rear, 125 meters 020°12' from front.	55° 40.7' N 11° 05.6' E	Iso.G. period 4s	56 17	5	Gray metal framework tower, red triangular daymark point down; 49.	
3633 C 1510.4	-Dredged channel departure Range, front.	55° 39.9' N 11° 05.1' E	Iso.G. period 2s	49 15	5	Mast on wall, red triangular daymark point up; 39.	Visible 130°12'-270°12'. Shown 24 hours. Dir.Y. visible 180°12'-220°12'. Illuminates black stripes indicating range line.
3633.1 C 1510.41	--Rear, 121 meters 200°12' from front.	55° 39.9' N 11° 05.0' E	Iso.G. period 4s	62 19	5	Tank, red triangular daymark point down.	Visible 130°12'-270°12'. Shown 24 hours.
3642 C 1512	--W. mole, head.	55° 40.6' N 11° 05.3' E	FR.	23 7	3	Red post.	
3648 C 1526	Romso Tue, 24.	55° 33.5' N 10° 49.2' E	Fl.W.R.G. period 3s fl. 0.7s, ec. 2.3s	33 10	W. 8 R. 7 G. 7	Green tower, platform; 39.	G. 051°30'-132°, W.-135°, R.- 150°, G.-161°, W.-169°, R.-305°48', G.-324°48', W.-331°48', R.-051°30'.
RACON			T(-)				(3 & 10cm).
KJERTEMINDE HAVN:							
3652 C 1531.4	-Marina.	55° 27.2' N 10° 40.1' E	FG.	10 3	2	Pole.	
3656 C 1530.5	-Breakwater, off S. head.	55° 27.1' N 10° 40.1' E	Fl.G. period 3s fl. 0.7s, ec. 2.3s	13 4	4	Post.	
3660 C 1530.6	--Off N. head.	55° 27.3' N 10° 40.1' E	Fl.R. period 3s fl. 0.7s, ec. 2.3s	13 4	4	Post.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-STORE BAELT (GREAT BELT)							
3664 C 1531	--Range, front.	55° 27.0' N 10° 39.7' E	Iso.R. period 2s	19 6	4	Gray pillar, yellow triangular daymark point up; 10.	Visible 163°24'-343°24'.
3668 C 1531.1	--Rear, 85 meters 253°04' from front.	55° 27.0' N 10° 39.6' E	Iso.R. period 4s	23 7	4	Gray pillar, yellow triangular daymark point down.	Visible 163°24'-343°24'.
3676 C 1524	-Havn, S. mole, head.	55° 31.0' N 11° 07.0' E	F.R.	13 4		White post; 11.	Visible 202°-023°.
3682	Osterrenden N., RACON.	55° 21.8' N 11° 01.4' E	N(- •)				(3 & 10cm).
3688 C 1532.2	Sprogo Island.	55° 19.8' N 10° 58.2' E	Fl.W. period 5s fl. 1s, ec. 4s	144 44	8	Red round masonry structure, yellow bands; 62.	
3690 C 1532.603	East Bridge, W. tower.	55° 20.4' N 11° 01.4' E	3 Fl.W. (vert.) period 1.5s	846 258 522 159 203 62	10		AVIATION LIGHTS. Shown 24 hours. Horn: 1 bl. ev. 60s (bl. 5s, si. 55s). Horn points N.
3690.1 C 1532.612	-E. tower.	55° 20.6' N 11° 02.9' E	3 Fl.W. (vert.) period 1.5s	846 258 522 159 203 62	10		AVIATION LIGHTS. Shown 24 hours. Horn: 2 bl. ev. 60s (bl. 5s, si. 5s, bl. 5s, si. 45s). Horn points S. and sounds 20s after 3690.
3690.2 C 1532.604	--W. channel, N. side.	55° 20.4' N 11° 01.5' E	Fl.G. period 3s fl. 0.7s, ec. 2.3s	217 66	7		Visible 089°18'-270°42'. Shown 24 hours.
3690.21 C 1532.606	--Range, front.	55° 20.5' N 11° 01.8' E	Iso.W. period 4s	243 74	10		Visible 164°18'-194°18'. Marks best passage for S. going traffic. Shown 24 hours.
	--Racon		M(- -)				(3 & 10cm). Only visible on N. side of bridge.
3690.22 C 1532.607	--- Rear, 180° from front.	55° 20.5' N 11° 01.8' E	3 F.W. (vert.)	312 95 295 90 279 85	6		Visible 089°18'-269°. Shown 24 hours.
3690.23 C 1532.6	--Center of bridge, N. side.	55° 20.5' N 11° 02.1' E	Fl.R. period 3s fl. 0.7s, ec. 2.3s	233 71	7		Visible 089°18'-270°42'. Shown 24 hours.
3690.3 C 1532.61	-E. channel, S. side.	55° 20.6' N 11° 02.8' E	Fl.R. period 3s fl. 0.7s, ec. 2.3s	217 66	7		Visible 270°42'-089°18'. Shown 24 hours.
3690.31 C 1532.608	--Range, front.	55° 20.5' N 11° 02.5' E	Iso.W. period 4s	243 74	10		Visible 344°18'-014°18'. Marks best passage for N. going traffic. Shown 24 hours.
	--RACON		M(- -)				(3 & 10cm). Only visible on S. side of bridge.
3690.32 C 1532.609	--- Rear, 000° from front.	55° 20.6' N 11° 02.5' E	3 F.W. (vert.)	312 95 295 90 279 85	6		Visible 269°18'-089°18'. Shown 24 hours.
3690.33 C 1532.601	--Center of bridge, S. side.	55° 20.5' N 11° 02.1' E	Fl.G. period 3s fl. 0.7s, ec. 2.3s	233 71	7		Visible 270°42'-089°18'. Shown 24 hours.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-STORE BAELT (GREAT BELT)							
3692 C 1534	Osterrenden S., E28.	55° 19.5' N 11° 02.8' E	Fl.(3)R. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	33 10	9	Red mast, platform.	
	RACON		O(- - -)				(3 & 10cm).
HALSSKOV:							
3716	-Ferry Pier, W. head.	55° 21.0' N 11° 07.0' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	19 6		Gray metal mast; 3.	
KORSOR HAVN:							
3724 C 1544	-Entrance Range, front.	55° 20.1' N 11° 08.2' E	F.R.	30 9	10	Gray column, orange triangular daymark point up; 36.	Visible 068°-080°. Shown 24 hours.
3728 C 1544.1	--Rear, E. ferry berth mole, 198 meters 073°30' from front.	55° 20.2' N 11° 08.4' E	F.R.	59 18	11	Gray column, orange triangular daymark point down; 56.	Visible 068°-080°. Shown 24 hours.
3732 C 1545.4	-Detached breakwater, N. head.	55° 20.0' N 11° 07.0' E	Fl.G. period 3s	16 5	4	Framework structure; 7.	Fog light on breakwater.
3736 C 1545.5	--S. head.	55° 19.9' N 11° 07.4' E	F.R.	16 5	4	Framework structure, gray base; 7.	
3740 C 1545	-Lygtepulle, breakwater, N. head.	55° 20.1' N 11° 07.4' E	Fl.R. period 3s	16 5	4	Framework structure; 7.	Fog light on mole.
3744 C 1552	-Korsor Yachthaven.	55° 19.7' N 11° 07.7' E	Fl.R. period 3s	16 5	4	Red post.	
3748 C 1553	--S. mole, N. head.	55° 19.7' N 11° 07.8' E	Fl.G. period 3s fl. 0.7s, ec. 2.3s	13 4	2	Green mast; 10.	
3750	Vestbro Bridge, RACON.	55° 18.6' N 10° 53.8' E	T(-)				(3 & 10cm). Racons on each side of bridge mark center of channel.
3752 C 1556	Knudshoved.	55° 17.4' N 10° 51.1' E	Oc.W.R.G. period 10s lt. 6s, ec. 4s	52 16	W. 12 R. 10 G. 10	White square tower; 39.	G. 220°-269°, W.-276°, R.-305°30', G.-359°, W.-003°30', R.-095°. Partially obscured 072°-080°.
NYBORG FJORD:							
3772 C 1562	-Slipshavn, on point.	55° 17.1' N 10° 49.5' E	Fl.G. period 3s fl. 0.7s, ec. 2.3s	33 10	7	White framework tower, red band; 20.	Visible 259°-180°.
3776 C 1564	-Range, front.	55° 18.0' N 10° 46.9' E	Iso.W. period 2s	13 4	9	Beacon, white round daymark; 30.	Visible 216°-036°.
3780 C 1564.1	--Jomfruhoj, rear, 55 meters 306° from front.	55° 18.0' N 10° 46.8' E	Iso.W. period 2s	43 13	9	White beacon, white round daymark; 16.	Visible 216°-036°.
-Avernakke Pynt.							
3796 C 1572	--Dynen.	55° 18.0' N 10° 47.6' E	Fl.R. period 3s fl. 0.7s, ec. 2.3s	13 4	7	Dolphin; 7.	Visible 152°30'-005°30'.
3804 C 1566	--Mole, head.	55° 18.0' N 10° 48.0' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	20 6	W. 9 R. 6 G. 6	Gray framework structure, orange neon triangular daymark point up; 10.	W. 327°54'-334°42', R.-338°12', G.-327°54'. Daymark shown 24 hours.
-Nyborg Havn:							
3812 C 1566.3	--S. mole, head.	55° 18.3' N 10° 47.4' E	F.R.	16 5	4	Gray post; 7.	

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DENMARK-STORE BAELT (GREAT BELT)							
3820 <i>C 1578</i>	--W. side of entrance of Vester Havn, outer mole, E. head.	55° 18.4' N 10° 47.5' E	F.R.	17 5	4	Post; 13.	
3830 <i>C 1532</i>	-Sprogø Harbor, S. mole.	55° 19.8' N 10° 58.2' E	Fl.R. period 3s fl. 0.7s, ec. 2.3s	16 5	4	Gray mast; 26. Floodlit.	
3832 <i>C 1588</i>	Lundeborg Havn.	55° 08.3' N 10° 47.3' E	F.G.	17 5		White post.	
SVENDBORG SUND:							
3836 <i>C 1590</i>	-Elsehoved.	55° 06.1' N 10° 46.5' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	33 10	W. 12 R. 9 G. 9	Red round metal tower, white bands; 26.	G. 188°-215°, W.-014°, R.-029°.
3840 <i>C 1634</i>	-Taasinge Range, front.	55° 01.7' N 10° 39.4' E	Iso.R. period 2s	36 11	14	Red framework mast, white stripes, red triangular daymark point up.	Visible 279°-287°. Shown 24 hours, Sep. 1 to Apr. 1.
3844 <i>C 1634.1</i>	--Rear, 223 meters 283° from front.	55° 01.7' N 10° 39.2' E	Iso.R. period 4s	49 15	14	Red post, white stripes, red triangular daymark point down.	Visible 279°-287°. Shown 24 hours, Sep. 1 to Apr. 1.
3848 <i>C 1612</i>	-Marodde.	55° 02.0' N 10° 39.0' E	F.W.R.G.	13 4	W. 12 R. 9 G. 9	White post, red band; 10.	G. 000°-059°, R.-140°, G.-151°, W.-154°, R.-164°. Partially obscured 006°-008°-36'. Shown 24 hours, Sep. 1 to Apr. 1.
3852 <i>C 1614</i>	-Troense.	55° 02.0' N 10° 38.9' E	Iso.W.R.G. period 2s	13 4	W. 8 R. 6 G. 6	White post, red band; 10.	G. 118°-174°, W.-177°, R.-188°30', G.-221°, R.-255°. Shown 24 hours, Sep. 1 to Apr. 1.
3864 <i>C 1624</i>	-Grasten Range, front.	55° 31.0' N 11° 07.3' E	F.R.	36 11	9	White post; 13.	Shown 24 hours, Sep. 1 to Apr. 1.
3868 <i>C 1624.1</i>	--Rear, 178 meters 105° from front.	55° 02.1' N 10° 40.3' E	F.R.	62 19	8	White post; 20.	Shown 24 hours, Sep. 1 to Apr. 1.
-Kristiansminde:							
3876 <i>C 1606</i>	--N. and E., front.	55° 04.0' N 10° 38.0' E	F.W.R.G.	13 4	W. 12 R. 8 G. 8	Red post, white stripes.	G. 263-084°30', W.-090°30', R.-175°30'. Shown 24 hours, Sep. 1 to Apr. 1.
3878 <i>C 1606.1</i>	--N. Range, rear, 108 meters 346° from front.	55° 03.6' N 10° 38.3' E	F.G.	23 7	9	Red post, white stripes.	Shown 24 hours, Sep. 1 to Apr. 1.
-Svendborg Havn:							
3884 <i>C 1600</i>	--Frederikso, E. point.	55° 04.0' N 10° 37.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	22 7	3	Post.	Shown 24 hours, Sep. 1 to Apr. 1.
3888 <i>C 1591</i>	-St. Jorgens.	55° 02.9' N 10° 35.8' E	Oc.(2)W.R.G. period 6s lt. 1s, ec. 1s lt. 3s, ec. 1s	27 8	W. 12 R. 9 G. 9	White hut, red band, on wooden piles.	G. 053°30'-058°30', W.-060°30', R.-066°. Shown 24 hours, Sep. 1 to Apr. 1.
3892 <i>C 1594.6</i>	-Vindebyore Range, N. front, close N. of Vindeby.	55° 03.2' N 10° 37.4' E	Iso.W. period 2s	13 4	12	White post, red band; 10.	Shown 24 hours, Sep. 1 to Apr. 1.
3896 <i>C 1594.7</i>	--Rear, 203 meters 061° from front.	55° 03.2' N 10° 37.5' E	Iso.W. period 4s	33 10	12	White post, red band; 30.	Shown 24 hours, Sep. 1 to Apr. 1.
3900 <i>C 1595</i>	-East Bratten Range, front.	55° 03.0' N 10° 37.0' E	F.G.	31 9	9	White post, red band, white triangular daymark point up; 16.	Shown 24 hours, Sep. 1 to Apr. 1.
3904 <i>C 1595.1</i>	--Rear, 130 meters 205° from front.	55° 02.8' N 10° 36.6' E	F.G.	49 15	9	White beacon, red band, white triangular daymark point down; 13.	Shown 24 hours, Sep. 1 to Apr. 1.

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DENMARK-STORE BAELT (GREAT BELT)							
3908 <i>C 1594.2</i>	-West Bratten Range, front.	55° 03.0' N 10° 36.0' E	Iso.G. period 2s	13 4	9	White post, red band, white triangular daymark point up; 13.	Shown 24 hours, Sep. 1 to Apr. 1.
3912 <i>C 1594.3</i>	--Rear, 152 meters 068°30' from front.	55° 02.8' N 10° 36.5' E	Iso.G. period 4s	27 8	8	White beacon, red band, white triangular daymark point down; 16.	Shown 24 hours, Sep. 1 to Apr. 1.
3916 <i>C 1594</i>	-Tankefuld Range, front.	55° 02.0' N 10° 34.0' E	F.R.	10 3	7	White post, red band; 10.	Shown 24 hours, Sep. 1 to Apr. 1.
3920 <i>C 1594.1</i>	--Rear, 56 meters 269° from front.	55° 02.4' N 10° 33.9' E	F.R.	18 5	7	White post, red band; 16.	Shown 24 hours, Sep. 1 to Apr. 1.
3924 <i>C 1022</i>	-Baekkehave, NW. side of Tassingø.	55° 01.0' N 10° 32.7' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	20 6	W. 12 R. 9 G. 9	White hut, red band; 20.	G. 095°-100°, W.-105°, R.-107°. Shown 24 hours, Sep. 1 to Apr. 1.
3924.5 <i>C 1594.13</i>	-Vesterron, E. mole.	55° 02.0' N 10° 32.0' E	F.G.	10 3	3	Gray mast; 10. Floodlit.	
3924.7 <i>C 1594.17</i>	-Ratzausminde.	55° 02.0' N 10° 32.5' E	Fl.G. period 3s fl. 0.7s, ec. 2.3s	13 4	3	Green mast; 13.	Shown 24 hours, Sep. 1 to Apr. 1.
3925 <i>C 1594.15</i>	-Rantzavminde.	55° 02.1' N 10° 32.7' E	F.R.	16 5	4	Red post; 7.	Shown 24 hours, Sep. 1 to Apr. 1.
FYN:							
3926 <i>C 1020.5</i>	-Ballen.	55° 02.0' N 10° 28.0' E	F.R.	16 5	2	Red mast; 13. Floodlit.	
3927 <i>C 1021.4</i>	-Skaro cable Range, front.	55° 00.6' N 10° 28.2' E	F.R.	23 7	4	Beacon; 20.	Visible 124°-304°. Shown 24 hours.
3927.1 <i>C 1021.41</i>	--Rear, 75 meters 214° from front.	55° 00.6' N 10° 28.1' E	F.R.W. (vert.)	36 11	4	Beacon; 33.	Visible 124°-304°. Shown 24 hours. 2 meters apart.
LANGELAND:							
3928	-Langelandsbaelt, RACON.	54° 48.2' N 10° 50.3' E	O(- - -)				(3 & 10cm).
3932 <i>C 1673.3</i>	-Højbjerg E.	54° 52.7' N 10° 50.0' E	Fl.R.G. period 5s fl. 1s, ec. 4s	33 10	R. 8 G. 7	Green metal mast, platform; 33.	R. 002°30'-201°, G.-002°30'.
	-RACON		G(- - •)				(3 & 10cm).
3936 <i>C 1671</i>	-Spodsbjerg Ferry Harbor.	54° 56.1' N 10° 50.2' E	Fl.G. period 3s	16 5	2	White metal framework tower; 10.	Fog detector light.
3940 <i>C 1671.7</i>	--Range, front.	54° 56.1' N 10° 50.0' E	F.R.	23 7	4	Gray framework tower, red triangular daymark point up; 33.	
3944 <i>C 1671.71</i>	---Rear, 95 meters 286°30' from front.	54° 56.1' N 10° 49.9' E	F.R.	30 9	4	Gray framework tower, red triangular daymark point down; 33.	
3948 <i>C 1671.65</i>	--Fishing harbor, N. pier, head.	54° 56.0' N 10° 50.1' E	F.G.	18 5	4	Green mast; 16. Floodlit.	F.R. 4M marks S. pier head.
3952 <i>C 1673</i>	-Spodsbjerg SE.	54° 55.2' N 10° 50.6' E	Fl.W.R.G. period 3s fl. 0.7s, ec. 2.3s	33 10	W. 8 R. 7 G. 7	Yellow metal mast, platform; 33.	R. 001°30'-217°, G.-231°, W.-235°, R.-240°, G.-001°30'.
3956 <i>C 1672.5</i>	-Bostrup E., DW 47.	55° 02.7' N 10° 59.3' E	Fl.R.G. period 5s fl. 1s, ec. 4s	33 10	8	Green metal mast, platform; 33.	R. 009°30'-179°, G.-009°30'.
	-RACON		K(- • -)				(3 & 10cm).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-STORE BAELT (GREAT BELT)							
3960 C 1672	-Langelandsbaelt N., DW 40.	55° 07.7' N 10° 59.9' E	Fl.R.G. period 3s fl. 0.7s, ec. 2.3s	33 10	8	Red metal mast, platform; 33.	R. 001°30'-180°, G.-001°30'.
3964 C 1668	-Hov.	55° 08.8' N 10° 57.3' E	Iso.W.R.G. period 4s	39 12	W. 16 R. 13 G. 13	White round tower, red band; 39.	R. 210°-226°30', G.-232°30', W.-237°, R.-308°30', G.- 341°, W.-346°, R.-010°.
3968 C 1656	-Frankeklint.	55° 09.6' N 10° 55.9' E	Oc.R.G. period 5s lt. 4s, ec. 1s	52 16	8	White dwelling; 13.	G. 039°-047°, R.-151°, G.- 178°, R.-219°.
-Lohals Havn:							
3972 C 1658	--Near root of S. mole.	55° 08.1' N 10° 54.1' E	Iso.W.R.G. period 2s	26 8	W. 9 R. 7 G. 7	White square tower; 30.	G. 031°-095°, W.-101°, R.- 182°, partially obscured 031°-046°.
3976 C 1660	--Outer breakwater, head.	55° 08.0' N 10° 54.0' E	FR.			White post; 7.	
3980 C 1661	--90 meters 234° from root of S. mole.	55° 08.1' N 10° 54.1' E	F.G.	16 5	1	Black post; 7.	
3984 C 1662	-Dagelokke Havn Range, front.	55° 03.7' N 10° 51.8' E	F.G.	16 5	4	Gray mast; 16.	Visible 052°06'-192°06'. Shown Apr. 1 to Nov. 15.
3988 C 1662.1	--Rear, 77 meters 122°06' from front.	55° 03.8' N 10° 51.8' E	F.G.	23 7	4	Mast on white hut.	Visible 052°06'-192°06'. Shown Apr. 1 to Nov. 15.
RUDKOBING LOB:							
3992 C 1674	-NE. Sio, Range front.	54° 57.5' N 10° 41.8' E	Iso.W. period 2s	13 4	4	White mast, red triangular daymark point up, white stripe; 16.	
3996 C 1674.1	--Rear, 454 meters 205°24' from front.	54° 57.2' N 10° 41.6' E	Iso.W. period 4s	39 12	4	Gray framework tower, red triangular daymark point down, white stripe; 33.	
4000 C 1686	-Range, front.	54° 56.7' N 10° 43.0' E	Iso.G. period 2s	36 11	4	Post, white triangular daymark point up, orange border; 23.	
4004 C 1686.1	--Rear, 456 meters 167°36' from front.	54° 56.5' N 10° 43.1' E	Iso.G. period 4s	56 17	4	Gray framework tower, white triangular daymark point down, orange border; 43.	
4008 C 1690	-N. mole Range, front.	54° 56.4' N 10° 42.3' E	FR.	23 7	4	Gray mast, red triangular daymark point up; 16.	
4012 C 1690.1	--Rear, 214 meters 188°42' from front.	54° 56.2' N 10° 42.3' E	FR.	46 14	4	Gray post, red triangular daymark point down; 39.	
-Rudkobing Havn:							
4016 C 1702	--S. Channel Range, front.	54° 56.3' N 10° 42.2' E	FR.	16 5	4	Gray post, red triangular daymark point up; 10.	Visible 343°42'-123°42'.
4020 C 1702.1	---Rear, 123 meters 053°42' from front.	54° 56.3' N 10° 42.3' E	FR.	26 8	4	Square mast, red triangular daymark point down; 20.	Visible 343°42'-123°42'.
4024 C 1680	-Sio Range, front.	54° 57.0' N 10° 42.0' E	Iso.W. period 2s	49 15	6	Gray mast, red triangular daymark point up, white stripe; 10.	
4028 C 1680.1	--Rear, 322 meters 032°54' from front.	54° 57.2' N 10° 42.3' E	Iso.W. period 4s	66 20	6	Gray framework tower, red triangular daymark point down, white stripe; 59.	
4032 C 1645	Lindeskov Range, front.	55° 16.1' N 11° 14.5' E	Iso.W. period 2s	23 7	17	White metal tripod, red band; 13.	Visible 107°-113°. Shown 24 hours.
4036 C 1645.1	--Rear, 500 meters 110°06' from front.	55° 16.0' N 11° 15.0' E	Iso.W. period 4s	69 21	17	White framework tower, red band; 56.	Visible 107°-113°. Shown 24 hours.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-STORE BAELT (GREAT BELT)							
4040 C 1649.7	Agerso Sund, Gulf oil pier.	55° 12.0' N 11° 15.4' E	Oc.W.R.G. period 10s lt. 8s, ec. 2s	39 12	W. 4 R. 2 G. 2	Framework tower; 33.	G. 101°36'-108°18', W.-115°, R.-121°36'. Occasional. Private light.
4056 C 1650	Gedehave, Range, front.	55° 14.7' N 11° 14.4' E	FR.	13 4	4	Mast, white triangular daymark point up, red stripes.	
4060 C 1650.1	-Rear, 153 meters 156° from front.	55° 14.7' N 11° 14.5' E	FR.	29 9	4	Mast, white triangular daymark point down, red stripes.	
4064 C 1645.4	-W. Range, front.	55° 14.7' N 11° 14.1' E	Iso.G. period 2s	20 6	9	White pedestal, red band; 7.	Visible 136°30'-142°30'. Shown 24 hours.
4068 C 1645.5	--Rear, 560 meters 139°30' from front.	55° 14.5' N 11° 14.5' E	Iso.G. period 4s	52 16	9	White metal framework tower, red band; 33.	Visible 136°30'-142°30'. Shown 24 hours.
4072 C 1647	Egholm Range, front.	55° 14.5' N 11° 10.9' E	Iso.G. period 2s	16 5	9	White mast, red band; 16.	Visible 318°-324°. Shown 24 hours.
4076 C 1647.1	-Rear, 520 meters 321° from front.	55° 14.7' N 11° 10.6' E	Iso.G. period 4s	56 17	9	White framework tower, red band; 46.	Visible 318°-324°. Shown 24 hours.
4080 C 1534.6	Egholm Flak, 30.	55° 15.3' N 11° 05.8' E	FI.R.G. period 3s fl. 0.8s, ec. 2.2s	33 10	8	Red metal mast, platform; 33.	G. 158°-345°, R.-158°.
4084 C 1534.7	Vengeancegrund, 31.	55° 13.7' N 11° 05.4' E	FI.(2)W.R.G. period 5s fl. 0.8s, ec. 0.8s fl. 0.8s, ec. 2.6s	33 10	8	Green metal mast, platform, 33.	G. 157°-305°30', W.-309°, R.- 314°, G.-355°, R.-157°.
4088 C 1534.8	Agerso Flak.	55° 12.4' N 11° 06.6' E	FI.(3)W.R.G. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	33 10	8	Red metal mast, platform; 33.	G. 164°-050°, W.-060°, R.- 164°.
	RACON		Z(- - • •)				(3 & 10cm).
	AGERSO:						
4092 C 1648	-Helleholm.	55° 11.1' N 11° 12.5' E	Oc.(3)W.R.G. period 15s	39 12	W. 13 R. 10 G. 10	White square tower; 39.	R. 170°-081°, G.-102°, W.- 105°, R.-125°. Obscured by Omo 036°-064°.
4096 C 1646	-Helleholm Range, front.	55° 11.5' N 11° 12.9' E	Iso.W. period 2s	23 7	13	White mast, red band; 13.	Visible 169°30'-177°30'. Shown 24 hours.
4100 C 1646.1	--Rear, 640 meters 173°30' from front.	55° 11.2' N 11° 12.9' E	Iso.W. period 4s	56 17	14	White mast, red band; 46.	Visible 169°30'-177°30'. Shown 24 hours.
4108 C 1643	-Vinkelfyr.	55° 12.0' N 11° 10.6' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	36 11	W. 11 R. 9 G. 9	White framework mast; 36.	G. 318°-328°, W.-332°. R.- 032°, G.-060°. Shown 24 hours.
4116 C 1642	-N. mole.	55° 12.7' N 11° 11.9' E	FG.	14 4	3	White metal column; 10.	
	OMO:						
4120 C 1640	-Langelands Ore.	55° 09.6' N 11° 08.0' E	Oc.(2)W.R.G. period 12s lt. 2s, ec. 2s lt. 6s, ec. 2s	69 21	W. 17 R. 14 G. 14	Yellow round tower; 72.	G. 266°-271°, W.-283°, R.- 291°, G.-296°, W.- 304°30', R.-006°, G.- 101°, W.-104°, R.-118°, G.-133°, W.-138°30', R.- 146°, G.-162°, W.- 165°30', R.-183°, G.- 220°.
4124 C 1638	-Omo Havn.	55° 10.3' N 11° 09.6' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	16 5	W. 6 R. 4 G. 4	Green framework mast; 10.	W. 146°-180°, R.-228°, G.- 146°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-STORE BAELT (GREAT BELT)							
ONSEVIG HAVN:							
4136 <i>C 1730</i>	-W. mole, head.	54° 56.8' N 11° 06.4' E	F.R.		12 4	2 Mast; 20.	
4140 <i>C 1726</i>	-N. corner of harbor Range, front.	54° 56.8' N 11° 06.5' E	F.G.		13 4	4 Post.	
4144 <i>C 1726.1</i>	--Rear, S. mole, 112 meters 158° from front.	54° 56.9' N 11° 06.4' E	F.G.		26 8	4 Post.	
4148 <i>C 1720.4</i>	-Lango Range, front.	54° 49.0' N 11° 00.0' E	F.R.		26 8	6 Red mast, orange triangular daymark point up; 20.	Visible 161°36'-191°36'.
4152 <i>C 1720.41</i>	--Rear, 365 meters 176°36' from front.	54° 49.0' N 10° 59.8' E	F.R.		33 10	6 Framework tower, orange triangular daymark point down; 33.	Visible 161°36'-191°36'.
4164 <i>C 1718</i>	-Enehoje Islet Range, front.	54° 50.3' N 11° 00.9' E	Iso.W. period 2s		53 16	8 Orange tripod, orange triangular daymark point up; 52.	
4168 <i>C 1718.1</i>	--Rear, 400 meters 119°24° from front.	54° 50.2' N 11° 01.2' E	Iso.W. period 4s		72 22	8 Orange framework tower, orange triangular daymark point down; 72.	
4168.5 <i>C 1718.3</i>	-Enehoje S. Range, front.	54° 50.0' N 11° 01.1' E	Iso.G. period 2s		26 8	4 Pile, red triangular daymark point up; 13.	
4168.51 <i>C 1718.31</i>	--Rear, 191 meters 095°30' from front.	54° 50.0' N 11° 01.2' E	Iso.G. period 4s		36 11	4 Framework tower, red triangular daymark point down; 30.	
4170 <i>C 1712</i>	-Taars Ferry Range, front.	54° 52.5' N 11° 01.9' E	F.R.		33 10	8 Gray framework mast, orange triangular daymark point up; 23.	
4171 <i>C 1712.1</i>	--Rear, 118 meters 085° from front.	54° 52.6' N 11° 02.0' E	F.R.		46 14	8 Gray framework mast, orange triangular daymark point down; 49.	
4172 <i>C 1719</i>	-Ramso Range, common front.	54° 50.0' N 11° 02.0' E	F.W.G.		10 3	W. 8 Concrete base, orange triangular daymark point up; 3. G. 6	W. 259°-274°, G.-259°.
4176 <i>C 1718.9</i>	--Bogo, rear, 1000 meters 131°30' from common front.	54° 49.1' N 11° 02.2' E	F.G.		33 10	6 Framework tower, orange triangular daymark point down; 30.	
4180 <i>C 1719.1</i>	--Vesterode, rear, 2.47 km. 264° from common front.	54° 49.0' N 10° 59.0' E	F.W.		33 10	9 Framework tower, orange triangular daymark point down; 30.	Leads through dredged channel to Barneholm. F.R. light is shown from head of E. mole at Lango Havn.
4184 <i>C 1719.4</i>	-Rosnaes Range, front.	54° 50.0' N 11° 06.3' E	Iso.W. period 2s		13 4	4 Red post, orange triangular daymark point up.	Visible 056°18'-071°18'.
4188 <i>C 1719.41</i>	--Rear, 265 meters 063°48' from front.	54° 50.0' N 11° 06.5' E	Iso.W. period 4s		30 9	4 Gray framework mast, orange triangular daymark point down; 33.	Visible 056°18'-071°18'.
LANGELAND:							
4192 <i>C 1706</i>	-Keldsnor.	54° 43.9' N 10° 43.3' E	Fl.(2)W. period 15s		128 39	17 White square tower; 112.	Visible 200°-116°. Partially obscured 098°-135°.
	-Auxiliary.		Oc.W.R.G. period 5s lt. 4s, ec. 1s		72 22	W. 12 R. 9 G. 9	G. 218°-222°, W.-226°, R.-230°.
4196 <i>C 1708</i>	-Bagenkop Havn.	54° 45.2' N 10° 40.2' E	Fl.G. period 3s		20 6	4 Green framework mast; 33. Floodlit.	
4197 <i>C 1708.5</i>	--E. pier, head.	54° 45.2' N 10° 40.4' E	Fl.R. period 3s		21 6	4 Red framework mast; 10. Floodlit.	
4208 <i>C 1710</i>	--Range, front.	54° 45.2' N 10° 40.4' E	Iso.W.R.G. period 4s		33 10	W. 8 Gray framework tower, red triangular daymark point up; R. 5 G. 5 23.	G. 079°-099°, W.-106°, R.-126°.

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DENMARK-STORE BAELT (GREAT BELT)							
4212 C 1710.1	--Rear, 102°18' from front.	54° 45.2' N 10° 40.5' E	Iso.W. period 4s	43 13	6	Gray framework tower, red triangular daymark point down; 49.	Visible 077°18'-127°18'. Synchronized with front.
4216 C 1732	Vejro.	55° 02.3' N 11° 22.2' E	Oc.W.R.G. period 5s	62 19	W. 16 R. 13 G. 13	White hexagonal tower; 52.	G. 154°-198°, W.-215°, R.-240°30', G.-270°, W.-278°, R.-287°, G.-304°, R.-320°, G.-079°30', W.-089°30', R.-106°, G.-143°, W.-146°, R.-154°, obscured 295°-063°.
4220 C 1723	-Range, front.	54° 55.1' N 11° 21.2' E	F.R.	13 4	4	Mast, round daymark; 13.	Visible 184°30'-244°30'. Marks cable to Fejo.
4224 C 1723.1	--Rear, 94 meters 214°30' from front.	54° 55.1' N 11° 21.1' E	F.R.W. (vert.)	26 8	4	Metal mast, round and diamond daymarks; 26.	Visible 184°30'-244°30'. 2 meters apart.
4225 C 1721.7	Kragenaes, Ferry Harbor Range, front.	54° 55.0' N 11° 21.6' E	Iso.R. period 2s	23 7	4	Mast; 16.	Visible 266°06'-272°06'. Shown 24 hours.
4225.1 C 1721.71	-Rear, 59 meters 269°06' from front.	54° 55.0' N 11° 21.5' E	Iso.R. period 4s	33 10	4	Mast; 26.	Visible 266°06'-272°06'. Shown 24 hours.
FEMO HAVN:							
4228 C 1741	-ESE. of harbor Range, front.	54° 58.0' N 11° 31.0' E	F.G.	16 5	5	Gray post, orange triangular daymark point up.	Visible 051°-141°.
4232 C 1742	--Rear, 120 meters 096° from front.	54° 58.3' N 11° 31.1' E	F.G.	26 8	5	Gray framework mast, orange triangular daymark point down.	Visible 051°-141°.
4236 C 1740	-W. mole.	54° 58.3' N 11° 30.8' E	F.R.	14 4		Post; 10.	Visible 338°-146°.
DENMARK-SMAALANDS FARVANDET							
4240 C 1734	Skalo Harbor, W. mole, head.	54° 57.4' N 11° 21.4' E	F.W.	10 3	2	Red tower, white stripes; 7.	
4248 C 1752	Bandholm Channel Range, front.	54° 53.0' N 11° 27.1' E	Iso.W. period 2s	20 6	8	Red post, red triangular daymark point up; 16.	Visible 289°12'-326°12'.
4252 C 1752.1	-Rear, 110 meters 312°42' from front.	54° 53.0' N 11° 27.0' E	Iso.W. period 4s	43 13	8	Red mast, red triangular daymark point down; 23.	Visible 289°12'-326°12'.
FEJO HAVN:							
4256 C 1736	-Range, front.	54° 56.7' N 11° 26.1' E	Iso.R. period 2s			Building	
4260 C 1736.1	--N. of harbor, rear, 347° from front.	54° 56.7' N 11° 26.1' E	Iso.R. period 4s			Post.	
ASKO HAVN:							
4264 C 1748	-E. mole, head.	54° 53.0' N 11° 29.0' E	F.G.	16 5	4	Post; 3.	
4268 C 1749	-W. mole, head.	54° 53.0' N 11° 28.9' E	F.R.	16 5	4	Post; 3.	
BANDHOLM HAVN:							
4272 C 1760	-N. mole, head.	54° 50.4' N 11° 29.6' E	Fl.G. period 3s	13 4	3	Pile.	
4276 C 1760.5	-S. mole, head.	54° 50.3' N 11° 29.6' E	Fl.R. period 3s	13 4	3	Pile.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-SMAALANDS FARVANDET							
4280 C 1770	-Eastern Range, front.	54° 50.0' N 11° 29.5' E	Iso.R. period 2s	26 8	3	Beacon, red triangular daymark point up; 20.	
4284 C 1770.1	--Rear, 550 meters 201° from front.	54° 49.7' N 11° 29.3' E	Iso.R. period 4s	66 20	3	Castle, lantern.	
SJAELLAND:							
4288 C 1788	-Karrebaeksminde.	55° 10.6' N 11° 38.6' E	Oc.W.R.G. period 10s lt. 8s, ec. 2s	30 9	W. 9 R. 7 G. 7	Gray framework mast; 23.	G. 326°-028°30', W.-067°30', R.-090°.
4290 C 1789	--N. mole, head.	55° 10.5' N 11° 38.2' E	Fl.R. period 3s	13 4	5	Red pipe; 7.	
4292 C 1792	--S. mole, head.	55° 10.5' N 11° 38.3' E	Fl.G. period 3s	13 4	5	Green pipe; 7.	
STORSTROM:							
4296 C 1798	-Ore, W. of Vordingborg.	55° 00.4' N 11° 52.2' E	Iso.W.R.G. period 4s	43 13	W. 12 R. 10 G. 10	White square tower, red bands; 43.	G. 050°-091°, W.-094°, R.-108°.
4300 C 1800	-Orehoved Havn Range, front.	54° 57.6' N 11° 51.2' E	Iso.R. period 2s	23 7	2	Post, red triangular daymark point up.	
4304 C 1800.1	--Rear, head of pier, 108 meters 272°30' from front.	54° 57.6' N 11° 51.1' E	Iso.W.R.G. period 4s	36 11	W. 11 R. 8 G. 8	White tower, red triangular daymark point down; 36.	G. 110°-158°, W.-171°, R.-290°.
4316 C 1796	-Masnedesund.	54° 59.8' N 11° 53.4' E	F.G.	23 7	8	Bridge.	
4324 C 1802	--Bridge.	54° 58.5' N 11° 53.6' E	2 F.W.	49 15	7	Bridge.	One on each side of bridge. Shown for inshore traffic.
			2 F.W.	52 16	7		One on each side of bridge. Shown for inshore traffic.
			F.W.R.	13 4	W. 7 R. 4		W. 302°-032°, R.-122°.
			F.W.G.	13 4	W. 7 G. 4		W. 122°-212°, G.-302°. Center of span marked by F.G. and F.R. lights.
4328 C 1804	-Masnedo E. of railway bridge Range, front.	54° 59.7' N 11° 53.4' E	F.G.	26 8	4	Post; 3.	Not shown when channel is blocked by ice.
4332 C 1804.1	--Rear, 60 meters 294°36' from front.	54° 59.7' N 11° 53.4' E	F.G.	39 12	4	Mast; 23.	Not shown when channel is blocked by ice.
-Vordingborg:							
4336 C 1814	--On quay Range, front.	55° 00.2' N 11° 54.9' E	F.R.	13 4	2	Mast; 10.	
4340 C 1814.1	---Rear, 103 meters 309° from front.	55° 00.3' N 11° 54.8' E	F.R.	26 8	2	Mast; 23.	2 F.W. shown at Oringe when automobile ferry is operating.
4344 C 1815	-Water tower.	55° 00.7' N 11° 55.3' E	F.R.	171 52	7	Water tower; 164.	
GRONSUND:							
-Stubbekobing:							
4348 C 1856	--W. of village.	54° 53.6' N 12° 01.6' E	Iso.W.R.G. period 4s	16 5	W. 12 R. 9 G. 9	White house, red band.	G. 147°-150°, W.-152°, R.-179°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-SMAALANDS FARVANDET							
4352 <i>C 1857</i>	--W. mole Range, front.	54° 53.6' N 12° 02.7' E	F.G.	10 3		Post; 3.	Visible 086°-266°. Marks dredged channel. Shown when harbor is clear of ice.
4356 <i>C 1857.1</i>	--Rear, 130 meters 176° from front.	54° 53.5' N 12° 02.7' E	F.G.	23 7		Gray framework tower; 23.	Visible 086°-266°.
4360 <i>C 1854</i>	-Bogo Havn Range, front.	54° 54.8' N 12° 03.1' E	F.G.	33 10			
4364 <i>C 1854.1</i>	--Rear, 355° from front.	54° 54.8' N 12° 03.1' E	F.G.	39 12			
KALVEHAVE HAVN:							
4368 <i>C 1844</i>	-E. mole, head.	55° 00.0' N 12° 10.0' E	F.G.	13 4		4 Post; 10.	
4372 <i>C 1845</i>	-SW. mole, head.	54° 59.7' N 12° 10.1' E	F.R.	13 4		4 Post; 10.	
4376 <i>C 1846</i>	-W. mole, head.	55° 00.0' N 12° 10.0' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	13 4		4 Post; 7.	Siren: (on Ulvsand bridge 500 meters SW.) 1 bl. ev. 30s.
STEGE HAVN:							
4380 <i>C 1826</i>	-N. Harbor.	54° 59.0' N 12° 17.0' E	F.R.	8 2		White post; 3.	
4384 <i>C 1828</i>	--S. mole, head.	54° 59.1' N 12° 16.9' E	F.G.	8 2		White post; 3.	
4392 <i>C 1838</i>	Nyord, W. mole.	55° 02.4' N 12° 11.7' E	F.R.	10 3		4 Black mast; 7.	Occasional.
4394	<i>Rodby Harbor Approach Buoy.</i>	54° 38.3' N 11° 19.2' E	L.Fl.W. period 10s			SAFE WATER RW, pillar, topmark.	
	RACON		Long dash (—) period 120s		10		

DENMARK-BALTIC SEA

LOLLAND:

4395 <i>C 2219</i>	-Kramnitse Havn, W. mole, head.	54° 42.3' N 11° 14.9' E	Fl.R. period 3s	13 4		3 Red pole.	
-Rodby Havn:							
4396 <i>C 2216</i>	--Entrance Range, front.	54° 39.2' N 11° 21.0' E	Iso.R. period 2s	56 17		6 Gray framework tower, red triangular daymark point up.	Visible 030°12'-060°12'.
4400 <i>C 2216.1</i>	--Rear, 300 meters 045°12' from front.	54° 39.3' N 11° 21.3' E	Iso.R. period 4s	85 26		6 Gray framework tower, red triangular daymark point down.	Visible 030°12'-060°12'. Synchronized with front.
4404 <i>C 2218</i>	--W. mole, head.	54° 39.0' N 11° 20.7' E	F.R.	26 8		5 Red framework mast; 16.	
4408 <i>C 2218.2</i>	--E. mole, head.	54° 39.0' N 11° 20.7' E	F.G.	26 8		5 Green framework mast, hut; 16.	Horn: (on request.) 1 bl. ev. 20s (bl. 3s, si. 17s).
4420 <i>C 2210</i>	-Nysted, Skansehage, S. of harbor.	54° 39.2' N 11° 44.0' E	F.W.	33 10		6 Framework tower; 23.	Intensified 000°-005°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-BALTIC SEA							
-Rodsand Rende:							
4424 C 2188	--S. head.	54° 32.8' N 11° 56.2' E	Fl.(3)R. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	43 13	10	Red pillar, lantern; 46. Floodlit.	Horn: 3 bl. ev. 30s (bl. 2s, si. 2s, bl. 2s, si. 2s, bl. 2s, si. 20s). Fog detector light.
4428 C 2192	--N. head.	54° 33.8' N 11° 55.9' E	Fl.R. period 3s	23 7	4	Gray post, round base.	
4436 C 2186	Gedser (Gjedser) Odde.	54° 33.8' N 11° 57.8' E	Fl.(2)W. period 15s	85 26	18	White hexagonal tower; 66.	Visible 190°-100°.
GEDSER HAVN:							
4440 C 2196	-Range, front, E. mole.	54° 34.3' N 11° 55.7' E	Iso.W. period 2s	56 17	9	Framework mast, red triangular daymark point up; 49.	Visible 280°30'-060°30'. Shows toward Rodsand channel.
4444 C 2196.1	--N. of harbor, rear, 376 meters 350°30' from front.	54° 34.5' N 11° 55.6' E	Iso.W. period 2s	85 26	9	Framework mast, red triangular daymark point down; 98.	Visible 280°30'-060°30'. Synchronized with front.
4448 C 2202	-W. mole, head.	54° 34.3' N 11° 55.6' E	FR.	23 7		Gray metal mast; 16.	Fog detector light.
4452 C 2203	-E. mole, head.	54° 34.3' N 11° 55.6' E	FG.	23 7		Hut.	Bell sounded when ferries are expected. Fog detector light.
4460 C 2180	Hesnaes Havn Range, front.	54° 49.4' N 12° 08.3' E	FR.	16 5		White mast; 20.	
4464 C 2180.1	-Rear, inner part of NE. mole, 100 meters 018°30' from front.	54° 49.4' N 12° 08.3' E	FR.	20 6		White mast; 23.	
GRONSUND:							
4468 C 2152	-Hestehoved, S. point of entrance.	54° 50.0' N 12° 09.9' E	Oc.(2)W.R.G. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	45 14	W. 11 R. 9 G. 9	White house; 13.	R. 216°30'-264°, G.-290°, W.-342°, R.-007°, G.-024°.
4472 C 2166	-Range, S. side of entrance, front, near pilot's tower.	54° 53.0' N 12° 07.2' E	Iso.W. period 2s	39 12	12	White tower, red triangular daymark point up; 43.	Intensified 319°-329°.
4476 C 2166.1	--Rear, 520 meters 324° from front.	54° 53.2' N 12° 06.9' E	Iso.W. period 4s	66 20	12	Gray framework tower, red triangular daymark point down, white bands; 62.	Intensified 319°-329°.
4480 C 2178	-Borgsted, SW. point of Mon.	54° 54.2' N 12° 06.5' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	11 3	W. 10 R. 8 G. 8	White house, red band; 13.	G. 317°-320°, W.-323°, R.-332°30'.
4484 C 2155.4	-Harbolle.	54° 53.3' N 12° 08.2' E	Oc.W.R.G. period 10s lt. 8s, ec. 2s	20 6	W. 12 R. 9 G. 9	Framework tower, red triangular daymark point up, white bands; 23.	G. 064°-101°30', W.-106°30', R.-117°.
4487 C 2154.9	-S. Range, front.	54° 53.0' N 12° 08.9' E	Iso.G. period 2s	33 10	7	Framework tower, red triangular daymark point up, white bands; 23.	Intensified 347°30'-359°30'.
4488 C 2155	--Rear, 480 meters 353°30' from front.	54° 53.3' N 12° 08.8' E	Iso.G. period 4s	69 21	8	Framework tower, red triangular daymark point down, white bands; 33.	Intensified 348°30'-358°30'.
4500 C 2146	Klintholm Havn.	54° 57.1' N 12° 27.8' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	13 4	4	Post; 10.	
4504 C 2148	-S. mole, head.	54° 57.1' N 12° 27.8' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	16 5	4	White pedestal; 10.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-BALTIC SEA							
4508 <i>C 2142</i>	Mon.	54° 56.8' N 12° 32.4' 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	82 25	21	Yellow square tower; 43.	Visible 214°-071° and in Hjelms Bay.
4512 <i>C 2144</i>	Hellehavn Nakke, NE. point of Mon.	55° 00.4' N 12° 31.3' E	Fl.W.R.G. period 5s fl. 1s, ec. 4s	131 40	W. 14 R. 11 G. 11	Red tower, white band; 20.	G. 140°-165°, W.-279°, R.-320°.
4514	<i>Buoy DW-79.</i>	54° 46.1' N 12° 44.1' E	Fl.(3)G. period 10s			STARBOARD (A) G, buoy, topmark.	
	RACON		Z(- - • •)				(3 & 10cm).
	FAKSE (FAXE) HAVN:						
4528 <i>C 2104</i>	-Range, front.	55° 13.0' N 12° 09.8' E	F.R.	26 8	3	Red post, red triangular daymark point up; 33.	Visible 233°-098°. Shown 24 hours.
4532 <i>C 2104.1</i>	--Rear, 111 meters 345°30' from front.	55° 12.8' N 12° 09.7' E	F.R.	33 10	3	Red post, red triangular daymark point down; 46.	Visible 233°-098°. Shown 24 hours.
4552 <i>C 2098</i>	Rodvig Havn, E. pier, head.	55° 15.1' N 12° 22.5' E	Fl.G. period 3s fl. 0.8s, ec. 2.2s	16 5	3	Red pedestal, white band.	
4556 <i>C 2099</i>	-W. mole, head.	55° 15.1' N 12° 22.5' E	Fl.R. period 3s fl. 0.8s, ec. 2.2s	16 5	3	Gray conical concrete hut; 7.	
4560 <i>C 2100</i>	-Middle mole, SE. head.	55° 15.2' N 12° 22.6' E	F.R.	11 3	2	Gray post; 7.	
4564 <i>C 2100.2</i>	--SW., head.	55° 15.2' N 12° 22.6' E	F.G.	11 3	2	Gray post; 7.	
4568 <i>C 2100.4</i>	-W. side of E. mole.	55° 15.0' N 12° 23.0' E	F.G.	11 3	2	Gray post; 7.	

Section 4

The Sound and Bornholm

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-THE SOUND							
GILLELEJE HAVN:							
4572 <i>C 1866</i>	-Outer harbor, W. mole, head.	56° 07.8' N 12° 18.6' E	Fl.G. (neon) period 3s fl. 1s, ec. 2s	23 7	4	Green round tower.	Shown by day in reduced visibility. Synchronized with 4584.
4576 <i>C 1868</i>	-N. basin, mole, head.	56° 07.7' N 12° 18.7' E	F.G.	23 7	3	Gray framework tower; 16.	Shown by day in reduced visibility.
4580 <i>C 1869</i>	-Inner harbor, N. mole, head.	56° 08.0' N 12° 19.0' E	F.G.	26 8		Gray metal tripod tower; 20.	Shown by day in reduced visibility.
4584 <i>C 1867</i>	-Outer harbor, E. mole, head.	56° 07.8' N 12° 18.7' E	Fl.R. (neon) period 3s fl. 1s, ec. 2s	23 7	3	Red reflective post; 13.	Synchronized with 4572.
4588 <i>C 1867.4</i>	-Spur mole, head.	56° 07.7' N 12° 18.7' E	FR.	13 4	4	Post; 7.	
4592 <i>C 1872</i>	Nakkehoved.	56° 07.2' N 12° 20.6' E	Fl.(3)W. period 20s fl. 0.4s, ec. 3.6s fl. 0.4s, ec. 3.6s fl. 0.4s, ec. 11.6s	177 54	20	White four-sided tower; 69.	
4596 <i>C 1876</i>	Hornbaek Havn, W. breakwater, head.	56° 05.9' N 12° 27.7' E	Fl.G. period 3s fl. 0.8s, ec. 2.2s	23 7	4	Green mast; 10.	
4598 <i>C 1877</i>	-E. breakwater, head.	56° 05.7' N 12° 27.6' E	Fl.R. period 3s fl. 0.8s, ec. 2.2s	23 7	4	Red wooden mast; 13. Floodlit.	
4600 <i>C 1878</i>	-N. mole, E. head.	56° 05.7' N 12° 27.6' E	F.G.	20 6	2	Green post; 7.	
4602 <i>C 1881.5</i>	Ellekilde Hage, N. Cable Range, front.	56° 05.5' N 12° 29.1' E	FR.	46 14	5	Pylon, red round daymark, white border; 30.	Visible 216°18'-246°18'.
4603 <i>C 1881.51</i>	-Rear, 218 meters 231°18' from front.	56° 05.4' N 12° 29.0' E	F.W.R. (vert.)	95 29	W. 6 R. 5	Pylon, white and red round daymark, red and white diamond daymark.	Visible 216°18'-246°18'. Marks N. boundary of cable area to Sweden. 6 meters apart.
4604 <i>C 1881</i>	Ellekilde Hage, S. Cable Range, front.	56° 05.4' N 12° 30.0' E	FR.	56 17	6	Pylon, red round daymark, white border.	Visible 216°18'-246°18'.
4608 <i>C 1881.1</i>	-Rear, 144 meters 231°18' from front.	56° 05.4' N 12° 29.9' E	F.W.R. (vert.)	98 30	W. 7 R. 6	Pylon, white and red round daymark, red and white diamond daymark; 30.	Visible 216°18'-246°18'. Range marks S. boundary of cable area to Sweden. 6 meters apart.
4612 <i>C 1884</i>	Julebaek.	56° 03.7' N 12° 34.3' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	26 8	W. 12 R. 9 G. 9	White hut, red band; 13.	R. 258°-278°, G.-288°, W.-290°30', R.-303°.
4616 <i>C 1900</i>	Lappestensbatteri Cable Range, front.	56° 03.0' N 12° 35.5' E	FR.	75 23	5	Framework tower, round daymark; 69.	Visible 191°30'-261°30'.
4620 <i>C 1900.1</i>	-Rear, 110 meters 226°30' from front.	56° 03.0' N 12° 35.4' E	FR.W. (vert.)	105 32	5	Framework tower, round daymark, diamond daymark; 75.	Visible 191°30'-261°30'. Marks N. boundary of cable area to Sweden. 2 meters apart.
4624 <i>C 1898</i>	Lappestensbatteri Cable Range, front.	56° 03.0' N 12° 35.6' E	FR.	59 18	6	Framework tower, round daymark; 49.	Visible 194°-264°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-THE SOUND							
4628 <i>C 1898.1</i>	-Rear, 167 meters 229° from front.	56° 02.9' N 12° 35.5' E	F.R.W. (vert.)	111 34	W. 8 R. 6	Framework tower, round daymark, diamond daymark; 82.	Visible 194°-264°. Indicates direction of cable to Sofiero in Sweden. 2 meters apart.
4632 <i>C 1890</i>	Marienlyst, N. Cable Range, front.	56° 02.8' N 12° 35.8' E	F.R.	79 24	5	Framework tower, round daymark; 59.	Visible 186°30'-296°30'.
4636 <i>C 1890.1</i>	-Rear, 100 meters 241°30' from front.	56° 02.8' N 12° 35.7' E	F.R.W. (vert.)	125 38	W. 7 R. 5	Television tower, round daymark, diamond daymark; 279.	Visible 186°30'-296°30'. Indicates direction of cable to Sweden. 2 meters apart.
4640 <i>C 1891</i>	Marienlyst, Middle Cable Range, front.	56° 02.8' N 12° 36.0' E	F.R.	75 23	6	Framework tower, round daymark; 69.	Visible 206°30'-276°30'.
4644 <i>C 1891.1</i>	-Rear, 215 meters 241°30' from front.	56° 02.7' N 12° 35.8' E	F.R.W. (vert.)	111 34	W. 8 R. 6	Framework tower, round daymark, diamond daymark; 30.	Visible 206°30'-276°30'. Indicates direction of cable to Sweden. 2 meters apart.
4648 <i>C 1894</i>	Gronnehave Cable Range, front.	56° 02.5' N 12° 36.9' E	F.R.	33 10		Mast, round daymark; 26.	Visible 186°-296°.
4652 <i>C 1894.1</i>	-Rear, 240 meters 241° from front.	56° 02.4' N 12° 36.7' E	F.R.W. (vert.)	56 17		Mast, round daymark, diamond daymark; 52.	Visible 186°-296°. Marks S. boundary of cable area to Sweden. 3 meters apart.
HELSINGOR NORDHAVN:							
4656 <i>C 1903</i>	-N. outer breakwater, head.	56° 03.0' N 12° 37.0' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	13 4	3	White tower; 7.	
4660 <i>C 1904</i>	-N. outer breakwater, 128 meters from head.	56° 02.7' N 12° 37.1' E	Fl.W. period 5s fl. 1s, ec. 4s	13 4	3	Gray post; 7.	
4664 <i>C 1902</i>	-S. outer breakwater, head.	56° 02.6' N 12° 37.1' E	Fl.R. period 3s fl. 0.7s, ec. 2.3s	13 4	3	White tower; 7.	
4668 <i>C 1904.5</i>	-S. inner breakwater, head.	56° 02.7' N 12° 37.1' E	Fl.R. period 5s fl. 1s, ec. 4s	7 2	3	Gray post; 7.	
4670	<i>-Midchannel buoy M4.</i>	56° 03.3' N 12° 39.2' E	Iso.W. period 2s			SAFE WATER RW, pillar, topmark.	
			T(-) period 30s				
4672 <i>C 1908</i>	Kronborg.	56° 02.4' N 12° 37.3' E	Oc.(2)W.R.G. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	112 34	W. 15 R. 12 G. 12	Castle tower; 102.	G. 129°-137°, W.-145°, R.-161°, G.-214°, W.-311°, R.-349°, G.-352°, W.-356°, R.-017°, G.-027°. Obscured by SE tower of castle. Shown 24 hours.
HELSINGOR HAVN:							
4676 <i>C 1912</i>	-S. pier, head.	56° 02.1' N 12° 37.2' E	F.R.	23 7	6	Red cylindrical metal tower; 20. Floodlit.	Obscured when bearing less than 219°.
4684 <i>C 1914</i>	-N. mole, head.	56° 02.1' N 12° 37.2' E	F.G.	23 7	6	Green cylindrical tower; 20. Floodlit.	
4692 <i>C 1916</i>	Snekkersten Havn, S. mole, head.	56° 00.5' N 12° 35.4' E	F.R.	13 4	3	Post.	
4696 <i>C 1918</i>	Espergaerde Havn, S. mole, head.	55° 59.5' N 12° 33.8' E	F.R.	11 3	4	White octagonal building.	Visible 172°-325°.
4700 <i>C 1920</i>	Humblebaek Havn, S. mole, head.	55° 58.3' N 12° 32.8' E	F.R.	23 7	2	White post.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-THE SOUND							
4704 <i>C 1924</i>	Sletten Havn, S. mole, head.	55° 57.2' N 12° 32.3' E	Fl.R. period 3s fl. 0.8s, ec. 2.2s	13 4	4	White post; 10.	Visible 101°-349°. Fl.W. 5s 5M marks mole close S.
4706 <i>C 1925</i>	Niva, S. mole, head.	55° 56.4' N 12° 31.8' E	F.R.	13 4	4	Red post; 7.	
4708 <i>C 1926</i>	Rungsted Havn, new S. mole, head.	55° 53.2' N 12° 33.0' E	Fl.R. period 3s fl. 0.8s, ec. 2.2s	20 6	6	Red post; 16.	
4712 <i>C 1940</i>	Vedback Havn, E. mole, head.	55° 51.0' N 12° 34.4' E	Fl.R. period 3s fl. 0.8s, ec. 2.2s	16 5	4	Red post; 7.	
4713 <i>C 1938</i>	-W. mole, head.	55° 51.0' N 12° 34.4' E	Fl.G. period 3s fl. 0.8s, ec. 2.2s	16 5	4	Green post; 7.	
4716 <i>C 1942</i>	Taarbaek Havn, S. mole, head.	55° 47.2' N 12° 35.8' E	F.R.	16 5		Gray post; 13.	
SKOVSHOVED HAVN:							
4720 <i>C 1945.4</i>	-Breakwater, N. head.	55° 46.0' N 12° 36.0' E	Fl.R. period 3s	16 5	4	Gray post; 10.	Shown 24 hours.
4728 <i>C 1946</i>	-N. mole, head.	55° 46.0' N 12° 36.0' E	F.G.	20 6	5	Gray post; 10.	Shown 24 hours.
4732 <i>C 1948</i>	-S. mole, head.	55° 46.0' N 12° 36.0' E	F.R.	20 6	5	Gray post; 10.	Shown 24 hours.
4736 <i>C 1950</i>	Hellerup, E. mole, head.	55° 43.9' N 12° 34.9' E	Fl.G. period 3s fl. 0.8s, ec. 2.2s	16 5	4	Green lighthouse, copper roof; 13.	Visible 180°-090°.
KOBENHAVN (COPENHAGEN):							
4760 <i>C 1964</i>	-Middlegrunds Fort, W.	55° 43.3' N 12° 39.9' E	Iso.W.R.G. period 8s	36 11	8	Orange lighthouse.	R. 005°-069°, G.-128°, R.-173°, G.-184°, W.-193°, R.-225°. Shown 24 hours.
4764 <i>C 1965</i>	--E.	55° 43.2' N 12° 40.0' E	Iso.W.R.G. period 4s	36 11	8	Orange lighthouse.	W. 204°30'-245°, R.-290°, G.-346°, W.-350°, R.-056°. Shown 24 hours.
4768 <i>C 1966</i>	-E. mole, head.	55° 43.2' N 12° 40.0' E	F.G.	8 2	2	Post.	
4772 <i>C 1967</i>	-W. mole, head.	55° 43.1' N 12° 39.9' E	F.R.	8 2	2	Post.	
4776 <i>C 1968</i>	-Quay wall, entrance Range, front.	55° 43.0' N 12° 40.0' E	F.W.	16 5	3	Beacon, white triangular daymark point up.	Shown when a vessel is expected.
4780 <i>C 1968.1</i>	--Rear, 12 meters 000° from front.	55° 43.2' N 12° 40.0' E	F.W.	19 6	3	Beacon, white triangular daymark point down.	Shown when a vessel is expected. Synchronized with front.
4784 <i>C 1976</i>	-Svanemollehavn, N. breakwater, head.	55° 43.1' N 12° 35.5' E	Fl.G. period 5s fl. 1s, ec. 4s	16 5	4	Green tower; 10.	
-Kalkbraenederi Havn:							
4796 <i>C 1977</i>	--E. mole, SE. Range, front.	55° 43.2' N 12° 35.7' E	Iso.R. period 2s	16 5	11	Red hut, white band.	Intensified 205°30'-210°30'. Shown 24 hours, Oct. 1 to Mar. 31.
4800 <i>C 1977.1</i>	--Rear, 955 meters 208°06' from front.	55° 42.7' N 12° 35.3' E	Iso.R. period 4s	39 12	11	Mast.	Intensified 205°30'-210°30'. Shown 24 hours Oct. 1 to Mar. 1.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-THE SOUND							
4802 C 1969	-Kobenhavn Nord.	55° 43.5' N 12° 37.9' E	Dir.Iso.W.R.G. period 4s	82 25	W. 7 R. 6 G. 5		G. 204°44'-207°14', W.- 212°14', R-214°44'. Shown 24 hours.
4804 C 1978	-Trekroner.	55° 42.2' N 12° 36.9' E	Iso.W.R.G. period 2s	66 20	W. 17 R. 13 G. 13	White round tower; 39.	G. 175°-221°, W.-224°, R.- 255°, G.-316°30', W.- 320°, R.-336°.
4808 C 1982	--Frihavn, S. side of entrance, breakwater, N. head.	55° 42.5' N 12° 36.8' E	Fl.R. period 3s fl. 0.8s, ec. 2.2s	23 7	8	Red round tower, white band; 23.	
	--RACON		T(-) period 120s		10		(3 cm).
4812 C 1983	-Stubben, breakwater, E. head.	55° 42.5' N 12° 36.7' E	Fl.G. period 3s fl. 0.8s, ec. 2.2s	23 7	8	Green round tower; 23.	
4816 C 1979	--Kronlobet, N. Dir. Lt. 242°48'.	55° 42.3' N 12° 36.0' E	Iso.W.G. period 4s	75 23	W. 11 G. 8	Framework tower.	G. 240°36'-242°48', W.- 245°36'. Range 4/3M by day.
4820 C 1979.2	---S. Dir. Lt. 242°48'.	55° 42.3' N 12° 35.9' E	Iso.W.R. period 4s	75 23	W. 11 R. 8	Framework tower.	W. 240°-242°48', R.-245°. Range 4/3M by day.
4824 C 1994	--Kronlobsbassin, N. side of entrance, mole, head.	55° 42.5' N 12° 36.3' E	F.G.	20 6	6	Green house.	
	-Yderhavn:						
4832 C 1986	--Lynnetlobet, N. breakwater, S. head.	55° 41.9' N 12° 37.0' E	Iso.W.R.G. period 4s	21 6	W. 4 R. 3 G. 3	Metal framework mast, green panels; 20.	W. 081°-089°, R.-094°, G.- 263°, W.-269°30', R.- 278°, G.-081°. Obscured 287°-291° and 308°-318°. Shown 24 hours Oct. 1. to Mar. 31.
4836 C 2002	--Lystbadehavn, (Yacht Harbor), N. side of entrance.	55° 41.7' N 12° 36.0' E	F.G.	11 3		Green post; 7.	Shown 24 hours Apr. 1 to Nov. 15.
4840 C 2003	--Bomlobet, E. side, front.	55° 41.3' N 12° 36.1' E	Iso.R. period 2s	13 4	4	Post.	Visible 179°06'-209°06'. R. and G. lights mark channel when bridge is open.
4844 C 2003.1	---S. end, rear, about 90 meters 194°06' from front.	55° 41.3' N 12° 36.1' E	Iso.R. period 4s	23 7	4	Post; 23.	Visible 179°06'-209°06'.
4848 C 2006	--Bomlobet, E. side.	55° 41.3' N 12° 36.1' E	Iso.R. period 4s	10 3	3	Post; 23.	Visible southward.
4866 C 2012	-Teglværkslobet.	55° 39.3' N 12° 33.8' E	F.W.R.G.	26 8	W. 7 R. 5 G. 5	White post.	G. 034°18'-036°12', W.- 037°24' R.-039°18'.
4888 C 2074.7	-Slusehavnen, N. mole, head.	55° 38.6' N 12° 33.2' E	Fl.G. period 3s	7 2	3		
4900 C 2072	-Fishing Harbor Range, front, S. pier, head.	55° 38.5' N 12° 32.6' E	F.R.	13 4	3	Red pedestal, white band, white triangular daymark point up, red bands; 7.	Visible 216°-056°.
4904 C 2072.1	--Rear, 226 meters 315°30' from front.	55° 38.6' N 12° 32.5' E	F.R.	26 8	3	Post, white triangular daymark point down, red bands.	Visible 216°-056°.
4912 C 2024	-Provesten.	55° 41.0' N 12° 38.2' E	Oc.(3)W.R.G. period 15s	33 10	W. 12 R. 10 G. 10	White framework tower, white hut, red band; 26.	G. 175°-178°12', W.-180°18', R.-182°06', G.-203°. F.R. and F.G. lights on posts 0.6 mile NW.
4916 C 2030	-Provestenshavn Range, front.	55° 40.7' N 12° 38.1' E	Iso.R. period 2s	46 14	5	Red framework tower, red triangular daymark point up; 39.	Visible 219°54'-249°54'.
4920 C 2030.1	--Rear, 143 meters 234°54' from front.	55° 40.6' N 12° 38.0' E	Iso.R. period 2s	62 19	5	Red framework tower, red triangular daymark point down; 56.	Visible 219°54'-249°54'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-THE SOUND							
4924 C 2026	-N. detached breakwater, E. head.	55° 40.8' N 12° 38.4' E	Fl.G. period 3s fl. 0.8s, ec. 2.2s	20 6	6	Green round tower; 10.	
4928 C 2028	-S. detached breakwater, N. head.	55° 40.7' N 12° 38.4' E	Fl.R. period 3s fl. 0.8s, ec. 2.2s	20 6	6	Red round tower; 10.	
HOLLAENDERDYBET:							
4936 C 2042	-Nordre Rose.	55° 38.2' N 12° 41.2' E	Oc.(2)W.R.G. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	45 14	W. 17 R. 13 G. 13	Round granite tower; 56.	R. 140°-157°30', G.-176°30', W.-181°, R.-186°, G.- 030°30'. Shown 24 hours.
	-RACON		M(- -)				(3 & 10cm).
4940 C 2060	Drogden , S. entrance to channel.	55° 32.2' N 12° 42.7' E	Oc.(3)W.R.G. period 15s lt. 2s, ec. 2s lt. 2s, ec. 2s lt. 5s, ec. 2s	58 18	W. 18 R. 13 G. 13	White square tower, red bands, gray base; 66.	W.-357°30'-009°, R.-021°, G.-028°30', W.-071°, R.- 256°30', G.-357°30', partially obscured 219°- 231°. Shown 24 hours. Horn: Mo.(U) ev. 30s (bl. 1s, si. 1s, bl. 1s, si. 1s, bl. 2s, si. 24s). Occasional. Pilot station.
	RACON		X(- • • -)				(3 & 10cm).
AMAGER:							
4944 C 2040	-Sundby Yacht Club, Harbor Range, front.	55° 39.9' N 12° 38.1' E	Fl.R.	16 5		White beacon, red triangular daymark point up; 16.	
4948 C 2040.1	--Rear, 155 meters 252° from front.	55° 39.9' N 12° 38.0' E	Fl.R.	33 10		White beacon, red triangular daymark point down; 16.	
4964 C 2044	-Kastrup Strandpark, S. mole, head.	55° 38.6' N 12° 39.2' E	Fl.R. period 3s fl. 0.8s, ec. 2.2s	13 4	4	Red pillar; 7.	Floodlights show mole heads.
4968 C 2044.2	--N. mole, head.	55° 38.6' N 12° 39.1' E	Fl.G. period 3s fl. 0.8s, ec. 2.2s	13 4	4	Green pillar; 7.	
4980 C 2046	--N. pier, head.	55° 38.2' N 12° 39.5' E	Fl.G.	11 3	4	Green post; 7.	
-Dragor Havn:							
4996 C 2054	--S. pier, head.	55° 35.7' N 12° 40.9' E	Fl.R.	23 7	4	Gray mast; 13.	Shown 24 hours in reduced visibility.
5000 C 2055	--Range, front.	55° 35.6' N 12° 40.6' E	Iso.R. period 2s	10 3	3	Mast, red triangular daymark point up; 13.	
5004 C 2055.1	---Rear, 154 meters 254° from front.	55° 35.6' N 12° 40.5' E	Iso.R. period 2s	20 6	3	Mast, red triangular daymark point down; 23.	Synchronized with front.
-Dragor Faergehavn:							
5008 C 2056	--Range, front.	55° 35.6' N 12° 40.8' E	Iso.W. period 4s	52 16	12	Gray mast, red triangular daymark point up; 43.	Visible 208°30'-248°30'. Shown 24 hours in reduced visibility.
5012 C 2056.01	---Rear, 187 meters 228°30' from front.	55° 35.5' N 12° 40.7' E	Iso.W. period 4s	82 25	12	Gray mast, red triangular daymark point down; 75.	Visible 208°30'-248°30'. Synchronized with front. Shown 24 hours in reduced visibility.
5016 C 2056.4	-N. pier, head.	55° 35.7' N 12° 40.9' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	27 8	4	Gray pedestal; 7.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-THE SOUND							
5020 <i>C 2056.6</i>	-E. pier, head.	55° 35.6' N 12° 41.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	27 8	4	Gray pedestal; 7.	
5024 <i>C 2057</i>	-NE. mole, head.	55° 35.0' N 12° 41.0' E	Fl.R. period 5s fl. 1s, ec. 4s	10 3	3	Gray post, concrete base; 7.	Shown Apr. 1 to Nov. 15.
5028 <i>C 2057.2</i>	-Ferry Harbor, E. mole.	55° 35.0' N 12° 41.0' E	Fl.G. period 5s fl. 1s, ec. 4s	10 3	3	Gray post, concrete base; 7.	Shown Apr. 1 to Nov. 15.
5030 <i>C 2065</i>	-Avedore Harbor, W. mole.	55° 35.9' N 12° 29.1' E	FR.	30 9	4	Gray metal mast; 26.	
5030.3 <i>C 2065.4</i>	-E. Sector.	55° 36.2' N 12° 29.1' E	Oc.W.R.G. period 10s lt. 7.5s, ec. 2.5s	125 38	W. 6 R. 5 G. 5	Gray metal framework tower; 115.	G. 351°15'-355°, W- 357°30', R.-001°15'. Range 2/1M by day. Synchronized with 5030.6. Shown 24 hours.
5030.6 <i>C 2065.6</i>	-W. Sector.	55° 36.2' N 12° 29.1' E	Dir.W.R.G. period 10s fl. 7.5s, ec. 2.5s	125 38	W. 6 R. 5 G. 5	Gray metal framework tower; 115.	Oc.G. 348°45'-352°30', Oc.W.-355°, Oc.R.- 358°45'. Range 2/1M by day. Synchronized with 5030.3. Shown 24 hours.
5031 <i>C 2069</i>	-AVIATION LIGHT.	55° 36.1' N 12° 28.7' E	2 Fl.W. (vert.) period 2s	489 149	12	Chimney.	Shown 24 hours. 76 meters apart.
KALVEBOD:							
5032 <i>C 2068</i>	-S. Range, front.	55° 36.7' N 12° 30.5' E	Iso.W. period 2s	16 5	8	Mast, red triangular daymark point up.	Visible 358°54'-025°54'.
5036 <i>C 2068.1</i>	--Rear, 012°24' from front.	55° 36.8' N 12° 30.6' E	Iso.W. period 4s	30 9	8	Mast, red triangular daymark point down.	Visible 358°54'-025°54'.
5040 <i>C 2082</i>	Mosedede Havn, N. mole, head.	55° 34.0' N 12° 17.3' E	Fl.G. period 3s fl. 0.8s, ec. 2.2s	13 4	2	White pedestal; 7.	
5044 <i>C 2083</i>	-S. mole, head.	55° 34.0' N 12° 17.3' E	Oc.W.R.G. period 10s lt. 8s, ec. 2s	13 4	W. 7 R. 4 G. 4	White pedestal; 7.	G. 290°-306°, W.-316°, R.- 290°.
KOGE HAVN:							
5056 <i>C 2089</i>	-S. mole, head.	55° 27.0' N 12° 12.0' E	Fl.R. period 3s fl. 0.8s, ec. 2.2s	13 4	3	Red lantern; 7.	Shown 24 hours.
5068 <i>C 2089.5</i>	-N. mole, head.	55° 27.3' N 12° 12.2' E	Fl.G. period 3s fl. 0.8s, ec. 2.2s	13 4	3	Green oval pedestal; 7.	Shown 24 hours.
5080 <i>C 2094</i>	Stevns Klint.	55° 17.4' N 12° 27.2' E	L.Fl.W. period 25s fl. 3.2s, ec. 21.8s	210 64	21	White round tower; 85.	
SWEDEN-THE SOUND							
5084 <i>C 2260</i>	Kullen.	56° 18.1' N 12° 27.1' E	Fl.W. period 5s fl. 0.3s, ec. 4.7s	256 78	27	Gray tower, yellow house; 49.	Visible 332°30'-249°30'. Shown by day Nov. 1 to Mar. 31.
5088 <i>C 2262</i>	Kullen Vastra, foot of Kullaberg.	56° 18.1' N 12° 26.8' E	Oc.(3)W. period 20s	39 12	6	White lantern.	
5092 <i>C 2264</i>	Molle, outer mole, head.	56° 17.0' N 12° 29.5' E	Fl.(2)W.R.G. period 6s	21 6	W. 8 R. 5 G. 4	White pedestal, red band.	G. 356°-107°, W.-116°, R.- 180°, W.-335°, R.-356°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-THE SOUND							
5096 C 2265	Molle Hamn Range, front.	56° 17.0' N 12° 29.7' E	F.R.	29 9	3	Column, orange triangular daymark point up.	
5100 C 2265.1	-Rear, 23 meters 113° from front.	56° 17.0' N 12° 29.8' E	F.R.	34 10	3	Column, orange triangular daymark point down.	
5104 C 2266	Nyhamnslage, NNW. of Hoganas.	56° 14.6' N 12° 31.9' E	Fl.(3)W.R.G. period 9s	20 6	W. 8 R. 6 G. 5	Post.	R. 330°-010°30', G.-044°30', W.-055°12', R.-104°36', G.-124°54', W.-137°12', R.-145°.
HOGANAS:							
5108 C 2268	-Pier, head.	56° 11.8' N 12° 32.5' E	Oc.(2)W.R.G. period 8s	41 12	W. 9 R. 7 G. 6	White tower, red band; 33. Floodlit.	G. 359°-090°06', W.-097°30', R.-147°30'.
5112 C 2269	-Range, E. side, front.	56° 11.8' N 12° 33.3' E	Iso.W. period 3s	52 16	10	Pillar, red and white triangular daymark point up.	
5116 C 2269.1	--Rear, 750 meters 092°54' from front.	56° 11.8' N 12° 33.4' E	Iso.W. period 3s	68 21	10	Pillar, red and white triangular daymark point down.	Synchronized with front.
5120 C 2270	Lerberget, N. pier, head.	56° 10.6' N 12° 33.2' E	Fl.W. period 3s		6	Post, white lantern.	Fishing light shown Sep. 1 to Nov. 1 and at other times when required. Traffic signals.
5124 C 2274	-Svinbadan.	56° 09.0' N 12° 32.4' E	Iso.W.R.G. period 8s	78 24	W. 17 R. 8 G. 16 G. 14	Black tower, orange band, gray base, orange lantern ; 82. Floodlit. Helicopter platform.	G. (unintensified) 314°54'-329°, G.-334°, W.-080°, R.-095°, G.-104°, W.-150°06', R.-157°06', G.-162°, G. (unintensified)-188°18', W. (unintensified)- 314°54'.
-RACON B(- • • •) 15 (3 & 10cm).							
5128 C 2276	-Viken, pier, head.	56° 08.4' N 12° 34.6' E	Q.W.R.G.	27 8	W. 9 R. 7 G. 4	White lantern.	G. 310°-359°48', W.-068°42', R.-106°06', G.-121°12'.
5130 C 2276.8	-Kristenlunds Cable N. Range, front.	56° 08.3' N 12° 35.3' E	Iso.R. period 6s	62 19	7	Pylon, white triangular daymark point up, red border.	
5130.1 C 2276.81	--Rear, 275 meters 052° from front.	56° 08.4' N 12° 35.5' E	Iso.R. period 6s	83 25	7	Pylon, white triangular daymark point down, red border.	Indicates northernmost cable to Denmark.
5132 C 2277	-S. Cable Range, front.	56° 07.9' N 12° 35.6' E	Oc.R. period 5s lt. 4s, ec. 1s	62 19	7	Framework tower, white triangular daymark point up, red border.	
5136 C 2277.1	--Rear, 270 meters 052° from front.	56° 08.0' N 12° 35.7' E	Oc.R. period 5s	95 29	7	Framework tower, white triangular daymark point down, red border.	Marks S. boundary of cable area. Synchronized with front.
5140 C 2277.6	-Domstens, breakwater, N. head.	56° 07.0' N 12° 36.2' E	Fl.(3)W.R.G. period 8s	10 3	W. 6 R. 4 G. 3	Post.	G. 335°-019°54', W.-030°12', R.-060°12', G.-090°, W.-120°06', R.-144°42'.
5144 C 2278	-Sofiero, front.	56° 05.1' N 12° 39.3' E	Iso.R. period 4s	72 22	7	Beacon, white diamond daymark.	Visible on range line only.
5148 C 2278.1	--Rear, 125 meters 046° from front.	56° 05.1' N 12° 39.4' E	Iso.R. period 4s	102 31	7	Beacon, white diamond daymark.	Visible on range line only. Marks N. boundary of cable area. Synchronized with front.
5160 C 2283	-Palsjo S. Kraftkabel Range, front.	56° 04.1' N 12° 40.5' E	Iso.R. period 4s	85 26	7	Mast, white triangular daymark point up, red border.	Visible on range line only. Marks S. cable.
5164 C 2283.1	--Rear, about 35 meters 061°30' from front.	56° 04.2' N 12° 40.8' E	Iso.R. period 4s	188 57	7	Mast, white triangular daymark point down, red border.	Visible on range line only. Synchronized with front.
5176 C 2284	-S. cable mark, N. of town Range, front.	56° 03.6' N 12° 40.8' E	Iso.R. period 8s	27 8	7	Beacon, round daymark.	Visible 018°-108°. Marks S. boundary of cable area.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-THE SOUND							
5180 C 2284.1	--Rear, 115 meters 062° from front.	56° 03.7' N 12° 40.9' E	Iso.R. period 8s	75 23	6	Beacon, round and diamond daymarks.	Visible 018°-108°. Synchronized with front.
5184 C 2288	-Helsingborg , near S. end of N. mole.	56° 02.6' N 12° 41.3' E	Oc.W.R.G. period 15s	56 17	W. 18 R. 15 G. 13	Tower, red house; 59.	G. 335°-359°48', W.-011°42', R.-059°24', G.-122°, W.-136°24', R.-148°24'. Shown by day Nov. 1 to Mar. 31.
5186 C 2288.1	-Norra Hamnen.	56° 02.9' N 12° 41.0' E	Oc.(2)W.R.G. period 10s	16 5	W. 6 R. 4 G. 4	Mast.	G. 320°-058°30', W.-127°30', R.-195°.
5192 C 2289	-Vastra Range, front.	56° 02.6' N 12° 41.3' E	Q.W.	36 11	9	Post, red triangular daymark point up.	Visible on range line only. Shown by day Nov. 1 to Mar. 31.
5196 C 2289.1	--Rear, 150 meters 000°48' from front.	56° 02.7' N 12° 41.3' E	Q.W.	52 16	9	Framework tower, red triangular daymark point down.	Visible on range line only. Shown by day Nov. 1 to Mar. 31.
5197 C 2305.3	-Vasthamnen Range, front.	56° 01.7' N 12° 41.6' E	Oc.R. period 4s	86 26	12	Framework tower, red triangular daymark point up, white stripe.	
5197.1 C 2305.31	--Rear, 236 meters 003° from front.	56° 01.9' N 12° 41.6' E	Oc.R. period 4s	138 42	12	Framework tower, red triangular daymark point down, white stripe.	Synchronized with front.
5198 C 2305.5	-Vasthamnen, W. breakwater, head.	56° 01.5' N 12° 41.5' E	Fl.(3)R. period 10s	47 14	12	Red framework tower. Floodlit.	Synchronized with 5199.
5199 C 2305.4	--E. breakwater, head.	56° 01.6' N 12° 41.6' E	Fl.(3)G. period 10s	47 14	10	Green framework tower.	Synchronized with 5198.
5200 C 2291	-S. mole head, N. side of N. entrance, No 4.	56° 02.5' N 12° 41.1' E	Q.R.	27 8	8	Red lantern. Floodlit.	
5204 C 2292	-Detached breakwater No 3, N. head.	56° 02.4' N 12° 41.1' E	Q.G.	27 8	7	Green lantern.	
5208 C 2294	-Detached breakwater No 2, SW. head.	56° 02.4' N 12° 41.2' E	Iso.R. period 3s	27 8	8	Red lantern.	
5212 C 2296	-Pier No 1, N. head.	56° 02.4' N 12° 41.3' E	Iso.G. period 3s	27 8	4	Green lantern.	
5214 C 2305	-Outfall range, front.	56° 02.1' N 12° 41.5' E	F.R.	30 9	4	Lantern, white triangular daymark point up, black bands.	
5214.1 C 2305.1	--Rear, 240 meters 067° from front.	56° 02.1' N 12° 41.7' E	F.R.	43 13	4	Lantern, white diamond daymark, black bands.	
5216 C 2306	-Sydhamn Range, front.	56° 01.5' N 12° 41.9' E	Iso.W. period 3s	72 22	12	White framework tower, yellow triangular daymark point up, red border.	Visible on range line only. Shown 24 hours.
5220 C 2306.1	--Rear, 254 meters 001°36' from front.	56° 01.7' N 12° 41.9' E	Iso.W. period 3s	92 28	12	White framework tower, yellow triangular daymark point down, red border.	Visible on range line only. Synchronized with front. Shown 24 hours.
5224 C 2307	-Head of mole W. side of entrance.	56° 01.1' N 12° 41.8' E	Q.R.	39 12	7	Red framework tower. Floodlit.	Shown by day Nov. 1 to Mar. 31.
5228 C 2308	-Head of mole E. side of entrance.	56° 01.1' N 12° 41.9' E	Q.G.	39 12	6	Green framework tower. Floodlit.	Shown by day Nov. 1 to Mar. 31.
5230 C 2314	-Outfall range, front.	56° 00.7' N 12° 42.3' E	F.R.	20 6	5	White triangular daymark point up, red border.	
5230.1 C 2314.1	--Rear, 90 meters 068° from front.	56° 00.7' N 12° 42.4' E	F.R.	39 12	5	White triangular daymark point down, red border.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-THE SOUND							
-Bulkhamnen:							
5232 C 2311.1	--Entrance range, front.	56° 00.5' N 12° 42.5' E	Oc.W. period 4s	87 27	15	Conveyor belt, orange triangular daymark point up, white border.	Visible on range line only. Shown by day Nov. 1 to Mar. 31. Buoyed channel leads into harbor.
5236 C 2311.1	--Rear, 500 meters 349°06' from front.	56° 00.7' N 12° 42.4' E	Oc.W. period 4s	262 80	15	Chimney, orange triangular daymark point down, white border.	Visible on range line only. Shown by day Nov. 1 to Mar. 31.
5240 C 2312	--Entrance channel, E. side range, front.	56° 00.5' N 12° 42.5' E	F.G.	75 23	9	Building, green triangular daymark point up.	Shown by day Nov. 1 to Mar. 31.
5244 C 2312.1	--Rear, 175 meters 349°30' from front.	56° 00.6' N 12° 42.5' E	F.G.	92 28	9	Mast, green triangular daymark point down.	Shown by day Nov. 1 to Mar. 31.
--Entrance channel:							
5248 C 2313	---W. side range, front.	56° 00.4' N 12° 42.5' E	F.R.	49 15	11	Conveyor belt, red triangular daymark point up.	Shown by day Nov. 1 to Mar. 31.
5252 C 2313.1	---Rear, 275 meters 349°30' from front.	56° 00.5' N 12° 42.5' E	2 Iso.R. (vert.) period 2s	89 27	11	Conveyor belt, two red triangular daymarks points down.	Shown by day Nov. 1 to Mar. 31. 3 meters apart.
5256 C 2310	--E. mole, head.	56° 00.3' N 12° 42.7' E	Fl.G. period 3s	23 7	6	Gray beacon; 16. Floodlit.	Shown by day Nov. 1 to Mar. 31.
5260 C 2309	--W. mole, head.	56° 00.3' N 12° 42.4' E	Fl.R. period 3s	16 5	6	Metal framework tower, white base. Floodlit.	Shown by day Nov. 1 to Mar. 31.
5264 C 2316	Raa, head of pier.	55° 59.5' N 12° 44.5' E	Q.W.R.G.	22 7	W. R. G. 6 5	Framework tower, white lantern.	G. 304°-002°, W.-075°, R.-100°, G.-182°.
5265 C 2316.4	-Raa, small craft harbor.	55° 59.3' N 12° 44.6' E	F.R.	13 4	6	Post.	
5268 C 2318	Alabodarna, pier, head.	55° 56.3' N 12° 46.4' E	Fl.W. period 3s	18 6	4	White metal framework tower.	
VEN (HVEN):							
5272 C 1936	-Haken cable Range, front.	55° 54.6' N 12° 43.5' E	Iso.W.R.G. period 8s	49 15	W. R. R. G. 16 13 7 12	White tower, buildings; 39.	R. 135°48'-148°54', G.-162°, W.-170°36', R.-311°12', G.-343°06', W.-350°30', R.-004°54'. Shown by day Nov. 1 to Mar. 31.
5272.1 C 1936.1	--Rear, 90 meters 245° from front.	55° 54.5' N 12° 43.4' E	F.R.	72 22	12	Lantern, red and white diamond daymark.	Visible on range line only. Range indicates cable and pipeline crossing.
5276 C 1934	-Backviken, S. breakwater, N. head.	55° 54.2' N 12° 43.4' E	F.R.G.	14 4	R. G. 4 3	White framework tower.	R. 214°54'-355°54', G.-214°54'.
5280 C 1932	-Vens Sodra Udde.	55° 53.5' N 12° 42.7' E	Fl.(2)W.R.G. period 6s	115 35	8	White tower, red band; 26.	G. 254°12'-265°24', W.-286°42', R.-332°, G.-347°24', W.-001°42', R.-070°.
5284 C 1928	-Ven, NW. point of island.	55° 55.1' N 12° 40.0' E	L.Fl.W.R.G. period 10s fl. 2s, ec. 8s	78 24	W. R. G. 16 13 12	White tower, red band; 26.	G. 000°-084°, W.-167°, R.-179°, G.-182°, W.-250°, R.-252°12'.
5288 C 1930	-Kyrkbacken, head of mole, SW. side of island.	55° 54.6' N 12° 40.3' E	Iso.W.R.G. period 4s	23 7	W. R. G. 13 9 8	White tower.	G. 321°06'-332°, W.-045°24', R.-074°24', G.-092°36', W.-102°30', R.-131°42', G.-156°54', W.-321°06', partially obscured 158°-321°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-THE SOUND							
5290 C 2320	Rustningshamn cable Range, front.	55° 55.6' N 12° 47.5' E	F.R.	33 10	8	Post, red and white diamond daymark.	Visible on range line only. Indicates cable and pipeline crossing to Ven.
5290.1 C 2320.1	-Rear, 90 meters 065° from front.	55° 55.6' N 12° 47.6' E	F.R.	82 25	8	Post, red and white diamond daymark.	Visible on range line only.
5292 C 2324	Borstahusen, head of N. pier.	55° 53.7' N 12° 48.0' E	L.FI.W.R.G. period 7.5s fl. 2.5s, ec. 5s	22 7	W. 10 R. 7 G. 6	White pedestal.	R. 355°30'-025°30', G.-045°42', W.-152°54', R.-157°54', obsc.-200°36', R.-320°06'.
LANDSKRONA:							
5296 C 2326	-Grasrannan.	55° 51.7' N 12° 47.7' E	Oc.(2)W.R.G. period 7s	14 4	W. 12 R. 10 G. 8	White lantern, stone base.	G. 105°-165°, W.-168°, R.-185°, G.-231°, G. 265°-338°, W.-342°, R.-001°30'.
	-RACON		G(- - •)		8		(3 & 10cm).
5304 C 2328	-Entrance channel, S. side range, front.	55° 52.0' N 12° 49.0' E	Oc.G. period 4s	20 6	7	White pedestal, green top on dolphin.	Synchronized with rear. Also synchronized with 5312 and 5316 in line. Shown by day Nov. 1 to Mar. 31.
5308 C 2328.1	--Rear, 500 meters 094° from front.	55° 52.0' N 12° 49.5' E	Oc.G. period 4s	46 14	10	Mast, green diamond daymark.	Visible 084°-104°. Synchronized with front. Also synchronized with 5312 and 5316 in line. Shown by day Nov. 1 to Mar. 31.
5311	-Knolen Light Buoy.	55° 51.2' N 12° 44.4' E	Q.(3)W. period 10s	13 4		E. CARDINAL BYB, pillar, topmark.	
	-RACON		K(- • -)		6		(3 & 10cm).
5312 C 2332	-Entrance channel, N. side range, common front.	55° 52.0' N 12° 49.0' E	Oc.W.R.G. period 4s	21 6	W. 11 R. 9 G. 7	White and red hut on dolphin, white triangular daymark point up, orange border.	G. 096°30'-122°12', W.-125°48', R.-096°30'. Shown by day Nov. 1 to Mar. 31.
5316 C 2332.1	--Rear, 450 meters 094° from common front.	55° 52.0' N 12° 49.4' E	Oc.R. period 4s	46 14	10	Building, red diamond daymark.	Visible 084°-104°. Synchronized with common front. Shown by day Nov. 1 to Mar. 31.
5317 C 2331.9	--Graen, rear, 380 meters 125° from common front.	55° 51.9' N 12° 49.2' E	Oc.W. period 4s	33 10	13	Gray column, white triangular daymark point down, orange border.	Visible 120°-130°. Synchronized with common front. Shown by day Nov. 1 to Mar. 31.
5318	-Lous Flak Light Buoy.	55° 48.8' N 12° 42.7' E	L.FI.W. period 10s			SAFE WATER RW, pillar.	
	-RACON		G(- - •) period 60s				(3 & 10cm).
5320 C 2336	Pinhattan.	55° 45.2' N 12° 51.9' E	L.FI.W.R.G. period 8s fl. 2s, ec. 6s	41 12	W. 14 R. 11 G. 10	Orange tower, black top, white lantern; 43. Floodlit.	G. 313°48'-336°, W.-338°06', R.-000°24', G.-078°, W.-083°06', R.-096°36', G.-130°54', W.-140°36', R.-175°54', G.-254°54', R.-313°48'. Shown by day Nov. 1 to Mar. 31.
	RACON		T(-)		13		(3 & 10cm).
BARSEBACKSHAMN:							
5324 C 2338	-Head of N. mole, front.	55° 45.4' N 12° 54.1' E	Iso.R.G. period 4s	17 5	R. 6 G. 5	White pedestal, black stripe.	G. 031°30'-070°, R.-031°30'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-THE SOUND							
5328 C 2338.1	--Rear, 250 meters 088° from front.	55° 45.4' N 12° 54.3' E	F.R.	33 10	4	Tower, white triangular daymark point down.	Visible on range line only.
5332 C 2340	-Barsebackverket, entrance range, front.	55° 44.6' N 12° 55.5' E	F.R.	20 6	9	Mast, orange triangular daymark point up.	Occasional.
5336 C 2340.1	--Rear, 340 meters 334° from front.	55° 44.8' N 12° 55.4' E	F.R.	39 12	9	Mast, orange triangular daymark point down.	Occasional.
5340 C 2346	-Vikhog, harbor mole, head.	55° 43.6' N 12° 57.5' E	F.W.R.G.	14 4	W. 7 R. 5 G. 4	White lantern.	G. 260°-003°, W.-057°, R.-185°. Fishing light.
5344 C 2348	-Lomma, N. pier, head.	55° 40.6' N 13° 03.3' E	Fl.W.R.G. period 3s	26 8	W. 6 R. 4 G. 3	Red mast, white lantern; 16.	G. 305°-050°, W.-095°, R.-119°, G.-185°.
5348 C 2388	-Malmo Oljehamn range, front.	55° 38.1' N 13° 01.4' E	Oc.W. period 6s	72 22	13	Gray framework tower, orange triangular daymark point up.	Synchronized with front shoulder lights. Oc.G. 6s, Q.G. mark starboard side of channel and Oc.R. 6s, Q.R. mark port side of channel. Shown by day Nov. 1 to Mar. 31.
5352 C 2388.1	--Rear, 610 meters 132°12' from front.	55° 37.9' N 13° 01.9' E	Oc.W. period 6s	115 35	13	Gray framework tower, orange triangular daymark point down.	Synchronized with rear shoulder lights.
MALMO HAMN:							
Navigation lights may be marked by shore lights in this area.							
5360 C 2360	-W. Hulkajen, front.	55° 37.0' N 12° 59.7' E	Oc.W. period 5s	43 13	18	White tower, red triangular daymark point up; 33.	Synchronized with 5368 and 5384.
5364 C 2360.1	--Rear, 430 meters 142°30' from front.	55° 36.8' N 12° 59.9' E	Q.W.	66 20	18	White framework tower, red triangular daymark point down; 49.	
5368 C 2361	--E. side, MA Range, front.	55° 37.1' N 12° 59.7' E	Oc.R. period 5s	30 9	14	White metal framework tower, white diamond daymark, orange border; 30.	Visible on range line only. Synchronized with 5360 and 5384.
5372 C 2361.1	---Rear, 130 meters 142°30' from front.	55° 37.0' N 12° 59.8' E	Q.R.	39 12	14	White metal framework tower, white diamond daymark, orange border; 39.	Visible on range line only.
5376 C 2368	-Malmo Vagbrytarbank, NE. corner.	55° 37.5' N 12° 58.6' E	Iso.W.R.G. period 10s	36 11	W. 13 R. 10 G. 7	White tower; 39. Floodlit.	W. 054°30'-056°30', R.-067°, G.-077°30', W.-090°, R.-129°, G.-136°30', W.-151°, R.-206°, G.-223°, G. (unintensified)-276°06', W. (unintensified)-285°30', R. (unintensified)-329°, G. (unintensified)-041°30'. Shown by day Nov. 1 to Mar. 31.
5380 C 2364	-MA 7, pier head 50 meters W. of ship channel.	55° 37.3' N 12° 59.1' E	Oc.W.R.G. period 3s	24 7	W. 7 R. 5 G. 4	White framework tower. Floodlit.	G. 147°-174°, W.-226°30', R.-244°42', G.-294°12', W.-299°48', R.-009°.
5384 C 2365	-MA Range, front, east dock corner.	55° 37.1' N 12° 59.3' E	Oc.G. period 5s	26 8	14	Mast, green triangular daymark point up; 98.	Synchronized with 5360 and 5368.
5384.1 C 2365.1	--Rear, 106 meters 143°30' from front.	55° 37.1' N 12° 59.4' E	Q.G.	52 16	14	Green triangular daymark point down.	
-Free Harbor:							
5396 C 2374	--Range, front.	55° 36.9' N 13° 00.4' E	Iso.W. period 4s	80 24	15	Roof of house, orange triangular daymark point up.	
5400 C 2374.1	---Rear, 350 meters 117° from front.	55° 36.8' N 13° 00.7' E	Q.W.	105 32	14	White metal framework tower, orange diamond daymark; 98.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-THE SOUND							
5404 C 2372	--FH 4, N. side of entrance.	55° 37.1' N 12° 59.8' E	Q.R.	13 4	5	White pedestal. Floodlit.	Visible 275°30'-115°30'.
5408 C 2370	--FH 3 pier, head.	55° 37.1' N 12° 59.8' E	Q.G.	22 7	4	White pedestal. Floodlit.	Visible 116°-300°.
-Commercial Harbor:							
5412 C 2378	--Entrance range, front.	55° 37.5' N 13° 01.2' E	Oc.W. period 3s lt. 2.5s, ec. 0.5s	40 12	12	White metal framework tower, orange diamond daymark.	
5416 C 2378.1	--Rear, 200 meters 082°30' from front.	55° 37.6' N 13° 01.4' E	Oc.W. period 3s	65 20	12	White metal framework tower, orange diamond daymark.	Synchronized with front.
5420 C 2384	--Industrihamnen.	55° 37.4' N 13° 01.8' E	Oc.W.R.G. period 3s	79 24	W. 9 R. 6 G. 5	White metal framework tower, red bands; 164.	G. 084°-103°, W.-108°, R.- 140°.
5424 C 2380	--No 11 mole, head.	55° 37.5' N 13° 01.2' E	Q.R.	20 6	4	White pedestal, lantern.	
5428 C 2382	--No 10 mole, head.	55° 37.5' N 13° 01.1' E	Q.G.	20 6	3	White pedestal, lantern.	
5432 C 2357	-Turbinhamnen Norra.	55° 36.6' N 12° 58.3' E	Oc.W.R.G. period 4s	20 6	W. 5 R. 4 G. 3	White tower, green band, base.	G. 003°-113°, W.-122°, R.- 175°.
5433 C 2357.2	--Sodra.	55° 36.6' N 12° 58.3' E	F.G.				
5460 C 2398	-Sodra Range, front.	55° 35.2' N 12° 55.2' E	F.R.	26 8	9	White framework tower, red triangular daymark point up, black border.	Visible on range line only.
5464 C 2398.1	--Rear, 150 meters 097° from front.	55° 35.1' N 12° 55.4' E	F.R.	37 11	9	Gray framework tower, red triangular daymark point down, black bands.	Visible on range line only.
5480 C 2352.5	Flintrannan , NE. entrance to channel.	55° 36.8' N 12° 53.4' E	Oc.(2)W.R.G. period 8s	39 12	W. 16 R. 12 G. 8	White tower, red band. Floodlit.	G. 146°-217°, W.-274°, R.- 146°. Channel marked by lighted beacons.
	RACON		C(- • - •)		14		(3 & 10cm).
5482 C 2349.31	-Oresund Bridge NW. Range, front.	55° 34.5' N 12° 49.6' E	Iso.W. period 4s	226 69	9	Post.	Shown 24 hours.
	-RACON		T(-)		24		(3 & 10cm).
5482.1 C 2349.32	--Rear, 28 meters 221° from front.	55° 34.5' N 12° 49.5' E	Iso.W. period 4s	253 77	9		Shown 24 hours.
5483 C 2349.33	--NE. Range, front.	55° 34.5' N 12° 49.7' E	Iso.R. period 4s	230 70	9	Post.	Shown 24 hours.
5483.1 C 2349.34	--Rear, 28 meters 221° from front.	55° 34.5' N 12° 49.7' E	Iso.R. period 4s	256 78	9		Shown 24 hours.
5485 C 2349.26	-Flintrannan, No. 16.	55° 33.7' N 12° 48.6' E	Iso.R. period 4s	39 12	8	White tower, red stripe. Floodlit.	
5486 C 2349.28	--No. 18.	55° 32.9' N 12° 47.4' E	Iso.R. period 4s	39 12	8	White tower, red stripe. Floodlit.	
5490 C 2349.03	Trindelspannet, center.	55° 34.2' N 12° 50.9' E	Fl.W. period 3s		9		On N. and S. sides.
5490.1 C 2349.02	-E. Pier.	55° 34.2' N 12° 51.0' E	Fl.(2)R. period 4s	39 12	7		On N. and S. sides.
5490.2 C 2349.04	-W. Pier.	55° 34.2' N 12° 50.9' E	Fl.G. period 2s	39 12	7		On N. and S. sides.
5491 C 2351.5	-Flintrannan, No. 4.	55° 36.0' N 12° 52.1' E	Iso.R. period 4s	39 12	8	White tower, red band. Floodlit.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-THE SOUND							
5492 C 2349.17	-Flintrannan, No 7.	55° 35.4' N 12° 50.7' E	Iso.G. period 4s	41 12	8	White structure, green stripe. Floodlit.	
5493 C 2350.5	--No. 6.	55° 35.2' N 12° 51.0' E	Iso.R. period 4s	36 11	8	White tower, red band. Floodlit.	
5494 C 2349.5	--SW. entrance to channel.	55° 31.1' N 12° 44.7' E	Oc.(2)W.R.G. period 8s	36 11	W. 16 R. 13 G. 11	White tower, red band. Floodlit.	W. 014°-129°, R.-337°, G.- 014°.
	-RACON		C(- • - •)		14		(3 & 10cm).
5495 C 2350	Sodrra Lillgrund.	55° 30.0' N 12° 45.9' E	Fl.Y. period 3s fl. 0.3s, ec. 2.7s	33 10	5	Mast; 213.	
			F.R.	207 63	2		
5496 C 2408	Hollviken, channel, W. side.	55° 30.7' N 12° 50.9' E	Fl.(2)W.R.G. period 6s	30 9	W. 8 R. 6 G. 4	Green tower, white top, white lantern; 34. Floodlit.	G. 012°30'-017°, W.-019°, R.- 057°, G.-064°06', W.- 069°06', R.-132°, G.- 145°, W.-149°, R.-163°, G.-174°, W.-177°42', R.- 193°, G.-325°, W.- 334°30', R.-012°30'. Reserve light. Radar reflector.
	RACON		N(- •)		12		(3 & 10cm).
5504 C 2403	-Range, front.	55° 31.4' N 12° 53.7' E	Q.R.	30 9	2	Metal framework tower, orange triangular daymark point up.	
5508 C 2403.1	--Rear, 120 meters 076° from front.	55° 31.4' N 12° 53.8' E	Iso.R. period 4s	52 16	2	Metal framework tower, orange triangular daymark point down.	
5512 C 2405	Klagshamnverket Range, front.	55° 31.5' N 12° 54.2' E	F.G.	26 8	8	Column, white triangular daymark point up, red border.	Marks sewer outfall.
5516 C 2405.1	-Rear, 300 meters 110° from front.	55° 31.5' N 12° 54.5' E	F.G.	46 14	8	Building, white triangular daymark point down, red border.	
5517 C 2406	Sydgas Range, front.	55° 31.2' N 12° 53.5' E	Iso.Y. period 4s	46 14	10	Gray framework mast, yellow diamond daymark.	
5517.1 C 2406.1	-Rear, 471 meters 093° from front.	55° 31.2' N 12° 53.9' E	Q.Y.	68 21	10	Gray framework mast, yellow diamond daymark.	
5518 C 2405.55	-N. Breakwater.	55° 31.4' N 12° 53.4' E	F.R.	11 4	4		
5518.1 C 2405.56	-S. Breakwater.	55° 31.3' N 12° 53.4' E	F.G.	11 4	4		
FALSTERBOKANALEN:							
5520 C 2410	-Hollrevet, W. side of channel.	55° 26.9' N 12° 54.1' E	Q.W.	19 6	7	White tower, green bands; 20.	In line 155° with lights 5524 and 5528, marks W. limit of channel.
5524 C 2412.2	-No 6, head of W. pier.	55° 24.9' N 12° 55.8' E	Q.W.	19 6	14	White pedestal, black diamond daymark, yellow rectangular daymark. Floodlit.	Visible on range 155° only.
5526 C 2412	-No 5, head of E. pier.	55° 24.9' N 12° 55.8' E	Q.W.	19 6	14	White pedestal, black diamond daymark, yellow rectangular daymark. Floodlit.	Visible on range line only. In line 155° with 5530, marks E. limit of channel.
5528 C 2412.6	-No 4.	55° 24.1' N 12° 56.5' E	Iso.W. period 2s	79 24	13	Black framework tower; 69.	Visible on range 155° and 330° only. Synchronized with 5524.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-THE SOUND							
5530 C 2412.4	-No 3.	55° 24.1' N 12° 56.6' E	Iso.W. period 2s	79 24	14	Black framework tower; 69.	Visible on range 155° only. Synchronized with 5526.
5532 C 2413	-No 2, head of W. pier.	55° 23.6' N 12° 56.9' E	Fl.G. period 3s	19 6	2	White pedestal, lantern.	
5536 C 2412.8	-No 1, E. pier, head.	55° 23.6' N 12° 57.0' E	Oc.W.R.G. period 10s	22 7	W. 13 W. 6 R. 10 G. 9	White lantern.	R. 225°-303°, G.-328°, W.- 333°, R.-005°, W. (unintensified)-065°, R. (unintensified)-175°. In line 330° with 5528. Shown Nov. 1 to Mar. 31.
5540 C 2414	Skonor, head of mole.	55° 25.0' N 12° 49.7' E	L.Fl.(2)R.G. period 10s fl. 2s, ec. 2s fl. 2s, ec. 4s	23 7	R. 10 G. 9	White tower; 20.	G. 030°-063°, R.-130°, G.- 171°, R.-223.
5544 C 2414.3	-Range, front, on N. jetty.	55° 25.2' N 12° 49.7' E	F.R.	16 5		Post, red triangular daymark point up.	
5548 C 2414.31	--Rear, 35 meters 120° from front, NE. corner of harbor basin.	55° 25.2' N 12° 49.7' E	F.R.	20 6		Post, red triangular daymark point down.	
5552 C 2414.4	-Inlopp, head of pier.	55° 25.2' N 12° 49.7' E	F.G.	13 4		Framework tower. Floodlit.	
5556 C 2416	Falsterbo, near extremity of point.	55° 23.0' N 12° 49.0' E	Oc.W. period 5s	75 23	10	Yellowish gray round tower, black band, square base; 82.	V.Q.R. light shown on radar mast 1.6 miles ENE. during firing practice.
5560 C 2417	Falsterborev.	55° 18.5' N 12° 39.4' E	Fl.(4)W.R. period 12s	95 29	W. 14 R. 12	Orange tower, black bands; 98.	W. 287°24'-190°, R.-287°24'. LED.
	RACON		M(- -)		16		(3 & 10cm).
5564	<i>Blenheim Buoy.</i>	55° 16.7' N 12° 52.8' E	Q.(6)+L.Fl.W. period 15s			S. CARDINAL YB, pillar, topmark.	
	RACON		B(- • • •)		14		(3 & 10cm).
5568 C 2420	Skarelage, head of outer W. mole.	55° 22.5' N 13° 03.2' E	Q.W.R.G.	24 7	W. 6 R. 4 G. 4	White framework tower, red square daymark.	G. 275°-343°, W.-002°, R.- 125°.
TRELLEBORG (TRALLEBORG):							
5572	-Trelleborg RACON.	55° 21.4' N 13° 09.0' E	T(-)				(3 & 10cm).
5576 C 2425	-E. breakwater, head.	55° 22.0' N 13° 09.0' E	Fl.(2)G. period 6s	26 8	6	Framework tower.	
5580 C 2425.1	-W. breakwater, head.	55° 22.0' N 13° 09.0' E	Fl.R. period 3s	26 8	6	Framework tower.	
5584 C 2428	-E. Range, front.	55° 22.2' N 13° 09.3' E	Oc.Y. period 4s	39 12	14	White metal tower, black band, white triangular daymark point up. Floodlit.	Visible on range line only.
5588 C 2428.1	--Rear, 540 meters 013°54' from front.	55° 22.3' N 13° 09.3' E	Oc.Y. period 4s	71 22	14	Red and white framework tower, white triangular daymark point down. Floodlit.	
5599 C 2436	-Head of E. pier, front.	55° 21.0' N 13° 14.0' E	F.R.	13 4	7	Framework tower, white triangular daymark point up, red border. Floodlit.	
5599.1 C 2436.1	--Rear, 201 meters 022°30' from front.	55° 21.4' N 13° 14.0' E	F.R.	36 11	7	Framework tower, white triangular daymark point down, red border.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-THE SOUND							
5604 C 2445	Kullagrund.	55° 17.9' N 13° 19.3' E	Iso.W.R.G. period 4s	60 18	W. 8 R. 6 G. 5	Red tower, black band, balcony, gray base, white lantern; 66. Floodlit.	R. 181°-244°, G.-270°54', W.- 105°06', R.-120°, G.- 181°.
	RACON		K(- • -)			14	(3 & 10cm).
5606 C 2439	Smygehuk.	55° 20.3' N 13° 21.1' E	Fl.(1+2)W. period 20s fl. 0.7s, ec. 8.2s fl. 0.7s, ec. 1.5s fl. 0.7s, ec. 8.2s	62 19	8	White round tower; 56.	Visible 262°-095°.
5608 C 2440	Smygehamn Ostra Torp Range, front.	55° 20.0' N 13° 22.0' E	F.R.	23 7	5	White framework structure, red triangular daymark point up.	Fishing light. Shown Aug. 1 to Jun. 1.
5612 C 2440.1	-Rear, 100 meters 003° from front.	55° 20.4' N 13° 21.6' E	F.R.	32 10	5	White framework structure, red triangular daymark point down.	Shown Aug. 1 to Jun. 1. Fishing light.
5616 C 2448	Abbekas, head of N. pier, front.	55° 23.0' N 13° 36.0' E	F.R.	26 8	2	Pillar, red triangular daymark point up.	
5620 C 2448.1	-Rear, 85 meters 297° from front.	55° 23.7' N 13° 36.4' E	F.R.	33 10	2	Pillar, red triangular daymark point down.	
	YSTAD:						
5624 C 2450	-Range, front.	55° 25.5' N 13° 49.7' E	Iso.W. period 4s	102 31	15	Tower, orange triangular daymark point up.	
5628 C 2450.1	--Rear, 250 meters 036° from front.	55° 25.6' N 13° 49.8' E	Iso.W. period 4s	121 37	15	Tower, orange triangular daymark point down.	
5632 C 2450.5	-Outer E. breakwater, head.	55° 25.0' N 13° 49.0' E	Fl.(2)G. period 6s	26 8	7	White lantern. Floodlit.	
5636 C 2450.4	-Outer W. detached breakwater, S. head.	55° 25.1' N 13° 49.1' E	Fl.R. period 3s	26 8	9	White hut.	
5640	Obstruction light.	55° 26.5' N 13° 58.1' E	V.Q.W.	131 40	21	Mast.	Occasional.
5644 C 2458	Kaseberga Hamn, N. breakwater, head.	55° 23.1' N 14° 03.9' E	Q.W.R.G.	23 7	W. 5 R. 3 G. 2	Red metal framework tower.	R. 276°24'-288°18', G.- 301°48', W.-033°18', R.- 063°36'.
5648 C 2460	Sandhamnaren , SE. point of Sweden.	55° 23.2' N 14° 11.6' E	Fl.W. period 5s	101 31	22	Red metal tower, framework base; 95.	Visible 224°06'-053°42'.
DENMARK-BORNHOLM							
5656 C 2504	Hammershavnen, E. of harbor.	55° 16.7' N 14° 45.5' E	Iso.W.R.G. period 2s	39 12		White wooden hut; 10.	G. 064°-073°, W.-077°, R.- 086°.
5660 C 2505	-N. mole.	55° 17.0' N 14° 45.0' E	F.R.	22 7		Framework tower.	
5664 C 2503	-Head of N. mole, front.	55° 14.9' N 14° 44.2' E	F.R.	13 4	5	White post; 7.	Visible 040°-270°.
5668 C 2503.1	-Rear, 56 meters 155° from front.	55° 14.9' N 14° 44.2' E	F.R.	27 8	5	Mast; 16.	Visible 040°-270°.
5680 C 2494	Hasle Havn Range, front.	55° 11.3' N 14° 42.3' E	Iso.W.R.G. period 4s	23 7	W. 6 R. 4 G. 4	Framework tower, red triangular daymark point up, white band; 16.	G. 085°-093°, W.-101°, R.- 109°.
5684 C 2494.1	-Rear, 120 meters 097° from front.	55° 11.4' N 14° 42.3' E	Iso.W. period 4s	36 11	7	Framework tower, red triangular daymark point down, white band; 20.	Visible 007°-187°. Synchronized with front.
5692 C 2495	-W. mole, head.	55° 11.4' N 14° 42.0' E	Fl.G. period 3s fl. 0.8s, ec. 2.2s	20 6	3	Framework tower, green base; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-BORNHOLM							
5693 C 2496	-N. mole, head.	55° 11.4' N 14° 42.1' E	Fl.R. period 3s fl. 0.8s, ec. 2.2s	20 6	3	Gray mast, red base; 16. Floodlit.	
RONNE HAVN:							
5700 C 2486	-S. breakwater, W. head.	55° 05.7' N 14° 41.3' E	F.G.	30 9	6	Green square tower; 30. Floodlit.	Shown on request.
5704 C 2488	-Trindelen Breakwater, S. head.	55° 05.8' N 14° 41.2' E	F.R.	26 8	6	Red concrete column; 10. Floodlit.	Visible 185°-095°. Shown on request.
5705 C 2489	--Inner mole, head.	55° 05.9' N 14° 41.6' E	F.R.	36 11	5	Gray round granite tower; 30.	
5706 C 2484	-Shelter mole, head.	55° 05.6' N 14° 40.9' E	Fl.G. period 3s fl. 0.8s, ec. 2.2s	36 11	8	Green tower; 16. Floodlit.	Shown on request.
5707 C 2484.2	-N. Shelter mole, head.	55° 05.7' N 14° 40.9' E	Fl.R. period 3s fl. 0.8s, ec. 2.2s	36 11	7	Red tower; 16. Floodlit.	Shown on request.
5716.5 C 2483	-Range, front.	55° 05.9' N 14° 41.8' E	Iso.W. period 2s	52 16	9	Framework tower; 46.	Visible 048°-081°. Range 2M by day, visible 062°-067°.
5716.51 C 2483.1	--Rear, 229 meters 064°30' from front.	55° 06.0' N 14° 42.0' E	Iso.W. period 4s	79 24	9	Red mast; 39.	Visible 048°-081°. Range 2M by day, visible 062°-067°.
5717	-Sector.	55° 06.5' N 14° 42.1' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	16 5	W. 6 R. 4 G. 4	White hut, two red bands; 10.	G. 045°-090°, W.-105°, R.- 180°.
5724 C 2555.5	Ronne AVIATION LIGHT.	55° 04.2' N 14° 45.0' E	Fl.W. period 3s	128 39		Yellow control tower; 79.	Occasional.
5732 C 2550	Dueodde.	54° 59.5' N 15° 04.5' E	Fl.(3)W. period 10s fl. 0.5s, ec. 1.3s fl. 0.5s, ec. 1.3s fl. 0.4s, ec. 6s	157 48	20	White hexagonal tower; 154.	
5736 C 2548	Snogebaek Havn, S. head of W. mole, front.	55° 01.6' N 15° 07.4' E	F.R.	20 6	1	Gray mast; 13.	Visible 258°12'-018°12'.
5740 C 2548.1	-Rear, 49 meters 318°12' from front.	55° 01.6' N 15° 07.3' E	F.R.	20 6	1	Gray mast; 13.	Visible 258°12'-018°12'.
NEKSO HAVN:							
5744 C 2542	-S. breakwater, head.	55° 04.0' N 15° 08.0' E	F.R.	33 10		Red tripod; 20.	
5748 C 2541	-Detached breakwater, head.	55° 03.9' N 15° 08.5' E	Fl.R. period 3s	39 12		Red framework tower; 30.	
5752 C 2546	-Near entrance to S. boat harbor, front.	55° 04.0' N 15° 08.0' E	F.G.	30 9		Green framework tower; 26.	Visible 130°-350°.
5756 C 2546.1	--Rear, 100 meters 232° from front.	55° 03.7' N 15° 08.1' E	F.G.	39 12		Building.	Visible 130°-350°.
5760 C 2540	Aarsdale Havn, front.	55° 02.0' N 15° 07.0' E	F.R.	26 8		Mast, white triangular daymark point up.	Occasional.
5764 C 2540.1	-Rear, 40 meters 248°30' from front.	55° 06.5' N 15° 08.6' E	F.R.	51 16		Mast, white triangular daymark point down; 16.	Occasional.
SVANEKE:							
5772 C 2534	-Breakwater, head.	55° 08.2' N 15° 09.9' E	Fl.G. period 3s	30 9		Green framework mast; 23.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-BORNHOLM							
5776 C 2532	Svaneke..	55° 08.1' N 15° 08.8' E	Iso.W.R.G. period 4s	20 6	5	Green house; 13.	G. 213°-218°, W.-222°, R.-227°.
5792 C 2527	-Range, front.	55° 08.8' N 15° 06.6' E	F.R.	30 9	4	Framework tower, red triangular daymark point up; 26.	Visible 131°36'-271°36'. Shown when vessel are expected.
5796 C 2527.1	--Rear, 25 meters 201°36' from front.	55° 08.8' N 15° 06.7' E	F.R.	36 11	4	Framework tower, red triangular daymark point down; 31.	Visible 131°36'-271°36'. Shown when vessel are expected.
GUDHJEM:							
5808 C 2522	-Near harbor entrance, front.	55° 13.0' N 14° 58.0' E	F.R.	39 12	2	Mast, red triangular daymark point up.	Occasional.
5812 C 2522.1	--Rear, 50 meters 202° from front.	55° 12.8' N 14° 58.3' E	F.R.	65 20	2	Mast, red triangular daymark point down.	
TEJN HAVN:							
5824 C 2516	-NW. of rear range.	55° 15.0' N 14° 50.0' E	Fl.R. period 3s fl. 0.8s, ec. 2.2s	26 8	3	Red framework tower; 16. Floodlit.	
5826 C 2516.5	-Head of W. mole.	55° 15.0' N 14° 50.1' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	30 9	W. 7 R. 4 G. 4	Framework tower, building.	W. 160°-204°, R.-238°, G.-160°.
5828 C 2517	-Range, front.	55° 15.0' N 14° 50.0' E	Iso.G. period 2s	23 7	4	Metal framework tower, red rectangular daymark point up; 20.	Visible 134°24'-154°24'.
5832 C 2517.1	--Rear, 144°24' from front.	55° 14.9' N 14° 50.3' E	Iso.G. period 4s	33 10	4	Red framework tower, red rectangular daymark point down; 33.	Visible 134°24'-154°24'.
ALLINGE HAVN:							
5836 C 2512	-Head of S. mole.	55° 17.0' N 14° 48.0' E	3 F.R.	13 4	4	Gray framework tower; 10.	1 meter apart. Shown when harbor is closed.
5844 C 2508	Hammerodde , N. end of Hammeren.	55° 17.9' N 14° 46.5' E	Fl.(2)W. period 15s	69 21	17	White square tower; 39.	Visible 051°-300°, faintly visible elsewhere. DGPS Station.
CHRISTIANSO:							
5848 C 2556	-Largest tower of fort.	55° 19.2' N 15° 11.2' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	95 29	18	White tower, fort; 52.	Obscured when bearing 324°. Experimental lamp showing yellowish-white.
5852 C 2557	-Caution light, 110 meters 181° from Christianso.	55° 19.0' N 15° 11.0' E	3 F.R. (vert.)	23 7	3	Shed.	Occasional.
5856 C 2558	-Frederiksholm, W. side of harbor.	55° 19.0' N 15° 11.0' E	Iso.W.R.G. period 4s	23 7	W. 8 R. 5 G. 5	White house, red band; 10.	G. 172°-186°, W.-194°, R.-204°, G.-347°, W.-350°, R.-358°. Traffic signals.
5860 C 2562	-Tat.	55° 19.8' N 15° 10.5' E	Fl.(2)W. period 10s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 7.2s	23 7	8	White tower, red band; 7.	

Section 5

Germany, Poland, Russia and South Coast of Sweden

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GERMANY-BALTIC SEA							
HIDDENSEE:							
5864 <i>C 2588</i>	-Der Dornbusch.	54° 35.9' N 13° 07.2' E	Fl.W.R. period 10s fl. 0.8s, ec. 9.2s	312 95	W. 25 R. 20	White tower, red bands, gallery, red cupola; 92.	R. 023°-053°, W.-023°.
5866 <i>C 2589.6</i>	-Vitte Range, front.	54° 34.1' N 13° 06.5' E	Oc.R. period 4s lt. 3s, ec. 1s	26 8	4	White mast, red band, pedestal; 23.	
5867 <i>C 2589.61</i>	--Rear, 150 meters 289°30' from front.	54° 34.1' N 13° 06.3' E	Oc.R. period 4s lt. 3s, ec. 1s	39 12	4	White mast, red band, pedestal; 39.	
5868 <i>C 2586</i>	-Gellen.	54° 30.5' N 13° 04.5' E	Oc.(2)W.R.G. period 10s lt. 2s, ec. 1s lt. 6s, ec. 1s	32 10	W. 15 R. 11 G. 10	White tower, red gallery, lantern; 39.	R. 013°-074°, W.-106°, R.- 169°, W.-184°, R.-219°, G.-238°, W.-013°. F.R. (occasional) range lights, mark entrance to Neuendorf Plogshagen.
STRALSUND APPROACH:							
5872 <i>C 2575.9</i>	-Bock Range, front, 700 meters 142°06' from rear.	54° 26.9' N 13° 02.0' E	Oc.W. period 6s lt. 5s, ec. 1s	39 12	8	White framework tower, gray base; 43.	
5876 <i>C 2576</i>	-Zarrenzin.	54° 26.9' N 13° 01.5' E	Oc.W. period 6s lt. 5s, ec. 1s	74 23	12	White framework tower, red gallery, gray base, lantern; 75.	Synchronized with 5872.
			Oc.W. period 6s lt. 5s, ec. 1s		10		Synchronized with 5880.
5880 <i>C 2576.1</i>	--Rear, 2.4 km. 195°06' from Zarrenzin.	54° 25.6' N 13° 00.9' E	Oc.W. period 6s lt. 5s, ec. 1s	171 52	15	White framework tower, red gallery, white roof, lantern; 79.	Visible on range line only. Synchronized with 5876.
5884 <i>C 2583</i>	-Bootshaten Range, front.	54° 26.0' N 13° 02.0' E	Oc.R. period 6s lt. 5s, ec. 1s	23 7	1	White mast; 20.	
5888 <i>C 2583.1</i>	--Rear, 37 meters 228°48' from front.	54° 25.8' N 13° 01.6' E	Oc.R. period 6s lt. 5s, ec. 1s	33 10	1	White mast; 23.	
5892 <i>C 2585</i>	-Range, near Bessiner Haken, front.	54° 22.0' N 13° 08.0' E	Oc.W. period 6s lt. 5s, ec. 1s	39 12	12	White framework tower, red bands; 36.	
5896 <i>C 2585.1</i>	--Rear, 2.4 km. 142°06' from front.	54° 21.3' N 13° 09.3' E	Oc.W. period 6s lt. 5s, ec. 1s	102 31	14	White framework tower, red bands; 59.	Synchronized with front.
5900 <i>C 2592</i>	Arkona.	54° 40.8' N 13° 25.9' E	Fl.(3)W. period 17s fl. 0.2s, ec. 4.1s fl. 0.2s, ec. 4.1s fl. 0.2s, ec. 8.2s	246 75	22	Yellow tower, two galleries, red lantern; 115.	
5912 <i>C 2596</i>	Kollicker Ort.	54° 33.7' N 13° 40.7' E	Fl.W.R. period 6s fl. 1.5s, ec. 4.5s	98 30	W. 10 R. 7	White tower, red gallery, pointed roof; 23.	W. 166°-340°, R.-356°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GERMANY-BALTIC SEA							
SASSNITZ:							
5916 C 2602	-E. mole, head.	54° 30.4' N 13° 38.2' E	Oc.W.R.G. period 6s lt. 5s, ec. 1s	49 15	W. 12 R. 8 G. 8	Green octagonal tower, white band, gallery; 40.	W. 357°48'-224°48', R.-245°, W.-283°24', G.-357°48'.
5920 C 2604	-W. mole, head.	54° 30.5' N 13° 38.2' E	F.R.	36 11	9	Red tower, red base, twelve-sided lantern.	3 F.R. lights on radio mast on the Leuzberg 0.7 mile NNW.
	-Entrance Range, front.		Oc.(2)R. period 10s lt. 2s, ec. 1s lt. 6s, ec. 1s	33 10	3		Leads into port until abeam E. mole light.
5928 C 2604.1	--Rear, on quay 320 meters 007°30' from front.	54° 30.7' N 13° 38.2' E	Oc.(2)R. period 10s lt. 2s, ec. 1s lt. 6s, ec. 1s	46 14	9	Gray framework tower; 46.	Synchronized with front.
5938.7 C 2614	-N. mole.	54° 28.6' N 13° 35.8' E	Iso.G. period 4s	52 16	10	Green tower, white bands, brown roof, green lantern; 46.	
STRALSUND APPROACH:							
5940 C 2662	-Griefswalder Oie.	54° 14.9' N 13° 55.4' E	Fl.W. period 3.8s	157 48	26	Red octagonal tower, two galleries, gray lantern; 128.	
5942 C 2618	-Sellin.	54° 23.1' N 13° 42.1' E	Fl.Y. period 4s		5	Post, silver dome, umbrella-shaped top, tourist diving gondola.	N. side of pier.
5944 C 2656.6	-Ruden, N.	54° 12.3' N 13° 46.2' E	Dir.W.R.G. period 6s fl. 5s, ec. 1s	82 25	W. 7 R. 4 G. 4	White mast, red lantern; 75.	Oc.R. 085°-089°30', Oc.W.-090°30', Oc.G.-095°.
5948 C 2657	--E. mole.	54° 12.2' N 13° 46.4' E	F.G.	19 6	2	Green mast, platform; 13.	
5956 C 2657.9	-Ruden Range, front.	54° 11.8' N 13° 46.4' E	Oc.W. period 6s lt. 5s, ec. 1s	26 8	3	Gray round tower, gallery.	
5960 C 2658.1	--Rear, 239°30' from front.	54° 11.7' N 13° 45.9' E	Oc.W. period 6s lt. 5s, ec. 1s	52 16	3	White and red mast.	Synchronized with front.
5968 C 2659	-Peenemunde (Guide light).	54° 11.1' N 13° 46.5' E	Oc.W.R.G. period 6s lt. 5s, ec. 1s	39 12	W. 9 R. 6 G. 5	White round tower, red band, gallery, lantern; 36.	G. 190°-193°, W.-202°, R.-208°, R. 094°-096°, W.-098°, G.-101°.
5969 C 2659.13	--Penemunde. S.	54° 08.1' N 13° 46.1' E	Dir.W.R.G. period 6s fl. 5s, ec. 1s	39 12	W. 10 R. 9 G. 9	Red mast, white bands, red hexagonal lantern.	Oc.R.345°48'-348°18', Oc.W.-349°18', Oc.G.-351°48'.
5970 C 2659.2	--Wave farm.	54° 08.9' N 13° 51.3' E	Fl.Y. period 4s				
5973 C 2659.77	-Hohendorf, S. Range, front.	54° 01.2' N 13° 45.1' E	Oc.(2)R. period 10s lt. 2s, ec. 1s lt. 6s, ec. 1s	33 10	6	White framework tower; 26.	
5973.1 C 2659.78	--Rear, 1014 meters 286°30' from front.	54° 01.3' N 13° 44.2' E	Oc.(2)R. period 10s lt. 2s, ec. 1s lt. 6s, ec. 1s	79 24	8	White framework tower; 26.	Synchronized with front.
5976 C 2652	-Vilm.	54° 20.0' N 13° 33.0' E	Oc.W.R.G. period 4s lt. 3s, ec. 1s	75 23	W. 7 R. 4 G. 4	White column, red lantern; 10.	G. 308°-312°, W.-316°, R.-320°.
5988 C 2652.4	-Lauterbach.	54° 20.0' N 13° 30.0' E	Oc.W.R.G. period 6s lt. 5s, ec. 1s	19 6	W. 6 R. 4 G. 3	White framework tower.	G. 020°30'-024°, W.-029°, R.-031°30'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GERMANY-BALTIC SEA							
5992 C 2652.7	--Range, front.	54° 21.0' N 13° 30.0' E	Oc.(2)R. period 10s lt. 2s, ec. 1s lt. 6s, ec. 1s	33 10		White framework tower, white triangular daymark point up, red border; 23.	
5996 C 2652.71	--Rear, 100 meters 313°24' from front.	54° 20.6' N 13° 30.0' E	Oc.(2)R. period 10s lt. 2s, ec. 1s lt. 6s, ec. 1s	42 13		White framework beacon, white triangular daymark point down, red border; 33.	
6004 C 2655.2	-Eldena.	54° 05.2' N 13° 27.6' E	Dir.W.R.G. period 10s fl. 2s, ec. 1s fl. 6s, ec. 1s	75 23	W. 11 R. 8 G. 7	Gray framework tower, white diamond topmark, red border; 62.	Oc.(2)G. 179°54'-182°42', Oc.(2)W.-183°06', Oc.(2)R.-185°54'.
6008 C 2654	-Wieck, N. mole, head.	54° 06.0' N 13° 28.0' E	Q.(3)G. period 6.5s	16 5	3	Green pile; 10.	
6012 C 2652.8	-Falkenhagen Range, front.	54° 12.0' N 13° 18.0' E	Oc.W. period 6s lt. 5s, ec. 1s	46 14	8	Gray framework tower; 39.	
6016 C 2652.81	--Rear, 2.1 km. 269°48' from front.	54° 12.3' N 13° 16.3' E	Oc.W. period 6s lt. 5s, ec. 1s	131 40	8	Gray framework; 95.	
6020 C 2626	-Maltzien Range, front.	54° 14.0' N 13° 21.0' E	Oc.W. period 6s lt. 5s, ec. 1s	39 12	7	White tower; 39.	
6024 C 2626.1	--Rear, 675 meters 314°12' from front.	54° 14.4' N 13° 20.9' E	Oc.W. period 6s lt. 5s, ec. 1s	95 29	8	White framework tower; 59.	
6028 C 2628	-Grabow Range, front.	54° 14.0' N 13° 23.0' E	Oc.(2)R. period 10s lt. 2s, ec. 1s lt. 6s, ec. 1s	39 12	7	Red framework tower, white bands; 36.	
6032 C 2628.1	--Rear, 450 meters 099°12' from front.	54° 13.7' N 13° 23.8' E	Oc.(2)R. period 10s lt. 2s, ec. 1s lt. 6s, ec. 1s	63 19	7	Red framework tower, white bands; 56.	
6056 C 2634	-Devin.	54° 16.2' N 13° 10.6' E	Dir.W.R.G. period 10s fl. 2s, ec. 1s fl. 6s, ec. 1s	59 18	W. 15 R. 11 G. 11	White framework tower, red bands; 30.	Oc.(2)G. 290°12'-293°06', Oc.(2)W.-293°18', Oc.(2)R.-296°12'.
6064 C 2638	-Drigge Range, front.	54° 17.0' N 13° 10.0' E	Oc.(2)G. period 10s lt. 2s, ec. 1s lt. 6s, ec. 1s	49 15	7	White framework tower, red bands; 46.	
6068 C 2638.1	--Rear, 540 meters 316°36' from front.	54° 17.7' N 13° 09.6' E	Oc.(2)G. period 10s lt. 2s, ec. 1s lt. 6s, ec. 1s		7	White framework tower, red bands; 75.	Synchronized with front.
6084 C 2644	-Andershof, Range, front.	54° 16.3' N 13° 07.4' E	Dir.W.R.G. period 6s fl. 5s, ec. 1s	72 22	W. 11 R. 7 G. 8	White framework tower, red bands, white triangular daymark point up, red border; 66.	Oc.R. 192°-194°48', Oc.W.- 195°12', Oc.G.-198°.
			Oc.R. period 6s		10		
6096 C 2644.1	--Rear, 472 meters 248°36' from front.	54° 16.2' N 13° 07.1' E	Oc.R. period 6s lt. 5s, ec. 1s	105 32	10	White iron framework structure, red bands, white triangular daymark point down, red border; 23.	
6100 C 2645.1	-Danholm.	54° 18.0' N 13° 07.0' E	Dir.W.R.G. period 6s	59 18	W. 11 R. 8 G. 8	Gray framework tower; 52.	Oc.G. 330°36'-333°12', Oc.W.-334°, Oc.R.- 336°36'.
6113 C 2651.2	-Stralsund N. mole.	54° 19.1' N 13° 05.9' E	Dir.W.R.G. period 6s fl. 5s, ec. 1s	46 14	W. 9 R. 8 G. 8	Black mast, white bands, spiral staircase; 39.	Oc.R. 320°48'-323°48', Oc.W.-324°48', Oc.G.- 327°48'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
POLAND-BALTIC SEA							
SWINOUJSCIE:							
6115 <i>C 2667.5</i>	-Approach channel, No 11, W. side.	54° 00.9' N 14° 14.9' E	Fl.G. period 2s fl. 0.5s, ec. 1.5s	43 13	12	Green tower, concrete base.	Synchronized with 6115.5.
6115.5 <i>C 2667.8</i>	--No 12, E. side.	54° 01.0' N 14° 15.2' E	Fl.R. period 2s fl. 0.5s, ec. 1.5s	43 13	12	Red tower, concrete base.	Synchronized with 6115.
6116 <i>C 2668</i>	-Pilot Tower.	53° 55.0' N 14° 17.1' E	Oc.W.R. period 5s lt. 4s, ec. 1s	213 65	W. 25 R. 9	Yellow round tower, red building.	R. 029°-057°, W.-280°.
6117 <i>C 2672.3</i>	-Zewnetrzny Entrance breakwater, head.	53° 55.9' N 14° 17.0' E	Oc.G. period 6s lt. 5s, ec. 1s	43 13	2	Green tower, gallery.	Visible 090°-000°.
6117.5 <i>C 2672.5</i>	-E. breakwater, head.	53° 56.2' N 14° 16.8' E	Oc.W.R. period 6s lt. 5s, ec. 1s	43 13	2	Red tower, gallery.	W. 146°42'-302°06', R.-146°42'.
6120 <i>C 2672</i>	-E. mole, head.	53° 55.9' N 14° 16.7' E	Fl.(2+1)R. period 10s fl. 0.5s, ec. 0.7s fl. 0.5s, ec. 2.1s fl. 0.5s, ec. 5.7s	42 13	10	Red tower, green band, gallery.	Reserve light Fl.R. 3s 6M. 6 F.Y. shown along mole.
6124 <i>C 2670</i>	-Mlyny Outer Range, front. W. mole, head.	53° 55.6' N 14° 16.6' E	Oc.Or. period 10s lt. 7.5s, ec. 2.5s	36 11	17	White beacon; 36.	Visible 166°12'-174°12'. AIS (MMSI No 992611250).
6128 <i>C 2670.1</i>	--Galeriowa Beacon, rear, 522 meters 170°12' from front.	53° 55.3' N 14° 16.7' E	Oc.Or. period 10s lt. 7.5s, ec. 2.5s	75 23	17	White round tower, white triangular daymark point down; 79.	Visible 166°12'-174°12'. Synchronized with front.
6134 <i>C 2674</i>	-Stocznioweg Basin.	54° 26.9' N 13° 01.5' E	Fl.(2)G. period 8s fl. 1s, ec. 1s fl. 1s, ec. 5s	13 4	2	Green mast, gallery.	
6134.2 <i>C 2673.5</i>	-Gornikow, N. end of quay.	53° 54.7' N 14° 16.7' E	Oc.(2)R. period 8s lt. 1s, ec. 1s lt. 5s, ec. 1s	20 6	2	Red mast, gallery.	
6134.4 <i>C 2673.7</i>	--S. end of quay.	53° 54.6' N 14° 16.5' E	Oc.(2)R. period 8s lt. 1s, ec. 1s lt. 5s, ec. 1s	20 6	2	Red mast, gallery.	
6135 <i>C 2675</i>	-CPN-2 quay.	53° 54.5' N 14° 16.4' E	Oc.R. period 4s lt. 3s, ec. 1s	20 6	2	Red post, dolphin.	
6135.5 <i>C 2678.34</i>	-Bosmanski Basin, pier head.	53° 54.3' N 14° 16.0' E	Oc.R. period 4s lt. 3s, ec. 1s	26 8	3	Red post.	
6135.6 <i>C 2678.4</i>	-Ferry landing, Berth 6, NE. corner.	53° 54.3' N 14° 15.8' E	Iso.R. period 2s	23 7	1	Red mast.	Synchronized with 6135.61, 6135.62, 6150, 6150.1 and 6150.2.
6135.61 <i>C 2678.45</i>	--Berth 5, NE. corner.	53° 54.3' N 14° 15.7' E	Iso.R. period 2s	23 7	1	Red mast.	Synchronized with 6135.6, 6135.62, 6150, 6150.1 and 6150.2.
6135.62 <i>C 2678.5</i>	---SW. corner.	53° 54.2' N 14° 15.6' E	Iso.R. period 2s	23 7	1	Red mast.	Synchronized with 6135.6, 6135.61, 6150, 6150.1 and 6150.2.
6136 <i>C 2678</i>	-Kosa, N. end of quay.	53° 54.4' N 14° 15.5' E	Oc.G. period 4s lt. 3s, ec. 1s	27 8	2	White tower, green cupola, gallery; 26.	
6140 <i>C 2678.75</i>	--S. point of quay.	53° 53.8' N 14° 15.0' E	Oc.G. period 4s lt. 3s, ec. 1s	22 7	2	Green tower, cupola, gallery.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
POLAND-BALTIC SEA							
6146 <i>C 2678.77</i>	-Oil Terminal, S. end.	53° 53.6' N 14° 15.1' E	Oc.(2)G. period 8s lt. 1s, ec. 1s lt. 5s, ec. 1s	23 7	4	Green post.	
6147 <i>C 2678.78</i>	-Mooring dolphin.	53° 53.7' N 14° 15.1' E	Iso.G. period 2s		4	Green post, mooring dolphin.	
6149 <i>C 2678.3</i>	-Eastern Ferry Station.	53° 54.4' N 14° 15.5' E	Oc.G. period 4s lt. 3s, ec. 1s	23 7	3	Green post.	Synchronized with 6149.1 and 6149.2.
6149.1 <i>C 2678.32</i>	-Middle Ferry Station.	53° 54.4' N 14° 15.4' E	Oc.G. period 4s lt. 3s, ec. 1s	23 7	3	Green post.	Synchronized with 6149 and 6149.2.
6149.2 <i>C 2678.33</i>	-Western Ferry Station.	53° 54.4' N 14° 15.4' E	Oc.G. period 4s lt. 3s, ec. 1s	23 7	2	Green post.	Synchronized with 6149 and 6149.1.
6150 <i>C 2678.55</i>	-Berth 4, NE corner.	53° 54.1' N 14° 15.5' E	Iso.R. period 2s	23 7	1	Red mast, gallery.	Synchronized with 6135.6, 6135.61, 6135.62, 6150.1 and 6150.2.
6150.1 <i>C 2678.6</i>	-Berth 3, SW corner.	53° 54.0' N 14° 15.4' E	Iso.R. period 2s	23 7	1	Red mast, gallery.	Synchronized with 6135.6, 6135.61, 6135.62, 6150 and 6150.2.
6150.2 <i>C 2678.7</i>	-Berth 2, SW corner.	53° 53.9' N 14° 15.3' E	Iso.R. period 2s	23 7	1	Red mast, gallery.	Synchronized with 6135.6, 6135.61, 6135.62, 6150 and 6150.1.
6150.3 <i>C 2678.715</i>	-Polwysep Kosa, E. quay.	53° 54.0' N 14° 15.1' E	Q.G.	23 7	3	Green steel post, gallery.	
6152 <i>C 2679.8</i>	-Zatoka Pomorska basins Nos 1 and 2.	53° 53.7' N 14° 15.8' E	Oc.W.R.G. period 6s lt. 5s, ec. 1s	31 9	W. 6 R. 4 G. 4	Building, lantern.	G. 068°42'-090°30', W.-103°42', R.-125°.
MIELINSKI KANAL:							
6156 <i>C 2680</i>	-Mielin.	53° 53.5' N 14° 15.5' E	Q.R.	23 7	3	Red steel beacon, gallery.	
6160 <i>C 2684</i>	--W. side.	53° 53.1' N 14° 16.0' E	Iso.R. period 4s	30 9	3	White framework mast; 26.	Three lights mark W. side of Wypsa Miehn.
6164 <i>C 2682</i>	-N. and S. Ranges, common front.	53° 52.8' N 14° 16.4' E	Oc.W. period 4s lt. 3s, ec. 1s	49 15	8	White framework mast.	Visible 133°-147°.
			Oc.G. period 4s lt. 3s, ec. 1s	49 15	8		Visible 241°-355°.
6168 <i>C 2682.1</i>	--N., rear, 220 meters 348°18' from front.	53° 52.9' N 14° 16.4' E	Oc.G. period 4s	65 20	8	White framework mast, orange bands.	Visible 341°-355°.
6172 <i>C 2681.9</i>	--S., rear, 220 meters 140° from front.	53° 52.7' N 14° 16.5' E	Oc.W. period 4s	65 20	6	White framework mast, orange bands.	Visible 133°-147°.
6174 <i>C 2681.7</i>	--E. side.	53° 52.7' N 14° 16.4' E	Iso.R. period 4s	26 8	3	White framework mast.	
6176 <i>C 2685</i>	-Mielin.	53° 51.9' N 14° 16.8' E	Iso.R. period 4s	21 6	4	Red tower, gallery, dome, two cross topmarks; 26.	Visible 310°-240°30'.
6178 <i>C 2691</i>	-Karsibor W. side, 1.	53° 51.1' N 14° 16.9' E	Oc.G. period 4s lt. 3s, ec. 1s	30 9	3	White framework mast; 19.	Synchronized with lights 6178.1, 6178.2 and 6178.3.
6178.1 <i>C 2686</i>	--2.	53° 50.9' N 14° 17.0' E	Oc.G. period 4s lt. 3s, ec. 1s	30 9	3	Radar tower.	Synchronized with lights 6178, 6178.2 and 6178.3.
6178.2 <i>C 2688.1</i>	--3.	53° 50.7' N 14° 17.2' E	Oc.G. period 4s lt. 3s, ec. 1s	30 9	3	White framework mast.	Synchronized with lights 6178, 6178.1 and 6178.3.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
POLAND-BALTIC SEA							
6178.3 C 2692	--4.	53° 50.6' N 14° 17.4' E	Oc.G. period 4s lt. 3s, ec. 1s	36 11	3	White framework mast.	Synchronized with lights 6178, 6178.1 and 6178.2.
6180 C 2687	-Papronto Range, front.	53° 50.8' N 14° 17.1' E	Oc.W. period 4s lt. 3s, ec. 1s	43 13	5	White framework mast; 46.	Visible 164°18'-172°18'.
6184 C 2687.1	--Rear, 220 meters 168°18' from front.	53° 50.7' N 14° 17.1' E	Oc.W. period 4s lt. 3s, ec. 1s	65 20	5	White framework mast, red bands; 59.	Visible 164°18'-172°18'. Synchronized with front.
PIASTOWSKI KANAL:							
6188 C 2689	-Mielinek, N. end Wyspa Karsibor.	53° 51.6' N 14° 16.9' E	Oc.(2)R.G. period 8s lt. 1s, ec. 1s lt. 1s, ec. 5s	24 7	3	Red tower, cupola, gallery, cross topmark.	R. 353°-169°, G.-283°.
6192 C 2690	-Karsibor Range, front.	53° 51.1' N 14° 16.8' E	Oc.Or. period 4s lt. 3s, ec. 1s	49 15	7	White tower, gallery, red conical roof.	Visible 317°18'-325°18'.
6196 C 2690.1	--Rear, 1.3 km. 321°18' from front.	53° 51.6' N 14° 16.1' E	Oc.Or. period 4s lt. 3s, ec. 1s	129 39	8	Red framework tower, white bands, two galleries.	Visible 317°18'-325°18'. Synchronized with front.
6200 C 2693	-Entrance, E.	53° 48.5' N 14° 20.4' E	Iso.W. period 2s	82 25	7	Red framework tower, two galleries, concrete base; 85.	Visible 137°18'-145°18' and 317°18'-325°18'.
6204 C 2694	--W.	53° 48.4' N 14° 20.2' E	Iso.W. period 2s	82 25	7	Green framework tower, two galleries, concrete base; 89.	Visible 137°18'-145°18' and 317°18'-325°18'. Nauphone: Mo.(K) ev. 60s.
			Oc.(2)R. period 8s lt. 1s, ec. 1s lt. 5s, ec. 1s	74 23	3		Visible 036°30'-086°.
6214 C 2695.5	-W. breakwater, head.	53° 48.2' N 14° 20.5' E	Oc.G. period 4s lt. 3s, ec. 1s	36 11	4	Green steel beacon.	Visible 096°-046.5°. Synchronized with E. breakwater.
6215 C 2695.6	-E. breakwater, head.	53° 48.3' N 14° 20.7' E	Oc.R. period 4s lt. 3s, ec. 1s	36 11	4	Red steel beacon.	Synchronized with W. breakwater.
WIELKI ZALEW:							
6216 C 2700	-North Haff entrance, E. side of channel. (Brama Tower No 2).	53° 45.7' N 14° 24.3' E	Fl.(2)W. period 8s fl. 1s, ec. 1s fl. 1s, ec. 5s	82 25	13	Red framework tower, two galleries, concrete base; 69.	Visible 136°33'-146°03' and 316°33'-326°03'.
6220 C 2701	--W. No 2.	53° 45.6' N 14° 24.1' E	Fl.(2)W. period 8s fl. 1s, ec. 1s fl. 1s, ec. 5s	82 25	13	Green framework tower, two galleries, concrete base; 69.	Visible 136°33'-146°03' and 316°33'-326°03'.
			Dir.Fl.W.R.G. period 4s fl. 0.4s, ec. 3.6s	75 23	6		G. 106°-108°30', W.-110°30', R.-113°. Shown Apr. 1 to Nov. 30.
6224 C 2702	-South Haff entrance E. side of channel. (Brama Tower No 3).	53° 42.8' N 14° 28.2' E	Fl.(3)W. period 8s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 3s	85 26	13	Red tower, two galleries; 69.	Visible 136°33'-146°03' and 316°33'-326°03'.
			Fl.W.R.G. period 4s fl. 0.4s, ec. 3.6s	72 22	W. 6 R. 4 G. 4		G. 181°54'-186°12', W.-189°30', R.-194°30', W.-227°18'. Shown Apr. 1 to Nov. 30.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
POLAND-BALTIC SEA							
6228 C 2703	--West No 3.	53° 42.7' N 14° 28.0' E	Fl.(3)W. period 8s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 3s	85 26	13	Green tower, two galleries; 69.	Visible 136°33'-146°03' and 316°33'-326°03'.
6232 C 2716	-Polwysep Row.	53° 48.0' N 14° 35.3' E	Fl.W. period 4s fl. 1s, ec. 3s	36 11	6	Red and white tower, dolphin.	Shown Apr. 1 to Nov. 30.
6236 C 2714	-Skoszewo Range, front.	53° 47.1' N 14° 37.0' E	Iso.W. period 4s	69 21	6	White framework tower, red diamond daymark.	Visible 077°36'-085°36'.
6240 C 2714.1	--Rear, 870 meters 081°36' from front.	53° 47.1' N 14° 37.7' E	Iso.W. period 4s	111 34	6	Red framework tower, red diamond daymark.	Visible 077°36'-085°36'. Synchronized with front.
-Zatoka Skoszevska:							
6244 C 2715	--Sager Range, front.	53° 48.3' N 14° 36.8' E	Oc.R. period 4s lt. 3s, ec. 1s	53 16	5	White framework tower, red diamond daymark; 52.	
6248 C 2715.1	--Rear, 501 meters 049° from front.	53° 48.5' N 14° 37.2' E	Oc.R. period 4s lt. 3s, ec. 1s	83 25	5	Red framework tower, red rectangular daymark; 46.	Synchronized with front.
6252 C 2717	--Galgenborg Range, front.	53° 49.7' N 14° 36.1' E	Oc.W. period 6s lt. 5s, ec. 1s	49 15	5	White framework tower, white rectangular daymark, orange stripes; 39.	Visible 357°54'-005°54'.
6256 C 2717.1	--Rear, 104 meters 001°54' from front.	53° 49.8' N 14° 36.1' E	Oc.W. period 6s lt. 5s, ec. 1s	79 24	5	Red framework tower, red rectangular daymark, white stripe.	Visible 357°54'-005°54'.
6260 C 2706	-Lubin Range, front.	53° 51.8' N 14° 26.4' E	Oc.(2)W. period 8s lt. 1s, ec. 1s lt. 5s, ec. 1s	111 34	5	White framework mast; 26.	Visible 295°48'-303°48'.
6264 C 2706.1	--Rear, 208 meters 299°48' from front.	53° 51.9' N 14° 26.3' E	Oc.(2)W. period 8s lt. 1s, ec. 1s lt. 5s, ec. 1s	173 53	5	White framework mast, white diamond daymark.	Visible 295°48'-303°48'. Synchronized with front.
SZCZECIN APPROACH:							
6268 C 2708	-Lubin, S. mole of factory basin, head.	53° 52.5' N 14° 25.4' E	Oc.G. period 4s lt. 3s, ec. 1s	23 7	1	Green post.	
-Chelminek (Leitholm):							
6276 C 2719	--N. end.	53° 40.5' N 14° 31.4' E	Oc.(2)R. period 8s lt. 1s, ec. 1s lt. 5s, ec. 1s	42 13	3	Red beacon, conical roof; 43.	Synchronized with 6280.
6280 C 2720	--S. end.	53° 40.2' N 14° 32.0' E	Oc.(2) R. period 8s lt. 1s, ec. 1s lt. 5s, ec. 1s	26 8	3	Red beacon; 26.	Synchronized with 6276.
6284 C 2722	-Brama Tower No 4, E. end.	53° 39.9' N 14° 32.0' E	Iso.W. period 2s	82 25	7	Red framework tower, two galleries.	Visible 137°18'-144°48' and 320°18'-327°48'. Synchronized with 6288.
6288 C 2721	--W. tower.	53° 39.8' N 14° 31.8' E	Iso.W. period 2s	82 25	7	Green framework tower, two galleries.	Visible 138°18'-145°48' and 315°18'-322°48'. Synchronized with 6284.
6292 C 2728	-Mankow Range, front.	53° 37.1' N 14° 35.7' E	Oc.(2)W. period 8s lt. 1s, ec. 1s lt. 5s, ec. 1s	49 15	7	Red and white tower, two galleries, conical roof; 56.	Visible 137°36'-145°36'.
6296 C 2728.1	--Rear, about 1390 meters 141°36' from front.	53° 36.5' N 14° 36.4' E	Oc.(2)W. period 8s lt. 1s, ec. 1s lt. 5s, ec. 1s	105 32	7	Red and white tower, two galleries, conical roof.	Visible 137°36'-145°36'. Synchronized with front.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
POLAND-BALTIC SEA							
-Trzebiez:							
6300 C 2724	--N. beacon Range, front	53° 39.6' N 14° 31.1' E	Oc.W. period 4s lt. 3s, ec. 1s	36 11	7	White framework tower, red rectangular daymark.	Visible 146°12'-154°12'.
6304 C 2724.1	---Rear, 433 meters 150°12' from front.	53° 39.4' N 14° 31.3' E	Oc.W. period 4s lt. 3s, ec. 1s	71 22	7	Framework tower, red rectangular daymark.	Visible 146°12'-154°12'.
6308 C 2724.4	--Trzebiez, entrance, N. side.	53° 39.8' N 14° 31.0' E	Iso.R. period 2s	19 6	2	Red post, gallery.	Synchronized with 6312.
6312 C 2724.6	--NW. breakwater, head.	53° 39.7' N 14° 30.9' E	Iso.G. period 2s	23 7	2	Green framework tower.	Synchronized with 6308.
6316 C 2724.8	--SE. side.	53° 39.6' N 14° 31.4' E	Iso.G. period 4s	20 6	2	Green framework tower.	
6320 C 2725	--S. breakwater, head.	53° 39.6' N 14° 31.4' E	Iso.R. period 4s	30 9	2	Red post, gallery.	
6324 C 2725.4	-Trzebiez Range, front.	53° 39.8' N 14° 30.9' E	Oc.Or. period 4s lt. 3s, ec. 1s	36 11	4	White framework tower, orange diamond daymark; 39.	Visible 297°12'-305°12'.
6328 C 2725.5	--Rear, 381 meters 301°12' from front.	53° 39.9' N 14° 30.6' E	Oc.Or. period 4s lt. 3s, ec. 1s	59 18	4	White framework tower, orange triangular daymark point down.	Visible 297°12'-305°12'.
6332 C 2730	-Stepnica Range, front.	53° 38.1' N 14° 34.7' E	Oc.W. period 8s lt. 5s, ec. 3s	49 15	5	Orange and white tower, two galleries, conical roof; 46.	Visible 344°-352°.
6336 C 2730.1	--Rear, 730 meters 348° from front.	53° 38.5' N 14° 34.6' E	Oc.W. period 8s lt. 5s, ec. 3s	83 25	5	Orange and white framework tower, two galleries, conical roof.	Visible 344°-352°. Synchronized with front.
6348 C 2726	-Great Stepenitz railway harbor Range, front.	53° 38.9' N 14° 37.3' E	Oc.R. period 4s lt. 3s, ec. 1s	36 11	7	White framework tower.	
6352 C 2726.1	--Rear, 153.5 meters 067°36' from front.	53° 39.0' N 14° 37.5' E	Oc.R. period 4s lt. 3s, ec. 1s	62 19	4	White framework structure, orange rectangular daymark, white stripe.	Synchronized with front.
6360 C 2726.6	--S. Mole.	53° 38.9' N 14° 37.2' E	Iso.G. period 2s	19 6	3	Green mast, gallery.	
6361 C 2727	--W. breakwater, head.	53° 39.0' N 14° 37.1' E	Iso.R. period 4s	10 3	3	Red post.	
6364 C 2736	-Krepa Range, front.	53° 35.9' N 14° 35.6' E	Oc.W. period 4s lt. 3s, ec. 1s	48 15	5	Orange and white tower, two galleries, conical roof.	Visible 352°-000°.
6368 C 2736.1	--Rear, 660 meters 356° from front.	53° 36.2' N 14° 35.6' E	Oc.W. period 4s lt. 3s, ec. 1s	85 26	5	Orange and white tower, two galleries, conical roof.	Visible 352°-000°. Synchronized with front.
6372 C 2732	-Zulawy.	53° 37.8' N 14° 35.4' E	Oc.W.R. period 4s lt. 3s, ec. 1s	39 12	W. 2 R. 1	White and red tower, cupola, gallery; 49.	W. 024°24'-046°, R.-098°, W.-112°24'.
6373 C 2732.4	-Pier, N. end.	53° 36.6' N 14° 35.4' E	Oc.R. period 4s lt. 3s, ec. 1s	13 4	4	Red post.	
6373.1 C 2732.5	--S. end.	53° 36.5' N 14° 35.5' E	Oc.R. period 4s lt. 3s, ec. 1s	10 3	4	Red post.	
6374 C 2733	-Roztoka Odrzanska.	53° 36.5' N 14° 35.1' E	Fl.Y. period 4s fl. 1s, ec. 3s	21 6	5	Yellow dolphin.	Marks gas pipeline.
6376 C 2734	-Radun Range, front.	53° 34.7' N 14° 35.9' E	Oc.(2)W. period 8s lt. 1s, ec. 1s lt. 5s, ec. 1s	49 15	5	Orange and white tower, two galleries, conical roof.	Visible 164°-172°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
POLAND-BALTIC SEA							
6380 C 2734.1	--Rear, 800 meters 168° from front.	53° 34.3' N 14° 36.1' E	Oc.(2)W. period 8s lt. 1s, ec. 1s lt. 5s, ec. 1s	84 26	5	Orange and white tower, two galleries, conical roof.	Visible 164°-172°.
6382 C 2735	-Wielki Karu, N. end.	53° 35.7' N 14° 35.2' E	Q.W.	40 12	4	N. CARDINAL BY, tower, topmark.	
6384 C 2741	-Domance.	53° 33.4' N 14° 35.7' E	Oc.(2)W.R. period 8s lt. 1s, ec. 1s lt. 5s, ec. 1s	39 12	W. 2 R. 1	Red and white tower, dome, gallery, conical roof.	W. 191°48'-202°18', R.-277°30', W.-292°30'.
6388 C 2738	-Dlugi Ostrow, S. end.	53° 33.6' N 14° 35.8' E	Q.(6)+L.Fl.W. period 15s	26 8	6	S. CARDINAL YB, structure, topmark; 30.	
6389 C 2738.5	-Police Range, front.	53° 33.7' N 14° 35.5' E	Oc.R. period 8s lt. 6s, ec. 2s	118 36	14	Orange and white cylindrical tower.	
6389.1 C 2738.51	--Rear, 486 meters 312°36' from front.	53° 33.9' N 14° 35.1' E	Oc.R. period 8s lt. 6s, ec. 2s	197 60	14	Orange and white cylindrical tower, two galleries, lantern.	Synchronized with front.
6390 C 2739	-Radun Island.	53° 33.5' N 14° 36.1' E	Fl.R. period 4s fl. 1s, ec. 3s	26 8	6	Red dolphin, turret with two galleries.	
6392 C 2743	-Politzer Wiesen Range, front.	53° 33.1' N 14° 35.9' E	Oc.Or. period 4s lt. 3s, ec. 1s	49 15	5	Red and white tower, orange top, two galleries, conical roof.	Visible 172°-180°.
6396 C 2743.1	--Rear, 660 meters 176° from front.	53° 32.8' N 14° 36.0' E	Oc.Or. period 4s lt. 3s, ec. 1s	84 26	5	Red and white tower, two galleries, conical roof.	Visible 172°-180°. Synchronized with front.
6398 C 2740	-Channel light 36, E. bank.	53° 33.2' N 14° 36.6' E	Fl.R. period 4s fl. 1s, ec. 3s	26 8	3	Red metal structure, gallery.	Radar reflector.
-Domiaza:							
6400 C 2751	--Mnisi Ostrow, N.	53° 32.7' N 14° 37.0' E	V.Q.W.	40 12	4	N. CARDINAL BY, structure, topmark.	
6404 C 2752	--Kopina, S. end.	53° 32.6' N 14° 37.6' E	Iso.R. period 4s	24 7	2	Red framework structure.	
6416 C 2752.6	--Channel 40, E. bank.	53° 32.7' N 14° 37.5' E	Fl.R. period 4s fl. 1s, ec. 3s	26 8	3	Red cylindrical structure, gallery.	Radar reflector.
6418 C 2754.5	--Channel 41, W. bank.	53° 32.4' N 14° 37.6' E	Fl.G. period 4s fl. 1s, ec. 3s	26 8	3	Green cylindrical structure.	Radar reflector.
6420 C 2754	---Inskie.	53° 32.5' N 14° 38.1' E	Oc.(2)W.R. period 8s	39 12	W. 2 R. 1	Red and white tower, dome; 46.	W. 011°18'-025°30', R.-107°, W.-118°06'.
6422 C 2755	--Channel 43, W. bank.	53° 32.1' N 14° 37.8' E	Fl.G. period 4s fl. 1s, ec. 3s	26 8	3	Green cylindrical structure, gallery.	Radar reflector.
6423 C 2754.7	--Channel 44, E. bank.	53° 32.1' N 14° 37.9' E	Fl.R. period 4s fl. 1s, ec. 3s	26 8	3	Red cylindrical structure, gallery.	
6428 C 2746.9	--Ina N. Range, front, 614 meters 312°36' from rear.	53° 32.2' N 14° 38.2' E	Oc.W. period 8s lt. 5s, ec. 3s	51 16	5	Orange and white tower, orange dome, gallery.	Visible 128°36'-136°36'.
6432 C 2747	---Common rear.	53° 32.0' N 14° 38.6' E	Oc.W. period 8s lt. 5s, ec. 3s	85 26	5	Orange and white tower, orange dome, gallery.	Visible 128°36'-136°36' and 014°-022°.
6436 C 2747.1	--Ina S. Range, front, 846 meters 198° from rear.	53° 31.5' N 14° 38.4' E	Oc.W. period 8s lt. 5s, ec. 3s	46 14	5	Orange and white tower, orange dome, gallery.	Visible 014°-022°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
POLAND-BALTIC SEA							
6438 <i>C 2749</i>	--Wyspy Rybi Island.	53° 31.8' N 14° 37.8' E	V.Q.(6)+L.FI.W. period 10s	40 12	4	S. CARDINAL YB, structure, topmark.	
	-Oder (Odra) River:						
6440 <i>C 2758</i>	--Wyspa Zurawia, N. end.	53° 31.3' N 14° 37.9' E	V.Q.W.	39 12	5	N. CARDINAL BY, structure, topmark.	
6444 <i>C 2750</i>	--Babina, W. side of Mewia Wyspa.	53° 31.0' N 14° 38.4' E	Oc.W.R. period 4s	39 12	W. R. 2	Red and white tower, dome, gallery, conical roof.	W. 037°48'-058°24', R.- 133°42', W.-154°12'.
6448 <i>C 2762</i>	--Bykowo Range, front.	53° 30.5' N 14° 38.1' E	Oc.W. period 4s lt. 3s, ec. 1s	49 15	5	Red and white beacon, gallery.	Visible 169°54'-177°54'.
6452 <i>C 2762.1</i>	---Rear, 600 meters 173°54' from front.	53° 30.2' N 14° 38.2' E	Oc.W. period 4s lt. 3s, ec. 1s	79 24	5	Red and white beacon, gallery.	Visible 169°54'-177°54'.
6452.5 <i>C 2764.75</i>	--Steel Wharf, N. end.	53° 29.8' N 14° 37.3' E	Oc.G. period 4s lt. 3s, ec. 1s	20 6	2	Green mast, gallery.	
6453 <i>C 2765.24</i>	--Cementowe Wharf, S. end.	53° 29.5' N 14° 37.1' E	Iso.G. period 2s	23 7	3	Green mast, gallery.	
6454 <i>C 2765.42</i>	--Fosfatowy Platform, N. head.	53° 29.3' N 14° 36.9' E	Oc.(2)G. period 8s lt. 1s, ec. 1s lt. 5s, ec. 1s	20 6	1	Green mast.	Synchronized with 6454.1.
6454.1 <i>C 2765.44</i>	---S. Head.	53° 29.2' N 14° 36.9' E	Oc.(2)G. period 8s lt. 1s, ec. 1s lt. 5s, ec. 1s	20 6	2	Green mast.	Synchronized with 6454.
6454.5 <i>C 2765.6</i>	--N. Shop 2 Wharf.	53° 28.9' N 14° 36.9' E	Iso.G. period 4s	20 6	2	Green mast, gallery.	
6455 <i>C 2767.6</i>	--Goclaw, N. end.	53° 28.8' N 14° 36.8' E	Oc.G. period 4s lt. 3s, ec. 1s	20 6	3	Green mast, gallery.	
6455.1 <i>C 2770</i>	---Basen, BTP. N. side.	53° 28.1' N 14° 36.1' E	Iso.G. period 2s	20 6	3	Green mast.	
6455.12 <i>C 2770.2</i>	----S. side.	53° 28.1' N 14° 36.1' E	Iso.R. period 2s	20 6	3	Red mast.	
6455.2 <i>C 2772</i>	---Lighting Authority Basin, N. side.	53° 28.0' N 14° 36.1' E	Iso.G. period 2s	25 7	3	Green mast.	
6455.3 <i>C 2772.2</i>	----S. side.	53° 28.0' N 14° 36.0' E	Iso.G. period 2s	20 6	3	Green mast.	
6456 <i>C 2764</i>	--Swieta Range, front.	53° 28.1' N 14° 36.5' E	Oc.W. period 4s lt. 3s, ec. 1s	49 15	5	Orange and white tower, two galleries, conical roof.	Visible 194°-202°.
6460 <i>C 2764.1</i>	---Rear, 850 meters 198° from front.	53° 27.7' N 14° 36.3' E	Oc.W. period 4s lt. 3s, ec. 1s	85 26	5	Orange and white tower, two galleries, conical roof.	Visible 194°-202°.
6460.1 <i>C 2771.7</i>	-Jachtowe Wharf, N. side.	53° 27.8' N 14° 36.0' E	Oc.G. period 4s lt. 3s, ec. 1s	16 5	3	Green tubular structure, gallery.	Synchronized with 6460.2.
6460.2 <i>C 2771.5</i>	--S. side.	53° 27.7' N 14° 35.9' E	Oc.G. period 4s lt. 3s, ec. 1s	16 5	3	Green tubular structure, gallery.	Synchronized with 6460.1.
	-Szczecin:						
6461 <i>C 2777.9</i>	--Basen Mlynski.	53° 27.3' N 14° 35.4' E	Iso.G. period 4s	20 6	4	Green mast, gallery.	
6461.5 <i>C 2777.95</i>	--Wyspa Okretowa, NW corner.	53° 27.3' N 14° 35.6' E	F.R.	26 8		Red mast.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
POLAND-BALTIC SEA							
6462 <i>C 2813</i>	--Ostrow Grabowski.	53° 26.5' N 14° 35.6' E	Iso.W.R.G. period 2s	26 8	W. 5 R. 3 G. 3	White beacon, two galleries.	G. 185°-189°, W.-191°, R.-195°.
			Q.W.	30 9	3		Visible 195°-185°.
6464 <i>C 2781.5</i>	--Pier, head.	53° 26.9' N 14° 35.1' E	Iso.G. period 2s	26 8	3	Green mast.	
6465 <i>C 2791.5</i>	-Nabrzeze Krakowskie.	53° 26.4' N 14° 35.1' E	Iso.G. period 2s			Gray mast, lantern.	
6465.2 <i>C 2791.8</i>	-Zatoka Pomorska.	53° 26.4' N 14° 34.9' E	Fl.G. period 4s fl. 1s, ec. 3s	23 7	1	Green mast, support.	Marks obstruction.
6465.3 <i>C 2793</i>	-Niemieckie Wharf, W. end.	53° 26.3' N 14° 35.1' E	Iso.R. period 4s		3	Red mast, gallery.	
6465.4 <i>C 2793.5</i>	--E. end.	53° 26.2' N 14° 35.2' E	Iso.G. period 4s		3	Green mast, gallery.	
6466 <i>C 2799</i>	-Kanal Debicki.	53° 25.9' N 14° 35.2' E	Iso.R. period 4s	23 7	3	Red mast.	
6467 <i>C 2801</i>	--Czeskie wharf.	53° 25.7' N 14° 35.0' E	Iso.G. period 4s	23 7	1	Green post.	
6469.1 <i>C 2817</i>	--NB. Zabrzonskie.	53° 24.6' N 14° 36.7' E	Q.R.	20 6	1	Red mast, gallery, dolphin.	
6472 <i>C 2876</i>	-Nowe Warpno, N. landing.	53° 43.6' N 14° 16.9' E	Oc.(2)W.R.G. period 8s lt. 1s, ec. 1s lt. 5s, ec. 1s	23 7	1	White post, gallery; 20.	G. 152°-155°, W.-157°, R.-160°. Whistle: bl ev. 15s (bl. 1s, si. 14s).
6476 <i>C 2876.2</i>	--Elbow of Mole.	53° 43.6' N 14° 16.9' E	Iso.G. period 4s	23 7	4	Green mast, gallery; 23.	
6477	--Kanal Piastowski.	53° 49.3' N 14° 19.2' E	Iso.G. period 4s	20 6	4	Green mast.	2 beacons.
POLAND-GERMANY-BALTIC SEA							
NOWE WARPNO:							
6480 <i>C 2874</i>	--Altwarp Oder-haff Dolphin 7.	53° 44.3' N 14° 16.4' E	Fl.Y. period 4s fl. 1s, ec. 3s	23 7	2	Black pile, white bands.	Visible 153°-010°. Indicates German-Polish border.
6484 <i>C 2878</i>	-Uckermunde, W. mole, root.	53° 45.0' N 14° 04.0' E	Oc.W. period 6s lt. 5s, ec. 1s	36 11	13	White column, gallery, red lantern; 36.	W. 113°-293°. Shown during open navigation.
6488 <i>C 2867</i>	-Kamp Kavnin Range, front.	53° 50.3' N 13° 51.5' E	Oc.(3)R. period 15s lt. 2s, ec. 1s lt. 2s, ec. 1s lt. 8s, ec. 1s	23 7	5	White framework beacon; 26.	
6492 <i>C 2867.1</i>	--Rear, about 1,445 meters 283° from front.	53° 50.5' N 13° 50.3' E	Oc.(3)R. period 15s lt. 2s, ec. 1s lt. 2s, ec. 1s lt. 8s, ec. 1s	83 25	7	White column; 79.	
POLAND-BALTIC SEA							
6496 <i>C 2892</i>	Kikut.	53° 58.9' N 14° 34.8' E	Iso.W. period 10s	300 91	16	Gray round tower, white dome, gallery; 59.	Visible 063°-241°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
POLAND-BALTIC SEA							
6500	Approach Bell Buoy DZI.	54° 04.0' N 14° 41.0' E	L.Fl.W. period 10s fl. 3s, ec. 7s			White buoy, pillar, red stripes.	
6508 C 2897	-W. mole, head.	54° 01.4' N 14° 43.5' E	Oc.(2)G. period 8s lt. 1s, ec. 1s lt. 5s, ec. 1s	33 10	7	Green tower with gallery.	
6512 C 2896	-Entrance Range, front.	54° 01.2' N 14° 43.8' E	Oc.W. period 4s lt. 3s, ec. 1s	25 8	3	White framework tower, white diamond daymark.	Visible 138°42'-146°42'.
6516 C 2896.1	--Rear, 130 meters from front.	54° 01.1' N 14° 43.9' E	Oc.W. period 4s lt. 3s, ec. 1s	42 13	3	White and red framework tower, white rectangular daymark.	Visible 138°42'-146°42'. Synchronized with front.
6520 C 2904	Niechorze.	54° 05.7' N 15° 03.8' E	Fl.W. period 10s fl. 0.5s, ec. 9.5s	206 63	20	White octagonal tower, gallery, dome, red roof.	
6524 C 2905	Mrzezyno, on E. bank of Rega River entrance.	54° 08.8' N 15° 17.2' E	Oc.(2)W.R.G. period 10s lt. 2s, ec. 1s lt. 6s, ec. 1s	23 7	5	Framework tower; 20.	G. 050°-151°, W.-157°, R.-244°. Nautophone: (30 meters N.) Mo.(P) ev. 60s.
6536 C 2905.25	-E. Breakwater, head.	54° 09.0' N 15° 17.0' E	Iso.R. period 4s	33 10	5	Red column, gallery.	Synchronized with 6540.
6540 C 2905.27	-W. Breakwater, head.	54° 08.9' N 15° 17.2' E	Iso.G. period 4s	33 10	5	Green column, gallery.	Synchronized with 6536.
KOLOBRZEG:							
6544	-Approach buoy Kol.	54° 14.0' N 15° 31.0' E	L.Fl.W. period 10s fl. 3s, ec. 7s			SAFE WATER RW, column, topmark.	Seasonal.
6548 C 2908	-E. mole, head.	54° 12.0' N 15° 33.0' E	Oc.R. period 4s lt. 3s, ec. 1s	26 8		Red post, gallery.	Nautophone: Mo.(K) ev. 60s.
6552 C 2906	-Kolobrzeg.	54° 11.2' N 15° 33.3' E	Fl.W. period 3s fl. 1s, ec. 2s	118 36	16	Red cylindrical tower, dome, black roof.	Traffic signals.
6556 C 2910	-W. mole, head.	54° 11.4' N 15° 33.2' E	Oc.G. period 4s lt. 3s, ec. 1s	36 11		Green post, gallery.	
6560 C 2914	Gaski.	54° 14.6' N 15° 52.4' E	Oc.(3)W. period 15s lt. 2.5s, ec. 1.2s lt. 2.5s, ec. 1.2s lt. 6.4s, ec. 1.2s	164 50	23	Red cylindrical tower, gallery, dome.	
DARLOWO:							
6563 C 2917	Port Darlowo. W. breakwater.	54° 26.3' N 16° 22.5' E	L.Fl.(2)W. period 15s fl. 2s, ec. 2s fl. 2s, ec. 9s	79 24	15	Gray concrete radar tower, two galleries.	Visible 035°-220°.
6564 C 2918	-E. mole, root.	54° 26.4' N 16° 22.7' E	Oc.W.R.G. period 4s	66 20	5	Red four-sided tower, white gallery, dome, dwelling; 69.	G. 098°-108°, W.-113°, R.-123°.
6568 C 2920	--Head.	54° 26.6' N 16° 22.7' E	Iso.R. period 4s	33 10	6	Red tower, gallery.	Synchronized with 6572.
6572 C 2922	-W. mole, head.	54° 26.5' N 16° 22.6' E	Iso.G. period 4s	33 10	6	Green tower, gallery.	Synchronized with 6568.
6576 C 2923	-River entrance, W. mole.	54° 26.0' N 16° 23.0' E	Q.G.	20 6	5	Green column.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
POLAND-BALTIC SEA							
6580 <i>C 2926</i>	Jaroslawiec.	54° 32.4' N 16° 32.5' E	Fl.(2)W. period 9s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6s	164 50	23	Red round tower, white dome; 102.	
USTKA:							
6584 <i>C 2930</i>	-Ustka.	54° 35.3' N 16° 51.3' E	Oc.W. period 6s lt. 4s, ec. 2s	73 22	18	Red octagonal tower, white cupola, building; 72.	Visible 074°-254°.
6588 <i>C 2932</i>	-E. breakwater, head.	54° 36.0' N 16° 51.0' E	Iso.R. period 6s	36 11	7	Red post.	Synchronized with 6596.
6596 <i>C 2933</i>	-W. breakwater, head.	54° 35.5' N 16° 51.1' E	Iso.G. period 6s	33 10	7	Green post.	Synchronized with 6588.
6600 <i>C 2934</i>	-River entrance, W. side.	54° 35.3' N 16° 51.2' E	Q.G.	20 6	1	Green post, gallery.	
6601 <i>C 2935</i>	-Basin, W. side.	54° 35.3' N 16° 51.2' E	Q.G.	20 6	1	Green post, gallery.	
6612 <i>C 2939.1</i>	Rowy.	54° 40.1' N 17° 03.2' E	Iso.Or. period 6s	33 10	2	White tower, gallery.	Visible 129°-159°. Nautophone: (115 meters NW.) Mo.(R) 30s.
6616 <i>C 2940</i>	Czotpino.	54° 43.1' N 17° 14.5' E	Oc.(2)W. period 8s lt. 1s, ec. 2s lt. 3s, ec. 2s	246 75	22	Red cylindrical brick tower, black dome; 83.	
LEBA:							
6620	<i>-Approach Buoy LEBA.</i>	54° 47.1' N 17° 33.8' E	L.Fl.W. period 10s fl. 2.5s, ec. 7.5s			SAFE WATER RW, pillar, topmark.	Seasonal.
6624 <i>C 2944</i>	-E. mole, head.	54° 46.1' N 17° 33.0' E	Iso.R. period 4s	33 10	5	Red cylindrical column, gallery.	Synchronized with 6629 Iso.G. light.
6627 <i>C 2944.5</i>	-W. breakwater.	54° 46.1' N 17° 33.0' E	Dir.W.R.G.	23 7	W. R. G. 8 6 6	White cylindrical column, gallery.	Fl.G. 197°-198°, F.G.-201°, Al.W.G.-202°, F.W.-204°, Al.R.W.-205°, F.R.-208°, Fl.R.-209°. Marked by eight luminous orange lights.
6629 <i>C 2945</i>	--Head.	54° 46.2' N 17° 33.0' E	Q.W.	33 10	5	Green cylindrical column, gallery.	Visible 025°-180°.
			Iso.G. period 4s				Visible 180°-025°. Synchronized with 6624.
6632 <i>C 2954</i>	Stilo.	54° 47.2' N 17° 44.0' E	Fl.(3)W. period 12s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 6.7s	246 75	23	Red, white, and black tower, two galleries, white lantern.	Visible 050°30'-290°30'.
6634 <i>C 2957.6</i>	Platform PG-1.	55° 27.4' N 18° 09.4' E	Mo.(U)W. period 15s			Platform.	Horn: Mo.(U).
	RACON		G(- - •)				
6634.5 <i>C 2957.5</i>	-Platform Baltic Beta.	55° 28.9' N 18° 11.0' E	Mo.(U)W. period 15s			Platform.	Horn: Mo.(U) ev. 30s.
	-RACON		T(-)				
6636 <i>C 2960</i>	Rozewie.	54° 49.8' N 18° 20.2' E	Fl.W. period 3s fl. 0.1s, ec. 2.9s	272 83	26	Red round tower, two galleries.	DGPS Station.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
POLAND-BALTIC SEA							
POLWYSEP HEL:							
6640 C 2961	-Wladyslawowo, N. breakwater, head.	54° 47.8' N 18° 25.4' E	Oc.G. period 5s lt. 3s, ec. 2s	43 13	5	Green hexagonal tower, lantern.	Synchronized with 6648.5.
6644	--Approach Buoy WLA.	54° 48.0' N 18° 27.0' E	L.Fl.W. period 10s fl. 2.5s, ec. 7.5s			SAFE WATER RW, pillar, topmark.	
6646 C 2961.4	-Entrance Range, front.	54° 47.7' N 18° 25.2' E	Oc.R. period 6s lt. 4s, ec. 2s	46 14	4	Yellow framework tower.	
6646.1 C 2961.41	--Rear, 245 meters 260° from front.	54° 47.7' N 18° 25.0' E	Oc.R. period 6s lt. 4s, ec. 2s	72 22	4	Building.	Synchronized with front.
6648 C 2964	-Inner mole, head, extending from N. breakwater.	54° 47.8' N 18° 25.4' E	F.G.	21 6	2	Green post.	
6648.5 C 2963	-S. breakwater.	54° 47.8' N 18° 25.3' E	Oc.R. period 5s lt. 3s, ec. 2s	39 12	3	Red post, gallery.	Synchronized with 6640.
6649 C 2964.6	-Fishery building.	54° 47.7' N 18° 24.6' E	Aero F.R.	256 78	23	Tower.	
6650 C 3002	-Kuznica Range, front.	54° 44.0' N 18° 34.9' E	F.R.	46 14	3	Gray framework tower, white triangular daymark point up, red border.	
6650.1 C 3002.1	--Rear, 188 meters 339° from front.	54° 44.1' N 18° 34.9' E	F.R.	57 17	3	Gray framework tower, triangular daymark point down, red border.	
6651 C 3003	--E. breakwater, entrance.	54° 43.9' N 18° 35.0' E	L.Fl.G. period 5s fl. 2s, ec. 3s	20 6	3	Green post.	
6651.1 C 3003.1	--S. breakwater.	54° 43.9' N 18° 35.0' E	L.Fl.R. period 5s fl. 2s, ec. 3s	20 6	3	Red post.	
6652 C 2983	-Jastarnia Bor Range, front.	54° 41.8' N 18° 40.5' E	Iso.Or. period 2s	34 10	4	Red pipe, white stripes, white triangular daymark point up, red border.	Iso.R. 6s and Iso.G. 6s mark breakwaters about 400 meters S.
6656 C 2983.1	--Rear, 188 meters 000°24' from front.	54° 41.9' N 18° 40.5' E	Oc.Or. period 4s lt. 3s, ec. 1s	62 19	4	Tower, red square daymark.	
6660 C 2986	--On island, entrance to Jastarnia Bor.	54° 41.0' N 18° 40.4' E	Fl.(3)W.R. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 3.5s	30 9	W. 8 R. 6	Red post, white band, gallery, gray concrete base.	W. 333°-083°, R.-333°.
6664 C 2965	-Jastarnia Wies.	54° 42.0' N 18° 40.9' E	Mo.(A)W. period 20s fl. 2s, ec. 2s fl. 9s, ec. 7s	72 22	15	White round tower, red bands with gallery.	
6672 C 2968	-Hel.	54° 36.0' N 18° 48.8' E	Iso.W. period 10s	128 39	17	Red octagonal tower, gallery.	Visible 151°-102°.
-Port Hel:							
6676 C 2972	--Outer harbor, W. mole, head.	54° 36.0' N 18° 48.0' E	Fl.R. period 4s fl. 0.5s, ec. 3.5s	29 9	4	Red post, gallery.	
6680 C 2974	--E. mole, head.	54° 36.0' N 18° 48.1' E	Fl.W.G. period 4s fl. 0.5s, ec. 3.5s	29 9	4	White and green cylindrical tower, gallery.	W. 300°-010°, G.-300°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
POLAND-BALTIC SEA							
GULF OF DANZIG:							
6708 C 3010	-Rewa.	54° 38.0' N 18° 30.7' E	Oc.W.R.G. period 4s lt. 3s, ec. 1s	33 10	W. 6 R. 4 G. 4	Orange steel beacon, white trapezoidal daymark, orange border.	G. 122°-167°, W.-177°, R.-222°.
6709 C 3011	--N. pipeline.	54° 37.1' N 18° 32.8' E	Q.(3)W. period 10s	30 9	5	Yellow dolphin, gallery.	Marks waste pipe.
6709.1 C 3013	--S. pipeline.	54° 37.0' N 18° 33.0' E	Q.(3)W. period 10s	16 5	3	E. CARDINAL BYB, dolphin, topmark.	Marks waste pipe.
PORT OF GDYNIA:							
6716 C 3018	-Kanal Portowy, entrance Range, front.	54° 32.2' N 18° 32.9' E	Oc.Or. period 5s lt. 3s, ec. 2s	50 15	8	White framework tower, black stripe.	Range 3M by day.
6720 C 3018.1	--Yugoslav Quay, rear, on corner of quay, about 1060 meters 271°30' from front.	54° 32.2' N 18° 31.9' E	Oc.Or. period 5s lt. 3s, ec. 2s	98 30	8	Grey concrete tower.	Leads from roadstead through middle entrance between breakwater to Awanport. Range 5M by day.
6724 C 3014	-Awanport, N. breakwater, head.	54° 32.4' N 18° 33.7' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	25 8	3	Black framework tower.	
6728 C 3015	--S. side of N. entrance.	54° 32.3' N 18° 33.7' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	34 10	3	Red framework tower, white band.	
6729 C 3015.2	--S. side of detached breakwater.	54° 32.2' N 18° 33.8' E	Iso.G. period 4s	49 15	8	Gray concrete tower, gallery, dome.	Synchronized with 6732. Reserve light range 6M.
6732 C 3016	--S. side of main entrance, N. end.	54° 32.1' N 18° 33.8' E	Iso.R. period 4s	50 15	10	Gray concrete tower, gallery, dome.	Synchronized with 6729. Reserve light range 6M.
6736 C 3016.2	-Main breakwater, S. head.	54° 31.0' N 18° 33.7' E	Oc.G. period 10s lt. 7.5s, ec. 2.5s	39 12	9	Gray concrete tower, glass dome, flat roof.	Reserve light range 4M.
6740 C 3020.6	-Fuel berth.	54° 32.0' N 18° 33.7' E	FR.	23 7	3	Gray metal post, dolphin.	
6744 C 3020.62	-Fuel berth.	54° 31.9' N 18° 33.7' E	FR.	23 7	3	Gray metal post, dolphin.	
6756 C 3024	-Basin No 1.	54° 31.3' N 18° 33.6' E	FG.	19 6	2	Green pole.	
6760 C 3023.4	-Fisherman's Pier, (English Quay) NE. head.	54° 31.5' N 18° 33.6' E	FR.	14 4	3	Red pole.	
6768 C 3022	-Swedish Quay, NE. head.	54° 31.8' N 18° 33.6' E	FR.	21 6	2	Red pole.	
6769 C 3022.1	-Basin No 3.	54° 31.8' N 18° 33.1' E	FW.	13 4		Dolphin.	
6788 C 3021	--French Quay, NE. corner.	54° 32.0' N 18° 33.3' E	FR.	21 6	2	Red pole.	
6790 C 3021.5	-Holland Quay.	54° 32.0' N 18° 33.4' E	FG.	23 7	2	Green pole.	
6792 C 3026.2	-Kanal Portowy Entrance, S. side.	54° 32.1' N 18° 32.9' E	Iso.R. period 2s	23 7	2	Red cylindrical structure.	Synchronized with 6796.
6796 C 3026	--Portowy, entrance, N. mole, head.	54° 32.1' N 18° 32.9' E	Iso.G. period 2s	23 7	2	Green cylindrical structure.	Synchronized with 6792.
6800 C 3028	-Basin No 4.	54° 32.0' N 18° 32.3' E	Oc.G. period 5s lt. 3s, ec. 2s	24 7	1	Green pole.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
POLAND-BALTIC SEA							
6804 C 3029	--No 5.	54° 32.1' N 18° 32.1' E	Oc.R. period 5s lt. 3s, ec. 2s	23 7	1	Red pole.	
6806 C 3030.1	--Basin No 5, Ro Ro.	54° 32.0' N 18° 31.6' E	Fl.Or. period 4s fl. 1s, ec. 3s	23 7	1	Gray cylindrical steel post.	
6808 C 3029.2	--Yugoslav Quay, E. corner.	54° 32.2' N 18° 31.9' E	Oc.G. period 5s lt. 3s, ec. 2s	23 7	1	Green pole.	
6810 C 3031	-Jugoslavian Wharf, NW. corner.	54° 32.2' N 18° 31.8' E	Fl.R. period 4s fl. 1s, ec. 3s	23 7		Gray round steel post.	
6818 C 3018.5	-Jetty, head.	54° 32.3' N 18° 33.2' E	Iso.W. period 2s	20 6	2	Framework tower, lantern.	
6820 C 3020	-Basin No 10, E. side of entrance.	54° 32.4' N 18° 33.3' E	Q.G.	20 6		Black framework tower.	
6824 C 3020.2	--W. side of entrance.	54° 32.4' N 18° 33.2' E	Q.R.	20 6		Black framework tower.	
6826 C 3020.3	--Inner mole.	54° 32.5' N 18° 33.4' E	Iso.W. period 2s	13 4	2	Post.	
6828 C 3019	-Basin No 11.	54° 32.4' N 18° 33.5' E	Oc.G. period 3s lt. 2s, ec. 1s	20 6		Black framework tower.	
6832 C 3019.2	--W. side of entrance.	54° 32.4' N 18° 33.4' E	Oc.R. period 3s lt. 2s, ec. 1s	20 6		Black framework tower.	
GULF OF DANZIG:							
6839 C 3045.8	-NW. pipeline, head.	54° 27.2' N 18° 34.3' E	Iso.Y. period 2s	16 5	2	Metal post, yellow platform.	Marks waste pipe outlet.
6840 C 3048	-Sopot, pier, head.	54° 26.9' N 18° 34.7' E	Fl.Y. period 5s fl. 1s, ec. 4s	20 6	4	Yellow pole.	
6844 C 3046	-Sopot.	54° 26.7' N 18° 34.2' E	Fl.W. period 4s fl. 0.3s, ec. 3.7s	82 25	7	White tower.	Visible 192°30'-307°30'.
6846 C 3047.4	--S. breakwater, head.	54° 26.8' N 18° 34.7' E	Fl.R. period 6s fl. 1.5s, ec. 4.5s	23 7	4	Red steel post.	
6848 C 3047.5	--E. breakwater, head.	54° 26.8' N 18° 34.8' E	Fl.G. period 6s fl. 1.5s, ec. 4.5s	23 7	4	Green steel post.	
6850 C 3049	-SE. pipeline head.	54° 26.2' N 18° 35.2' E	Fl.Or. period 5s fl. 1s, ec. 4s	16 5	2	Orange round dolphin, gallery.	Marks waste pipe outlet.
6860 C 3062	--Brzezno Gdanskie (Outer) Range, front.	54° 24.5' N 18° 38.4' E	Iso.Or. period 5s	75 23	13	White framework tower, white triangular daymark point up, red border; 79.	
6864 C 3062.1	---Rear, 330 meters 196° from front.	54° 24.3' N 18° 38.3' E	Iso.Or. period 5s	103 31	13	Black framework tower, triangular daymark point down.	Synchronized with front.
6868 C 3064	--Inner Range, front.	54° 24.6' N 18° 39.8' E	Oc.G. period 5s lt. 3s, ec. 2s	75 23	8	White beacon, two white triangular daymarks point up, red border.	Range 3M by day.
6872 C 3064.1	---Rear, 370 meters 147°42' from front.	54° 24.5' N 18° 40.0' E	Oc.G. period 5s lt. 3s, ec. 2s	116 35	8	Gray-black beacon, black triangular daymark point down.	Range 5M by day.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
POLAND-BALTIC SEA							
-Nowy Port (Neufahrwasser):							
6876 <i>C 3068</i>	--E. breakwater, head.	54° 25.0' N 18° 39.5' E	L.F.I.R. period 6s fl. 2s, ec. 4s	44 13	7	Red tower.	
6880 <i>C 3066</i>	--W. breakwater, head.	54° 24.7' N 18° 39.5' E	L.F.I.G. period 6s fl. 2s, ec. 4s	43 13	8	Green tower.	
6900 <i>C 3072.5</i>	--Across channel from Harbor Office.	54° 24.1' N 18° 40.9' E	F.Or.	31 9	1	Yellow post.	
6908 <i>C 3074</i>	--N. side of entrance to coal harbor.	54° 23.5' N 18° 40.3' E	F.R.	26 8	2	Red pole.	
6912 <i>C 3074.1</i>	--S. side of entrance to coal harbor.	54° 23.3' N 18° 40.2' E	F.G.	26 8	2	Green pole.	
6928 <i>C 3076.3</i>	--Entrance to Holmbecken I, NW. point.	54° 22.8' N 18° 39.5' E	Fl.R. period 4s fl. 1s, ec. 3s	26 8	2	Red framework tower.	
6952 <i>C 3081.02</i>	-Entrance Range, front.	54° 23.8' N 18° 42.2' E	Oc.Or. period 5s lt. 3s, ec. 2s	66 20	7	Gray metal framework tower.	Range 4M by day.
6952.1 <i>C 3081.03</i>	--Rear, 900 meters 253°36' from front.	54° 23.7' N 18° 41.4' E	Oc.Or. period 5s lt. 3s, ec. 2s	148 45	7	Gray metal framework tower.	Range 4M by day.
6954 <i>C 3081.21</i>	-Head of N. breakwater.	54° 24.2' N 18° 43.9' E	Iso.G. period 5s	39 12	6	Green four-sided concrete tower.	
6956 <i>C 3081.26</i>	--N. corner.	54° 24.5' N 18° 43.1' E	Oc.Y. period 4s lt. 3s, ec. 1s	23 7	3	Yellow pole.	
6958 <i>C 3081.22</i>	-N. breakwater, spar, head.	54° 24.3' N 18° 43.5' E	Oc.G. period 4s lt. 3s, ec. 1s	30 9	4	Green post.	
6960 <i>C 3081.2</i>	-Liquid fuel basin No 1 entrance, S. side.	54° 24.3' N 18° 43.4' E	Oc.R. period 4s lt. 3s, ec. 1s	30 9	4	Red post.	
6961 <i>C 3081.28</i>	-Liquid fuel basin No 2 entrance, N. side.	54° 24.2' N 18° 43.3' E	Iso.G. period 6s	30 9	4	Green post, gallery.	
6961.5 <i>C 3081.31</i>	-S. entrance pier, head.	54° 24.1' N 18° 43.2' E	Fl.(2)W. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	16 5	3	Gray post, gallery.	Fl.Y. 6s 6m 2M 315m W marks oil barrier under construction (T) 2015.
6962 <i>C 3081.5</i>	-Detached breakwater, N. head.	54° 23.9' N 18° 43.5' E	Iso.R. period 5s	39 12	6	Red four-sided concrete tower.	
6964 <i>C 3081.4</i>	-Pomost Rudowy.	54° 23.6' N 18° 43.0' E	Fl.Y. period 5s fl. 1s, ec. 4s	30 9	2	White pole.	
6966 <i>C 3081.33</i>	-Coal pier, head.	54° 24.0' N 18° 42.6' E	Oc.Y. period 3s	30 9	4	White dolphin.	
6968 <i>C 3080.8</i>	-Harbor Master Office.	54° 24.0' N 18° 41.8' E	Fl.(3)W. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	52 16	25	Blue four-sided tower, white glass gallery.	Visible 140°-320°. Reserve light range 16M.
6970 <i>C 3081.9</i>	W. breakwater, head.	54° 22.4' N 18° 46.6' E	Fl.(2)G. period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	30 9	6	Green round tower, gallery.	
6972 <i>C 3082</i>	-E. breakwater, head.	54° 22.5' N 18° 46.7' E	Fl.(2)R. period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	36 11	6	Red round tower, gallery.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
POLAND-BALTIC SEA							
6974 <i>C 3082.2</i>	--W. bank.	54° 22.1' N 18° 46.8' E	L.Fl.Or. period 6s fl. 2s, ec. 4s	23 7	2	Green framework tower.	
6980 <i>C 3082.4</i>	-Gdansk-Wschod.	54° 22.4' N 18° 52.2' E	Fl.Y. period 4s fl. 1s, ec. 3s	20 6	3	Yellow dolphin.	Marks outfall pipe. AIS (MMSI No 992611500).
6995 <i>C 3087</i>	-Mierzeja Wislana, W.	54° 20.9' N 19° 06.8' E	Fl.Y. period 3s fl. 0.5s, ec. 2.5s	13 4	3		
6996 <i>C 3090</i>	Krynica Morska.	54° 23.1' N 19° 27.0' E	L.Fl.(2)W. period 12s fl. 2s, ec. 2s fl. 2s, ec. 6s	174 53	18	Red round tower, white gallery.	Reserve light range 10M.
GULF OF DANZIG:							
6998 <i>C 3091</i>	-Mierzeja Wislana.	54° 24.3' N 19° 30.5' E	Aero Q.W.	289 88		Gray four-sided framework tower; 262.	
7036 <i>C 3251</i>	--Piaski Range, front.	54° 25.9' N 19° 36.1' E	Fl.R. period 5s fl. 1s, ec. 4s	20 6	2	Red pipe structure, white triangular daymark point up, red border.	
7040 <i>C 3251.1</i>	---Rear, 145 meters 304° from front.	54° 25.8' N 19° 36.0' E	Fl.R. period 5s fl. 1s, ec. 4s	46 14	2	Red pipe structure, white triangular daymark point down, red border.	
7048 <i>C 3095</i>	-Boundary Line Range, front.	54° 27.5' N 19° 38.4' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	85 26	13	White four-sided framework tower, black stripe; 62.	Visible 130°36'-142°36'. Marks boundary between Poland and Russia.
7052 <i>C 3095.1</i>	--Rear, 574 meters 136°36' from front.	54° 27.2' N 19° 38.8' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	144 44	15	White four-sided framework tower, black stripe; 72.	Visible 130°36'-142°36'. Synchronized with front.
RUSSIA-BALTIC SEA							
GULF OF DANZIG:							
-Baltiysk, Vislinskiy Zaliv:							
7056 <i>C 3096</i>	--Gross Brukh.	54° 31.4' N 19° 44.6' E	Fl.W. period 4s fl. 1.5s, ec. 2.5s	163 50	10	Black and white metal framework tower; 95.	
7060 <i>C 3100</i>	--Entrance Range, front.	54° 38.6' N 19° 53.0' E	Oc.W. period 12s lt. 9s, ec. 3s	39 12	12	Red metal framework tower, white square and trapezoid daymarks, black stripe; 69.	Visible 116°06'-128°06'. Shown 24 hours. Pilot signal. Storm signals. Traffic signals.
7064 <i>C 3100.1</i>	---Rear, 770 meters 122°06' from front.	54° 38.3' N 19° 53.6' E	Oc.W. period 12s lt. 9s, ec. 3s	97 30	16	White round tower, red top, two galleries; 98.	Visible 265°-190° Shown 24 hours. Synchronized with front.
7114 <i>C 3255</i>	Obzorny.	54° 49.7' N 19° 57.2' E	L.Fl.W. period 5s fl. 2s, ec. 3s	177 54	20	Orange round tower, white bands, triangular daymark point up; 72.	Reserve light range 9M.
7116 <i>C 3256</i>	Mys Taran.	54° 57.6' N 19° 58.8' E	Oc.(3)W. period 15s lt. 3s, ec. 1.5s lt. 3s, ec. 1.5s lt. 3s, ec. 3s	180 55	21	Red octagonal tower, dwelling; 98.	Storm signals. Reserve light Iso.W. 4s 13M. Shown in reduced visibility. Horn: Mo.(A) ev. 15s. Radiobeacon.
PIONERSKIY:							
7119 <i>C 3257</i>	-Pionerskiy Range, front.	54° 57.3' N 20° 13.3' E	Iso.R. period 4s	95 29	7	Four-sided framework tower, white rectangular daymark, black stripe; 66.	Visible on range line only. Reserve light range 7M.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
RUSSIA-BALTIC SEA							
7119.1 C 3257.1	--Rear, 260 meters 175°30' from front.	54° 57.1' N 20° 13.3' E	Iso.R. period 4s	131 40	7	Four-sided framework tower, white rectangular daymark, black stripe; 52.	Visible 303°-029°. Reserve light range 7M.
7120 C 3259.6	-Inner Mole Spur.	54° 57.0' N 20° 13.0' E	Fl.G. period 3s fl. 1s, ec. 2s	23 7	1	Green column, white bands; 16.	
7123 C 3258	-N. mole, head.	54° 57.6' N 20° 13.0' E	Fl.Y. period 4s fl. 1s, ec. 3s	39 12	4	Red square metal framework tower; 26.	
7124 C 3259.5	-S. mole, head.	54° 57.5' N 20° 13.0' E	Fl.R. period 3s fl. 1s, ec. 2s	23 7	1	Red column, white bands; 16.	
7128 C 3262	Mys Gvardeyskiy.	54° 57.5' N 20° 16.1' E	Fl.W. period 4s fl. 1s, ec. 3s	164 50	18	Framework tower, black and white rectangular daymark; 131.	
7130 C 3270	Lesnoy.	55° 01.0' N 20° 36.8' E	Fl.(2)W. period 9s fl. 1s, ec. 2s fl. 1s, ec. 5s	144 44	17	Four-sided framework tower, red rectangular daymark, white band; 131.	Reserve light range 9M.
KURSHSKIY ZALIV:							
7132 C 3277	-Rybackiy.	55° 10.2' N 20° 50.6' E	Mo.(A)W. period 6s fl. 0.5s, ec. 1.5s fl. 2s, ec. 2s	180 55	18	Red and white four-sided truncated pyramid, platform; 79.	Reserve light range 9M.
SWEDEN-SOUTHEAST COAST							
7136 C 7592	Skillinge Range, front.	55° 28.4' N 14° 17.0' E	Fl.(2)W.R.G. period 6s	18 5	W. 9 R. 6 G. 5	Post, red triangular daymark point down.	G. 247°18'-286°54', W.-293°12, R.-346°54.
7140 C 7592.1	--Rear, 90 meters 290° from front.	55° 28.4' N 14° 17.0' E	Fl.(2)W. period 6s	29 9	9	Mast, red triangular daymark point down.	Visible on range line only. Synchronized with front.
7144 C 7588	Brantevik Range, front.	55° 30.8' N 14° 21.0' E	F.R.	22 7		Post.	Fishing light.
7148 C 7588.1	--Rear, 85 meters 253° from front.	55° 30.7' N 14° 21.0' E	F.R.	35 11		Post.	Fishing light.
7152 C 7582	-Simrishamn.	55° 33.4' N 14° 21.6' E	Iso.W.R.G. period 6s	52 16	W. 13 R. 11 G. 9	White tower; 49.	G. 150-159°24', W.-222°06', G.-237°42, W.-279°24', R.-285°, W.-357°06', R.-010°.
7156 C 7586	-Simrislund Range, front.	55° 32.0' N 14° 22.0' E	F.R.	16 5		White triangular daymark point up, red border.	
7160 C 7586.1	--Rear, 35 meters 293° from front.	55° 32.0' N 14° 21.5' E	F.R.	24 7		White triangular daymark point down, red border.	
7164 C 7584	-Range, front, on W. pier.	55° 33.5' N 14° 21.3' E	Q.R.	34 10	9	Metal framework tower, red triangular daymark point up.	Visible on range line only.
7168 C 7584.1	--Rear, 105 meters 249°30' from front.	55° 33.5' N 14° 21.1' E	Q.R.	41 12	9	Metal framework tower, red triangular daymark point down.	Visible on range line only. Synchronized with front.
7176 C 7578	Baskemolla Range, front.	55° 35.6' N 14° 18.9' E	F.R.	19 6		Wooden post.	Fishing light.
7180 C 7578.1	--Rear, 56 meters 195° from front.	55° 35.7' N 14° 19.1' E	F.R.	36 11		Wooden post.	Fishing light.
7184 C 7574	Kivik Range, front.	55° 41.3' N 14° 13.6' E	F.R.	19 6		Mast, white triangular daymark point up.	Fishing light. Occasional.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-SOUTHEAST COAST							
7188 C 7574.1	-Rear, 50 meters 214° from front.	55° 41.3' N 14° 13.8' E	F.R.		29 9	Mast, white triangular daymark point down.	Fishing light. Occasional.
7192 C 7573	Vitemolla Range, front.	55° 41.9' N 14° 12.5' E	F.G.		21 6	Post.	Fishing light.
7196 C 7573.1	-Rear, 80 meters 210° from front.	55° 41.9' N 14° 12.8' E	F.G.		33 10	Post.	Fishing light.
7198 C 7572.6	Gropahalet, N. breakwater.	55° 51.4' N 14° 14.3' E	Fl.G. period 3s		10 3	2 Post.	
7199 C 7572.62	-S. breakwater.	55° 51.5' N 14° 14.3' E	Fl.R. period 3s		10 3	2 Post.	
7200 C 7572.7	Yngsjo Range, front.	55° 51.6' N 14° 13.5' E	F.R.		23 7	5 Mast.	
7204 C 7572.8	-Rear, 75 meters 286° from front.	55° 51.6' N 14° 14.6' E	F.R.		36 11	5 Mast.	
AHUS:							
7208 C 7568	-Baloren Range, front.	55° 56.7' N 14° 20.4' E	Q.W.		20 6	11 White framework tower, red triangular daymark point up.	Visible on range line only.
7212 C 7568.1	--Rear, 830 meters 289°30' from front.	55° 56.8' N 14° 19.6' E	Oc.W.R.G. period 5s		52 16	W. 14 White framework tower, red triangular daymark point down. R. 12 G. 10	R. 276°42'-279°48', G.-288°30', W.-290°30', R.-310°06', G.-316°54', R.-000°.
7216 C 7570	-Revhaken Range, front.	55° 55.1' N 14° 20.2' E	Iso.W. period 3s		23 7	6 Framework tower, red triangular daymark point up.	Visible on range line only.
7220 C 7570.1	--Rear, 550 meters 254°24' from front.	55° 55.0' N 14° 19.7' E	Q.W.		46 14	7 Framework tower, red triangular daymark point down.	Visible on range line only.
7222 C 7572.3	-Ahus Range, front.	55° 55.7' N 14° 19.3' E	Q.R.		115 35	12 Framework tower, red triangular daymark point up.	
7222.1 C 7572.31	--Rear, 265 meters 275°18' from front.	55° 55.7' N 14° 19.0' E	Q.R.		164 50	12 Silo, red triangular daymark point down.	
7240 C 7564	Lagerholmen.	55° 57.9' N 14° 28.2' E	Fl.W.R.G. period 5s fl. 1s, ec. 4s		56 17	W. 9 White concrete tower; 56. R. 6 G. 5	R. 359°54'-034°42', G.-055°36', W.-084°54', R.-114°06', G.-144°06', W.-148°06', R.-192°06', G.-196°06', W.-198°18', R.-269°54', G.-289°18', W.-359°54'.
7252 C 7559.6	Herrmans Heja Range, front.	56° 02.2' N 14° 33.1' E	F.G.		16 5	2 Post, red triangular daymark point up.	
7256 C 7559.61	-Rear, 95 meters 108° from front.	56° 02.2' N 14° 33.3' E	F.G.		26 8	2 Post, red triangular daymark point down.	
7260	Taggen Buoy.	55° 53.7' N 14° 35.0' E	Q.(3)W. period 10s			E. CARDINAL BYB, pillar, topmark.	
SOLVESBORG:							
7264 C 7552	-Tunoren.	56° 00.1' N 14° 32.1' E	Iso.W.R.G. period 4s		30 9	W. 7 White framework tower. R. 5 G. 4	G. 204°06'-308°30', W.-318°30', R.-356°18', G.-118°42', W.-131°18', R.-204°06'. F.R. fishing lights in line 349°, shown on Tostebergaudd.
7268 C 7553	-Range, front.	56° 02.0' N 14° 35.2' E	Oc.W. period 6s lt. 4.5s, ec. 1.5s		23 7	10 White framework tower, red diamond daymark.	Visible on range line only.
7272 C 7553.1	--Rear, about 1.2 km. 026° from front.	56° 02.6' N 14° 35.7' E	Q.W.		56 17	14 White framework tower, red diamond daymark.	Visible on range line only.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-SOUTHEAST COAST							
7276 C 7556	-Radmansholm Range, front.	56° 03.0' N 14° 36.0' E	Iso.G. period 4s	13 4	6	White framework tower, red triangular daymark point up.	Visible on range line only.
7280 C 7556.1	--Rear, 175 meters 019° from front.	56° 02.8' N 14° 35.6' E	Q.G.	23 7	5	White framework tower, red triangular daymark point down.	Visible on range line only.
7284 C 7551	Torso Range, front.	56° 00.0' N 14° 39.0' E	F.R.	14 4	3	Post.	Fishing light. Shown Sep. 1 to Apr. 30, when local fishing boats are at sea.
7288 C 7551.1	-Rear, 25 meters 346°30' from front.	56° 00.0' N 14° 39.1' E	F.R.	26 8	3	Post.	Fishing light.
7292 C 7551.6	Sillnasudde.	55° 59.8' N 14° 36.7' E	Fl.(2)W.R.G. period 6s	39 12	W. 8 R. 6 G. 5	Red tower, white top; 36.	R. 225-303°48', G.-314°54', W.-005°48', R.-016°54', G.-056°06', R.-078°54', G.-180°.
7296 C 7548	Hallevik.	56° 00.8' N 14° 42.2' E	Iso.W.R.G. period 8s	26 8	W. 6 R. 4 G. 3	White concrete tower, lantern; 23.	G. 290°-016°30', W.-024°, R.- 040.
7300 C 7550	-S. breakwater, head.	56° 00.5' N 14° 42.0' E	Fl.(3)W.R.G. period 6s	29 9	W. 9 R. 6 G. 5	White metal framework tower; 23.	G. 000°-013°30', W.-024°, R.- 043°, W.-223°.
NOGERSUND:							
7304 C 7544	-E. breakwater, head.	56° 00.1' N 14° 44.1' E	F.G.	17 5	2	White mast.	
7308 C 7546	-Range, on W. breakwater, front.	56° 00.2' N 14° 44.1' E	F.R.	23 7	8	White framework tower, red triangular daymark point up.	Visible on range line only.
7312 C 7546.1	--Rear, 87 meters 008° from front.	56° 00.3' N 14° 44.1' E	F.R.	39 12	10	White framework tower, red triangular daymark point down.	Visible on range line only.
7316 C 7538	Hano.	56° 00.8' N 14° 50.8' E	Fl.(3)W. period 12s	231 70	24	White concrete tower; 52.	
7320 C 7540.4	-S. breakwater, head.	56° 00.6' N 14° 50.0' E	F.G.	13 4	2	Lantern.	
7324 C 7536	Bonsacken.	56° 01.1' N 14° 50.1' E	Fl.(2)W.R.G. period 6s	36 11	W. 9 R. 6 G. 5	Gray framework tower.	G. 000°06'-020°06', W.- 054°12', R.-133°54', G.- 149°54', W.-239°, R.- 255°06', G.-268°12'.
7328 C 7540	Hano Hamn Range, front.	56° 01.0' N 14° 50.0' E	F.R.	21 6	3	Post, red triangular daymark point up.	Fishing light.
7332 C 7540.1	-Rear, 140 meters 129° from front.	56° 00.6' N 14° 50.2' E	F.R.	31 9	3	Post, red triangular daymark point down.	Fishing light.
7336 C 7541	Hano Range, front.	56° 00.8' N 14° 50.1' E	F.G.	37 11	7	Post, red round daymark, white border.	Visible on range line only. Marks power cable.
7340 C 7541.1	-Rear, 390 meters 122°30' from front.	56° 00.8' N 14° 50.5' E	F.G.	85 26	7	Post, red round and diamond daymarks, white border.	Visible on range line only.
7344 C 7535	Listershuvud Range, front.	56° 02.0' N 14° 46.8' E	F.G.	62 19	7	Mast, white triangular daymark point up, red border.	Visible on range line only. Marks power cable.
7348 C 7535.1	-Rear, 185 meters 302°30' from front.	56° 02.0' N 14° 46.7' E	F.G.	95 29	7	Mast, white triangular daymark point down, red border.	Visible on range line only.
7352 C 7534	Listershuvud, E. point.	56° 02.1' N 14° 46.8' E	Fl.(4)W.R.G. period 12s	38 12	W. 9 R. 6 G. 5	White lantern.	G. 152°-194°18', W.-207°42', R.-229°, G.-246°54', W.- 274°18', R.-286°, G.- 319°, W.-349°30', R.- 004°, G.-017°.
7356 C 7530	Krokas Range, front.	56° 03.0' N 14° 46.0' E	F.R.	31 9		Post.	Fishing light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-SOUTHEAST COAST							
7360 C 7530.1	-Rear, 90 meters 256° from front.	56° 03.0' N 14° 45.3' E	F.R.		46 14	Post.	Fishing light.
7364 C 7532	Horvik.	56° 02.6' N 14° 46.1' E	Fl.W.R.G. period 2s		21 6	W. 5 R. 3 G. 2	White framework tower . W. 304°-101°, R.-167°42', G.-194°42', W.-204°12', R.-281°30'.
7372 C 7528	Lorby Kladd.	56° 06.0' N 14° 42.9' E	Fl.W.R.G. period 4s		21 6	W. 6 R. 4 G. 3	Lantern, gray base. W. 170°-243°, R.-249°, G.-287°. Fishing light. Shown Apr. 1 to Sep. 30.
7376 C 7527.7	Norje Range, front.	56° 07.2' N 14° 42.2' E	F.R.		22 7	8 Post, white triangular daymark point up, black border.	Occasional.
7380 C 7527.71	-Rear, 375 meters 272° from front.	56° 07.2' N 14° 41.7' E	F.R.		46 14	8 Post, white triangular daymark point down, black border.	Occasional.
7382 C 7527.8	Ljungholmen Range, front.	56° 09.3' N 14° 43.8' E	F.G.		20 6	6 Post, white triangular daymark point up, orange border.	Occasional.
7382.1 C 7527.81	-Rear, 100 meters 008°42' from front.	56° 09.3' N 14° 43.8' E	F.G.		36 11	6 Post, white triangular daymark point down, orange border.	Occasional.
7384 C 7527.6	Skapehale.	56° 09.3' N 14° 44.3' E	F.R.		20 6	3 Post, orange square daymark.	Fishing light. Shown Mar. 1 to Sep. 15.
KARLSHALL:							
7392 C 7527.1	-Gunnon.	56° 09.0' N 14° 46.5' E	Iso.W.R.G. period 4s		37 11	W. 14 R. 11 G. 10	White column, red bands, red and white triangular daymark point down. G. 273°54'-294°42', R.-305°54', G.-323°12', W.-326°48', R.-339°48', G.-032°42', R.-054°. Partially obscured on bearing 302°. Marks approach range on bearing 324°36'.
7396 C 7527.3	-Stileryd Range, front.	56° 09.6' N 14° 48.8' E	F.G.		26 8	7 Pole, orange triangular daymark point up, white border.	
7400 C 7527.31	--Rear, 132 meters 346°12' from front.	56° 09.7' N 14° 48.7' E	F.G.		49 15	7 Pole, orange triangular daymark point down, white border.	
7404 C 7527.2	-Kolo Range, front.	56° 09.3' N 14° 49.4' E	Oc.W.R.G. period 6s lt. 4s, ec. 2s		28 9	W. 13 R. 10 G. 9	Metal column, orange triangular daymark point up, red border. R. 353°-003°, G.-005°24', W.-012°18', R.-016°, G.-052°, R.-103°.
7408 C 7527.21	--Rear, 347 meters 009°54' from front.	56° 09.5' N 14° 49.5' E	Q.W.		56 17	13 Metal column, orange triangular daymark point down, red border.	Shown 24 hours Nov. 1 to Mar. 31.
7412 C 7514	Tarno.	56° 06.8' N 14° 58.3' E	Oc.W.R.G. period 10s		102 31	W. 13 R. 10 G. 9	White lantern. G. 239°48'-276°54', W.-354°, R.-026°12', G.-040°54', W.-043°24', R.-098°, G.-135°24'. Shown by day during poor visibility Nov. 1 to Mar. 31.
7416 C 7516	Tarno Ostra.	56° 07.4' N 14° 58.9' E	F.W.R.G.		16 5	W. 7 R. 5 G. 4	White lantern. R. (unintensified) 085°-099°, G. (unintensified)-129°, R. (unintensified)-142°, G. (unintensified)-175°, R. (unintensified)-179°, G. (unintensified)-262°, G.-291°, W.-333°, R.-352°. Fishing light.
7420 C 7512	Vitaskar.	56° 08.4' N 15° 06.0' E	Q.W.R.G.		24 7	W. 6 R. 4 G. 3	White lantern. G. 121°54'-335°36', W.-351°54', R.-121°54'. Fishing light.
KARLSHAMN:							
7424 C 7519	-Ortholmen.	56° 09.3' N 14° 52.5' E	Fl.W.R.G. period 3s		19 6	W. 11 R. 8 G. 7	White lantern. G. 323°-336°24', W.-358°54', R.-013°, G.-143°, W.-149°, R.-163°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-SOUTHEAST COAST							
7426 C 7518	-Vagga.	56° 09.3' N 14° 53.1' E	Fl.(2)W.R.G. period 4s	11 3	W. 8 R. 6 G. 5	White framework tower.	G. 337°54'-344°12', W.- 354°12', R.-000°18', W. (unintensified)-000°18'. Fishing light. Shown Jul. 15 to May 15.
7428 C 7517	-Vagga Sodra.	56° 09.1' N 14° 53.1' E	Fl.(3)W.R.G. period 9s	18 5	W. 6 R. 4 G. 3	White mast.	R. 009°-120°, W.-224°, R.- 309°, G.-348°, W.-009°.
7432 C 7520	-On quay Range, front.	56° 09.8' N 14° 52.0' E	Iso.R. period 2s	33 10		Building, red triangular daymark point up, white border.	Visible on range line only.
7436 C 7520.1	--Rear, about 270 meters 339° from front.	56° 10.0' N 14° 51.9' E	Iso.R. period 4s	49 15		Framework tower, red triangular daymark point down, white border.	Visible on range line only.
7440 C 7524	-Sutudden Range, front.	56° 09.5' N 14° 51.6' E	Iso.G. period 3s	59 18		Mast, orange triangular daymark point up.	Visible on range line only.
7444 C 7524.1	--Rear, 410 meters 318° from front.	56° 09.6' N 14° 51.4' E	Q.G.	121 37		Mast, orange triangular daymark point down.	Visible on range line only.
7448 C 7525	-Sutudden pier, head.	56° 09.5' N 14° 51.7' E	F.R.	20 6		Post.	
7452 C 7526	-Vindhavn Range, front.	56° 09.0' N 14° 51.0' E	F.R.	46 14		Orange triangular daymark point up.	Visible on range line only.
7456 C 7526.1	--Rear, 60 meters 206°30' from front.	56° 08.7' N 14° 15.1' E	F.R.	56 17		Orange triangular daymark point down.	Visible on range line only.
7460 C 7527	-Kastellet pier, head.	56° 09.5' N 14° 51.8' E	F.G.	19 6		Post.	
7464 C 7510	Saltarna.	56° 08.7' N 15° 10.5' E	Fl.(3)W.R.G. period 9s	23 7	W. 6 R. 4 G. 3	White lantern.	G. 348°06'-001°48', W.-017°, R.-028°54'.
RONNEBY APPROACH:							
7468 C 7490	-Gasfeten, Ronneby, W. entrance.	56° 07.3' N 15° 13.4' E	L.Fl.(2)W.R.G. period 15s	39 12	W. 9 R. 7 G. 6	White tower, red roof; 33.	R. 267°06'-297°, G.-000°48', W.-047°18', R.-198°. Radar reflector.
RACON							(3 & 10cm).
7469 C 7487	Tving AVIATION LIGHT.	56° 17.0' N 15° 30.0' E	Q.W.	791 241	21		
7472 C 7492	- Saxemara Range, front.	56° 09.2' N 15° 14.2' E	Iso.W. period 4s	12 4	15	Brown and white lantern.	
7476 C 7492.1	--Rear, 1.2 kilometers 018°30' from front.	56° 09.8' N 15° 14.5' E	Q.W.	34 10	11	Brown and white lantern, two red bands.	
7480 C 7494	-Svanvik Range, front.	56° 09.4' N 15° 14.8' E	Iso.R. period 4s	15 5	5	Orange pedestal, red and orange triangular daymark, point up.	
7484 C 7494.1	--Rear, 550 meters 029°30' from front.	56° 09.6' N 15° 15.1' E	Q.R.	33 10	4	Orange pedestal, red triangular daymark point down.	
7488 C 7495	-Svaniksudde, SE. point of Funko.	56° 09.3' N 15° 14.7' E	Fl.W.R.G. period 3s	13 4	W. 6 R. 4 G. 4	Gray framework tower.	G. 260°12'-266°36', W.- 268°54', R.-275°12'.
7492 C 7498	-Steko, S. part.	56° 09.5' N 15° 16.1' E	Fl.W.R.G. period 3s	14 4	W. 7 R. 4 G. 4	Orange pedestal, white diamond daymark.	G. 050°48'-064°30', W.- 067°30', R.-081°.
7495 C 7489	-Gokalv Range, front.	56° 08.3' N 15° 16.9' E	Fl.(2)R. period 4s	20 6	2	Framework tower, red triangular daymark point up.	
7495.1 C 7489.1	--Rear, 358°30' from front.	56° 08.4' N 15° 16.9' E	Fl.R. period 2s	33 10	2	Framework tower, red triangular daymark point down.	

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SWEDEN-SOUTHEAST COAST							
7497 C 7489.5	-Hogaskar.	56° 08.7' N 15° 16.1' E	Q.W.R.G.	26	3	Mast.	G. 323°-329°, W.-331°, R.-337°.
7504 C 7504	-Sandviken.	56° 10.4' N 15° 18.4' E	Fl.(4)W.R.G. period 12s	17	W. 7 R. 5 G. 5	Orange pedestal, white diamond daymark.	G. 014°30'-029°48', W.-032°06', R.-036°48'.
7508 C 7506	-Ronneby Range, front.	56° 10.6' N 15° 18.1' E	FR.	46		Post, red triangular daymark point up.	
7512 C 7506.1	--Rear, 150 meters 358° from front.	56° 10.7' N 15° 18.1' E	FR.	59		Post, red triangular daymark point down.	
7516 C 7488	Millegarne.	56° 07.7' N 15° 19.3' E	Fl.W.R.G. period 3s	26	W. 9 R. 7 G. 6	Framework tower, white rectangular daymark.	R. 310°-316°, G.-011°, W.-026°, R.-060°, R. (unintensified)-110°, W. (unintensified)-170°. Fishing light.
7520 C 7453.2	Ronneskar.	56° 07.7' N 15° 23.0' E	I.V.Q.W.R.G. period 6s	30	W. 6 R. 4 G. 3	White tower; 26.	R. (unintensified) 196°36'-205°30', G. (unintensified)-212°18', R. (unintensified)-239°36', G. (unintensified)-252°12', R. (unintensified)-290°, R.-296°18', G.-351°42', W.-013°54', R.-043°24'.
KARLSKRONA APPROACH:							
7524 C 7453.6	-Kasaskar Range, front.	56° 06.6' N 15° 25.7' E	Iso.W. period 4s	16	5	White pedestal, lantern.	Fishing light.
7528 C 7453.7	--Rear, 500 meters 355°30' from front.	56° 06.9' N 15° 25.6' E	Q.W.	33	6	Mast.	Fishing light.
7532 C 7455	-Hasslo.	56° 06.8' N 15° 26.3' E	F.W.R.G.		W. 5 R. 3 G. 3	White lantern.	G. 000°-040°, W.-045°, R.-060°. Fishing light.
7536 C 7453.4	-Asla.	56° 05.7' N 15° 25.6' E	Fl.(3)W.R.G. period 9s	19	W. 6 R. 4 G. 3	White lantern.	R. 282°-299°, G.-328°, W.-025°, R.-097°, G.-116°, R.-197°. Fishing light. Shown Jul. 15 to May 15.
7540 C 7452.6	-Bollo.	56° 05.5' N 15° 29.0' E	L.Fl.W.R.G. period 10s fl. 2s, ec. 8s	29	W. 7 R. 5 G. 4	Framework tower, white rectangular daymark.	G. 313°-349°, W.-009°, R.-075°, G.-090°, G. (unintensified)-155°, W. (unintensified)-268°, R.-313°. Fishing light.
7544 C 7454	-Ronnfjardsleden Range, front.	56° 06.0' N 15° 28.5' E	Oc.R. period 3s	27	6	Post, red triangular daymark point up.	
7548 C 7454.1	--Rear, 250 meters 343° from front.	56° 06.2' N 15° 28.4' E	Oc.R. period 3s	40	6	Post, red triangular daymark point down.	Synchronized with front.
7552 C 7454.3	-Garpaviken.	56° 06.1' N 15° 28.6' E	Q.W.	16	6	Post.	
7556 C 7460	-Stumholmen (Karlskrona) Range, front.	56° 09.5' N 15° 35.8' E	Iso.R. period 6s	72	16	White round concrete tower; 79.	
7560 C 7470	--Rear, 1.3 km. 012°30' from front.	56° 10.2' N 15° 36.1' E	Iso.R. period 3s	123	16	White round concrete tower; 49.	Shown 24 hours Nov. 1 to Mar. 31.
7564 C 7446	-Vastra Forsankningen.	56° 06.5' N 15° 34.5' E	Iso.R. period 2s	20	6	Red and white dolphin. Floodlit.	
	-RACON		K(- • -)		4		(3 & 10cm).
7566 C 7447	-Ostra Forsankningen.	56° 06.5' N 15° 34.9' E	Iso.G. period 2s	16	4	Floodlit.	
7568 C 7448	-Kungsholmen.	56° 06.6' N 15° 35.4' E	FR.G.	18	R. 6 G. 5	Framework tower. Floodlit.	R. 148°36'-205°06', G.-148°36'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-SOUTHEAST COAST							
7572 C 7449	-Godnatt, in Karlsdrona Road.	56° 08.5' N 15° 35.7' E	Fl.W.R.G. period 3s	65 20	W. 11 R. 8 G. 7	Gray fort.	G. 003°18'-013°48', W.-017°24', R.-028°, G.-055°48', R.-073°18', G.-079°24', W.-082°30', R.-125°54', G.-136°36', W.-139°12', R.-144°, G.-190°, R.-196°48', G.-233°54', W.-242°24', R.-301°42', G.-330°48', R.-003°18'. Shown 24 hours Nov. 1 to Mar. 31.
7576 C 7450	Bergaholmen.	56° 08.7' N 15° 33.2' E	Fl.(3)W.R.G. period 9s	20 6	W. 5 R. 4 G. 3	White pedestal, lantern.	G. 005°48'-047°12', W.-049°48', R.-070°48', G.-112°, R.-181°48', G.-251°30', R.-303°06', G.-328°18', W.-331°18', R.-005°48'.
7580 C 7452	-Saltohammar.	56° 09.6' N 15° 34.0' E	Q.W.R.G.	10 3	W. 8 R. 5 G. 4	Framework tower; 20.	G. 308°-320°12', R.-326°30', G.-011°42', W.-014°06', R.-028°42', G.-052°36', R.-121°.
7584 C 7450.5	-Aspeskar.	56° 08.5' N 15° 37.8' E	F.W.R.G.	19 6	W. 6 R. 4 G. 3	Post.	G. 304°-326°, W.-333°, R.-050°30', G.-072°, W.-126°, R.-140°. Occasional.
7588 C 7462	-Laboratoriehalm, at Karlskrona.	56° 09.7' N 15° 36.0' E	Iso.W.R.G. period 4s	35 11	W. 10 R. 7 G. 6	White tower; 36.	G. 125°18'-146°48', R.-159°48', G.-238°42', W.-245°36', R.-258°42', G.-281°06', W.-283°12', R.-313°30', G.-326°42', W.-339°06', R.-350°36'. Lighted daytime during poor visibility Nov. 1 to Mar. 31.
7592 C 7464	-Kofferdihammen Range, front.	56° 09.9' N 15° 35.7' E	Q.R.	33 10	7	Post.	Visible on range line only.
7596 C 7464.1	--Rear, 95 meters 300° from front.	56° 09.9' N 15° 38.5' E	Q.R.	42 13	7	Post.	Visible on range line only. Synchronized with front.
7600 C 7468	-Vamoviken Range, front, Vammoviken.	56° 10.2' N 15° 36.3' E	F.R.	13 4	7	White dolphin, red triangular daymark point up.	
7604 C 7468.1	--Rear, 172 meters 321° from front.	56° 10.2' N 15° 36.2' E	F.R.	23 7	7	Mast, red triangular daymark point down.	
7608 C 7472	-Oljehamn Range, front.	56° 10.1' N 15° 35.7' E	Iso.R. period 4s	10 3	7	Post, red triangular daymark point up.	
7612 C 7472.1	--Rear, 92 meters 279°30' from front.	56° 10.1' N 15° 35.6' E	Iso.R. period 4s	20 6	7	Mast, red triangular daymark point down.	
7616 C 7476	Verko, W. side.	56° 10.2' N 15° 37.8' E	Fl.(2)W.R.G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	27 8	W. 7 R. 5 G. 4	White framework tower, white rectangular daymark.	G. 017°06'-023°, W.-029°, R.-034°54'.
7620 C 7480	-Nattraby.	56° 11.3' N 15° 32.8' E	Fl.R. period 3s	7 2	8	Red frame framework tower, dolphin.	
7628 C 7451.7	Djupasund.	56° 06.4' N 15° 38.0' E	Oc.W.R.G. period 4s	23 7	W. 12 R. 9 G. 8	White pedestal.	G. 355°-011°36', W.-013°30', R.-035°.
7632 C 7451.4	Tjurko Range, front.	56° 06.2' N 15° 37.8' E	F.W.R.G.	23 7	W. 11 R. 8 G. 7	Post, white triangular daymark point up.	R. 219°30'-341°30', G.-007°30', W.-010°30', R.-139°30'. Fishing light.
7636 C 7451.5	--Rear, 120 meters 009° from front.	56° 06.3' N 15° 37.9' E	F.W.	49 15	11	Post, white triangular daymark point down.	Fishing light.
7640 C 7451	Ekenabbens Fiskehamn Range, front.	56° 06.1' N 15° 38.2' E	F.R.	26 8	2	Post, white triangular daymark point up.	Fishing light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-SOUTHEAST COAST							
7644 C 7451.1	-Rear, 60 meters 143° from front.	56° 06.0' N 15° 38.3' E	F.R.	25 8	2	Post, white triangular daymark point down.	Fishing light.
7648 C 7438.8	Flotjen.	56° 02.5' N 15° 46.0' E	Fl.W.R.G. period 3s	34 10	W. 6 R. 4 G. 3	White tower; 33.	R. 337°-009°30', G.-035°, W.-052°30', R.-111°, R. 180°-203°, G.-273°, R.-292°. Fishing light.
7652 C 7438.4	Flundrebaden.	56° 02.6' N 15° 46.6' E	Q.W.R.G.	21 6	W. 4 R. 3 G. 2	White pedestal, lantern.	R. 334°-355°, G.-062°, W.-069°, R.-105°, G.-174°, W.-178°, R.-261°. Fishing light.
7656 C 7438.9	Stenshamn Range, front.	56° 01.8' N 15° 46.7' E	F.R.	19 6			Fishing light.
7660 C 7438.91	-Rear, 200 meters 178° from front.	56° 01.7' N 15° 46.8' E	F.R.	33 10			Fishing light.
7664 C 7434	Langoren Range, front.	56° 03.9' N 15° 49.3' E	Iso.W. period 4s	15 5	7	Framework tower, white rectangular daymark.	Visible on range line only.
7668 C 7434.1	-Rear, 300 meters 307° from front.	56° 04.0' N 15° 49.0' E	Q.W.	25 8	6	Framework tower, white rectangular daymark.	
7672 C 7436	Hommenabben Range, front.	56° 03.7' N 15° 49.5' E	Iso.R. period 4s	15 5	5	Framework tower, red triangular daymark point up.	Visible on range line only.
7676 C 7436.1	-Rear, 375 meters 160° from front.	56° 03.5' N 15° 49.6' E	Fl.(3)W.R.G. period 9s	25 8	W. 6 R. 4 G. 3	Framework tower, red triangular daymark point down.	R. 250°18', G.-285°42', W.-318°54', R.-001°54'.
7680 C 7432	Torhamn.	56° 05.6' N 15° 49.4' E	Fl.W.R.G. period 3s	20 6	W. 4 R. 3 G. 2	Framework tower, white rectangular daymark.	G. 002°30'-013°30', W.-016°30', R.-044°. Storm signal.
7684 C 7438	Ungskar Range, front.	56° 02.4' N 15° 48.2' E	F.W.	20 6		Post.	Fishing light.
7688 C 7438.1	-Rear, 50 meters 300° from front.	56° 02.4' N 15° 48.2' E	F.W.	26 8		Post.	Fishing light.

Section 6

Baltic Sea - East Coast of Sweden and Gotland Including Oland

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
7692	Mocklosundbron Swingbridge.	56° 08.0' N 15° 45.0' E	Q.R.G.			Bridge signal lights shown from roof of operator's hut.	When bridge is open a Q.G. light is shown; R. flashes mean Stop. Ships call bridge operator by sounding 2 long and 1 short blast when desiring passage. Should two vessels meet at the bridge the one going westward has the right-of-way.
7696 C 7442	Utklippan.	55° 57.2' N 15° 42.1' E	Fl.(2)W.R.G. period 6s	102 31	W. 8 R. 5 G. 4	Red framework tower, fort; 98.	G. 134°24'-140°12', R.-189°36', G.-233°12', W.-240°12', R.-298°54', W.-134°24'. Shown Nov. 1 to Mar. 31.
UTKLIPPAN FISHING HARBOR:							
7700 C 7444	-E. entrance to harbor, S. pier, head.	55° 57.3' N 15° 42.3' E	Fl.W.R.G. period 3s	26 8	W. 4 R. 2 G. 2	White column, white pedestal.	G. 239°-264°, W.-269°, R.-300°. Fishing light.
7704 C 7445	-Utklippans Hamn, W.	55° 57.3' N 15° 42.1' E	Fl.(3)W. period 9s	26 8		White column, white pedestal.	Fishing light.
7708 C 7440	Utlangan.	56° 00.8' N 15° 47.3' E	Oc.(2)W.R.G. period 12s	42 13	W. 15 R. 12 G. 10	White tower, black top.	G. 224°48'-232°06', W.-010°48', R.-022°24', G.-052°48', W.-107°18', R.-114°48', G.-134°48.
7712 C 7431	Sandhamn Range, front.	56° 05.5' N 15° 51.5' E	F.R.	18 5		Post, white triangular daymark point up.	Fishing light.
7716 C 7431.1	-Rear, 500 meters 344°30' from front.	56° 05.8' N 15° 51.4' E	F.R.	41 12		Post, white triangular daymark point down.	Fishing light.
7717 C 7428.2	Windmotor No 1.	56° 09.6' N 16° 01.3' E	Fl.Y. period 5s	33 10	5		On top of structure. Windmotors no. 2 - 4 marked by F.R. lights.
7717.1 C 7428.1	-No 5.	56° 10.5' N 16° 01.3' E	Fl.Y. period 5s	33 10	5		On top of structure.
OLAND:							
7720 C 7280	-Olands Sodra Udde.	56° 11.8' N 16° 23.9' E	Fl.(2)W. period 30s	135 41	26	White round stone tower, black band; 138. Floodlit.	Shown 24 hours Nov. 1 to Mar. 31.
7724 C 7284	-Olands Sodra Grund.	56° 04.2' N 16° 40.9' E	L.Fl.W. period 8s fl. 2s, ec. 6s	108 33	9	Black tower, red bands, gray base; 115. Helicopter platform.	Marked by 4 Q.W. lights.
	-RACON		OE(- - - •).		17		(3 & 10cm).
7728 C 7276	-Grasgard Range, front.	56° 19.0' N 16° 31.8' E	F.R.	19 6		White framework tower, white triangular daymark point up.	Fishing light.
7732 C 7276.1	--Rear, 95 meters 322° 30' from front.	56° 19.0' N 16° 31.9' E	F.R.	33 10		Black framework tower, black triangular daymark point down.	Fishing light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
7736 C 7274	-Segerstad.	56° 22.1' N 16° 34.0' E	L.FI.(3)W.R.G. period 20s fl. 2.5s, ec. 2.5s fl. 2.5s, ec. 2.5s fl. 2.5s, ec. 7.5s	69 21	W. 12 R. 10 G. 8	White round stone tower; 72.	G. 175°-205°48', W.-005°54', R.-025°. Shown 24 hours Nov. 1 to Mar. 31.
7737 C 7272	-Blasinge Range, front.	56° 37.3' N 16° 42.0' E	F.R.	10 3	3	Post, white triangular daymark point up, black border.	
7738 C 7272.1	--Rear, 95 meters 310° from front.	56° 37.4' N 16° 41.9' E	F.R.	20 6	3	Post, white triangular daymark point down, black border.	
7740 C 7270	-Kapelludden.	56° 49.2' N 16° 50.7' E	L.FI.W. period 10s fl. 2s, ec. 8s	97 30	12	Red framework tower; 105.	Visible 178°24'-064°42'. Shown 24 hours Nov. 1 to Mar. 31.
7744 C 7268	-Karehamn Range, front.	56° 57.5' N 16° 53.0' E	Q.R.	20 6	10	Pole, white triangular daymark point up, red border.	Fishing light.
7748 C 7268.1	--Rear, 180 meters 289° from front.	56° 57.5' N 16° 52.8' E	Oc.R. period 5s	36 11	10	Mast, white triangular daymark point down, red border.	Fishing light. Synchronized with front.
7752 C 7266	-Hogby.	57° 08.8' N 17° 02.8' E	L.FI.(2)W. period 12s fl. 2s, ec. 2s fl. 2s, ec. 6s	71 22	12	White framework tower; 75.	Shown 24 hours Nov.1 to Mar. 31.
7756 C 7260	-Olands Norra Udde.	57° 22.0' N 17° 05.8' E	FI.(4)W. period 15s	103 31	14	White round stone tower; 105.	Visible 048°-318°. Shown 24 hours Nov. 1 to Mar. 31.
7760 C 7262	-Grankullaviken Range, front.	57° 20.6' N 17° 05.3' E	Q.R.	33 10	9	Mast, white triangular daymark point up, black border.	Visible on range line only.
7764 C 7262.1	--Rear, 400 meters 219°12' from front.	57° 20.4' N 17° 05.3' E	Oc.R. period 6s	52 16	9	Mast, white triangular daymark point down, black border.	Visible on range line only.
KALMARSUND:							
7768 C 7422	-Kristianopel Fishing Range, front.	56° 15.4' N 16° 02.8' E	F.R.	29 9	4	Post, white triangular daymark point up, red border.	Fishing light. Shown 24 hours Aug. 1 to May 31.
7772 C 7422.1	--Rear, 225 meters 312° from front.	56° 15.5' N 16° 02.5' E	F.R.	46 14	4	Post, white triangular daymark point down, red border.	Fishing light. Shown 24 hours Aug. 1 to May 31.
7776 C 7416	-Garpen.	56° 23.4' N 16° 07.7' E	Oc.W.R.G. period 8s	87 27	W. 16 R. 13 G. 12	Gray concrete tower; 89.	R. 201°-210°, G.-253°, W.- 269°30', R.-306°42', W.- 004°, R.-027°06', W.(unintensified)-128°42'. Shown 24 hours Nov. 1 to Mar. 31.
-Utgrunden:							
7780 C 7420	--8.3 kilometers 102°30' from Garpen.	56° 22.4' N 16° 15.4' E	L.FI.W.R.G. period 8s	95 29	W. 8 R. 5 G. 4	Orange tower, base, gallery.	G. 316°06'-348°06', W.- 019°54', R.-057°36', G.- 185°, W.-193°06', R.- 231°36'.
				F.R.	295 90	Mast.	
				N(- •)	10		(3 & 10cm).
7782 C 7421.2	---Windmotor T1.	56° 20.1' N 16° 17.1' E	FI.Y. period 3s	33 10	5		Four windmotors marked on top by F.R. lights between Windmotor T1 and Windmotor T7.
				F.R.	213 65		On hub.
7782.2 C 7421.11	---Windmotor T4.	56° 20.7' N 16° 17.0' E	FI.Y. period 3s	33 10	5		On top of structure.
				F.R.			

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
7783 C 7421	--Windmotor T7.	56° 21.2' N 16° 16.4' E	Fl.Y. period 3s	33	5		
			F.R.	213			On hub.
				65			
7784 C 7425	-Gronhogen Range, front.	56° 16.0' N 16° 24.0' E	Iso.R. period 3s	26	9	Post, yellow triangular daymark point up, red border.	
7788 C 7425.1	--Rear, 80 meters 054° from front.	56° 16.0' N 16° 24.1' E	Iso.R. period 3s	43	9	Post, yellow triangular daymark point down, red border.	Synchronized with front.
	-Degerhamn:						
7792 C 7402	--S. Range, front.	56° 20.8' N 16° 24.4' E	Iso.W. period 4s	54	8	Mast, white triangular daymark point up, black border.	Visible on range line only.
7796 C 7402.1	--Rear, 215 meters 052° from front.	56° 20.8' N 16° 24.6' E	Q.W.	79	8	Mast, white triangular daymark point down, black border.	Visible on range line only.
7800 C 7400	--Inner Range, front.	56° 21.0' N 16° 25.0' E	F.R.	26	7	White triangular daymark point up, black border.	Two F.R. lights in line 018° and two F.G. lights in line 018° mark sides of fairway.
7804 C 7400.1	--Rear, 65 meters 018° from front.	56° 21.3' N 16° 24.5' E	F.R.	39	7	White triangular daymark point down, black border.	
	-Bergkvara:						
7808 C 7408	--Dalskar Range, front.	56° 23.5' N 16° 05.4' E	Q.W.R.G.	26	W. 7 R. 5 G. 4	Gray framework tower, red triangular daymark point up.	G. 295°-300°48', R.-327°12', G.-334°06', W.-344°, R.- 348°.
7812 C 7408.1	--Rear, 300 meters 302° from front.	56° 23.5' N 16° 05.2' E	Iso.R. period 4s	47	7	Gray framework tower, red triangular daymark point down.	
7816 C 7410	--Outer Range, front.	56° 22.8' N 16° 05.5' E	F.R.	29	4	Cairn, white square daymark.	
				9			
7820 C 7410.1	--Rear, 200 meters 263°30' from front.	56° 22.8' N 16° 05.3' E	F.R.	49	4	Gray metal framework tower, black and white square daymark and white triangular daymark point down.	
				15			
7832 C 7394	--E. quay of harbor Range, front.	56° 31.8' N 16° 22.5' E	F.R.	29	8	Shed, orange triangular daymark point up, black border.	
				9			
7836 C 7394.1	--Rear, 200 meters 127°30' from front light.	56° 31.7' N 16° 22.7' E	F.R.	55	8	Metal framework tower, orange triangular daymark point down, black border.	
				17			
7844 C 7390	-Skansgrundet.	56° 39.1' N 16° 22.5' E	Oc.(2)W.R.G. period 20s	59	W. 15 R. 12 G. 11	Black tower, green band, gray conical base, white lantern; 62. Floodlit.	W. 196°48'-202°24', R.- 214°42', G.-216°54', R.- 249°30', G.-256°24', R.- 008°12', G.-019°, W.- 024°36', R.-031°54', G.- 058°, R.-149°48', G.- 196°48'. Shown 24 hours Nov. 1 to Mar. 31.
7848 C 7378	--N. breakwater, head.	56° 39.1' N 16° 27.6' E	F.R.	13		White post.	
				4			
7852 C 7380	--S. breakwater, head.	56° 39.0' N 16° 27.6' E	F.G.	13		White post.	
				4			
	-Kalmar:						
7864 C 7360	--Harbor entrance Range, front.	56° 39.7' N 16° 22.2' E	Q.R.	26	8	Framework tower, red and white daymark.	
				8			
7868 C 7360.1	--Rear, 50 meters 277° from front.	56° 39.7' N 16° 22.1' E	Iso.R. period 4s	36	8	Framework tower, red and white daymark.	
				11			
7872 C 7358.4	-Huvudet.	56° 40.0' N 16° 23.1' E	Fl.(3)R. period 4s	19	6	Red tower, black base; 23.	
				6			

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
7876 C 7358	-Osvallsgrundet.	56° 40.3' N 16° 23.3' E	Fl.R. period 3s	19	6	Red and black tower; 23.	
7880 C 7352	-Krongrundet.	56° 41.4' N 16° 24.3' E	Oc.(2)W.R.G. period 8s	34	W. 15 W. 10 R. 12 G. 10	White tower, green and black stripe; 36. Floodlit.	W. 022°30'-031°36', R.-059°06', G.-104°24', W.-184°54', R.-215°24', G.-222°30', W.-226°48', R.-283°24', G.-022°30'. Shown 24 hours Nov. 1 to Mar. 31.
7884 C 7354	-Olands Bridge, center.	56° 40.7' N 16° 23.7' E	F.W.	128	3		On N. and S. sides.
	-RACON		HS (••••• •••)		6		(3 & 10cm).
7888 C 7354.2	--N. side, W.	56° 40.7' N 16° 23.7' E	F.R.	118	13		
7892 C 7354.4	---E.	56° 40.7' N 16° 23.8' E	F.G.	118	12		
7896 C 7354.6	--S. side, W.	56° 40.7' N 16° 23.7' E	F.R.	118	13		
7900 C 7354.8	---E.	56° 40.7' N 16° 23.8' E	F.G.	118	12		
7902 C 7356	-Svensknabban Range, front.	56° 41.2' N 16° 22.3' E	F.R.	15	9	Post, white triangular daymark point up.	
7902.1 C 7356.1	--Rear, 560 meters 251° from front.	56° 41.1' N 16° 21.7' E	F.R.	34	9	Post, white triangular daymark point down.	
7904 C 7350	-Masknaggen.	56° 43.7' N 16° 28.2' E	Q.W.R.G.	33	W. 14 R. 11 G. 10	Black tower, orange top, gray base; 36. Floodlit.	W. 042°18'-047°12', R.-072°24', G.-124°12', R.-190°18', G.-223°48', W.-231°24', R.-237°36', G.-042°18'.
7908 C 7349	-Ispeudde.	56° 44.6' N 16° 30.8' E	L.Fl.(2)W.R.G. period 12s fl. 2s, ec. 2s fl. 2s, ec. 6s	24	W. 13 R. 10 G. 9	White tower; 23.	G. 044°-053°, W.-057°, R.(unintensified)-088°, G.-166°, W.-191°, R.-198°30'.
	-Farjestaden:						
7912 C 7370	--Range, front.	56° 39.0' N 16° 27.8' E	Iso.R. period 1.5s	12	2	Post, white triangular daymark point up.	Visible on range line only.
7916 C 7370.1	---Rear, 140 meters 103° from front.	56° 39.0' N 16° 28.0' E	Iso.R. period 1.5s	29	2	Post, white triangular daymark point down.	Visible on range line only. F.R. and F.G. lights mark breakwater heads. Synchronized with front.
7920 C 7348	-Olandskablarnas South Limit Range, front.	56° 45.0' N 16° 31.5' E	F.R.	26	9	Yellow framework tower, yellow triangular daymark point up.	Visible on range line only.
7924 C 7348.1	--Rear, 60 meters 122° from front.	56° 45.0' N 16° 31.5' E	F.R.	42	9	Yellow framework tower, yellow triangular daymark point down.	Visible on range line only.
7944 C 7342	-Olandskablarnas North Limit Range, front.	56° 46.8' N 16° 28.8' E	F.R.	26	9	Yellow framework tower, yellow triangular daymark point up.	Visible on range line only.
7948 C 7342.1	--Rear, 75 meters 298° from front.	56° 46.8' N 16° 28.7' E	F.R.	42	9	Yellow framework tower, yellow triangular daymark point down.	Visible on range line only.
7952 C 7340	-Sillasen.	56° 45.8' N 16° 29.8' E	Fl.(3)W.R.G. period 8s	65	W. 8 R. 6 G. 4	Black tower, white top, gray conical base; 72. Floodlit.	G. 190°30'-196°30', W.-200°, R.-264°30', G.-356°, W.-008°30', R.-033°, G.-046°, R.-190°30'. Shown 24 hours Nov. 1 to Mar. 31.
	-Borgholmen:						
7958 C 7334	--W.	56° 52.6' N 16° 38.1' E	Oc.W.R. period 4s	16	W. 5 R. 3	Tower.	W. 025°-177°48', R.-235°. Shown May 1 to Sep. 30.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
7960 C 7336	--Outer harbor Range, front.	56° 52.7' N 16° 38.9' E	Q.W.	23	2	Metal framework tower, white triangular daymark point up, red border.	
7964 C 7336.1	---Rear, 200 meters 111° from front.	56° 52.7' N 16° 39.0' E	Oc.W. period 6s	42 13	2	Metal framework tower, white triangular daymark point down, red border.	
7968 C 7338	--Inner harbor Range, front.	56° 52.9' N 16° 38.9' E	Q.R.	23 7	2	Green metal framework tower, white top.	
7972 C 7338.1	---Rear, 80 meters 081° from front.	56° 52.9' N 16° 39.0' E	Oc.R. period 6s	32 10	2	Green metal framework tower, white top.	
7976 C 7332	-Slottsbredan.	56° 55.7' N 16° 36.0' E	Fl.(2)W.R.G. period 6s	65 20	W. 8 R. 6 G. 4	Black tower, green band, gray conical base, lantern; 69.	G. 184°-202°, W.-208°, R.-359°, G.-018°, W.-022°, R.-048°, G.-098°, R.-184°.
-Monsteras Channel:							
7980 C 7328	--Okno Range, front.	57° 00.2' N 16° 32.0' E	Q.W.	17 5	12	White hut, lantern, red rectangular daymark, white stripe.	Visible on range line only.
7984 C 7328.1	---Rear, 300 meters 270°30' from front.	57° 00.2' N 16° 31.7' E	Iso.W. period 2s	41 12	12	White hut, red rectangular daymark, white stripe, lantern.	Visible on range line only.
7988 C 7330	--Karshamnsgrund Range, front.	57° 00.8' N 16° 31.4' E	Iso.W.R.G. period 4s	9 3	W. 4 R. 2 G. 2	Pedestal, lantern.	W. 132°-085°, G.-100°, W.-114°30', R.-132°.
7992 C 7330.1	---Rear, Echeloskar, 2.7 kilometers 309° from front.	57° 01.4' N 16° 29.9' E	V.Q.W.	26 8	4	Post.	Visible 229°-317°.
7996 C 7324	-Damman.	57° 03.4' N 16° 41.4' E	L.F.I.W.R.G. period 8s	66 20	W. 10 R. 7 G. 6	Orange tower, black band, gray base; 69.	W. 169°-209°, R.-010°, G.-021°, W.-024°30', R.-120°, G.-169°. Shown 24 hours Nov. 1 to Mar. 31.
-RACON					B(- • • •)	16	(3 & 10cm).
8000 C 7326	-Sandvik Range, front.	57° 04.2' N 16° 51.3' E	Q.R.	24 7	7	Post, yellow triangular daymark point up, red border.	
8004 C 7326.1	---Rear, 85 meters 084° from front.	57° 04.2' N 16° 51.4' E	Oc.R. period 6s	36 11	7	Mast, yellow triangular daymark point down, red border.	
8008 C 7318	-Asehorn Kalmarsud Range, front.	57° 06.9' N 16° 32.1' E	Oc.R. period 6s	75 23	9	Red metal framework tower, red triangular daymark point up.	
8012 C 7318.1	---Rear, 800 meters 212° from front.	57° 06.5' N 16° 31.6' E	Oc.R. period 6s	128 39	9	Red metal framework tower, red triangular daymark point down; 105.	Synchronized with front.
8016 C 7320	-Bokoskar Range, front.	57° 06.4' N 16° 33.7' E	Iso.W.R.G. period 3s	13 4	7	Post, red triangular daymark point up.	R. 057°30'-135°12', G.-154°54', W.-159°18', R.-174°.
8020 C 7320.1	---Rear, 820 meters 158° from front.	57° 06.1' N 16° 34.0' E	Q.W.	59 18	7	Red and white framework tower, red triangular daymark point down.	Visible on range line only.
8022 C 7321	-Norsto Range, front.	57° 07.0' N 16° 33.7' E	Q.W.	23 7		Red and yellow framework mast; 20.	
8022.1 C 7321.1	---Rear, 011° from front.	57° 07.1' N 16° 33.7' E	Oc.W. period 6s	30 9		Red and yellow framework mast; 23.	
8032 C 7317	-Paskallavik Range, front.	57° 09.7' N 16° 27.8' E	F.R.	19 6	2	Rectangular daymark.	Fishing light. Occasional.
8036 C 7317.1	---Rear, 110 meters 269° 30' from front.	57° 09.7' N 16° 27.7' E	F.R.	49 15	2	Rectangular daymark.	Fishing light. Occasional.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
8052 C 7292	-Finnrevet.	57° 16.6' N 16° 38.1' E	Fl.(2)W.R.G. period 6s	45 14	W. 8 R. 6 G. 5	White tower, black band, gray conical base; 52. Floodlit.	G. 155°48'-215°, W.-227°54', R.-238°54', G.-253°12', W.-264°54', R.-290°18', W.-034°30', R.-082°, G.-088°06', W.-090°, R.-116°42'.
8068 C 7295	-Tillingeo Range, front.	57° 17.0' N 16° 30.9' E	Oc.W.R.G. period 10s lt. 8s, ec. 2s	23 7	W. 14 R. 11 G. 10	Red triangular daymark point up.	R. 264°-282°, G.-288°, W.-290°30', R.-318°, G.-339°, R.-020°, R.-055°. Shown 24 hours Nov. 1 to Mar. 31.
8072 C 7295.1	--Rear, 750 meters 289° from front.	57° 17.1' N 16° 30.2' E	Oc.W. period 10s	59 18	14	Red triangular daymark point down.	Shown 24 hours Nov. 1 to Mar. 31. Synchronized with front.
8076 C 7296	-Oskarshaman Range, common front.	57° 16.3' N 16° 28.8' E	Iso.W.R.G. period 4s	35 11	W. 12 W. 14 R. 9 G. 8	Red framework tower, white lantern.	Visible on range line only. G. 264°24'-270°, W.-272°12', R.-293°, W. 312°12'-326°24'. Shown 24 hours Nov. 1 to Mar. 31. Intensified on range line.
8078 C 7296.1	--W. Range, rear, 650 meters 271° from common front.	57° 16.3' N 16° 28.2' E	Q.W.	98 30	14	Framework tower, red triangular daymark point down.	Visible on range line only. Shown 24 hours Nov. 1 to Mar. 31.
8080 C 7295.9	--Grimskallen, N. Range, rear 360 meters 321° from common front.	57° 16.4' N 16° 28.6' E	Q.W.	79 24	11	White framework tower, red triangular daymark point down.	Visible on range line only.
8084 C 7299	-Arnemar Range, front.	57° 15.7' N 16° 29.4' E	Mo.(N)W.R.G. period 10s	26 8	W. 12 R. 9 G. 8	Pile, red rectangular daymark.	R. 210°48'-242°12', G.-243°42', W.-246°, R.-247°18', G.-251°54', R.-268°18'. Shown 24 hours Nov. 1 to Mar. 31.
8088 C 7299.1	--Rear, 425 meters 245° from front.	57° 15.6' N 16° 29.0' E	Mo.(N)W.R.G. period 10s	49 15	W. 12 R. 9 G. 8	Pedestal, red rectangular daymark.	R. 155°12'-170°24', G.-191°, W.-195°30', R.-214°48'. Shown 24 hours Nov. 1 to Mar. 31. Synchronized with front.
8092 C 7298	-Ovadersudden Range, front.	57° 15.7' N 16° 28.5' E	Fl.W.R.G. period 3s	19 6	W. 10 R. 7 G. 6	Orange metal post.	G. 136°-231°54', W.-236°, R.-244°, G.-251°06'.
8096 C 7298.1	--Rear, 208 meters 234° from front.	57° 15.6' N 16° 28.3' E	F.G.	39 12	9	Metal post, orange triangular daymark point down.	
8100 C 7300	-Badholmen.	57° 15.9' N 16° 27.3' E	Q.W.R.G.	26 8	W. 9 R. 6 G. 5	White metal framework tower.	G. 244°30'-280°54', W.-287°, R.-319°30'.
8104 C 7295.5	-Stotbotten.	57° 16.5' N 16° 33.2' E	Iso.W.R.G. period 8s	39 12	W. 13 R. 10 G. 9	Red tower, gray concrete base; 43. Floodlit.	W. 287°-289°30', R.-313°24', G.-346°48', R.-075°36', G.-098°54', R.-159°18', G.-243°36', R.-274°12', G.-287°. Shown 24 hours.
	-RACON		O(---)		12	Floodlit.	(3 & 10cm).
8108 C 7288	-Tokenasudde.	57° 19.3' N 16° 59.8' E	L.Fl.W.R.G. period 10s	23 7	W. 12 R. 9 G. 8	White lantern.	G. 030°-042°, W.-190°, R.-210°.
8116 C 7287	-Byxelkrok Range, front.	57° 19.6' N 17° 00.2' E	Q.R.	23 7	4	White post, red triangular daymark point up. Floodlit.	
8120 C 7287.1	--Rear, 242 meters 125° from front.	57° 19.5' N 17° 00.5' E	Oc.R. period 6s	46 14	4	Hut, red triangular daymark point down.	
8124 C 7146	Grottlan.	57° 24.2' N 16° 40.0' E	Fl.(2)W.R.G. period 6s	16 5	W. 10 R. 7 G. 6	White support, red lantern; 7. Floodlit.	G. 182°24'-237°, W.-245°30', R.-251°48', G.-264°36', R.-351°06'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
8125 C 7147	-Simpevarp Range, front.	57° 24.5' N 16° 40.5' E	Iso.R. period 4s	36 11	12	Framework tower, red square daymark, yellow stripe.	
8126 C 7147.1	--Rear, 370 meters 267° from front.	57° 24.5' N 16° 40.2' E	Iso.R. period 4s	56 17	12	Framework tower, red square daymark, yellow stripe.	Synchronized with front.
8144 C 7140	Soen.	57° 27.6' N 16° 44.3' E	Fl.(3)W.R.G. period 9s	16 5	W. 6 R. 4 G. 3	White lantern, red roof.	R. 180°-199°, W.-227°, R.- 330°, G.-341°, W.-343°, R.-006°, G.-029°.
8148 C 7138	Galtbadan, 1.9 kilometers 016° from Soen light.	57° 28.6' N 16° 44.7' E	Q.W.R.G.	19 6	W. 4 R. 3 G. 2	White pedestal, lantern.	G. 003°-008°, W.-011°, R.- 073°30', W.(unintensified)-156°, G.-169°, R.-177°.
8150 C 7137	Vino Bredhall.	57° 30.0' N 16° 45.9' E	I.V.Q.W.R.G. period 6s	32 10	W. 5 R. 3 G. 2	White tower, black bands.	G. 120°-140°30', W.-143°, R.- 160°.
8152 C 7136	Eko.	57° 30.0' N 16° 44.0' E	Iso.W.R.G. period 4s	7 2	W. 6 R. 4 G. 3	White lantern.	G. 170°30'-192°, W.-205°, R.- 226°, G.(unintensified)- 298°, obsc.-348°30', G.- 355°30', W.-356°30', R.- 000°.
8160 C 7132	Strupo Ljunskar.	57° 30.8' N 16° 46.3' E	Fl.(2)W.R.G. period 6s	44 13	W. 8 R. 6 G. 5	White concrete tower, black base; 30.	G. 255°-271°, W.-291°, R.- 312°, G.-345°, R.-353°, G.-068°, R.-099°.
8164 C 7130	Vinokrakan.	57° 30.8' N 16° 44.1' E	Fl.W.R.G. period 3s	23 7	W. 7 R. 5 G. 4	White concrete tower, red band, black base; 23. Floodlit.	G. 181°-273°30', W.-276°, R.- 305°, G.-349°.
	RACON		G(- - •) period 30s		12		(3 & 10cm).
8172 C 7124	Mannen.	57° 33.0' N 16° 42.0' E	Iso.W.R.G. period 4s	17 5	W. 7 R. 5 G. 4	White lantern, green top.	G. 308°36'-322°, W.-323°06', R.-052°12', G.-130°54', W.-134°, R.-143°36'.
8176 C 7122	Mellanhall.	57° 34.0' N 16° 41.0' E	Q.W.R.G.	17 5	W. 5 R. 3 G. 3	White pedestal, lantern. Floodlit.	R. 236°12'-342°42', G.- 351°42', W.-358°48', R.- 040°24'.
8180 C 7120	Lilla Bergo, N. point.	57° 33.0' N 16° 41.0' E	Fl.W.R.G. period 3s	13 4	W. 6 R. 4 G. 3	White lantern. Floodlit.	G. 084°24'-219°, W.-228°30', R.-290°54'.
8184 C 7118	Tunnholmen.	57° 33.0' N 16° 41.0' E	Fl.(2)W.R.G. period 6s	23 7	W. 6 R. 4 G. 4	White lantern. Floodlit.	G. 353°48'-080°48', W.- 083°54', R.-172°48', G.- 206°06', W.-208°36', R.- 218°24'.
8188 C 7114	Vastra Ekno Range, front.	57° 35.0' N 16° 43.0' E	Q.R.	23 7	5	White pedestal, red triangular daymark point up. Floodlit.	
8192 C 7114.1	--Rear, 250 meters 234° from front.	57° 35.2' N 16° 42.5' E	Iso.R. period 2s	40 12	7	White pedestal, red triangular daymark point down. Floodlit.	
8196 C 7110	Alhallen.	57° 36.0' N 16° 45.0' E	Fl.(2)W.R.G. period 6s	37 11	W. 7 R. 5 G. 4	White concrete tower, black base; 20.	G. 054°48'-066°12', W.- 068°36', R.-088°12', G.- 125°, W.(unintensified)- 162°30', G.-190°, W.- 192°30', R.-200°48'.
8200 C 7108	Bussgrund.	57° 40.0' N 16° 46.0' E	Fl.W.R.G. period 3s	28 9	W. 7 R. 5 G. 4	Red metal tower, white top, gray concrete base; 33.	G. 169°48'-178°30', W.- 182°48', R.-222°48', G.- 235°, R.-254°12', G.- 357°24', W.-359°30', R.- 007°36'. 2 F.R. range lights, 85 meters apart 320°, shown at Handelops.
8208 C 7084	Hamnklabbshallen.	57° 40.1' N 16° 47.8' E	Fl.(2)W.R.G. period 6s	25 8	W. 6 R. 5 G. 3	White tower, green band; 30.	R. 330°12'-342°54', G.- 073°30', W.-081°, R.- 108°48', G.-124°54', W.- 133°18', R.-138°06'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
8212 C 7078	Kungsgrundet.	57° 41.1' N 16° 54.2' E	L.FI.(2)W.R.G. period 15s fl. 2s, ec. 2s fl. 2s, ec. 9s	89 27	W. 10 R. 7 G. 6	Black tower, red band, white lantern.	R. 005°06'-048°06', G.-088°12', R.-121°30', G.-192°54', W.-005°06'. Shown 24 hours Nov. 1 to Mar. 31.
	RACON		K(- • -)		17		(3 & 10cm).
8216 C 7082	Ido Stangskar.	57° 40.3' N 16° 47.1' E	Q.W.R.G.	42 13	W. 8 R. 6 G. 5	White lantern, red base.	G. 144°30'-150°, W.-152°06', R.-158°24', R.(unintensified)-301°54', G.-320°42', W.-324°, R.-337°42'.
8218 C 7081	-Sparo, Common rear.	57° 43.3' N 16° 45.2' E	Fl.W.R.G. period 1.5s	33 10	W. 7 R. 4 G. 3	White tower; 26.	G. 107°12'-108°24', R.-121°36', G.-189°42', G.-214°18'-229°06', W.-239°48', R.-280°06', G.-354°06', W.-358°18', R.-033°. Intensified on range line.
8220 C 7081	-Sparo, rear, 236° from front.	57° 42.6' N 16° 43.7' E	Iso.W. period 6s	118 36	14	White tower; 26.	Shown 24 hours Nov. 1 to Mar. 31.
8228 C 7086	Ido.	57° 42.9' N 16° 45.5' E	Fl.(2)W.R.G. period 6s	23 7	W. 8 R. 6 G. 4	White lantern, green rectangular daymark.	R. 359°48'-006°06', G.-180°18', W.-182°36', R.-188°42', G.-210°42'.
LUSARNAFJARDEN:							
8232 C 7076	-Vasterbadan.	57° 44.8' N 16° 44.5' E	Oc.W.R.G. period 10s lt. 8s, ec. 2s	46 14	W. 14 R. 11 G. 10	Red tower, black base; 49. Floodlit.	G. 112°-133°30', R.-157°, R.(unintensified)-220°, R.-258°30', G.-268°, W.-269°30', R.-309°, G.-321°, R.-011°, G.-040°.
	-RACON		B(- • • •)		12		(3 & 10cm).
8236 C 7074	-Slado Ask.	57° 47.1' N 16° 48.3' E	Q.W.R.G.	29 9	W. 6 R. 5 G. 3	White concrete tower, red base; 30.	R. 180°36'-273°24', G.-012°30', W.-016°48', R.-042°18'.
8240 C 7072	-Finnkarten.	57° 46.7' N 16° 48.2' E	Fl.(4)W.R.G. period 10s	34 10	W. 7 R. 5 G. 4	White concrete tower, green base; 33.	G. 003°42'-018°54', W.-024°24', R.-043°48', G.-094°36', R.-157°12', G.-195°06', W.-199°36', R.-219°18'.
8244 C 7066	-Finnhallen.	57° 52.1' N 16° 48.3' E	Fl.W.R.G. period 3s	29 9	W. 8 R. 6 G. 5	White tower, red band; 29.	G. 173°54'-186°48', W.-191°54', R.-249°06', G.-337°48', W.-341°42', R.-356°06'.
8247 C 7087.3	-SE. Granso.	57° 44.1' N 16° 43.3' E	I.V.Q.Y. period 6s	13 4	3	Yellow post.	Visible 270°06'-030°. Radar reflector.
8248 C 7088	-Tallskarshalet W. Range, front.	57° 43.5' N 16° 43.5' E	Q.W.R.G.	16 5	W. 6 R. 3 G. 3	White tower.	G. 142°-206°12', W.-209°24', R.-225°, W. 319°54'-038°06'.
8252 C 7088.1	--Rear, about 1 km. 207° from front.	57° 43.0' N 16° 43.1' E	Iso.W. period 2s		6	Framework tower.	Visible on range line only.
8264 C 7098	-Borgo (Torkelborg), NW. point.	57° 43.8' N 16° 41.6' E	Fl.W.R.G. period 4s fl. 1s, ec. 3s	16 5	W. 7 R. 5 G. 4	White lantern.	R. 119°-142°, G.-154°, W.-158°, R.-170°, G.-175°30', W.-182°, R.-206°, G. 224°-264°, R.-267°.
8268 C 7096	-Korphallan Range, front.	57° 43.9' N 16° 41.1' E	Q.W.	10 3	7	White lantern.	
8272 C 7096.1	--Rear, 180 meters 279° from front.	57° 43.9' N 16° 40.9' E	Iso.W. period 4s	24 7	6	White lantern.	Visible 260°-283°.
8280 C 7100.1	--Vitudden.	57° 45.7' N 16° 40.5' E	Oc.W.R.G. period 4s	22 7	W. 6 R. 4 G. 4	White lantern.	R. 326°-344°, G.-347°, W.-350°, R.-355°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
8284 C 7102	-Blockholmsundet, No 1, N. side.	57° 45.5' N 16° 40.2' E	Iso.W.R.G. period 3s	18 5	W. 6 R. 4 G. 3	Green tower, gray base; 21. Floodlit.	G. 280°48'-300°36', W.- 306°30', R.-119°24'.
8288 C 7103	--N. side, No 2.	57° 45.5' N 16° 40.1' E	Q.G.	16 5	3	Green pedestal, gray base. Floodlit.	Synchronized with 8292 and 8296.
8292 C 7104	--S. side, No 3.	57° 45.4' N 16° 40.2' E	Q.R.	16 5	3	Red pedestal, gray base. Floodlit.	Synchronized with 8288 and 8296.
8296 C 7105	---No 4.	57° 45.5' N 16° 40.1' E	Q.R.	16 5	3	Red pedestal, gray base. Floodlit.	Synchronized with 8288 and 8292.
8300 C 7099	-Treborderssund.	57° 44.7' N 16° 40.2' E	F.R.	7 2	4	Pedestal; 7.	Shown Aug. 1 to Nov. 31.
8304 C 7068	Storklappen.	57° 50.6' N 16° 50.9' E	L.FI.W.R.G. period 10s fl. 2s, ec. 8s	67 20	W. 11 R. 8 G. 7	Gray and brown tower.	R.(unintensified) 040°- 062°48', G.(unintensified)-130°, G.-198°48', W.-344°, R.- 040°. Shown 24 hours Nov. 1 to Mar. 31.
8308 C 7070	Aleskar.	57° 50.3' N 16° 48.8' E	FI.W.R.G. period 3s	33 10	W. 8 R. 6 G. 5	White tower, black base; 19.	R. 170°18'-185°24', G.-278°, W.-297°36', R.-311°, G.- 322°, W.-327°36', R.- 346°36'.
8312 C 7064	Hommelskar Range, front.	57° 53.0' N 16° 48.0' E	Iso.W.R.G. period 4s	15 5	W. 6 R. 4 G. 3	White hut, green band, lantern.	G. 312°18'-332°48', W.- 343°42', R.-086°54', G.- 187°18', W.-188°54', R.- 206°48'.
8316 C 7064.1	-Torroudd, rear, 402 meters 353° from front.	57° 53.1' N 16° 48.4' E	Q.W.R.G.	23 7	W. 4 R. 3 G. 2	White pedestal, red band, lantern.	G. 181°12'-193°48', W.- 206°18', R.-014°06'.
8320 C 7060	Jarnklint.	57° 54.0' N 16° 49.0' E	FI.(2)W.R.G. period 6s	21 6	W. 6 R. 4 G. 3	White lantern.	G. 007°18'-020°48', W.- 047°36', R.-089°30', G.- 141°30', W.-144°30', R.- 177°48'.
8324 C 7058	Grindo.	57° 54.0' N 16° 48.0' E	Q.W.R.G.	29 9	W. 6 R. 4 G. 3	White post, pedestal, green band.	G. 012°18'-030°12', W.- 210°06', R.-254°54', G.- 279°42'.
8328 C 7056	Alen Range, front.	57° 55.0' N 16° 49.0' E	Q.W.R.G.	18 5	W. 7 R. 4 G. 3	Pedestal, green band, white lantern.	G. 072°24'-085°06', W.- 090°54', R.-224°54'.
8332 C 7056.1	-Tradskar, rear, about 550 meters 087° from front.	57° 54.4' N 16° 49.4' E	Iso.W.R.G. period 2s	57 17	W. 6 R. 4 G. 3	White concrete tower, black base, white lantern; 20.	W. 069°06'-178°18', R.- 268°18', G.-307°18', R.- 313°12', R.-336°18'.
8336 C 7054	Foren.	57° 54.0' N 16° 49.0' E	FI.(2)W.R.G. period 6s	21 6	W. 6 R. 4 G. 3	White pedestal, lantern.	R. 078°42'-142°42', G.- 205°12', W.-210°06', R.- 232°.
8344 C 7050	Prickhallan.	57° 57.0' N 16° 49.0' E	FI.(2)W.R.G. period 6s	19 6	W. 5 R. 4 G. 3	White concrete tower, green band, black base; 20.	R. 002°06'-045°24', G.- 139°06', W.-154°36', R.- 256°, G.-359°36', W.- 002°06'.
8348 C 7048	Torsklabb.	57° 58.0' N 16° 49.0' E	FI.W.R.G. period 3s	16 5	W. 6 R. 4 G. 3	White lantern, red band.	G. 183°48'-205°18', W.- 230°06', R.-304°30', G.- 340°24', W.-344°30', R.- 002°06'.
8352 C 7046	Algardsudde.	57° 59.0' N 16° 49.0' E	L.FI.W.R.G. period 8s fl. 2s, ec. 6s	21 6	W. 4 R. 3 G. 2	White pedestal, red band, lantern.	G. 140°-245°, R.-285°54', G.- 006°54', W.-011°18', R.- 020°06'.
8356 C 7044	Graskarshall Range, front.	57° 58.0' N 16° 49.0' E	Iso.W.R.G. period 4s	10 3	W. 6 R. 5 G. 4	White lantern.	G. 313°36'-359°42', W.- 001°12', R.-005°48', G.- 049°12', R.-129°06', G.- 160°12', W.-184°30'.
8360 C 7044.1	-Jungfruskar, rear, about 1 km. 178°30' from front.	57° 57.5' N 16° 49.2' E	Q.W.R.G.	35 11	W. 6 R. 4 G. 3	White pedestal, green band, white square daymark.	G. 345°24'-002°18', W.- 008°18', R.-086°48', W.- 186°06'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
8364 C 7040	Olsklabb.	58° 00.0' N 16° 49.0' E	Fl.(2)W.R.G. period 6s	16 5	W. 6 R. 5 G. 4	White pedestal, green band, lantern.	R. 273°36'-105°30', G.- 138°12', W.-165°18', R.- 183°12'.
8368 C 7038	Torro Stickskar.	58° 00.0' N 16° 49.0' E	Fl.(4)W.R.G. period 12s	23 7	W. 6 R. 4 G. 4	White concrete tower, green band, black base; 20.	G. 352°48'-017°, W.-024°06', R.-119°24', G.-174°42', W.-195°18', R.-222°30'.
8372 C 7036	Torro Range, front.	58° 01.0' N 16° 48.0' E	Iso.W. period 4s	21 6		White hut, red and white daymark.	Visible on range line only.
8376 C 7036.1	-Rear, 500 meters 222° from front.	58° 00.5' N 16° 47.8' E	Q.W.	50 15		White hut, red and white daymark.	Visible on range line only.
8384 C 7030	Ljusklabb.	58° 05.0' N 16° 51.0' E	Q.W.R.G.	29 9	W. 6 R. 4 G. 3	White pedestal.	G. 229°30'-244°18', W.- 247°24', R.-271°24', G.- 299°06', R.-004°24'.
8388 C 7032	Svarbadan.	58° 05.5' N 16° 51.3' E	Fl.(3)W.R.G. period 9s	27 8	W. 7 R. 5 G. 4	White tower, red band, black base; 23.	G. 149°42'-188°42', R.- 256°24', G.- 261°, W.- 264°18', R.-312°48', G.- 349°48', W.-353°42', R.- 018°48'.
8392 C 7028	Halsoklabb.	58° 07.0' N 16° 53.0' E	Fl.W.R.G. period 3s	41 12	W. 6 R. 4 G. 3	White lantern.	R. 239°24'-305°30', G.- 348°18', W.-354°30', R.- 106°54'.
8396 C 7026	Hagerokarten.	58° 07.5' N 16° 54.1' E	Fl.(4)W.R.G. period 12s	34 10	W. 8 R. 6 G. 5	White tower, green band, black base; 33.	G. 007°54'-039°, W.-045°, R.- 075°42', G.-174°36', W.- 181°18', R.-235°30', G.- 254°54', W.-263°48', R.- 278°24'.
8400 C 7022	Haradskar.	58° 08.8' N 16° 59.2' E	L.Fl.(3)W. period 20s fl. 2.5s, ec. 2.5s fl. 2.5s, ec. 2.5s fl. 2.5s, ec. 7.5s	119 36		Red tower, framework base; 95.	Shown 24 hours Nov. 1 to Mar. 31.
8404 C 6964	Kattilo, NE. point.	58° 12.0' N 16° 54.0' E	Fl.W.R.G. period 3s	13 4	W. 7 R. 5 G. 4	White hut, red band. Floodlit.	G. 160°48'-177°36', W.- 181°18', R.-330°24', G.- 334°54', W.-337°12', R.- 344°42'.
8408 C 6962	Espskarsgrund.	58° 14.0' N 16° 54.0' E	Fl.(2)W.R.G. period 6s	13 4	W. 7 R. 5 G. 4	White lantern, green stripe, black base, gray foundation.	G. 356°24'-000°36', W.- 003°12', R.-043°, G.- 176°54', R.-178°24'.
8412 C 6956	Stora Bockholme Range, front.	58° 15.0' N 16° 54.0' E	Iso.W. period 4s	16 5		White hut, white and red daymark.	
8416 C 6956.1	-Rear, 500 meters 207° from front.	58° 14.3' N 16° 53.5' E	Q.W.	38 12		White hut, white and red daymark.	Visible on range line only.
8420 C 6958	Bergholmen.	58° 16.0' N 16° 54.0' E	Q.W.R.G.	36 11	W. 6 R. 4 G. 3	White pedestal; 10.	R. 256°18'-358°12', G.- 002°24', W.-005°, R.- 009°54', G.-013°54'.
8424 C 6978	Sandsankan.	58° 18.6' N 17° 09.8' E	L.Fl.W.R.G. period 10s fl. 2s, ec. 8s	49 15	W. 9 R. 7 G. 5	Black tower, gray conical base, lantern; 49.	R. 168°30'-183°24', G.- 210°54', W.-329°54', R.- 357°30', W.-109°48'.
8428 C 6866	Norra Fallbadan.	58° 26.5' N 17° 06.2' E	Fl.(3)W.R.G. period 9s	52 16	W. 9 R. 7 G. 5	Black concrete tower, yellow band, white top, gray base; 56.	G. 108°30'-114°24', W.- 115°54', R.-121°54', G.(unintensified)-179°48', R.(unintensified)-245°, G.-253°, W.-315°06', R.- 333°30'. Radar reflector.
BAROSUND:							
8432 C 6966	-Sando, NW. of Haradskar.	58° 10.2' N 16° 55.3' E	L.Fl.(2)W.R.G. period 15s fl. 2s, ec. 2s fl. 2s, ec. 9s	39 12	W. 11 R. 9 G. 8	White concrete tower, green band, black base; 23. Floodlit.	G. 319°-336°24', W.-340°36', R.-353°, G.-014°12', W.- 017°06', R.-038°54', G.- 126°54', W.-143°30', R.- 160°24'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
8436 <i>C 6968</i>	-Kvarnholmen.	58° 13.0' N 16° 54.0' E	Fl.(3)W.R.G. period 9s	17 5	W. 7 R. 5 G. 4	White hut, red band.	G. 190°12'-218°36', R.- 301°30', G.-345°18', W.- 348°18', R.-005°06', G.- 049°24', W.-051°36', R.- 081°36'.
8440 <i>C 6954</i>	Snuggolmen, E. side.	58° 17.0' N 16° 56.0' E	Fl.(3)W.R.G. period 9s	23 7	W. 6 R. 5 G. 4	White hut, red band.	G. 202°-220°48', W.-223°36', R.-014°24', G.-023°, W.- 026°12', R.-040°.
8444 <i>C 6976</i>	Enskar.	58° 19.0' N 16° 58.0' E	Fl.W.R.G. period 3s	13 4	W. 6 R. 4 G. 3	White hut, red band.	G. 166°48'-192°42', W.- 211°24', R.-011°36', G.- 031°24', W.-034°06', R.- 053°42'.
8448 <i>C 6974</i>	Fagelon, W. side of Stora Fagelo.	58° 20.0' N 16° 59.0' E	Q.W.R.G.	19 6	W. 6 R. 4 G. 3	White hut, green band.	G. 358°18'-014°42', W.- 018°18', R.-097°24', G.- 186°48', W.-192°48', R.- 200°12'.
8452 <i>C 6990</i>	Adkobb.	58° 21.0' N 16° 59.0' E	Fl.(2)W.R.G. period 6s	18 5	W. 5 R. 3 G. 3	White pedestal.	W. 005°54'-009°12', R.- 129°18', G.-170°42', W.- 174°36', R.-268°36', G.- 005°54'.
8460 <i>C 6982</i>	-Stora Hogholmen Range, front.	58° 21.1' N 16° 59.2' E	Iso.W. period 4s	33 10		White tower, white and red daymark.	Visible 352°-115°.
8460.1 <i>C 6982.1</i>	--Rear, 115 meters 006°30' from front	58° 21.1' N 16° 59.2' E	Q.W.	46 14		White hut, white and red daymark.	Visible 352°-178°.
8464 <i>C 6984</i>	Horvelso.	58° 24.1' N 16° 56.6' E	Fl.W.R.G. period 3s	12 4	W. 6 R. 4 G. 4	White hut, red band. Floodlit.	G. 154°-162°12', W.-169°24', R.-237°12', G.-307°36', W.-318°24', R.-335°48'.
8468 <i>C 6988</i>	Sodra Lamskar Range, front.	58° 24.0' N 16° 57.2' E	Iso.W. period 4s	7 2		White structure, red square daymark, white stripe.	
8472 <i>C 6988.1</i>	-Rear, 1200 meters 338°30' from front.	58° 24.6' N 16° 56.8' E	Q.W.	29 9		White structure, red square daymark, white stripe.	
8476 <i>C 6873</i>	Jungfrusalen.	58° 27.0' N 16° 57.0' E	Q.W.R.G.	19 6	W. 5 R. 3 G. 2	White hut, red band, lantern; 13.	W. 013°36'-022°42', R.- 037°36', G.-199°06', W.- 201°18', R.-353°12', G.- 013°36'.
MEM APPROACH:							
8480 <i>C 6874</i>	-Lonshuvudfjarden.	58° 26.7' N 16° 51.1' E	Fl.(2)W.R.G. period 6s	11 3	W. 7 R. 5 G. 4	White hut, green band, black base.	G. 195°-231°30', W.-235°24', R.-311°12', G.-066°36', W.-068°24', R.-071°06'.
8484 <i>C 6876</i>	-Bjorskar.	58° 25.5' N 16° 47.6' E	Fl.W.R.G. period 3s	11 3	W. 6 R. 4 G. 4	White hut, red band, black base.	G. 058°42'-074°12', W.- 077°06', R.-117°, G.- 199°12', W.-212°18', R.- 224°.
8488 <i>C 6994</i>	-Farholmen, S. point.	58° 25.0' N 16° 45.0' E	Fl.(4)W.R.G. period 12s	20 6	W. 5 R. 4 G. 3	White hut, green band.	G. 244°48'-253°24', W.- 257°42', R.-012°42', G.- 084°, W.-094°54', R.- 097°54'.
8492 <i>C 6996</i>	-Ettersundet.	58° 26.0' N 16° 40.0' E	Fl.W.R.G. period 3s	13 4	W. 4 R. 3 G. 2	Dolphin, red band, white lantern.	R. 088°-290°18', G.-294°, W.- 297°06', R.-318°.
8496 <i>C 6998</i>	--W.	58° 26.0' N 16° 40.0' E	Q.W.R.G.	14 4	W. 3 R. 2 G. 2	Dolphin, red band, white lantern.	G. 256°42'-108°24', W.- 116°18', R.-133°06'.
8504 <i>C 7004</i>	Hackerstad.	58° 28.0' N 16° 32.0' E	Fl.(2)W.R.G. period 6s	26 8	W. 6 R. 4 G. 3	White lantern, green band.	G. 295°-309°24', W.-314°48', R.-333°, W.(unintensified)-077°, G.-097°54', W.-102°18', R.-119°54'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
8508 <i>C 7006</i>	Lundbynas.	58° 28.0' N 16° 28.0' E	Q.W.R.G.	21 6	W. 4 R. 2 G. 2	White pedestal, green band.	G. 281°48'-287°06', W.-291°54', R.-015°, G.-098°54', W.-108°, R.-155°.
8516 <i>C 7010</i>	Soderkoping.	58° 28.0' N 16° 25.0' E	Fl.W.R.G. period 3s	23 7	W. 6 R. 4 G. 3	Metal framework tower; 23.	G. 232°-252°, W.-254°, R.-255°30'. Shown Aug. 1 to Oct. 31.
NORRKOPING APPROACH:							
8520 <i>C 6872</i>	-Kopparholmen Range, front.	58° 28.2' N 16° 57.7' E	Iso.W.R.G. period 4s	20 6	W. 7 R. 5 G. 4	White hut, green band.	G. 000°-010°, W.-022°, R.-073°, G.-082°, W.-087°30', R.-122°, G.-172°, W.-177°, R.-196°.
8524 <i>C 6872.1</i>	--Kuggviksskar, rear, about 1 km. 016° from front.	58° 28.8' N 16° 58.2' E	Fl.(4)W.R.G. period 6s	42 13	W. 6 R. 4 G. 3	White tower; 39.	R. 307°30'-331°, G.-009°30', W.-019°, R.-051°, G.-058°30', R.-090°, G.-129°, W.-139°, R.-253°30'.
8528 <i>C 6868</i>	-Arko, Ostra Kopparholmen Range, front.	58° 28.4' N 16° 58.1' E	Q.W.R.G.	26 8	W. 13 W. 5 R. 3 G. 3	White lantern, red rectangular daymark, white stripe.	W. 292°-117°36', G.-148°42', W.-156°30', R.-188°, R.(unintensified)-230°. Intensified on range line.
8532 <i>C 6868.1</i>	--Kalebo, rear, about 1.65 km. 292° from front.	58° 28.7' N 16° 56.5' E	Iso.W. period 4s	89 27	14	White lantern, red rectangular daymark, white stripe.	
8540 <i>C 6858</i>	-Norra Granso.	58° 31.7' N 16° 53.5' E	Fl.W.R.G. period 3s	19 6	W. 6 R. 4 G. 3	White hut, green band.	R. 355°-105°, G.-146°, W.-148°30', R.-172°.
8544 <i>C 6864</i>	-Liss Lindo.	58° 29.8' N 16° 56.2' E	Fl.W.R.G. period 3s	8 2	W. 9 R. 6 G. 5	White lantern. Floodlit.	G. 120°24'-130°48', W.-135°12', R.-161°, W.(unintensified)-288°42', G.-307°54', W.-322°36', R.-330°.
8548 <i>C 6862</i>	-Ettergrundshallan.	58° 30.8' N 16° 53.9' E	Oc.W.R.G. period 6s	19 6	W. 8 R. 6 G. 5	White tower, red band, lantern; 15. Floodlit.	G. 132°-146°, W.-148°, R.-315°.
8552 <i>C 6860</i>	-Gransosund Range, front.	58° 31.1' N 16° 53.5' E	Iso.W.R.G. period 4s	13 4	W. 7 R. 5 G. 4	White lantern, red rectangular daymark, red stripe.	G. 156°-169°, W.-171°, R.-245°, W.-335°.
8556 <i>C 6860.1</i>	--Rear, 125 meters 316° from front.	58° 31.2' N 16° 53.4' E	Q.W.	26 8	8	White hut, red rectangular daymark, white stripe.	Visible on range line only.
8560 <i>C 6859</i>	-Trollholmshallan.	58° 31.6' N 16° 53.1' E	Fl.(2)W.R.G. period 6s	12 4	W. 6 R. 4 G. 3	White lantern.	G. 139°-155°, W.-157°, R.-209°30', G.-330°, W.-333°, R.-139°.
8564 <i>C 6855</i>	- Maro Range, front.	58° 33.5' N 16° 54.6' E	Iso.W.R.G. period 4s	16 5	W. 15 W. 6 R. 4 G. 3	Red rectangular daymark, white stripe.	G. 028°18'-039°24', W.-043°30', R.-060°24', G.-120°30', W.-236°24'. Intensified on range line.
8568 <i>C 6855.1</i>	-- Eko , rear, 1000 meters 203°18' from front.	58° 33.0' N 16° 54.2' E	Q.W.R.G.	46 14	W. 15 W. 6 R. 4 G. 3	Red rectangular daymark, white stripe.	R. 053°-063°, G.-083°24', W.-090°42', R.-134°, G.(unintensified)-144°, W.-203°30'. Intensified on range line.
8572 <i>C 6856</i>	-Boso Sten.	58° 33.2' N 16° 51.3' E	Fl.(2)W.R.G. period 6s	12 4	W. 7 R. 5 G. 4	White lantern.	G. 153°42'-170°48', W.-172°42', R.-235°24', G.-289°48', W.-295°12', R.-341°.
8574 <i>C 6856.4</i>	-Bjorno Range, front.	58° 33.0' N 16° 50.5' E	FR.	21 6	4	Mast, orange triangular daymark point up.	Occasional.
8574.1 <i>C 6856.41</i>	--Rear, 200 meters 191° from front.	58° 33.0' N 16° 50.5' E	FR.	36 11	4	Mast, orange triangular daymark point down.	Occasional.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
8576 <i>C 6857.4</i>	-Ramsholmen Range, front.	58° 33.7' N 16° 51.7' E	Q.W.	16 5	8	Red hut, white stripe, red triangular daymark point up, yellow stripe.	
8580 <i>C 6857.41</i>	--Rear, 250 meters 156°30' from front.	58° 33.6' N 16° 51.8' E	Oc.W. period 3s	30 9	8	White hut, red triangular daymark point down, yellow stripe, red square daymark, white stripe.	Visible on range line only.
8584 <i>C 6882</i>	-Flaskogrund.	58° 35.0' N 16° 50.6' E	Iso.W.R.G. period 4s	12 4	W. 6 R. 4 G. 4	White pillar, red band, black base; 13.	G. 130°-155°24', W.-172°24', R.-345°.
8588 <i>C 6888</i>	-Flaskosund.	58° 34.9' N 16° 50.7' E	Fl.G. period 3s	21 6	3	White tower, green band, black base; 20.	Visible 335°-170°.
8594 <i>C 6857</i>	-Flasko.	58° 34.8' N 16° 50.7' E	Fl.(2)R. period 6s	21 6	4	White hut, red band, lantern.	Visible 155°-350°.
8596 <i>C 6878</i>	-Flaskohallen.	58° 34.6' N 16° 51.1' E	Fl.(3)G. period 9s	15 5	3	White hut, green band, black base; 10.	Visible 355°-155°.
8600 <i>C 6892</i>	-Lono, N. side.	58° 36.3' N 16° 46.4' E	Fl.W.R.G. period 4s	16 5	W. 9 R. 6 G. 5	White hut, red band; 7. Floodlit.	G. 090°-107°30', W.-109°, R.-126°, G.-139°, W.-195°, R.-260°, G.-287°, W.-290°30', R.-335°.
8604 <i>C 6890</i>	-Hargokalv.	58° 36.4' N 16° 52.4' E	Fl.(4)W.R.G. period 12s	56 17	W. 8 R. 6 G. 5	Framework mast, white rectangular daymark, green band; 52. Floodlit.	G. 255°-271°, W.-277°24', R.-286°, G.-299°, R.-021°, G.-050°, W.-064°, R.-090°, G.-106°54', W.-111°, R.-122°.
8608 <i>C 6829</i>	-Gustaf Dalen.	58° 35.6' N 17° 28.0' E	Fl.(2)W. period 6s	79 24	12	Black round concrete tower, red top, gray base; 85. Floodlit.	Red LED.
	-RACON		G(- - •)		16		(3 & 10cm).
8612 <i>C 6836</i>	-Norra Kranken.	58° 36.9' N 17° 23.1' E	Fl.(3)W.R.G. period 9s	41 12	W. 10 R. 8 G. 6	White tower, gray conical base; 36. Floodlit.	W. 085°48'-088°06', R.-100°, G.-154°30', W.-159°, R.-204°12', G.-207°06', W.-210°24', R.-241°36', G.-260°54', W.-287°54', R.-349°, G.-085°48'.
	-RACON		K(- • -)		13		(3 & 10cm).
8616 <i>C 6832</i>	-Havringe Range, front.	58° 36.2' N 17° 19.1' E	Q.W.	30 9	14	White pedestal, black band, white square daymark. Floodlit.	Visible on range line only.
8620 <i>C 6832.1</i>	--Rear, 183 meters 295°24' from front.	58° 36.2' N 17° 19.0' E	Iso.W.R.G. period 3s	75 23	W. 16 R. 13 G. 11	White tower, black band; 72. Floodlit.	G. 109°48'-138°12', W.-139°18', R.-244°54', G.-290°54', W.-313°42', R.-109°48'.
8624 <i>C 6834</i>	-Vastra Korpen.	58° 36.3' N 17° 19.3' E	Fl.(4)W.R.G. period 12s	26 8	W. 9 R. 7 G. 6	White tower; 23. Floodlit.	W.(unintensified) 029°54'-075°, G.-105°12', W.-111°12', R.-131°12', G.-179°54'-311°42', W.-320°48', R.-341°30'.
8626 <i>C 6833</i>	-W. Hallgrundet.	58° 39.1' N 17° 13.7' E	Fl.R. period 3s	16 5	2	Cairn.	Radar reflector.
8628 <i>C 6838</i>	-Kopparnageln.	58° 36.5' N 17° 17.3' E	Q.W.R.G.	22 7	W. 8 R. 6 G. 5	White tower, red band; 13. Floodlit.	G. 103°06'-249°48', W.-257°42', R.-103°06'. Radar reflector.
8632 <i>C 6840</i>	-Grasskaren, E. extremity.	58° 37.0' N 17° 14.2' E	L.Fl.(2)W.R.G. period 15s fl. 2s, ec. 3s fl. 2s, ec. 8s	41 12	W. 13 R. 11 G. 9	White tower, green band; 39. Floodlit.	G. 242°06'-263°42', W.-267°42', R.-284°12', G.-301°12', W.-099°, R.-131°.
8640 <i>C 6818</i>	-Beten, W. side.	58° 38.7' N 17° 08.4' E	Fl.(2)W.R.G. period 6s	39 12	W. 13 R. 10 G. 8	White lantern. Floodlit.	G. 305°-332°, W.-343°54', R.-028°36', G.-063°, W.-066°06', R.-074°48', G.-124°54', W.-131°54', R.-155°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
8644 C 6842	-Vinterklasen Range, front.	58° 38.5' N 17° 07.8' E	F.R.		30 9		
8648 C 6842.1	--Rear, 75 meters 213° from front.	58° 38.4' N 17° 07.8' E	Mo.(U)W.R.G. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 3s, ec. 3s	56 17	W. 11 R. 8 G. 7	White hut, green band. Floodlit.	R. 177°30'-247°48', G.-300°48', W.-308°48', R.-028°, G.-058°, W.-062°30', R.-094°48', G.-141°12'.
8652 C 6845	-Falkens Grund.	58° 37.5' N 17° 02.2' E	Fl.(3)W.R.G. period 9s	36 11	W. 10 R. 8 G. 6	White tower, red top, concrete base; 23. Floodlit.	R. 009°06'-063°, G.-076°54', W.-080°12', R.-209°54', G.-254°42', W.-262°42', R.-288°54', G.-009°06'. Radar reflector.
8654 C 6846.5	-Kungshamngrund.	58° 36.9' N 17° 02.1' E	Oc.W.R.G. period 10s lt. 8s, ec. 2s	13 4	8	Gray tower, red and white top; 16.	G. 060°48'-070°36', W.-079°18', R.-180°06', G.-243°42', W.-247°12', R.-249°48', G.-251°54', W.-254°48', R.-269°36'.
	-RACON		T(-) period 30s				
8656 C 6846	-Kungshamn Range, front.	58° 37.5' N 17° 01.2' E	Iso.W.R.G. period 4s	36 11	W. 10 R. 7 G. 6	White hut, red stripes, lantern.	G. 255°-260°, W.-265°, R.-298°06', W. 059°30'-078°30'.
8660 C 6846.1	--Rear, 600 meters 069°30' from front.	58° 37.7' N 17° 01.8' E	Q.W.R.G.	62 19	W. 8 R. 6 G. 5	White hut, red stripe, lantern; 30.	R. 237°-246°36', G.-262°48', W.-266°30', R.-288°54', G.-319°48', W.-327°, R.-001°06', G.-027°18', W.-081°.
8664 C 6848	-Mesen.	58° 37.1' N 16° 59.3' E	Fl.W.R.G. period 3s	20 6	W. 9 R. 6 G. 5	White hut, red band, white base.	R. 062°-150°, G.-251°, W.-253°, R.-260°.
8668 C 6847	-Albackgrund.	58° 37.4' N 16° 59.9' E	Fl.(2)W.R.G. period 6s	23 7	W. 8 R. 6 G. 5	White lantern, green band, concrete base. Floodlit.	G. 241°-267°30', R.-000°, G.-062°, W.-067°30', R.-090°.
8672 C 6894	-Navekvarn, Braviken, N. side of channel.	58° 37.2' N 16° 48.7' E	Fl.(2)W.R.G. period 6s	26 8	W. 9 R. 6 G. 5	White hut, green band; 7. Floodlit.	G. 270°-295°, W.-296°, R.-313°30', G.-336°, R.-000°, G.-069°, W.-075°30', R.-084°, G.-093°, W.-095°, R.-125°.
8676 C 6896	-Karlsund, about 1.5 km. from center of Flinta.	58° 37.7' N 16° 42.3' E	Q.W.R.G.	21 6	W. 8 R. 6 G. 5	Green hut, white roof, base. Floodlit.	G. 273°-280°, W.-282°, R.-330°, G.-022°, W.-070°, R.-088°, G.-095°54', W.-099°, R.-120°.
8688 C 6898	-Saterholmen.	58° 38.2' N 16° 35.3' E	Fl.(4)W.R.G. period 12s	23 7	W. 12 R. 9 G. 8	White lantern, green band, pedestal. Floodlit.	G. 270°-279°48', W.-280°30', R.-284°30', G.-289°, W.-290°, R.-026°, G.-103°06', W.-105°, R.-160°.
8692 C 6901	-Algersgrund.	58° 39.1' N 16° 27.4' E	Q.W.R.G.	16 5	W. 9 R. 7 G. 6	White hut, red band, black base, lantern.	W. 083°54'-247°36', R.-273°, G.-083°54'.
8696 C 6900	-Lovsgata.	58° 39.4' N 16° 27.3' E	Fl.(2)W.R.G. period 6s	22 7	W. 8 R. 6 G. 5	White tower, green band; 20.	G. 275°-286°12', W.-288°06', R.-302°18', G.-069°36', W.-071°36', R.-078°18', G.-084°18', W.-088°18', R.-105°.
8700 C 6902	-Stora Juten.	58° 38.1' N 16° 19.5' E	Fl.(3)W.R.G. period 9s	21 6	13	White tower, red lantern; 20.	R. 123°48'-138°, W.-230°30', R.-243°, G.-251°06', W.-253°18', R.-282°36'. Norrköping channel is marked by various W., R., and G. lights.
8702 C 6904.8	-Lindo Harbor, N.	58° 36.7' N 16° 15.6' E	Fl.G. period 3s	13 4	4	White pole, green band; 7.	Shown Mar. 1 to Dec. 10.
8703 C 6904.9	--S.	58° 36.7' N 16° 15.7' E	Fl.R. period 3s	13 4	4	White pole, red band; 7.	Shown Mar. 1 to Dec. 10.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
OXELOSUND:							
8704 C 6820	-Ljungskar, SW. side.	58° 39.1' N 17° 07.7' E	Fl.(4)W.R.G. period 12s	23 7	W. 13 R. 11 G. 8	White tower; 20. Floodlit.	G. 270°-323°, W.-327°, R.- 345°42', G.-017°48', W.- 023°06', R.-035°12', G.- 050°18', R.-071°06', G.- 135°, W.-141°48', R.- 190°.
8712 C 6824	-Oxelosund Hamn Range, front.	58° 39.9' N 17° 06.3' E	F.R.	21 6	9	Mast, red triangular daymark point up.	Visible on range line only.
8716 C 6824.1	--Rear, 280 meters 320°30' from front.	58° 40.0' N 17° 06.1' E	F.R.	33 10	9	Mast, red triangular daymark point down.	Visible on range line only.
8718 C 6814.5	-Harbor Range, front.	58° 39.7' N 17° 07.0' E	F.G.			Beacon, red triangular daymark point up.	
8718.1 C 6814.501	--Rear, 332° from front.	58° 39.7' N 17° 06.9' E	F.G.			Beacon, red triangular daymark point down.	
8720 C 6814	-Oxelosund Range, front.	58° 39.7' N 17° 07.7' E	Q.W.R.G.	13 4	W. 10 R. 8 G. 7	White lantern.	G. 245°-281°36', W.-307°18', R.-347°30', G.-054°36', W.-062°12', R.-078°12'.
8720.1 C 6814.01	--Rear, 057° from front.	58° 39.7' N 17° 07.7' E	F.R.			Beacon, red triangular daymark point down.	
8724 C 6816	-Korsholm, E. entrance to Oxelosund.	58° 39.7' N 17° 08.1' E	Fl.(2)W.R.G. period 6s	10 3	W. 8 R. 6 G. 5	White lantern. Floodlit.	G. 075°12'-093°24', W.-099°, R.-169°54', G.-236°54', W.-243°48', R.-258°48', G.-262°, W.-264°06', R.- 274°06'.
8725 C 6810.1	-Jarnverket Range, front.	58° 40.8' N 17° 08.0' E	F.R.	46 14	7	Beacon.	
8725.1 C 6810.2	--Rear, 271°18' from front.	58° 40.8' N 17° 07.8' E	F.R.	66 20	7	Beacon.	
8728 C 6810	-Korsholmen.	58° 40.6' N 17° 08.6' E	Fl.(2)W.R.G. period 6s	13 4	W. 13 R. 10 G. 9	White lantern, green band. Floodlit.	G. 231°-245°42', W.-249°42', R.-258°06', G.-001°42', W.-004°12', R.-058°36'.
NYKOPING APPROACH:							
8732 C 6794.5	Kolhalsen.	58° 41.4' N 17° 10.5' E	Fl.(3)W.R.G. period 9s	20 6	W. 7 R. 5 G. 4	White tower; 22. Floodlit.	G. 129°42'-139°24', W.- 144°18', R.-248°36', G.- 277°30', W.-281°36', R.- 300°06', G.-320°30', W.- 321°48', R.-337°36'.
8736 C 6800	-Lillhammarsgrund.	58° 39.7' N 17° 20.1' E	Fl.W.R.G. period 3s	36 11	W. 11 R. 9 R. 2 G. 8	White tower, red top, black base; 39. Floodlit.	G. 101°18'-113°30', W.- 118°48', R.-222°06', G.- 237°24', W.-239°42', R.- 325°12', G.-345°18'.
	-RACON		N(- •)		11		(3 & 10cm).
8740 C 6802	-Norra Masklubbshallan, S. side of channel.	58° 40.1' N 17° 16.8' E	Q.W.R.G.	10 3	W. 13 R. 10 G. 8	White structure, red band. Floodlit.	G. 266°-275°30', W.-279°, R.- 296°.
8742 C 6803	-Norra Lillhammarsgrund Range, front	58° 40.4' N 17° 19.2' E	Iso.W. period 4s	33 10	13	Concrete base, red rectangular daymark, yellow stripe.	Visible 297°48'-304°.
8744 C 6803.1	--Trutbadan, rear, N. side of channel, 301° from front.	58° 41.4' N 17° 16.0' E	Q.W.	52 16	13	Framework tower, red rectangular daymark, yellow stripe.	
			Fl.(4)W.R.G. period 12s		W. 6 R. 4 G. 3		G. 056°-084°, W.-093°, R.- 101.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
8748 C 6794	-Ledskar.	58° 42.1' N 17° 13.3' E	Iso.W.R.G. period 3s	23 7	W. 7 R. 5 G. 4	White lantern.	W. 040°42'-052°42', R.- 088°30', G.-113°, R.- 178°30', G.-198°, W.- 200°30', R.-230°06', G.- 309°12', R.-359°54', G.- 040°42'.
8752 C 6795	-Salgrund.	58° 42.9' N 17° 08.5' E	Fl.(2)W.R.G. period 6s	20 6	W. 6 R. 4 G. 3	Green hut, white band.	G. 290°48'-300°36', W.- 320°42', R.-051°12', G.- 120°36', R.-157°06'.
8756 C 6796	Nykoping AVIATION LIGHT.	58° 47.0' N 16° 55.0' E	Fl.(7)W. period 19s	148 45	23	Two masts.	
8760 C 6792	Stora Kampasen.	58° 42.8' N 17° 14.0' E	Fl.W.R.G. period 3s	23 7	W. 6 R. 4 G. 3	Pylon, white hut.	G. 240°-260°, W.-276°, R.- 017°, G.-052°, W.-063°, R.-074°.
8764 C 6790	Valaro, on mainland.	58° 43.3' N 17° 15.6' E	Q.R.G.	15 5	R. 4 G. 3	White hut.	G. 270°-305°, R.-000°, G.- 055°, R.-064°.
8768 C 6788	Ornkluubb.	58° 42.9' N 17° 16.7' E	Fl.(2)R.G. period 6s	10 3	R. 4 G. 3	White hut.	G. 112°-126°, R.-180°, G.- 274°, R.-284°.
8772 C 6786	Espskarsklubb.	58° 43.3' N 17° 18.9' E	Fl.R.G. period 3s	20 6	R. 4 G. 3	White hut.	G. 215°-225°, R.-019°, G.- 051°, R.-055°.
8776 C 6772	Skepna.	58° 44.8' N 17° 21.2' E	Fl.W.R.G. period 3s	20 6	W. 6 R. 5 G. 3	White hut.	G. 270°18'-305°, W.-310°, R.- 332°06', G.-015°54', W.- 019°54', R.-090°12'.
8780 C 6774	Langskar.	58° 44.2' N 17° 22.9' E	Fl.(2)W.R.G. period 6s	26 8	W. 6 R. 4 G. 3	White lantern.	G. 095°54'-110°06', W.- 116°18', R.-136°, W.(unintensified)-214°12', G.-229°06', W.-233°06', R.-243°18'.
8784 C 6760	Bergo.	58° 45.1' N 17° 24.5' E	Fl.W.R. period 3s	17 5	W. 10 R. 8	White lantern. Floodlit.	W. 194°24'-225°30', R.-030°.
8796 C 6750	Savosund.	58° 45.9' N 17° 28.5' E	Iso.W.R.G. period 3s	10 3	W. 10 R. 8 G. 5	White hut, green band; 7.	G. 092°24'-101°30', W.- 108°12', R.-148°06', W.(unintensified)-246°36', R.-252°18', G.-271°54', W.-274°48', R.-295°12'.
8800 C 6748	Herrsaten.	58° 45.8' N 17° 30.1' E	Fl.(4)W.R.G. period 12s	16 5	W. 7 R. 5 G. 4	White hut, green band.	G. 095°24'-100°30', R.- 110°42', G.-126°54', W.- 137°, R.-221°54', G.- 237°, W.-241°18', R.- 267°12'.
8808 C 6768	Hartso Stangskar.	58° 41.5' N 17° 27.7' E	Fl.(4)W.R.G. period 12s	45 14	W. 8 R. 6 G. 4	White tower, black base; 36.	G. 003°18'-022°48', W.- 035°18', R.-064°18', G.- 074°48', W.-079°18', R.- 120°12', G.-159°24', W.- 161°12', R.-179°54'.
8812 C 6766	Ringson Range, front.	58° 43.5' N 17° 26.3' E	Iso.W.R.G. period 4s	28 9	W. 6 R. 5 G. 3	White tower, green base, red rectangular daymark, white stripe; 20.	G. 330°-331°36', W.-342°12', R.-046°24', G.-118°12', W.-125°36', R.-139°18'.
8816 C 6766.1	-Rear, 825 meters 338°30' from front.	58° 43.9' N 17° 26.0' E	Q.W.	66 20	10	White pedestal, red rectangular daymark, white stripe, lantern.	Visible on range line only.
8820 C 6764	Griskar Range, front.	58° 44.1' N 17° 25.0' E	Iso.W. period 4s Iso.W.R.G. period 4s	19 6	W. 6 R. 5 G. 3	White tower, red band; 20.	Visible on range line only. G. 153°18'-175°06', W.- 177°42', R.-195°54', G.- 284°.
8824 C 6764.1	-Rear, 450 meters 314°36' from front.	58° 44.2' N 17° 24.6' E	Q.W.	39 12	8	White pedestal, red rectangular daymark, white stripe, lantern.	Visible on range line only.
8828 C 6754	Marholmen Range, front.	58° 46.9' N 17° 27.6' E	Q.W.R.	21 6	W. 8 R. 6	White pedestal, red band, lantern.	W. 136°-269°36', R.-136°. Intensified on range line.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
8832 <i>C 6754.1</i>	-Rear, Bromdal, 700 meters 042° from front.	58° 47.1' N 17° 28.1' E	Iso.W.R.G. period 4s	42 13	W. 9 R. 7 G. 5	White pedestal, white square daymark, red band.	G. 306°30'-322°36', R.- 000°36', G.-026°54', W.- 033°54', R.-087°06'.
8836 <i>C 6752</i>	Kallvik.	58° 46.8' N 17° 28.7' E	Fl.W.R.G. period 3s	13 4	W. 9 R. 7 G. 5	White hut, red band. Floodlit.	G. 313°48'-332°18', W.- 339°18', R.-050°42', G.- 115°24', W.-125°18', R.- 134°.
8840 <i>C 6744</i>	Tratbadan.	58° 46.7' N 17° 33.7' E	Fl.(2)W.R.G. period 6s	23 7	W. 7 R. 5 G. 4	White tower, green band; 20.	G. 060°42'-068°24', W.- 071°42', R.-088°36', G.- 156°48', W.-160°, R.- 166°48', G.-268°06'.
8844 <i>C 6742</i>	Hoko Gupa.	58° 47.6' N 17° 32.9' E	Fl.W.R.G. period 3s	16 5	W. 6 R. 5 G. 3	White lantern, red band.	G. 170°12'-176°54', W.- 179°48', R.-210°18', G.- 228°48', W.-236°18', R.- 264°18', G.-317°, W.- 326°12', R.-349°06'.
8848 <i>C 6738</i>	Kockelskar Range, front.	58° 48.0' N 17° 33.3' E	Iso.W.R.G. period 4s	23 7	W. 7 R. 5 G. 4	White tower, red base; 23.	G. 197°48'-274°48', W.- 276°48', R.-308°18', G.- 357°48', R.-017°36'.
8852 <i>C 6738.1</i>	-Rear, 215 meters 276° from front.	58° 48.0' N 17° 33.1' E	Q.W.	64 20	10	White tower, red square daymark.	Visible on range line only.
8856 <i>C 6740</i>	Kockelhallan.	58° 47.8' N 17° 33.9' E	Fl.(3)W.R.G. period 9s	17 5	W. 6 R. 5 G. 4	White hut, green band.	G. 033°54'-053°18', W.- 076°24', R.-132°54', G.- 169°36', W.-173°24', R.- 193°42', G.-265°12', R.- 275°48'.
8860 <i>C 6732</i>	Asenskallen.	58° 47.0' N 17° 41.9' E	Fl.W.R.G. period 3s	38 12	W. 8 R. 6 G. 5	White tower, green band; 29.	G. 091°06'-106°06', W.-110°, R.-238°18', G.-258°54', W.-267°30', R.-277°18', G.-293°30', R.-299°24'.
8864 <i>C 6730</i>	Skvallran.	58° 47.3' N 17° 42.5' E	Fl.(3)W.R.G. period 9s	34 10	W. 7 R. 5 G. 4	White tower, red band; 38.	G. 189°18'-203°06', W.- 220°36', R.-257°30', G.- 270°48', W.-278°48', R.- 344°18', G.-060°12', W.- 080°, R.-095°, R.(unintensified)-115°06'.
8868 <i>C 6734</i>	Graskar.	58° 47.6' N 17° 39.9' E	Q.W.	32 10	7	Silver hut.	Visible to W. toward Kockelskar range lights.
8872 <i>C 6726</i>	Tornskar.	58° 48.9' N 17° 33.0' E	Iso.W.R.G. period 4s	16 5	W. 6 R. 5 G. 3	Hut, green band, white lantern.	R. 013°12'-150°12', G.- 170°54', W.-173°12', R.- 187°54', W.-226°42', R.- 239°54'.
8876 <i>C 6724</i>	Bockholmen.	58° 50.1' N 17° 34.9' E	Q.W.R.G.	12 4	W. 6 R. 5 G. 3	Hut, green band, white lantern.	G. 359°30'-006°18', W.- 011°42', R.-050°06', G.- 178°54', W.-182°48', R.- 200°48'.
8880 <i>C 6722</i>	Lysberget.	58° 50.3' N 17° 35.8' E	Fl.(2)W.R.G. period 6s	27 8	W. 6 R. 5 G. 3	White lantern.	G. 045°06'-049°30', W.- 052°30', R.-064°.
8884 <i>C 6720</i>	Boko.	58° 51.0' N 17° 36.0' E	Iso.W.R.G. period 4s	16 5	W. 6 R. 5 G. 3	White lantern.	G. 052°48'-060°06', W.- 229°24', G.-249°06', W.- 252°12', R.-260°24'.
8888 <i>C 6675.6</i>	Vastra Roko.	58° 47.4' N 17° 46.8' E	Iso.W.R.G. period 5s	43 13	W. 9 R. 7 G. 6	White tower; 26. Floodlit.	G. 027°18'-084°12', R.- 114°24', G.-151°36', W.- 161°36', R.-170°54'.
8892 <i>C 6675.4</i>	Rokogrundet.	58° 47.1' N 17° 46.6' E	Q.W.R.G.	33 10	W. 9 R. 7 G. 6	Black tower, white band; 30. Floodlit.	G. 024°24'-088°18', W.- 089°48', R.-107°18', G.- 163°48', W.-168°30', R.- 292°12', G.-321°, W.- 324°30', R.-024°24'.
8896 <i>C 6675</i>	Granklubben.	58° 47.9' N 17° 44.9' E	Fl.(4)W.R.G. period 12s	42 13	W. 13 R. 10 G. 9	White tower.	G. 225°06'-297°48', R.- 312°36', G.-316°48', W.- 320°, R.-329°12', G.- 010°42', W.-054°24', R.- 074°54'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
8900 C 6675.8	Kolguskar.	58° 48.1' N 17° 46.6' E	Fl.(2)W.R.G. period 6s	33 10	W. 9 R. 7 G. 6	White hut, green roof. Floodlit.	G. 337°-001°30', W.-012°, R.-022°, G.-135°, W.-138°, R.-155°.
8902 C 6676.2	Torsken.	58° 49.5' N 17° 43.7' E	Q.W.R.G.	21 6	W. 9 R. 6 G. 5	White hut, red band. Floodlit.	G. 018°42'-153°54', W.-166°24', R.-248°30', G.-307°, W.-313°06', R.-018°42'. Radar reflector.
8904 C 6676.3	Vattklubben.	58° 49.4' N 17° 44.4' E	Iso.W.R.G. period 6s	33 10	W. 10 R. 7 G. 6	White tower, green band; 20. Floodlit.	G. 304°18'-319°18', W.-325°54', R.-044°, G.-125°48', W.-135°24', R.-162°36', G.-219°06', R.-240°12'.
8906 C 6676.6	Karinghallan.	58° 49.9' N 17° 43.6' E	Fl.(2)G. period 6s	23 7	6	Metal structure, green square daymark. Floodlit.	Radar reflector.
8908 C 6676.5	Sodra Bergholmen.	58° 49.9' N 17° 45.3' E	Fl.W.R.G. period 3s	23 7	W. 4 R. 2 G. 2	White pedestal, lantern.	G. 206°18'-232°06', W.-291°06', R.-025°, G.-056°30', W.-060°42', R.-077°42', G.-146°36'. Occasional.
8952 C 6676.8	Fifong.	58° 50.5' N 17° 43.4' E	Fl.(3)W.R.G. period 9s	22 7	W. 9 R. 7 G. 6	White hut, red band. Floodlit.	G. 163°12'-169°30', W.-172°, R.-175°30', G.-244°48', R.-311°54', G.-351°48', W.-359°12', R.-004°06', G.-017°36'.
8956 C 6677.4	Svartahallen.	58° 52.0' N 17° 40.0' E	Fl.(2)W.R.G. period 6s	16 5	W. 8 R. 5 G. 4	White hut, green band, lantern.	G. 057°48'-069°48', W.-071°12', R.-158°48', G.-218°, W.-225°42', R.-244°36', G.-271°18', R.-284°.
8960 C 6677	Sankhallan.	58° 52.0' N 17° 43.0' E	Q.W.R.G.	21 6	W. 10 R. 7 G. 6	Red hut, white base. Floodlit.	G. 086°42'-180°06', W.-185°24', R.-192°54', G.-204°36', W.-216°18', R.-270°06', G.-340°18', W.-345°54', R.-086°42'.
8962 C 6677.1	Ramsholmen.	58° 52.6' N 17° 43.2' E	Fl.(2)G. period 6s	23 7	2	Yellow daymark. Floodlit.	Radar reflector.
8964 C 6677.2	Galklubb.	58° 53.0' N 17° 43.0' E	Iso.W.R.G. period 4s	18 5	W. 9 R. 7 G. 6	White hut, red roof. Floodlit.	R. 008°-081°, G.-158°, W.-179°30', R.-288°, G.-297°, W.-299°, R.-347°, G.-357°, W.-008°.
8968 C 6677.6	Stenskar.	58° 54.0' N 17° 43.0' E	Fl.W.R.G. period 3s fl. 0.7s, ec. 2.3s	33 10	W. 10 R. 7 G. 6	White hut, red roof. Floodlit.	G. 154°06'-179°54', W.-184°42', R.-284°48', G.-348°18', W.-353°54', R.-002°12', G.-022°, W.-023°12', R.-057°54'.
8972 C 6677.8	Egelsholm Range, front.	59° 00.0' N 17° 43.0' E	Q.W.R.G.	10 3	W. 9 R. 7 G. 5	White hut, red top, lantern. Floodlit.	G. 135°-169°48', W.-171°30', R.-229°54', G.-338°, W.-353°12', R.-050°.
8976 C 6677.81	-Regarn, rear, 4.8 km. 172° from front.	58° 57.9' N 17° 43.6' E	Iso.W.R.G. period 4s	20 6	W. 6 R. 5 G. 3	White hut, green band, lantern.	G. 354°-008°, W.-175°06', R.-211°36'.
8980 C 6678	Notholmen.	59° 03.0' N 17° 41.0' E	Fl.W.R.G. period 3s	10 3	W. 9 R. 7 G. 5	Round hut, red roof, white lantern. Floodlit.	G. 119°06'-160°30', W.-166°30', R.-296°36', G.-307°42', W.-319°12', R.-341°48'.
8982 C 6678.5	Farstanas.	59° 05.8' N 17° 39.9' E	Fl.(3)W.R.G. period 9s fl. 0.7s, ec. 1s fl. 0.7s, ec. 1s fl. 0.7s, ec. 4.9s	16 5	W. 4 R. 3 G. 2	White hut, lantern.	G. 276°54'-340°06', W.-345°06', R.-025°18'.
8984 C 6678.4	Skjutholmen.	59° 06.0' N 17° 39.0' E	Q.W.		4	Red rectangular daymark.	
8992 C 6679	Hallsfjarden.	59° 06.0' N 17° 42.0' E	Fl.W. period 3s	13 4	8	White pedestal, lantern.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
8996 C 6678.8	Viad, Brandalssund Range, front.	59° 06.0' N 17° 42.0' E	Q.W.	22 7	9	White metal framework tower.	Visible on range line only.
9000 C 6678.81	-Rear, 600 meters 062° from front.	59° 06.5' N 17° 42.9' E	Iso.W. period 4s	59 18	9	White iron framework tower.	Visible on range line only.
9004 C 6679.2	Flasklosa.	59° 08.0' N 17° 41.0' E	V.Q.W.	17 5	3	White mast, green band.	Partially obscured by trees 180°-335°. F.W. and F.Y. lights mark shoreline.
9005 C 6680	Tegeltorp.	59° 13.9' N 17° 36.4' E	Q.W.R.G.	16 5	W. 3 R. 2 G. 1	White pedestal, lantern.	R. 338°-348°30', G.-354°30', W.-151°, R.-166°.
9006 C 6680.3	Storviksgrundet.	59° 15.2' N 17° 35.1' E	Fl.R. period 3s	33 10	5		
9008 C 6583.6	Landsort Bredgrund.	58° 43.9' N 17° 52.5' E	Iso.W.R.G. period 4s	59 18	W. 16 R. 12 G. 8	Orange tower. Floodlit.	R. 001°36'-013°12', G.-046°54', W.-052°36', R.-085°54', G.-126°36', R.-158°42', G.-177°06', R.-210°18', G.-217°06', W.-219°18', R.-223°54', G.-234°06', R.-273°06', G.-321°54', R.-345°06', G.-356°36', W.-001°36'. Shown 24 hours Nov. 1 to Mar. 31.
	RACON		B(- • • •)		14		(3 & 10cm).
9012 C 6584	Landsort.	58° 44.4' N 17° 51.9' E	Fl.(1+4)W. period 60s	148 45	22	White tower, red top; 82.	Unintensified 190°-197°. Shown 24 hours Nov. 1 to Mar. 31.
			Oc.W.R.G. period 10s	92 28	W. 14 R. 10 G. 7		G. 322°48'-351°12', W.-358°, R.-023°. F.R. range lights for use of pilots are shown at E. and W. pilot harbors.
9016 C 6585	Tilljandersknalt.	58° 45.5' N 17° 49.6' E	L.Fl.(2)W.R.G. period 12s fl. 2s, ec. 2s fl. 2s, ec. 6s	46 14	W. 10 R. 8 G. 5	White tower, two black bands; 33. Floodlit.	G. 029°06'-086°42', R.-116°18', G.-128°36', W.-131°06', R.-153°, G.-190°06', R.-218°36', G.-251°06', R.-313°, G.-331°06', W.-338°30', R.-029°06'.
9020 C 6587.6	Grisskar.	58° 46.8' N 17° 50.9' E	Q.W.R.G.	16 5	W. 5 R. 4 G. 3	Framework tower.	G. 011°36'-136°24', W.-138°30', R.-154°36', G.-355°06', W.-359°24', R.-011°36'.
9024 C 6587.7	Storpelles Holme.	58° 46.7' N 17° 51.8' E	Q.W.R.G.	26 8	W. 5 R. 4 G. 3	Column.	R. 281°24'-304°18', G.-354°12', W.-359°12', R.-080°06', G.-164°30', W.-168°48', R.-185°24'.
9025 C 6587.8	Osterklintshallan.	58° 46.3' N 17° 52.0' E	Q.Y.	10 3	3	Post.	
9026 C 6587.9	Grisblankan.	58° 46.0' N 17° 50.9' E	Fl.W.R.G. period 3s	33 10	W. 5 R. 4 G. 3	White pedestal, black base.	G. 057°30'-102°30', R.-167°36', G.-181°, R.-342°12', G.-347°, W.-357°06', R.-057°30'.
9028 C 6587.95	Olandssten.	58° 47.6' N 17° 52.1' E	I.V.Q.W.R.G. period 6s	20 6	W. 5 R. 4 G. 3	Silver hut.	W. 016°06'-019°54', R.-039°30', G.-073°, W.-075°18', R.-220°30', G.-254°48', W.-258°48', R.-329°36', G.-016°06'.
9032 C 6587.4	Bottenholmen.	58° 47.4' N 17° 50.0' E	Fl.W.R.G. period 4s	13 4	W. 6 R. 5 G. 3	Framework tower.	G. 245°-263°24', W.-267°18', R.-301°, G.-326°30', W.-327°30', R.-350°12'. Occasional.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
9036 C 6587.2	Vastra Kvarnhallan.	58° 47.6' N 17° 50.4' E	Q.W.R.G.	8	W. 5 2 R. 4 G. 3	White pedestal, lantern.	G. 143°-151°24', W.-155°12', R.-262°, G.-326°, W.- 334°12', R.-349°, G.- 004°42', W.-007°30', R.- 025°.
9040 C 6576	Huvudskar.	58° 57.8' N 18° 34.1' E	Mo.(N)W. period 25s fl. 4s, ec. 4s fl. 1s, ec. 16s	85 26	12	White hut, concrete tower, black band; 51.	Unintensified 115°-205°.
9044 C 6578	Vindbaden.	59° 00.1' N 18° 38.0' E	Fl.W. period 3s		3	White metal framework tower, blue band.	Fishing light. Occasional.
9048 C 6580	Skotrokan.	59° 00.8' N 18° 31.0' E	Fl.R. period 3s	69 21	3	White pedestal, blue band.	Fishing light. Occasional.
9052 C 6582	Torrmulen.	59° 06.0' N 18° 40.0' E	Fl.W. period 5s	20 6	2	White lantern, blue band, red base.	Fishing light. Occasional.
9054 C 6466	Peskobben.	59° 09.7' N 18° 49.4' E	F.W.	20 6	3	Framework tower.	Visible 097°-174° and 282°- 330°. Fishing light. Occasional.
9056 C 6465	Almagrundet.	59° 09.3' N 19° 07.6' E	Fl.(4)W.R. period 12s	95 29	13	Black tower, red band; 98. Floodlit. Helicopter platform.	R. 045°30'-225°24', W.- 045°30'.
	RACON		G(- - •)		14		(3 & 10cm).
9060 C 6470	Revengegrundet.	59° 15.1' N 19° 00.8' E	L.Fl.(2)W.R.G. period 18s fl. 3s, ec. 3s fl. 3s, ec. 9s	67 20	W. 16 R. 13 G. 12	Red tower, black base; 69. Floodlit.	W. 000°-005°12', R.-011°, G.- 109°54', R.-124°, G.- 137°42', W.-145°06', R.- 160°12', G.-295°06', W.- 307°24', R.-314°, G.- 000°. Radar reflector.
	RACON		RT(• - • -)		14		(3 & 10cm).
9064 C 6471.6	Svängen.	59° 16.2' N 18° 58.5' E	Q.W.R.G.	46 14	W. 12 R. 9 G. 7	Red tower, black bands; 49. Floodlit.	G. 083°12'-116°30', W.- 122°24', R.-186°36', G.- 282°36', R.-083°12'.
SANDHAMNSLEDEN:							
9068 C 6468	-Sandhamn Stangskar.	59° 16.6' N 19° 00.0' E	Iso.W.R.G. period 4s	34 10	W. 8 R. 5 G. 4	Yellow round tower, white top; 24.	G. 294°48'-326°24', W.- 343°24', R.-017°30', G.- 070°12', W.-074°36', R.- 094°12', G.-132°18', W.(unintensified)-138°30'.
9070 C 6468.5	-Gronskar.	59° 16.7' N 19° 01.5' E	L.Fl.G. period 10s fl. 2s, ec. 8s		4		
9076 C 6463.5	Horssten, about 6.9 kilometers 067° from Gronskar.	59° 18.1' N 19° 08.0' E	Fl.(4)W.R.G. period 12s	26 8	W. 6 R. 4 G. 3	White hut.	G. 276°54'-312°, W.-037°42', R.-110°42', G.-131°24', W.-138°30', R.-149°12', G.-169°30'. Occasional.
9080 C 6472	Prickgrundet.	59° 17.1' N 18° 55.8' E	Fl.(3)W.R.G. period 9s	17 5	W. 5 R. 6 G. 13	White structure, yellow top.	W. 005°48'-085°30', G.(5M)- 122°42', R.-245°24', G.- 322°42', R.-005°48'.
9084 C 6472.1	Sandhamn, Sando pilot station.	59° 17.4' N 18° 54.9' E	Oc.W.R.G. period 30s	33 10	W. 11 R. 13 G. 11	Yellow tower, yellow house; 33.	R. 294°30'-298°30', G.-304°, W.-307°, R.-314°24'.
9096 C 6476	-Stannkobben Range, front.	59° 18.4' N 18° 53.4' E	Iso.R. period 4s	23 7	6	White pedestal, red rectangular daymark, yellow stripe.	Visible on range line only.
9100 C 6476.1	--Rear, 350 meters 352°06' from front.	59° 18.5' N 18° 53.3' E	Q.R.	66 20	6	White pedestal, red rectangular daymark, yellow stripe.	Visible on range line only.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
9104 C 6478	-Farfarsgrund.	59° 17.7' N 18° 53.3' E	Iso.W.R.G. period 4s	16 5	W. 6 R. 4 G. 3	Red structure.	G. 067°42'-122°30', W.- 206°54', R.-335°48'.
9108 C 6480	Getholmen.	59° 18.0' N 18° 52.5' E	Fl.(2)W.R.G. period 6s	36 11	W. 5 R. 3 G. 3	Hut, green band, white lantern. Floodlit.	G. 271°-298°, W.-307°, R.- 032°, G.-102°, W.-110°, R.-141°.
9112 C 6481	Smoraskan.	59° 18.0' N 18° 52.1' E	Q.W.	20 6		Red structure. Floodlit.	
9114	Utkiken RACON.	59° 17.2' N 18° 54.9' E	T(-)			17 Tower.	Azimuth coverage 215°-035°. (3 & 10cm).
9116 C 6477	Vasterhalet.	59° 17.5' N 18° 52.7' E	Q.W.	26 8		3 Gray beacon.	Visible 165°-275°.
	RACON		T(-)			13	(3 & 10cm).
9120 C 6484	-Skotkubben Range, front.	59° 17.2' N 18° 53.6' E	Q.W.R.G.	23 7	W. 9 R. 7 G. 6	Orange tower, white top; 26. Floodlit.	G. 162°30'-172°06', W.- 182°48', R.-271°, G.- 344°42', W.-357°12', R.- 016°, G.-048°.
9124 C 6484.1	--Adkubben, rear, 3 km. 177° from front.	59° 15.8' N 18° 53.8' E	Iso.W.R.G. period 4s	23 7	W. 6 R. 5 G. 4	Red lantern.	G. 164°30'-170°36', W.- 179°18', R.-188°. W.(unintensified)-216°48', G.-258°24', W.-259°36', R.-267°54'.
9128 C 6482	-Svartgrund Range, front.	59° 16.9' N 18° 52.0' E	Iso.W.R.G. period 4s	20 6	W. 6 R. 4 G. 3	Orange rectangular daymark.	G. 268°42'-296°42', W.- 304°54', R.-319°48'. Radar reflector.
9132 C 6482.1	--Vindalso Islet, rear 704 meters 304°30' from front.	59° 17.1' N 18° 51.5' E	Q.W.	39 12		8 Orange rectangular daymark.	Radar reflector.
9134 C 6485	-Stora Hastskar.	59° 15.5' N 18° 53.8' E	Fl.(3)W.R.G. period 9s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 4.2s		W. 7 R. 5 G. 4		R. 238°42'-241°54', G.- 248°18', W.-250°, R.- 256°12', G.-268°30'.
9136 C 6488	-Osterskar.	59° 15.4' N 18° 56.8' E	Fl.W.R.G. period 3s	23 7	W. 6 R. 5 G. 4	Red structure.	G. 097°-118°36', W.-126°06', R.-135°06', G.-177°36', W.-192°42', R.-220°12'.
9140 C 6588	Skrapan.	58° 47.4' N 17° 58.4' E	Fl.(3)W.R.G. period 9s	41 12	W. 6 R. 5 G. 3	Black tower, white band, white lantern; 37.	G. 000°42'-037°42', W.- 051°06', R.-060°. R.(unintensified)-096°12', G.(unintensified)-105°. G.-190°54', W.-195°54', R.-228°30', G.-246°06', W.-274°30', R.-290°48', G.-309°54', W.-331°30', R.-000°42'.
9144 C 6592	Viksten Islet.	58° 47.2' N 17° 57.0' E	Q.W.	30 9		5 White framework tower.	May be obscured by islands SSW.
9146 C 6590	-NW. point.	58° 47.5' N 17° 56.7' E	Fl.(2)W.R.G. period 6s	52 16	W. 7 R. 5 G. 4	White lantern, silver base.	G. 018°06'-025°42', W.- 029°18', R.-065°, G.- 096°42', W.-097°54', R.- 117°48', G.-153°12', R.- 187°06', G.-201°12', W.- 208°06', R.-217°.
9148 C 6594	Gunnarstenarna.	58° 46.5' N 18° 03.1' E	L.Fl.(2)W.R.G. period 15s fl. 2s, ec. 2s fl. 2s, ec. 9s	46 14	W. 8 R. 6 G. 4	White structure, red base.	R. 000°-019°, G.-038°, R.- 102°, G.-142°30', W.- 152°30', R.-180°, G.- 235°, W.-000°.
9152 C 6596	Masknöv.	58° 51.4' N 18° 00.9' E	Mo.(A)W.R.G. period 8s fl. 1s, ec. 1s fl. 3s, ec. 3s	44 13	W. 13 R. 10 G. 7	White tower; 33.	G. 009°36'-020°24', W.-023°. R.-029°48', W.-157°54', G.-171°30', W.-182°12', R.-189°18', G.-196°42', W.-212°24', R.-217°06'.
9164 C 6602	Trehorningen.	58° 53.5' N 17° 56.8' E	I.V.Q.W.R.G. period 6s	26 8	W. 10 R. 8 G. 5	White square metal framework tower.	G. 315°-358°36', W.-359°36', R.-025°18'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
9168 C 6606	Bedaro.	58° 53.8' N 17° 57.6' E	Iso.W.R.G. period 4s	10	W. 7 3 R. 5 G. 4	White lantern.	G. 020°36'-033°48', W.-036°12', R.-043°.
9180 C 6614	Brunsviksholmen.	58° 55.1' N 17° 58.7' E	Fl.(2)W.R.G. period 6s	25	W. 12 8 R. 9 G. 6	White tower; 26.	R. 269°24'-278°54', G.-297°, W.-306°54', R.-316°24', G.-322°48', W.-327°, R.-359°18', G.-038°, W.-043°06', R.-047°48'.
9184 C 6598	Orngrund.	58° 53.8' N 18° 01.5' E	Q.W.R.G.	33	W. 10 10 R. 8 G. 5	Black fiberglass tower, red band, concrete base.	W. 010°12'-020°36', R.-105°, G.-131°30', W.-147°12', R.-194°48', G.-232°24', W.-246°, R.-290°18', G.-340°06', W.-344°48', R.-358°12', G.-010°12'.
9188 C 6618	Ostra Roko.	58° 54.4' N 18° 04.9' E	Fl.(2)W.R.G. period 6s	25	W. 6 8 R. 5 G. 3	White shed, green band, lantern on roof.	R. 007°30'-026°, G.-035°06', W.-043°12', R.-059°24', G.-075°24', W.-083°30', R.-128°06', G.-142°36', W.-147°36', R.-211°06', G.-218°54', W.-223°18', R.-246°, R.(unintensified)-269°12', G.(unintensified)-354°18', R.(unintensified)-007°30'.
9192 C 6618.4	Alvsnaabben.	58° 58.7' N 18° 11.2' E	Q.W.R.G.	22	W. 5 7 R. 5 G. 4	Red shed, white roof, base.	R. 213°-218°, G.-226°, W.-041°, R.-045°, G.-053°.
9196 C 6619	Mysingeholm.	59° 00.2' N 18° 15.5' E	Iso.W.R.G. period 4s	26	W. 10 8 W. 7 R. 10 R. 4 G. 10 G. 4	White tower, red roof; 21.	G.(4M) 005°-043°12', G.(10M)-044°30', W.(10M)-046°30', R.(10M)-049°42', R.(4M)-083°54', G.(4M)-118°06', R.(4M)-164°12', G.(4M)-185°24', W.(7M)-199°42', R.(4M)-205°, G.(4M)-209°48', W.(7M)-211°36', R.(4M)-223°48'.
9200 C 6620	Soderhall, in Mysingsjarden.	59° 00.7' N 18° 14.8' E	Fl.(3)W.R.G. period 9s	18	W. 6 5 R. 4 G. 3	Red hut.	G. 152°36'-160°, W.-164°06', R.-202°24', G.-282°06', W.-284°48', R.-003°36', G.-038°, R.-062°42'.
9201 C 6620.4	Uto Nasudden.	58° 58.0' N 18° 17.6' E	Q.W.	6	3	Metal framework tower.	Visible 155°-335°. Shown on request.
9202 C 6621	Uto Range, front.	58° 58.2' N 18° 19.7' E	F.R.	20	2	Mast, white triangular daymark point up.	Visible on range line only. Occasional.
9202.1 C 6621.1	-Rear, 140 meters 158° from front.	58° 58.2' N 18° 19.8' E	F.R.	36	3	Mast, white triangular daymark point down.	Visible on range line only. Occasional.
9204 C 6623	Langgarn.	59° 04.4' N 18° 17.9' E	Fl.(3)W.R.G. period 9s	20	W. 6 6 R. 4 G. 3	Red tower, gray base; 20.	G. 210°18'-233°36', W.-235°24', R.-244°30', G.-315°18', R.-355°06', G.-006°12', W.-022°, R.-051°30', G.-090°.
9212 C 6625	Galo.	59° 05.6' N 18° 20.9' E	Iso.W.R.G. period 8s	13	W. 9 4 R. 7 G. 6	Red pedestal. Floodlit.	G. 016°30'-041°30', W.-048°42', R.-140°42', G.-282°, R.-016°30'.
9216 C 6628	Kycklingen.	59° 06.4' N 18° 22.4' E	Iso.W.R.G. period 4s	34	W. 10 10 R. 7 G. 6	Red framework tower. Floodlit.	W. 245°42'-248°36', R.-266°18', G.-245°42'.
9220 C 6626	Torrbanken.	59° 06.6' N 18° 22.0' E	Fl.W.R.G. period 3s	13	W. 9 4 R. 7 G. 5	Red tower.	G.(unintensified) 212°48'-228°, G.-239°18', W.-241°30', R.-258°, R.(unintensified)-273°, R.-285°, G.-326°06', W.-342°12', R.-000°06'.
9224 C 6625.4	Koon.	59° 07.1' N 18° 19.6' E	Q.W.	3	3 1	Metal post.	Visible 324°-144°. Occasional.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
9232 C 6632	Asposkar.	59° 06.8' N 18° 23.8' E	Q.W.R.G.	16	W. 9 5 R. 7 G. 6	Metal framework tower, red hut.	G. 329°36'-046°18', W.-048°30', R.-092°54', G.-107°36', W.-159°24', R.-182°30', G.-202°42', W.-207°36', R.-221°54'.
9236 C 6634	Segelholm.	59° 06.8' N 18° 24.6' E	Fl.(4)W.R.G. period 12s	10	W. 9 3 R. 7 G. 6	White hut, red roof. Floodlit.	G. 057°36'-071°36', W.-080°18', R.-147° G.-221°36', W.-229°12', R.-236°54'.
9248 C 6636	Riksdalerskaret.	59° 07.2' N 18° 25.6' E	Fl.(2)W.R.G. period 6s	13	W. 9 4 R. 7 G. 6	White hut, red roof. Floodlit.	G. 037°42'-051°30', W.-054°42', R.-172°24', G.-179°54', W.-187°12', R.-198°42', G.(unintensified)-245°42', W.(unintensified)-250°18', R.(unintensified)-253°54'.
9250 C 6649	Mickelsland, SW.	59° 07.0' N 18° 26.5' E	Q.Y.	7	2	Post.	Shown Oct. 1 to Mar. 31.
9252 C 6642	Stenholmen, E. side of Korsholmen.	59° 07.7' N 18° 25.3' E	Fl.W.R.G. period 3s	17	W. 4 5 R. 3 G. 2	Framework tower, red hut.	G. 204°24'-217°24', W.-221°06', R.-282°12'.
9256 C 6644	Genbote.	59° 07.9' N 18° 25.8' E	Iso.W.R.G. period 3s	78	W. 9 24 R. 7 G. 6	White structure, red band. Floodlit.	G. 344°12'-006°, W.-016°12', R.-037°54', G.-046°48', W.-050°, R.-058°42', W.(unintensified)-142°, G.(unintensified)-184°48', W.-210°30', R.-234°24'.
9260 C 6648	Hummelklapp.	59° 08.4' N 18° 26.3' E	Iso.W.R.G. period 4s	16	W. 11 5 W. 9 R. 8 R. 7 G. 7 G. 6	Red tower; 22. Floodlit.	G.(intensified) 247°18'-251°54', W.(intensified)-254°12', R.(intensified)-282°36', G.-302°24', W.-309°54', R.-343°18', G.-032°, W.-038°, R.-047°48', G.-052°42', W.-055°18', R.-065°06'.
9262 C 6650	Piltholmsknall.	59° 08.6' N 18° 27.9' E	Fl.(2)W.R.G. period 6s	23	W. 8 7 R. 6 G. 5	Green tower, white band. Floodlit.	R. 029°24'-061°36', G.-066°48', W.-071°24', R.-213°24', G.-249°06', W.-253°18', R.-336°30', G.-029°24'. Radar reflector.
9264 C 6640	Jutholmen.	59° 07.5' N 18° 24.4' E	Fl.(2)W.R.G. period 6s	10	W. 9 3 R. 7 G. 6	White hut, red roof. Floodlit.	G. 351°24'-030°18', W.-038°48', R.-043°54', G.-094°48', R.-110°, W.-223°36'.
9268 C 6646	Dalaro, on Saltsacken Shoal.	59° 08.0' N 18° 25.2' E	Fl.(3)W.R.G. period 9s	10	W. 9 3 R. 7 G. 6	Red lantern, gray stone base. Floodlit.	G. 030°54'-036°48', W.-055°36', G.-244°06', W.-246°18', R.-250°18', G.-263°, R.-030°54'.
9280 C 6654	Bo Kappel, entrance to Baggensfjarden.	59° 18.6' N 18° 17.8' E	Fl.(2)W. period 6s	8	6	White hut, green band.	
9284 C 6658	Fjardhallan, in Jungfrufjarden.	59° 09.3' N 18° 33.3' E	Fl.W.R.G. period 3s	23	W. 7 7 R. 5 G. 4	White round tower, black base; 23.	R. 005°48'-031°, G.-063°30', W.-069°, R.-109°18', G.-176°42', R.-198°54', G.-202°, W.-204°42', R.-207°54', G.-245°, G.(unintensified)-255°06', W.(unintensified)-290°, W.-005°48'.
9288 C 6660	Grono, W. of Namdofjarden.	59° 12.5' N 18° 34.0' E	Iso.W.R.G. period 4s	23	W. 5 7 R. 3 G. 3	Red tower, white top; 27.	G. 155°-246°36', W.-308°18', R.-331°30', G.-352°36', W.-358°36', R.-015°24', G.-052°36', W.-078°24', R.-091°24'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
9292 C 6662	Kofotsgrund.	59° 13.1' N 18° 36.8' E	I.V.Q.W.R.G. period 9s	23 7	W. 6 R. 4 G. 3	Green tower, white top, gray base; 26.	G. 015°-034°48', W.-038°12', R.-049°30', G.-062°48', W.-065°54', R.-075°, R.(unintensified)-133°48', G.(unintensified)-203°, G.-212°48', W.-219°48', R.-234°, R.(unintensified)-313°, G.(unintensified)-015°.
9296 C 6664	Kofoten.	59° 13.4' N 18° 37.1' E	Fl.W.R.G. period 3s	20 6	W. 6 R. 4 G. 3	White hut, red band, lantern. Floodlit.	W. 213°-359°54', G.-028°48', W.-043°48', R.-053°.
9300 C 6666	Franska Stenarna.	59° 14.9' N 18° 39.9' E	Fl.(2)W.R.G. period 6s	17 5	W. 6 R. 4 G. 3	White lantern, green band.	G. 035°-042°48', W.-064°, W.(unintensified)-210°30', W.-239°30', W.(unintensified)-305°18', G.-312°, W.-314°06', R.-321°, W.(unintensified)-035°.
9308 C 6670	Runo.	59° 17.8' N 18° 42.9' E	Fl.W.R.G. period 3s	20 6	W. 9 R. 7 G. 6	White lantern. Floodlit.	G. 200°30'-220°24', W.-223°54', R.-243°24', W.(unintensified)-334°42', G.(unintensified)-357°36', W.-003°42', R.-019°30'.
STOCKHOLM APPROACH:							
9312 C 6672	-Langholmen.	59° 18.3' N 18° 45.5' E	Iso.W.R.G. period 4s	20 6	W. 6 R. 4 G. 3	White hut, green band, lantern; 20.	G. 030°54'-034°54', W.-042°, R.-145°06', G.-179°36', W.-194°36', R.-204°, G.-212°24', W.-214°42', R.-222°06', G.-234°.
9316 C 6409	-Fjardholmen, W. side of Stora Fjardholmen.	59° 21.4' N 18° 49.8' E	Q.W.R.G.	16 5	W. 7 R. 5 G. 4	White tower, green band.	G. 023°48'-030°24', W.-046°, R.-059°, G.-184°, R.-199°, G.-214°30', W.-216°, R.-235°.
9320 C 6463.3	-Algeroren (Elgorn) islet, E. side.	59° 20.0' N 18° 56.0' E	Q.W.R.	33 10	W. 4 R. 2	White pedestal, lantern.	W. 160°-311°, R.-018°, W.-058°. Fishing light. Occasional.
9328 C 6462	-Prastkobben.	59° 24.0' N 19° 11.0' E	Q.W.R.G.	30 9	W. 5 R. 4 G. 3	Gray lantern.	G. 055°-107°30', W.-111°, R.-181°, G.-224°, W.-232°, R.-314°, G.-335°30', W.-349°, R.-055°. Fishing light. Occasional.
9332 C 6463.2	-Tvikobb Islet.	59° 24.0' N 19° 02.0' E	Fl.W. period 3s			4 Metal framework tower.	Fishing light. Occasional.
9336 C 6406	-Palkobb.	59° 24.7' N 18° 54.4' E	Fl.(4)W.R.G. period 10s	33 10	W. 8 R. 7 G. 6	White tower, green band; 34.	G.(unintensified) 010°-022°, G.-035°42', W.-038°06', R.-051°, R.(unintensified)-135°18', G.(unintensified)-211°, G.-225°06', W.-228°06', R.-290°.
9340 C 6408	-Stora Moja, E. side.	59° 24.8' N 18° 54.1' E	Q.W.R.G.	19 6	W. 8 R. 5 G. 4	Red hut, white band, black base.	G. 215°-233°12', W.-028°, R.-050°.
9344 C 6404	-Stenkobbgrund.	59° 25.8' N 18° 57.1' E	Fl.(2)W.R.G. period 6s	41 12	W. 8 R. 5 G. 4	White tower, green band; 44.	G. 047°-052°42', W.-062°30', R.-078°, R.(unintensified)-129°48', G.(unintensified)-204°, G.-221°48', W.-224°30', R.-235°, R.(unintensified)-265°, R.-305°36', G.(unintensified)-047°.
9348 C 6402	-Morsken Rock.	59° 30.9' N 19° 05.3' E	Fl.(3)W.R.G. period 8s	36 11	W. 6 R. 4 G. 3	White cairn, red square daymark.	W. 020°42'-038°06', R.-067°, W.-219°, R.-231°, G.-273°, W.-353°, G.-020°42'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
9352 C 6399	-Hundskarsknv Rock.	59° 35.9' N 19° 07.5' E	Fl.W.R.G. period 3s	29 9	W. 8 R. 5 G. 4	White tower, red band; 24.	W. 001°24'-003°12', R.-041°, G.-052°, G.(unintensified)-097°, G.-107°, R.-117°, R.(unintensified)-172°, R.- 180°, G.-196°42', W.- 198°18', R.-209°, R.(unintensified)-263°, G.(unintensified)-353°, G.-001°24'.
9356 C 6400	-Mellgrundsknv.	59° 36.5' N 19° 03.5' E	Q.W.R.G.	23 7	W. 5 R. 3 G. 2	White framework tower.	G. 067°-101°, W.-109°, R.- 216°, G.-281°, W.-284°, R.-067°. Fishing light. Occasional.
9360 C 6396	-Vasterkobb Rock.	59° 39.7' N 19° 10.3' E	Iso.W.R.G. period 4s	26 8	W. 8 R. 5 G. 4	White tower, green band; 24.	G. 358°-017°30', W.-019°30', R.-136°, G.-180°, W.- 183°, R.-191°.
9364 C 6398	-Arskobben.	59° 39.7' N 19° 09.7' E	Q.W.R.G.	18 5	W. 7 R. 4 G. 4	Stone hut, red band, white lantern.	G. 165°-194°, W.-007°06', R.- 040°.
9368 C 6669	-Tegelhallan.	59° 17.2' N 18° 42.6' E	Fl.(2)W.R.G. period 6s fl. 0.3s, ec. 1s fl. 0.3s, ec. 4.4s	23 7	W. 7 R. 5 G. 4	Mast, white hut, red band, lantern; 23.	G. 036°24'-111°48', R.- 169°12', G.-201°48', W.- 207°30', R.-225°12', G.- 308°48', W.-337°18', R.- 036°24'.
9372 C 6673	-Trollharan, E. end of islet.	59° 19.0' N 18° 44.8' E	Q.W.R.G.	41 12	W. 4 R. 3 G. 2	White framework tower, white square daymark; 20.	G. 180°30'-202°24', W.- 037°54', R.-045°06'.
9376 C 6495	-Yxhammarskubben.	59° 18.8' N 18° 48.6' E	Fl.(3)W.R.G. period 9s fl. 0.7s, ec. 1s fl. 0.7s, ec. 1s fl. 0.7s, ec. 4.9s	23 7	W. 6 R. 4 G. 3	Red house, white base; 23. Floodlit.	W. 094°42'-166°18', R.- 281°54', G.-291°30', W.- 297°30', R.-021°36'.
9380 C 6496	-Gastholmsgrundet.	59° 19.1' N 18° 48.6' E	Q.G.	24 7		Green pedestal, lantern.	Radar reflector.
9392 C 6502	-Norra Kanholmen.	59° 22.2' N 18° 44.7' E	Q.R.	13 4		White metal post. Floodlit.	Visible 103°06'-327°48'.
9396 C 6498	-Klovholmen.	59° 22.3' N 18° 45.1' E	Fl.(2)W.R.G. period 6s	23 7	W. 6 R. 4 G. 3	Red tower, white top, red lantern.	G. 298°-315°12', W.-347°, R.- 087°24', G.-094°06', W.- 115°06'. Radar reflector.
9400 C 6503	-Branten.	59° 22.5' N 18° 42.9' E	Iso.W.R.G. period 4s	23 7	W. 6 R. 4 G. 3	White tower, yellow top. Floodlit.	G. 261°06'-285°06', W.-289°, R.-022°48', G.-094°06', W.-099°, R.-120°.
9402 C 6505	-Gallnoport.	59° 23.6' N 18° 36.4' E	Fl.W.R.G. period 3s	33 10	W. 6 R. 4 G. 3	White lantern.	W. 105°24'-130°30', G.- 285°12'-289°48', W.- 293°, R.-298°06'.
9404 C 6506	-Sollenkroka.	59° 22.6' N 18° 40.4' E	Fl.W.R.G. period 3s	13 4	W. 10 R. 7 G. 6	White lantern. Floodlit.	G. 075°-084°42', W.-088°24', R.-111°06', G.-123°, W.- 128°06', R.-155°, R.(unintensified)-266°54'.
9408 C 6504	-Magarna Rock.	59° 22.8' N 18° 39.3' E	Fl.(3)W.R.G. period 9s	14 4	W. 6 R. 4 G. 3	White lantern.	W. (unintensified) 208°06'- 269°48', G.-278°42', W.- 281°18', R.-314°36'. F.W. 350m SE. and 0.8M SW.
9420 C 6508	-Kalvo.	59° 22.4' N 18° 36.9' E	Fl.(2)W.R.G. period 6s	52 16	W. 6 R. 4 G. 3	White tower; 34. Floodlit.	G. 225°-262°54', W.-266°24', R.-304°30', W.-340°, W.(unintensified)-080°, W.-111°48'.
9424 C 6510	-Boda.	59° 22.2' N 18° 36.4' E	Q.W.R.G.	23 7	W. 5 R. 4 G. 3	White framework tower.	G. 120°06'-132°06', W.- 144°06', R.-158°, G.- 233°, W.-251°, R.-275°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
9428 C 6514	-Sando Sugga.	59° 23.0' N 18° 34.3' E	Fl.W.R.G. period 3s	23 7	W. 7 R. 5 G. 4	White framework tower, red band; 23.	W.(unintensified) 055°-099°24', G.-122°36', W.-129°06', R.-232°42', G.-298°48', W.-306°, R.-325°30'.
9432 C 6515	-Bolviksnas.	59° 23.7' N 18° 32.2' E	Q.W.R.G.	23 7	W. 5 R. 3 G. 3	White hut, red band, red lantern.	G. 144°30'-147°30', W.-149°48', R.-157°48', G.-193°, R.-257°24', G.-294°54', W.-300°30', R.-309°30'.
9436 C 6516	-Nyvarp.	59° 24.3' N 18° 31.4' E	Fl.W.R.G. period 3s	16 5	W. 6 R. 4 G. 3	White lantern. Floodlit.	R. 123°30'-140°, G.-151°06', W.-157°, R.-161°54', G.-166°54', W.-170°, R.-251°30', G.-309°18', W.-312°42', R.-320°48'.
9440 C 6532	-Varmdolandet.	59° 24.0' N 18° 26.5' E	Q.R.G.	17 5	R. 4 G. 3	White metal framework tower; 13. Floodlit.	G. 273°-345°, R.-167°.
9444 C 6534	-Rinda, SW. side of Oxdjupet Channel.	59° 23.9' N 18° 26.2' E	Q.R.G.	17 5	R. 4 G. 3	White metal framework tower. Floodlit.	R. 115°-138°36', G.-204°36', R.-340°.
9448 C 6518	-Lindalen Range, front.	59° 25.3' N 18° 29.1' E	Iso.W.R.G. period 4s	8 2	W. 6 R. 4 G. 3	White lantern, gray base. Floodlit.	G. 265°06'-295°, W.-305°24', R.-083°06', G.-095°48', W.-097°36', R.-120°.
9452 C 6518.1	--Mansoren, rear, 900 meters 097° from front.	59° 25.2' N 18° 30.1' E	Q.W.	39 12		White pedestal, red rectangular daymark, yellow stripe.	Visible on range line only.
9456 C 6522	-Stora Berteln, N. side.	59° 25.5' N 18° 24.7' E	Q.W.	16 5		Red structure, concrete base. Floodlit.	Visible 098°48'-270°36'.
9460 C 6524	-Brodstycket.	59° 25.4' N 18° 24.3' E	Fl.W.R.G. period 3s	20 6	W. 9 R. 7 G. 6	White lantern, black base; 20. Floodlit.	W. 315°-039°42', R.-075°42', G.-107°54', W.-132°42', R.-240°.
9464 C 6524.5	-Tisterogrundet, on Tistero Kummel.	59° 25.9' N 18° 23.5' E	Fl.(3)W.R.G. period 4s	20 6	W. 9 R. 7 G. 6	White column, black pedestal. Floodlit.	G. 307°18'-323°24', W.-339°54', R.-348°48', G.-002°54', W.-150°12', R.-214°.
9465	-Buoy TISTERO.	59° 26.0' N 18° 24.0' E	Fl.Y. period 3s			SPECIAL Y, pillar.	
	-RACON		T(-)		5		(3 & 10cm).
9468 C 6525	-Vastra Ronnholmen, NW. point.	59° 25.7' N 18° 21.9' E	Q.W.R.G.	13 4	W. 5 R. 3 G. 2	White masonry hut, red band, lantern.	W. 024°42'-206°, R.-220°, G.-224°, W.-235°18', R.-257°12'.
9472 C 6528	-Sandgrundet.	59° 23.7' N 18° 21.7' E	Fl.W.R.G. period 3s	10 3	W. 5 R. 3 G. 2	White lantern.	G. 086°-104°, W.-284°30', R.-305°.
9476 C 6544	-Furuholmen, Oxdjupet Channel, W. entrance.	59° 22.3' N 18° 20.1' E	Fl.W.R.G. period 3s	16 5	W. 6 R. 4 G. 3	White lantern. Floodlit.	R. 340°-044°, G.-069°24', W.-071°42', R.-076°30', G.-157°42', W.-189°12', R.-205°.
9480 C 6545	-Bjornsgrundet.	59° 22.0' N 18° 18.6' E	Iso.W.R.G. period 4s	20 6	W. 4 R. 3 G. 2	White pedestal, red band, black base.	G. 027°30'-072°12', W.-081°36', R.-119°42', G.-130°18', W.-141°06', R.-172°48', G.-241°18', R.-027°30'. Radar reflector.
9484 C 6568	-Varmdo-Garpen.	59° 21.8' N 18° 22.6' E	Oc.W.R.G. period 5s	13 4	W. 5 R. 4 G. 3	White lantern. Floodlit.	G. 093°-099°, W.-102°06', R.-259°, G.-268°36', W.-274°48', R.-292°.
9488 C 6572	-Sodernas.	59° 21.7' N 18° 27.1' E	Fl.W.R.G. period 3s	20 6	W. 5 R. 4 G. 3	White lantern. Floodlit.	G. 336°-049°36', W.-070°, R.-097°, G.-157°48', W.-175°, R.-181°.
9492 C 6571	-Lagnogrundet.	59° 21.5' N 18° 24.9' E	Fl.(3)W.R.G. period 4s	21 6	W. 9 R. 7 G. 6	White pedestal, black base. Floodlit.	G. 108°-135°, R.-187°, G.-271°36', W.-298°, R.-108°. Radar reflector.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
9496 C 6570	-Tynningo, Oxdjupet Channel, N. side.	59° 22.3' N 18° 23.3' E	Fl.(2)W.R.G. period 6s	15	W. 6 5 R. 4 G. 3	Gray tower, white top; 20. Floodlit.	G. 294°-306°, W.-311°24', R.- 343°, W.(unintensified)- 074°, G.-099°30', W.- 100°48', R.-120°.
9504 C 6536	-Bogesund.	59° 22.8' N 18° 18.2' E	Fl.(2)W.R.G. period 6s	13	W. 6 4 R. 4 G. 3	White lantern, gray concrete base. Floodlit.	R. 260°-268°, G.-281°24', W.- 284°06', R.-000°, G.- 090°24', W.-094°48', R.- 106°.
9508 C 6538	-Granholmen, W. extremity.	59° 22.7' N 18° 17.7' E	Fl.W.R.G. period 3s	13	W. 12 4 R. 9 G. 7	White lantern. Floodlit.	G. 299°-319°18', W.-349°54', R.-039°, G.-049°42', W.- 054°30', R.-084°, G.- 094°18', W.-098°48', R.- 285°.
9512 C 6539	-Stora Hoggarnsbank.	59° 22.4' N 18° 16.8' E	Q.W.R.G.	24	W. 8 7 R. 6 G. 5	White hut, black base. Floodlit.	G. 000°-035°24', W.-041°12', R.-060°, G.-178°, R.- 224°, G.-283°, W.-286°, R.-000°. Radar reflector.
9516 C 6545.2	-Lilla Hoggarnsbank.	59° 21.9' N 18° 16.1' E	Q.R.	20	4	White hut, red band, black base. Floodlit.	
9520 C 6546	-Alviksgrundet.	59° 21.8' N 18° 15.5' E	Iso.W.R.G. period 6s	21	W. 12 6 R. 9 G. 8	White tower, red base; 26. Floodlit.	G.(unintensified) 156°48'- 174°, W.(unintensified)- 177°30', R.(unintensified)-187°, R.- 211°06', G.-229°, W.- 235°48', R.-250°30', G.- 270°30', W.-343°24', R.- 010°18', G.-032°42', W.- 043°42', R.-054°12', G.- 069°30'.
9524 C 6540	-Vastra Haga, on Vadero.	59° 23.6' N 18° 10.5' E	Fl.(2)W.R.G. period 6s	16	W. 5 5 R. 4 G. 3	White lantern.	G. 283°18'-290°, W.-297°18', R.-328°30', W.-059°12', G.-088°06', W.-091°, R.- 100°. Occasional.
9528 C 6549	-Kungshamn, entrance to Skurusund.	59° 20.1' N 18° 12.5' E	Fl.W.R.G. period 3s	20	W. 6 6 R. 4 G. 3	White lantern.	G. 045°-058°30', W.-061°54', R.-076°12', G.-090°48', W.-097°54', R.-205°18', G.-219°, W.-227°30', R.- 255°.
9532 C 6541	-Djursholmsudde.	59° 23.7' N 18° 06.1' E	Fl.(4)W.R.G. period 12s	16	W. 6 5 R. 4 G. 3	White lantern.	G. 269°54'-282°18', W.- 285°48', R.-311°24', G.- 028°12', W.-042°54', R.- 061°42'. Occasional.
9536 C 6542	-Aludden.	59° 23.5' N 18° 05.6' E	Fl.(2)W.R.G. period 6s	18	W. 5 5 R. 4 G. 3	White lantern.	G. 223°42'-238°, W.-260°, R.- 275°30', W.-357°12', G.- 001°42', W.-019°54', R.- 036°48'. Occasional.
STOCKHOLM:							
9548 C 6550	-Libertus, N. side.	59° 19.9' N 18° 10.6' E	Fl.(3)W.R.G. period 9s	21	W. 5 6 R. 4 G. 3	White tower.	G. 101°48'-122°36', W.- 126°30', R.-191°30', W.- 261°30'. 2 F.R. shown N.
9556 C 6558	-Blockhusudden.	59° 19.2' N 18° 09.3' E	Fl.(2)W.R.G. period 6s	20	W. 6 6 R. 4 G. 3	White tower, gray base; 16.	W. 186°-211°, R.-222°, G.- 244°42', W.-086°24', R.- 086°30'-095°.
9560 C 6551.2	-Lilla Vartan 4.	59° 21.1' N 18° 07.0' E	Q.R.	19	6	Pole, daymark. Floodlit.	Radar reflector.
STOCKHOLM APPROACH:							
9576 C 6386	-Tjarven.	59° 47.5' N 19° 22.2' E	Fl.(4)W. period 12s		15		Shown 24 hours Nov. 1 to Mar. 31.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
9578 C 6386.9	-Remmargrundets Norra Range, front.	59° 45.9' N 19° 19.0' E	Iso.W. period 4s	26	3	White concrete tower, red band; 21.	Visible 035°-210°. Radar reflector.
9580 C 6387	-Remmargrund, rear, 500m 182°30' from front.	59° 45.5' N 19° 19.0' E	L.Fl.W.R.G. period 8s fl. 2s, ec. 6s	65	W. 13 R. 10 G. 9	Black round tower, red bands. Floodlit.	G. 061°-066°, W.-072°30', R.-148°, G.-176°, W.-207°, R.-226°, G.-238°, W.-256°, R.-281°30', G.-343°30', R.-061°. Radar reflector.
	-RACON		M(- -)		15		(3 & 10cm).
9581 C 6387.2	--Norrskaren.	59° 46.2' N 19° 18.2' E	Fl.G. period 3s	28	2	White concrete tower, green band; 21.	Visible 155°-039°. Radar reflector.
9582 C 6387.3	--Osterskarsbadan.	59° 45.7' N 19° 17.7' E	Fl.(2)G. period 6s	30	2	White concrete tower, green band; 21.	Visible 154°-041°. Radar reflector.
	-Soderarmsleden Channel:						
9584 C 6388.5	--Nygrund.	59° 45.0' N 19° 15.6' E	Fl.(4)G. period 12s	30	5	Green tower, white top, gallery.	
9588 C 6390	--Lerskarsgrund.	59° 44.3' N 19° 13.5' E	Fl.(3)W.R.G. period 9s	39	W. 13 R. 9 G. 8	Black round tower, red bands; 42. Floodlit.	G. 060°-067°, W.-072°30', R.-168°, G.-245°, W.-250°30', R.-060°.
9592 C 6389	--Norra Lerskaret.	59° 44.3' N 19° 14.1' E	Q.W.R.G.	16	W. 9 R. 8 G. 6	Orange pedestal, white top. Floodlit.	G. 060°-072°, W.-243°, R.-255°.
9596 C 6391	-Botveskar.	59° 44.0' N 19° 11.0' E	Fl.(2)W.R.G. period 6s	23	W. 13 R. 9 G. 8	White lantern. Floodlit.	G. 230°-249°30', W.-253°, R.-259°, W.-354°, R.-008°, G.-064°, W.-068°, R.-076°, G.-084°.
9600 C 6382	-Tjocko.	59° 45.3' N 19° 06.2' E	Q.W.R.G.	21	W. 9 R. 7 G. 6	White pedestal, green band. Floodlit.	G. 315°-007°, W.-075°, R.-100°, G.-127°, W.-133°, R.-165°, G.-196°, W.-275°.
9604 C 6394.5	-Farholmsrevet, Granhamnsfjarden.	59° 43.7' N 19° 06.7' E	Iso.W.R.G. period 2s	11	W. 7 R. 4 G. 4	White hut.	G. 235°-302°, W.-305°30', R.-009°, G.-066°30', W.-074°, R.-121°.
	-Furusund Channel:						
9608 C 6412	--Kapellskar.	59° 43.1' N 19° 04.8' E	Fl.(4)W.R.G. period 12s	36	W. 11 R. 8 G. 7	White tower, green band; 30. Floodlit.	G. 180°-194°, W.-204°30', R.-228°, G.-251°, W.-259°30', R.-269°, G.-304°30', R.-013°30', G.-037°30', R.-058°.
9620 C 6412.2	--Svedjelandet Range, front.	59° 43.4' N 19° 03.8' E	F.G.	13	7	Mast, green triangular daymark point up, white stripe.	Shown on request.
9624 C 6412.21	---Rear, 100 meters 269°18' from front.	59° 43.5' N 19° 04.0' E	F.G.	19	7	Mast, green triangular daymark point down, white stripe.	Occasional.
9628 C 6395	--Idskarskobben.	59° 41.6' N 19° 07.4' E	Fl.W.R.G. period 3s	23	W. 5 R. 3 G. 2	White framework tower.	W. 008°-070°, R.-088°, G.-152°, W.-157°, R.-348°, G.-008°. Fishing light. Occasional.
	-Furusundsleden:						
9632 C 6416	--Maro, N. point.	59° 42.2' N 19° 03.6' E	Fl.W.R.G. period 5s	18	W. 10 R. 7 G. 6	Red lantern, white band. Floodlit.	R. 058°-061°, G.-071°, W.-094°, W.-180°30', R.-213°30', G.-221°30', W.-230°30', R.-247°30'.
9636 C 6418	--Alandskobb.	59° 41.2' N 18° 59.1' E	Fl.(2)W.R.G. period 6s	18	W. 10 R. 7 G. 6	Green lantern, white band. Floodlit.	G. 235°30'-241°, W.-245°, R.-267°, R.(unintensified)-010°, G.(unintensified)-023° G.-042°, W.-049°30', R.-057°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
9640 C 6419	--Alandets Grund.	59° 40.9' N 18° 59.0' E	Fl.W.R.G. period 3s	26	W. 9 8 G. 6	Red tower, white band; 20. Floodlit.	W. 036°30'-039°, R.-048°, G.- 052°, W.-055°, R.-066°, G.-128°, R.-229°, G.- 237°, W.-240°, R.-305°, G.-036°30'. Radar reflector.
9644 C 6420	--Furusund, on Yxlan.	59° 39.8' N 18° 55.9' E	Oc.W.R.G. period 4s lt. 3s, ec. 1s	20	W. 10 6 G. 6	Green metal construction and white round concrete pillar. Floodlit.	G. 200°-229°24', W.-233°18', R.-320°, G.-046°, W.- 049°, R.-052°, G.-070°. Radar reflector.
9646 C 6401	--Storvik.	59° 35.5' N 18° 54.7' E	F.W.R.G.	18	W. 5 5 G. 3	White hut; 10.	R. 165°-215°42', G.-244°12', W.-250°12', R.-257°06', G.-263°12', W.-266°30', R.-287°36', G.-045°. Occasional.
9648 C 6421	--Gryten Islet, S. side.	59° 37.1' N 18° 49.1' E	Fl.(4)W.R.G. period 10s	20	W. 9 6 G. 6	White tower, green band. Floodlit.	R. 210°-228°, G.-233°, W.- 234°30', R.-257°, W.- 021°, R.-038°, G.- 051°30', W.-053°, R.- 077°.
9652 C 6422	--Yxlan, SW. side.	59° 35.5' N 18° 47.6' E	Fl.(3)W.R.G. period 9s	23	W. 9 7 G. 5	Red hut, white band. Floodlit.	G. 067°30'-075°, W.-077°, R.- 096°, G.-210°, W.- 216°30', R.-235°.
9656 C 6423	--Vaxlet Norra.	59° 35.2' N 18° 43.7' E	Fl.W.R.G. period 3s	22	W. 9 7 G. 6	White concrete tower, red band.	G. 058°-068°, W.-072°, R.- 085°, W.(unintensified)- 231°, G.-236°, W.-239°, R.-250°, G.-257°, W.- 277°.
9660 C 6424	--Vaxlet Sodra.	59° 35.1' N 18° 43.9' E	Fl.(2)W.R.G. period 6s	13	W. 9 4 G. 6	White pedestal, green band, lantern. Floodlit.	W. 253°-234°, R.-244°, G.- 253°. Radar reflector.
9664 C 6426	--Lunsen.	59° 34.5' N 18° 41.1' E	Q.W.R.G.	22	W. 9 7 G. 6	White pedestal, red band, lantern. Floodlit.	G. 055°-064°, W.-082°, R.- 096°, G.-249°30', W.- 252°30', R.-260°. Radar reflector.
9672 C 6430	--Staboudde.	59° 33.7' N 18° 37.8' E	Fl.(4)W.R.G. period 12s	10	W. 9 3 G. 6	White structure, green band. Floodlit.	G. 237°-239°30', W.-244°, R.- 271°30', G.-005°, W.- 053°30', R.-062°.
9676 C 6431	--Stabogrund.	59° 33.6' N 18° 37.7' E	Q.W.R.G.	16	W. 9 5 G. 6	Red structure, white band. Floodlit.	W. 059°-241°, R.-326°, G.- 059°. Radar reflector.
9680 C 6432	--Ryssmasterna.	59° 31.9' N 18° 32.9' E	Fl.W.R.G. period 6s fl. 1s, ec. 5s	11	W. 10 3 G. 6	Red lantern, white roof. Floodlit.	G. 046°-052°, W.-054°, R.- 142°, G.-232°, W.- 236°30', R.-241°.
9684 C 6433	--Gullholmen.	59° 31.4' N 18° 31.2' E	Fl.(2)W.R.G. period 6s	10	W. 10 3 G. 6	Mast, green and white rectangular daymark. Floodlit.	G. 230°-001°, W.-008°, R.- 056°.
9688 C 6440	--Nykvarnsholmen.	59° 30.7' N 18° 29.6' E	Iso.W.R.G. period 4s	16	W. 9 5 G. 6	Green lantern, white band. Floodlit.	G. 200°-235°, W.-054°, R.- 100°.
9692 C 6442	--Nykvarnsgrund.	59° 30.6' N 18° 29.5' E	Q.W.R.G.	20	W. 9 6 G. 6	Red lantern, white band. Floodlit.	G. 332°-052°, W.-231°, R.- 322°. Radar reflector.
9696 C 6434	--Sandkullen, Ostra Saxafjarden.	59° 30.1' N 18° 31.0' E	Iso.W.R.G. period 4s	11	W. 10 3 G. 6	Red lantern, white roof. Floodlit.	G. 021°06'-028°54', W.- 040°54', R.-114°06', G.- 174°30', W.-184°42', R.- 214°30'.
9700 C 6444	--Vallersvik.	59° 29.9' N 18° 27.6' E	Fl.(4)W.R.G. period 12s	24	W. 10 7 G. 6	White structure, green band. Floodlit.	G. 221°24'-231°54', W.- 234°36', R.-312°30', G.- 019°24', W.-022°12', R.- 034°30'.
9704 C 6446	--Mjolkö, on Rodhall.	59° 27.4' N 18° 25.7' E	Fl.(2)W.R.G. period 6s	13	W. 10 4 G. 6	Green structure, white roof, base. Floodlit.	G. 183°36'-196°06', W.- 203°12', R.-306°54', G.- 352°54', W.-029°, R.- 039°12'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
-Saxarfjarden:							
9708 C 6452	--Ostra Alogrundet.	59° 26.7' N 18° 24.8' E	Iso.W.R.G. period 4s	20	W. 6 R. 4 G. 3	White tower, green lantern; 25. Floodlit.	G. 200°48'-216°12', W.- 245°30', R.-270°54', G.- 282°48', W.-286°06', R.- 340°54', G.-053°42', W.- 064°42', R.-070°54'.
9712 C 6453	--Bjurogrund.	59° 26.6' N 18° 26.4' E	Fl.(2)G. period 6s	13	4	6 Metal framework tower. Floodlit.	
9716 C 6454	--Valbarna, on N. rock.	59° 26.0' N 18° 29.9' E	Fl.(4)W.R.G. period 12s	13	W. 6 R. 4 G. 3	White lantern.	G. 320°06'-329°12', W.- 338°12', R.-034°30', G.- 104°12', W.-107°42', R.- 124°30', G.-187°54', W.- 240°06', R.-270°.
-Furusundsleden:							
9724 C 6436	--Ikkorn, on rock.	59° 29.3' N 18° 29.5' E	Fl.(2)W.R.G. period 6s	23	W. 10 R. 7 G. 6	Red tower, white roof. Floodlit.	G. 202°-217°18', W.-221°06', R.-247°30', G.-349°42', W.-356°06', R.-000°06'.
9728 C 6448	--Ekoren.	59° 28.1' N 18° 25.1' E	Fl.W.R.G. period 4s fl. 1s, ec. 3s	10	W. 10 R. 8 G. 6	Red lantern, white roof. Floodlit.	G. 039°42'-045°06', W.- 050°54', R.-155°30', G.- 223°24', W.-224°42', R.- 244°30'.
9732 C 6450	--Lerviksudde, SE. side of point, S. entrance to channel.	59° 27.2' N 18° 23.2' E	Fl.(2)W.R.G. period 6s	10	W. 10 R. 3 G. 6	White lantern, green band. Floodlit.	G. 210°-222°12', W.-224°30', R.-262°30', G.-015°18', W.- 027°, R.-039°.
SWEDEN-GOTLAND							
9736 C 7210	Hoburg.	56° 55.3' N 18° 09.1' E	Fl.W. period 5s	190	27	White tower, black top; 71.	Obscured near coast by high cliffs at Hoburg.
9740 C 7212	Valar, entrance to Burgsvik Hamn.	57° 01.8' N 18° 13.1' E	Fl.(2)W.R.G. period 6s	23	8 7	White tower; 20.	G. 030°-065°, W.-091°30', R.- 185°, W.(unintensified)- 211°, R.(unintensified)- 230°.
9744 C 7214	Burgsvik Range, front.	57° 03.0' N 18° 17.5' E	Iso.W. period 4s	14	12 4	Post, white square daymark, red stripe.	Visible on range line only. Shown 24 hours.
9748 C 7214.1	-Rear, 270 meters 073° from front.	57° 03.0' N 18° 17.5' E	Iso.W. period 4s	52	12 16	Post, white square daymark, red stripe.	Visible on range line only. Shown 24 hours. Synchronized with front.
9752 C 7211	Nasrevet.	57° 03.4' N 18° 09.6' E	Fl.W.R.G. period 3s	26	W. 7 R. 5 G. 4	Red tower, white top, gray base; 29.	R. 299°-356°, G.-026°, W.- 151°, R.-170°, G.-185°. F.R. 40m marks mast 1.4 miles SSW. Lights mark 4 windmotors 1.5 miles SSW.
BURGSVIK HAMN:							
9756 C 7218	-Range, front.	57° 01.7' N 18° 15.6' E	F.R.	23	7	White mast, white triangular daymark point up.	
9760 C 7218.1	--Rear, 45 meters 175° from front.	57° 02.0' N 18° 15.7' E	F.R.	33	10	White mast, white triangular daymark point down.	
9772 C 7224	Stora Karlso.	57° 17.4' N 17° 57.5' E	L.Fl.(2)W.R. period 12s fl. 2s, ec. 2s fl. 2s, ec. 6s	184	W. 16 R. 13	White tower, dwelling; 59.	R. 192°42'-211°24', W.-233°, R.-340°12', W.-192°42'.
KLINTEHAMN:							
9776 C 7228	-Varsholmen Range, front.	57° 23.5' N 18° 11.3' E	Iso.W. period 4s	22	11 7	White column.	Visible on range line only. Shown 24 hours.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GOTLAND							
9780 C 7228.1	--Rear, 120 meters 055° from front.	57° 24.0' N 18° 11.7' E	Iso.W. period 4s	39 12	11	White column.	Visible on range line only. Shown 24 hours. Synchronized with front.
9782 C 7235	Follingbo , AVIATION LIGHT.	57° 35.3' N 18° 22.3' E	V.Q.W.	797 243	21	Mast.	
VISBY:							
9792 C 7236.5	-N. breakwater.	57° 38.1' N 18° 16.2' E	Q.R.	30 9	9	White tower, green band; 20. Floodlit.	
9796 C 7236	-Approach.	57° 38.1' N 18° 16.4' E	Iso.W.R.G. period 4s	36 11	W. 12 R. 9 G. 8	White tower, red band; 28. Floodlit.	R. 007°-044°, G.-055°, W.-087°, R.-209°, G.-239°, W.-245°, R.-296°.
9800 C 7238	-Old N. breakwater Range, front.	57° 38.4' N 18° 17.0' E	Oc.R. period 12s			Pedestal, red triangular daymark point up, white band.	
9804 C 7238.1	--Rear, 230 meters 055° from front.	57° 38.4' N 18° 17.4' E	Oc.R. period 12s			Pedestal, orange triangular daymark point down, red band.	
9808 C 7242	Flunderreviken Range, front.	57° 40.1' N 18° 19.8' E	FR.	16 5	5	Metal post, red triangular daymark point up, white band.	
9812 C 7242.1	-Rear, 27 meters 096° from front.	57° 40.1' N 18° 19.8' E	FR.	23 7	5	Metal post, red triangular daymark point down, white band.	
9816 C 7246	Stenkyrkehuk, NW. point of Gotland.	57° 49.2' N 18° 28.1' E	Oc.(2)W.R.G. period 12s lt. 6s, ec. 2s lt. 2s, ec. 2s	137 42	W. 10 R. 8 G. 7	White round metal tower; 49.	G. 027°-037°, W.-220°, R.-236°.
9820 C 7248	Lickershamn Range, front.	57° 49.6' N 18° 31.0' E	F.G.	8 2	2	Post, white triangular daymark point up.	Visible on range line only. Occasional.
9824 C 7248.1	-Rear, 40 meters 148° from front.	57° 49.7' N 18° 30.8' E	F.G.	34 10	2	Post, white triangular daymark point down.	Visible on range line only. Occasional.
9828 C 7250	Hallshuk .	57° 55.4' N 18° 44.9' E	L.Fl.(4)W.R.G. period 20s fl. 2s, ec. 2s fl. 2s, ec. 2s fl. 2s, ec. 2s fl. 2s, ec. 6s	107 33	W. 14 R. 11 G. 10	White building.	G. 110°-144°, W.-262°, R.-291°. F.W. (occasional) lights shown at Lutterhorn and Lauters.
9830 C 7252	Kappelshamn.	57° 50.2' N 18° 47.8' E	Iso.W.R.G. period 4s	36 11	W. 12 R. 9 G. 7	Framework tower.	W.(unintensified) 109°-156°30' G.-173°, W.-180°30', R.-196°. 2 F.R. in line 168°30' marks dredged channel.
GOTSKA SANDON:							
9832 C 7150	-Gotska Sandon .	58° 23.6' N 19° 11.6' E	Fl.W. period 5s	139 42	24	Brown wooden tower; 75.	Partially obscured by vegetation 280°-013°.
			FR.	121 37	15		Visible 164°-186°.
9836 C 7156	-Kyrkudden, E. point.	58° 21.9' N 19° 19.3' E	Fl.(3)W. period 9s	41 12	7	White round tower; 41.	Visible 149°-037°.
9840 C 7154	-Hamnudden, SW. point.	58° 20.3' N 19° 12.9' E	Fl.(2)W. period 6s fl. 0.3s, ec. 1s fl. 0.3s, ec. 4.4s	66 20	7	White round tower; 49.	Visible 294°-161°.
9844 C 7162	Faro , Holmudden, E. point of Faro.	57° 57.6' N 19° 20.9' E	Iso.W.R. period 8s	102 31	W. 16 R. 13	White round stone tower; 99.	Obscured to W. and NW. by trees to 140°. R. 007°54'-089°42', W.-174°54', R.-194°54', W.-007°54'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GOTLAND							
9848 C 7160	Faro Norsholm.	57° 59.9' N 19° 14.5' E	Fl.W.R.G. period 3s	29 9	W. 5 R. 3 G. 2	White framework tower.	G. 001°30'-100°12', W.- 209°06', R.-237°12', G.- 265°36', W.-267°12', R.- 001°30'.
9852 C 7163	Bungeor, S. entrance to Farosund.	57° 49.5' N 19° 07.0' E	L.Fl.(2)W.R.G. period 15s fl. 2s, ec. 2s fl. 2s, ec. 9s	46 14	W. 9 R. 7 G. 6	White tower, black band; 46.	G. 201°-206°36', R.-216°, G.- 231°06', W.-235°54', R.- 264°30', G.-308°54', W.- 004°12', R.-031°06', G.- 157°30', R.-182°30'.
9856 C 7164	Farosund Sodra, on Flytan Shoal.	57° 50.9' N 19° 05.9' E	Fl.W.R.G. period 3s	20 6	W. 7 R. 5 G. 4	Red tower; 23. Floodlit.	R. 114°06'-133°24', G.-142°, W.-146°42', R.-151°36', G.-164°18', W.(unintensified) 227°18'- 271°30', R.(unintensified)-290°, R.- 302°24', G.-344°36', W.- 351°, R.-001°30'.
9860 C 7168	Farosund Norra Range, front.	57° 52.7' N 19° 01.9' E	Iso.W. period 3s	32 10	14	White pedestal, white triangular daymark point up.	Visible on range line only. Shown 24 hours Nov. 1 to Mar. 31.
9864 C 7168.1	-Boviken, rear, 1,500 meters 179° from front.	57° 51.8' N 19° 01.9' E	Iso.W. period 3s	82 25	14	White pedestal, white triangular daymark point down.	Visible on range line only. Shown 24 hours Nov. 1 to Mar. 31. Synchronized with front.
9868 C 7170	Aurgrund.	57° 55.3' N 19° 02.4' E	Fl.(3)W.R.G. period 9s	41 12	W. 11 R. 9 G. 8	White tower, black top; 34.	G. 284°36'-011°54', W.- 029°06', R.-103°54', G.- 141°12', W.-198°06', R.- 218°06', G.-225°42'.
9872 C 7171	Svingrund.	57° 56.0' N 19° 00.9' E	Fl.(2)W.R.G. period 6s	36 11	W. 7 R. 5 G. 4	Orange tower, black band; 31.	W. 102°12'-221°42', R.- 359°06', G.-102°12'.
9876 C 7169	Farosund (Haurevlar), 2.2 meters 208° from Aurgrund Light.	57° 54.3' N 19° 01.4' E	Fl.(4)W.R.G. period 5s	26 8	W. 4 R. 3 G. 2	White framework tower, white pedestal, lantern.	R. 249°24'-306°, G.-320°54', W.-329°54', R.-349°54'.
9880 C 7180	Kyllej Fishing Range, front.	57° 45.2' N 18° 57.0' E	F.R.	23 7	2	Post, white triangular daymark point up.	Fishing light. Occasional.
9884 C 7180.1	-Rear, about 110 meters 331° from front.	57° 45.1' N 18° 57.1' E	F.R.	36 11	2	Post, white triangular daymark point down.	Fishing light. Occasional.
9888 C 7178	Grauten.	57° 43.6' N 19° 01.6' E	Fl.(2)W.R.G. period 6s	39 12	W. 7 R. 5 G. 4	Red tower; 36.	R. 051°06'-094°18', G.230°54', W.-248°, R.- 270°06', W.-051°06'.
SLITE HAMN:							
9892 C 7182	-Mago, S. end.	57° 40.7' N 18° 51.3' E	Fl.(3)W.R.G. period 9s	43 13	W. 7 R. 5 G. 4	White tower; 20.	R. 070°-107°, G.-112°, G.(unintensified)-242°, G.-263°, W.-070°.
9896 C 7184	-Grundet, SW. end.	57° 41.7' N 18° 50.0' E	Fl.(2)W.R.G. period 6s	13 4	W. 6 R. 4 G. 3	White lantern.	G. 338°30'-001°, W.-012°, R.- 032°30', G.-137°30', W.- 139°, R.-149°30', G.- 160°30', R.-167°.
9897 C 7185	--Range, front.	57° 42.8' N 18° 48.6' E	Iso.R. period 4s	52 16	8	Framework tower, orange and red triangular daymark point up.	
9897.5 C 7185.1	---Rear, 190 meters 320°30' from front.	57° 42.8' N 18° 48.5' E	Iso.R. period 4s	65 20	8	Framework tower, orange and red triangular daymark point down.	
9898 C 7185.6	--Lannahammen Range, front.	57° 43.1' N 18° 48.6' E	F.G.	16 5	4	Orange triangular daymark point up.	
9898.1 C 7185.61	---Rear, 331° from front.	57° 42.8' N 18° 48.7' E	F.G.	23 7	4	Orange triangular daymark point down.	
9900 C 7186	Botvaldavig Range, front.	57° 35.1' N 18° 48.1' E	F.R.	26 8	3	Post, white triangular daymark point up.	Fishing light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GOTLAND							
9904 C 7186.1	-Rear, about 195 meters from front.	255° 57° 35.2' N 18° 48.4' E	F.R.	36 11	3	Post, white triangular daymark point down.	Fishing light. Occasional.
9908 C 7192	Herrviken, W. breakwater, head.	57° 25.5' N 18° 54.9' E	Fl.W.R.G. period 2s	20 6	4	White pedestal, lantern.	G. 124°-196°, W.-222°, R.-265°, W.-124°.
9912 C 7188	Ostergarnsholme.	57° 26.5' N 18° 59.1' E	L.Fl.(2)W.R. period 15s fl. 2.5s, ec. 2.5s fl. 2.5s, ec. 7.5s	119 36	W. 10 R. 8	White round stone tower, black band; 95.	W. 130°48'-221°48', R.-271°54', W.-080°48'.
9916 C 7189	-W. side of island.	57° 26.5' N 18° 57.6' E	Fl.(2)W.R.G. period 6s	39 12	W. 7 R. 5 G. 4	White lantern.	G. 332°18'-344°36', W.-021°12', R.-042°48', W.-089°06', G.-111°36', W.-113°36', R.-139°24', G.-156°42', W.-190°36', R.-205°30'.
9920 C 7196	Ljugarn, near mole.	57° 19.4' N 18° 42.9' E	Iso.W.R.G. period 4s	46 14	W. 10 R. 7 G. 6	Tank; 39.	W. 251°-301°, R.-342°, G.-000°.
9924 C 7198	Laus Holmar.	57° 16.6' N 18° 45.7' E	Fl.W.R.G. period 3s	26 8	W. 6 R. 5 G. 3	White tower; 20.	R. 021°-030°, R.(unintensified)-115°, G.(unintensified)-119°, G.-211°, W.-021°. Fishing light.
9928 C 7200	Nar.	57° 13.1' N 18° 40.9' E	Oc.W.R. period 8s	69 21	W. 16 R. 13	Red round metal tower, three white bands; 52.	R. 030°-058°, W.(unintensified)-178°, W.-194°, R.-200°, W.-030°.
9932 C 7202	Ronehamn.	57° 10.3' N 18° 32.5' E	Fl.(3)W.R.G. period 9s fl. 0.7s, ec. 1s fl. 0.7s, ec. 1s fl. 0.7s, ec. 4.9s	33 10	W. 7 R. 5 G. 4	Black tower, white top, gray base; 36.	W. 052°-057°, R.-076°, G.(unintensified)-170°, R.(unintensified)-224°30', G.-243°, W.-266°30', R.-350°, G.-052°. Radar reflector.
9936 C 7202.4	Ronehamn Roda Range, front.	57° 10.4' N 18° 29.3' E	F.R.	26 8	8	Post, red triangular daymark point up.	Visible on range line only. Shown 24 hours.
9940 C 7202.5	-Rear, 690 meters from front.	325° 57° 10.6' N 18° 29.0' E	F.R.	56 17	8	Post, red triangular daymark point down.	Visible on range line only. Shown 24 hours.
9944 C 7202.7	Ronehamn Grona Range, front.	57° 10.4' N 18° 29.7' E	F.G.	36 11	7	Mast, white triangular daymark point up.	Visible on range line only. Shown 24 hours.
9948 C 7202.8	-Rear, 151 meters from front.	332° 30' 57° 10.4' N 18° 29.8' E	F.G.	59 18	7	Mast, white triangular daymark point down.	Visible on range line only. Shown 24 hours.
9956 C 7205	Vandburg Range, front.	56° 56.9' N 18° 18.4' E	Q.R.	25 8	2	Mast, red triangular daymark point up.	
9960 C 7205.1	-Rear, about 165 meters from front.	322° 56° 56.9' N 18° 18.5' E	Q.R.	39 12	2	Mast, red triangular daymark point down.	F.G. lights in line 222° mark new fishing harbor 300 meters S.
9964 C 7206	Heligholmen, S. end of islet.	56° 55.4' N 18° 17.1' E	Fl.(2)W.R.G. period 6s	43 13	W. 7 R. 5 G. 4	White tower; 30.	G. 215°-255°06', W.-040°48', R.-080°.

Section 7

Gulf of Bothnia - East Coast of Sweden Including Alands Sea

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-AHVENAN MERI (ALANDS SEA)							
9968 <i>C 6460</i>	Svenska Hogarna.	59° 26.6' N 19° 30.1' E	L.FI.W. period 15s fl. 2s, ec. 13s	102 31	15	Red metal tower; 59.	Intensified 195°-075°.
9972 <i>C 6459</i>	Svenska Bjorn, on S. Klatten.	59° 32.9' N 20° 01.1' E	L.FI.W. period 8s fl. 2s, ec. 6s	106 32	9	Black tower, orange bands, gray base; 105. Helicopter platform.	
			4 Q.W.	52 16	3		Mark middle of tower.
	RACON		B(- • • •)				(3 & 10cm).
9972.2 <i>C 6459.3</i>	Troskeln Ostra.	59° 39.7' N 19° 55.2' E	V.Q.(2)W. period 4s	43 13	8	Orange and white metal post, white top. Helicopter platform.	Radar reflector.
9976 <i>C 6362</i>	Simpnasklubb, on Skoma Karen.	59° 53.6' N 19° 04.8' E	L.FI.W.R.G. period 8s fl. 2s, ec. 6s	66 20	W. 10 R. 7 G. 6	White tower, black band; 52. Floodlit.	G. 135°-144°18', W.-226°42', R.-239°06', G.-254°30', W.-301°, R.-322°48', G.- 356°18', R.(unintensified)-135°.
	RACON		N(- •)		15		(3 & 10cm).
9984 <i>C 6360</i>	-Bylehamn.	59° 54.4' N 18° 59.0' E	F.W.R.G.	23 7	W. 5 R. 4 G. 3	White lantern.	G. 215°-242°, W.-253°, R.- 270°. Fishing light. Occasional.
9992 <i>C 6290</i>	Svartklubben.	60° 10.5' N 18° 49.5' E	L.FI.(2)W.R.G. period 15s fl. 2s, ec. 3s fl. 2s, ec. 8s	62 19	W. 16 R. 13 G. 12	White round tower, black top; 39. Floodlit.	R.(unintensified) 020°- 113°42', G.(unintensified)-130°, G.-147°18', W.-157°30', R.-176°06', G.-182°36', W.-186°30', R.-193°54', G.-240°, W.-341°42', R.- 020°. Shown 24 hours Nov. 1 to Mar. 31.
	RACON		K(- • -)		11		(3 & 10cm).
10000 <i>C 6281</i>	-Singo Langor.	60° 10.9' N 18° 47.8' E	FI.W.R.G. period 3s	23 7	W. 6 R. 4 G. 3	Hut, white lantern.	R. 058°54'-192°12', G.- 212°18', W.-217°12', R.- 239°12', G.-280°18', R.- 295°30'.
10004 <i>C 6282</i>	--Stangskar.	60° 11.7' N 18° 47.6' E	FI.(3)W.R.G. period 9s	21 6	W. 7 R. 5 G. 4	White tower, red top; 20.	G. 117°54'-132°36', R.- 199°42', G.-245°, R.- 293°24', G.-313°18', W.- 319°36', R.-321°54'.
10014	-Storlaget RACON	60° 12.4' N 18° 49.2' E	T(-)		13		(3 & 10cm).
10016 <i>C 6288</i>	Understen.	60° 16.5' N 18° 55.2' E	FI.(4)W. period 15s	157 48	23	White round tower, black top; 128.	
			F.W.R.G.	112 34	15		G. 176°42'-181°24', W.-200°, R.-215°36', W(11M) 340°12'-352°, R.(9M)- 013°30'.
10018 <i>C 6287.5</i>	Marketskallen.	60° 18.5' N 19° 01.8' E	Iso.W. period 4s	51 16	6	Green tower, white band, gray base; 56. Helicopter platform.	
	RACON		M(- -)		15		(3 & 10cm).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-AHVENAN MERI (ALANDS SEA)							
10028 <i>C 6285</i>	Grundkallen.	60° 29.8' N 18° 51.0' E	L.FI.(3)W.R.G. period 20s fl. 2s, ec. 2s fl. 2s, ec. 2s fl. 2s, ec. 10s	105 32	W. 9 R. 7 G. 6	Black tower, red top, gray base; 112. Helicopter platform.	G. 021°30'-131°, W.-136°12', R.-163°12', W.-321°36', G.-336°06', W.-340°, R.- 021°30'. Obscured 050°-155° when within 900 meters from light.
	RACON		G(- - •)		17		(3 & 10cm).
10030 <i>C 6287</i>	S. Kvarken.	60° 25.7' N 19° 05.0' E	Fl.(2)W. period 6s	49 15	7	White structure, green band, gray plinth; 56.	
	RACON		K(- • -)		15		(3 & 10cm).
SWEDEN-GULF OF BOTHNIA							
10032 <i>C 6364</i>	Gavlehassten.	59° 53.0' N 19° 05.1' E	Q.R.G.	30 9	R. 4 G. 3	Black tower, white top; 26.	R. 075°-255°, G.-075°. Radar reflector.
10036 <i>C 6366</i>	Naskubben.	59° 52.5' N 19° 05.0' E	Fl.(3)W.R.G. period 9s	32 10	W. 9 R. 6 G. 5	Red hut, white roof, white base; 23. Floodlit.	G. 164°-171°, R.-271°, G.- 333°, W.-347°, R.-015°.
10044 <i>C 6371</i>	-Simpnasgrynnan.	59° 51.9' N 19° 05.1' E	Iso.W.R.G. period 2s	23 7	W. 6 R. 4 G. 3	White tower, red top, red base. Floodlit.	G. 112°-179°30', R.-205°, G.- 234°, W.-239°, R.-298°, G.-338°30', R.-000°, G.- 025°.
10048 <i>C 6372</i>	-Dejeudden.	59° 51.5' N 19° 05.0' E	Q.W.R.G.	26 8	W. 9 R. 7 G. 6	Red tower, white base. Floodlit.	R. 188°-214°, G.-357°, W.- 001°, R.-007°.
10052 <i>C 6370</i>	-Arholma Range, front.	59° 50.7' N 19° 06.2' E	Iso.W. period 4s	30 9	10	Red tower; 20.	Visible on range line only.
10056 <i>C 6370.1</i>	--Rear, 500 meters 164°30' from front.	59° 50.4' N 19° 06.3' E	Q.W.	69 21	9	Red metal framework tower.	Visible on range line only.
10060 <i>C 6373</i>	-Svedudden, on Bjorko.	59° 50.4' N 19° 04.9' E	Fl.(4)W.R.G. period 12s	23 7	W. 10 R. 7 G. 6	White tower, red base. Floodlit.	G. 156°-187°, W.-197°, R.- 270°, G. 314°, W.-350°, R.-030°.
10064 <i>C 6374</i>	-Tyro, on islet.	59° 46.5' N 19° 07.3' E	Fl.W.R.G. period 5s fl. 0.7s, ec. 4.3s	33 10	W. 10 R. 7 G. 6	White lantern, green band. Floodlit.	G. 021°-028°, W.-035°, R.- 090°, G.-156°, W.-161°, R.-169°.
10068 <i>C 6375</i>	-Graddo, E. side of bay.	59° 46.1' N 19° 01.9' E	Iso.W.R.G. period 4s	23 7	W. 6 R. 4 G. 3	White framework tower, red daymark. Floodlit.	G. 089°-119°18', R.-189°54', G.-270°54', W.-274°30', R.-290°.
10072 <i>C 6376</i>	-Jarnberget.	59° 46.3' N 19° 00.5' E	Fl.W.R.G. period 3s	25 8	W. 5 R. 4 G. 3	White lantern, red band.	G. 065°-100°48', R.-180°18', G.-219°54', W.-232°48', R.-258°48', G.-283°36', R.-320°. Radar reflector.
10076 <i>C 6376.4</i>	-Eknouddle, S. side.	59° 46.5' N 18° 58.9' E	Fl.(2)W.R.G. period 6s	25 8	W. 5 R. 4 G. 3	Green pedestal, white lantern.	G. 259°-279°, W.-281°, R.- 001°, G.-097°, W.-100°, R.-109°.
10080 <i>C 6377</i>	-Kobussoren Range, front.	59° 46.7' N 18° 57.8' E	Iso.W.R.G. period 4s	21 6	W. 6 R. 4 G. 3	White tower, green base, lantern.	G. 180°-286°, W.-024°, G.- 089°, W.-092°, R.-110°. Radar reflector.
10084 <i>C 6377.1</i>	--Rear, about 600 meters 090°30' from front.	59° 46.6' N 18° 58.3' E	Q.W.	36 11	6	White tower, green base, lantern.	
10088 <i>C 6377.5</i>	-Tistelo, S. point.	59° 46.6' N 18° 51.0' E	Fl.(2)W.R.G. period 6s	20 6	W. 5 R. 4 G. 3	White tower, green base, lantern.	G. 251°42'-264°36', W.-270°, R. 348°, G.-069°, W.- 074°, R.-089°30'. Radar reflector.
10092 <i>C 6378</i>	-Harko, N. side of Tjuvholmen.	59° 45.6' N 18° 45.6' E	Q.W.R.G.	15 5	W. 5 R. 4 G. 3	White tower, red base, lantern.	G. 000°-076°, W.-179°, G.- 241°, W.-250°, R.-260°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
10096 C 6379	--Range, front.	59° 45.4' N 18° 43.0' E	Iso.Y. period 4s	16 5	6	Mast, orange triangular daymark point up.	Visible on range line only.
10100 C 6379.1	--Rear, 95 meters 259° from front.	59° 45.4' N 18° 42.9' E	Iso.Y. period 4s	33 10	6	Mast, orange triangular daymark point down.	Visible on range line only. Synchronized with front.
NORRTALJERANNAN:							
10104 C 6379.3	-Norrtaljerannan No 1.	59° 45.5' N 18° 43.4' E	F.G.	10 3	4	Dolphin.	Radar reflector.
10108 C 6379.4	--No 2.	59° 45.4' N 18° 43.4' E	F.R.	10 3	4	Dolphin.	Radar reflector.
10112 C 6379.41	--No 3.	59° 45.4' N 18° 43.2' E	F.R.	10 3	4	Dolphin.	Radar reflector.
VADDOKANAL:							
10116 C 6314	-Hensviksudde.	60° 08.7' N 18° 38.0' E	Fl.W.R.G. period 3s	10 3	W. 5 R. 4 G. 3	White lantern.	G. 115°-126°18', W.-128°54', R.-147°, R.(unintensified)- 225°30', G.(unintensified)-271°, G.-288°06', W.-290°, R.- 306°. Shown Jul. 6 to Jun. 6.
10168 C 6280.1	-Rear, 195 meters 320° from front.	60° 12.3' N 18° 46.7' E	Q.W.	25 8	12	White tower, red top.	
10172 C 6278	Rastensudde, N. point of Singo.	60° 13.3' N 18° 43.7' E	Fl.W.R.G. period 3s	28 9	W. 9 R. 6 G. 5	White lantern, red band.	G. 122°06'-128°24', W.- 132°36', R.-180°12', G.- 228°12', W.-270°12', R.- 289°24', G.-306°18', W.- 309°42', R.-340°.
10176 C 6259.6	Skogsskar.	60° 14.0' N 18° 46.0' E	Fl.(2)W.R.G. period 6s	26 8	W. 7 R. 4 G. 4	White hut, green band.	G. 296°06'-015°36', W.- 061°30', R.-072°, G.- 101°, W.-108°, R.- 119°54'.
10180 C 6261	Vassarogrund.	60° 14.3' N 18° 41.7' E	I.V.Q.W.R.G. period 8s	25 8	W. 5 R. 4 G. 3	White pedestal, red band.	W. 048°12'-180°12', R.- 224°06', G.-262°54', W.- 272°12', R.-310°48', G.- 048°12'. Radar reflector.
10188 C 6260	-Jossan Range, front, 3.5M 114°30' from rear.	60° 14.0' N 18° 44.1' E	Iso.W.R.G. period 4s	18 5	W. 12 W. 7 R. 5 G. 4	White lantern, red top. Floodlit.	G. 103°36'-108°42', W.- 115°06', R.-218°54', G.- 291°54', W.-295°30'.
10192 C 6260.1	--Tolvoregrundet Range, common rear.	60° 15.5' N 18° 37.6' E	Q.W.	77 23	12	Red and gray framework tower; 66.	Intensified on range lines. Shown Jul. 6 to Jun. 6.
	---Auxiliary.		Fl.W.R.G. period 3s	26 8	W. 9 R. 6 G. 5	Masonry hut, red lantern, white band; 20. Floodlit.	G. 129°-131°, W.-134°12', R.- 197°06', W. (unintensified)-279°, G.- 293°12', W.-294°36', R.- 305°24'.
10204 C 6262	Hummelgarden.	60° 16.1' N 18° 36.0' E	Fl.(3)W.R.G. period 9s	22 7	W. 9 R. 6 G. 5	Red pedestal. Floodlit.	G. 132°48'-140°, W.-141°24', R.-223°30', G.-299°42', W.-303°, R.-306°24'. Radar reflector.
10248 C 6244	Djursten.	60° 22.1' N 18° 23.6' E	L.Fl.W.R.G. period 9s fl. 2s, ec. 7s	65 20	W. 11 R. 9 G. 7	White round stone tower, black band, lantern; 49. Floodlit.	G. 136°30'-149°48', W.- 156°30', R.-167°.
10252 C 6235.8	Storskaret.	60° 23.0' N 18° 17.0' E	Fl.(2)W.R.G. period 6s	21 6	W. 6 R. 4 G. 3	Metal structure, red daymark; 19.	G. 240°12'-252°12', W.- 266°06', R.-282°18', G.- 288°18'. 9 meters high framework mast, red, yellow, red rectangular daymark in line 259° 180 meters from light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
10260 C 6235.6	Stanggrundet.	60° 24.0' N 18° 14.0' E	I.V.Q.W.R.G. period 6s	27 8	W. 6 R. 4 G. 3	Metal post, red triangular daymark point up; 20.	G. 090°-181°30', W.-226°, R.- 238°, G.-260°, W.-281°, R.-325°.
10264 C 6243.4	Soderboda.	60° 27.0' N 18° 23.0' E	Q.W.	24 7	3	Post.	Visible 114°-172°. Fishing light. Occasional.
NORRBODA:							
10268 C 6240	-Norra.	60° 30.0' N 18° 22.0' E	Q.W.R.G.	23 7	W. 3 R. 2 G. 1	Post.	G. 144°-157°, W.-166°, R.- 180°, W. 335°-026°. Fishing light.
10272 C 6241	-Sodra.	60° 28.0' N 18° 23.0' E	Fl.W.R.G. period 3s	16 5	W. 4 R. 2 G. 1	Post.	W. 290°-053°, G.-105°, W.- 113°, R.-153°, W.-200°. Fishing light. Occasional.
10276 C 6243	-Engelska Grundet.	60° 27.9' N 18° 19.7' E	Fl.(3)W.R.G. period 9s	70 21	W. 9 R. 6 G. 5	White concrete tower, red top, gray base; 74.	G. 006°06'-108°, R.-126°, G.- 142°, W.-184°06', R.- 219°, G.-265°18', W.- 270°24', R.-295°30', G.- 339°, W.-345°12', R.- 006°06'. Radar reflector.
10280 C 6236	Orskar.	60° 31.6' N 18° 22.4' E	L.Fl.(2)W. period 10s fl. 2s, ec. 2s fl. 2s, ec. 4s	117 36	16	White octagonal tower, two black bands; 108.	Shown 24 hours Nov. 1 to Mar. 31.
10284 C 6234	Angskarsskatan.	60° 30.0' N 18° 05.0' E	Fl.(2)W.R.G. period 6s	19 6	W. 5 R. 4 G. 3	White lantern.	W.(unintensified) 094°42'- 115°36', R.(unintensified)-213°48', G.-228°42', W.-236°42', R.-246°54', G.-269°54', W.-272°, R.-276°54', G.- 281°06', W.-287°, R.- 324°54'. Fishing light.
10288 C 6233	Klungsten.	60° 33.2' N 18° 02.6' E	Fl.W.R.G. period 3s	20 6	W. 6 R. 4 G. 2	White tower; 20.	W. 045°12'-050°24', R.- 137°54', G.-166°12', R.- 201°54', G.-228°48', W.- 234°, R.-280°18', G.- 302°24', R.-357°06', G.- 045°12'. Occasional.
10292 C 6227	Fagelsundet Vastra, Gavle.	60° 36.0' N 17° 56.1' E	Fl.(2)W.R.G. period 6s	18 5	W. 5 R. 3 G. 2	White pedestal.	G. 125°-132°, W.-143°, R.- 158°. Fishing light. Occasional.
10296 C 6238	Argos Grund.	60° 37.7' N 18° 21.6' E	Fl.W. period 3s	56 17	8	White tower, black top, gray base; 59.	
RACON			O(---)		14		(3 & 10cm).
10300 C 6226	Bjorn.	60° 38.3' N 17° 59.2' E	L.Fl.W.R.G. period 10s fl. 2s, ec. 8s	77 23	W. 10 R. 7 G. 6	Black and white tower; 82.	W. 015°-060°, G.-082°, W.- 128°, R.-136°, W.-311°, R.-329°, W.-345°, W.(unintensified)-015°.
10304 C 6228	-Fagelsundet Ostra.	60° 36.2' N 17° 57.0' E	Q.W.R.G.	18 5	W. 5 R. 3 G. 2	White pedestal.	G. 080°-092°, R.-180°, G.- 229°, R.-247°, G.-261°, W.-263°, R.-267°. Fishing light. Reserve light. Occasional.
10308 C 6252	Vastra Banken.	60° 52.7' N 17° 55.1' E	Fl.(2)W. period 6s	84 26	8	Orange tower, black bands, gray base; 88.	
RACON			B(-...)		15		(3 & 10cm).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
10312 <i>C 6250</i>	Finngrundet.	60° 59.1' N 18° 36.3' E	Fl.(2)W.R. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	78 24	W. 12 R. 9	Orange tower, black band, gray base; 81.	R. 046°-122°, W.-042°
	RACON		N(- •)		16		(3 & 10cm).
10324 <i>C 6225</i>	Sikhjalma.	60° 34.7' N 17° 49.0' E	Fl.W.R.G. period 3s	30 9	W. 6 R. 4 G. 3	White pedestal, lantern.	R. 039°12'-139°54', G.-173°36', W.-181°36', R.-193°36', G.-201°36', W.-206°06', R.-219°42'. Fishing light. Occasional.
10328 <i>C 6220</i>	Gardskar.	60° 38.5' N 17° 37.7' E	Fl.W.R.G. period 3s	16 5	W. 6 R. 4 G. 3	White lantern.	G. 131°18'-162°30', W.-169°54', R.-202°36', G.-225°18', W.-229°06', R.-268°06', W.(unintensified) 355°-115°42'.
10337 <i>C 6214.7</i>	E1 Range, front.	60° 38.8' N 17° 23.6' E	Q.R.				
10337.1 <i>C 6214.71</i>	-E2, rear, 184°30' from front.	60° 38.6' N 17° 23.6' E	Iso.R. period 4s				
10338 <i>C 6214.9</i>	E3, front.	60° 38.8' N 17° 24.3' E	F.G.				
10338.1 <i>C 6214.91</i>	-E4, rear, 094° from front.	60° 38.8' N 17° 24.5' E	F.G.				
10340 <i>C 6172</i>	Eggegrund.	60° 43.7' N 17° 33.5' E	Fl.(4)W.R. period 12s		14	White concrete tower, black top; 85.	R. 149°-205°, W.-149°.
10342 <i>C 6173</i>	Purrutsgrund.	60° 47.0' N 17° 27.2' E	Fl.(2)W. period 4s	36 11	10	White metal tower, green band, concrete base; 16.	Visible 049°-053°.
			Fl.(2)W. period 4s		3		
	RACON		M(- -)				(3 & 10cm).
10344 <i>C 6210</i>	Sikvik.	60° 40.1' N 17° 17.9' E	Fl.(2)W.R. period 6s	13 4	W. 3 R. 2	White lantern.	R. 268°-283°, W.-288°. Fishing light. Occasional.
10348 <i>C 6176.1</i>	Limo E.	60° 42.9' N 17° 22.0' E	Dir.W.R.G.	49 15	W. 16 R. 12 G. 8	Framework tower, white rectangular daymark, red band; 46.	F.G. 270°12'-271°12', Al.W.G.-271°43', F.W.-272°13', Al.W.R.-272°42', F.R.-273°42'.
GAVLE CHANNEL:							
10356 <i>C 6184</i>	-Bonan.	60° 44.3' N 17° 19.2' E	Iso.W.R.G. period 6s	33 10	W. 9 R. 7 G. 6	White tower; 33.	G. 240°30'-251°, W.-259°30', R.-274°, G.-289°, W.-292°, R.-318°. Reserve light.
10360 <i>C 6194.5</i>	-Engesberg Range, front.	60° 43.8' N 17° 17.4' E	F.R.	29 9	4	Post, white triangular daymark point up, red border.	Fishing light.
10364 <i>C 6194.51</i>	--Rear, 50 meters 020° from front.	60° 43.8' N 17° 17.4' E	F.R.	34 10	4	Post, white triangular daymark point down, red border.	Fishing light.
10372 <i>C 6186</i>	-Northern entrance No 1, S. side.	60° 43.9' N 17° 19.6' E	Iso.R. period 4s	28 9	5	White tower, red band, concrete base. Floodlit.	Reserve light.
10376 <i>C 6188</i>	--No 2, N. side.	60° 43.8' N 17° 19.1' E	Oc.G. period 4s	28 9	4	White tower, green band, concrete base. Floodlit.	Reserve light.
10380 <i>C 6190</i>	--No 3, N. side.	60° 43.7' N 17° 18.9' E	Iso.G. period 4s	28 9	4	White tower, green band, concrete base. Floodlit.	Reserve light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
10396 C 6196	-Karskar.	60° 41.2' N 17° 16.5' E	Iso.W.R.G. period 3s	33 10	W. 9 R. 7 G. 5	Framework tower.	R. 135°-160°, G.-169°30', W.-178°30', R.-196°30', G.-212°.
10404 C 6195	-Herosgrund.	60° 42.7' N 17° 16.7' E	Oc.R. period 4s	19 6		Orange and gray tower. Floodlit.	
10410 C 6201	-Barsagrundet.	60° 41.0' N 17° 12.2' E	Fl.G. period 3s	20 6			Occasional.
10424 C 6175.9	Skraddarhallan.	60° 45.9' N 17° 21.6' E	Fl.(2)W.R.G. period 6s	18 5	W. 7 R. 5 G. 4	White lantern.	G. 307°-319°06', W.-326°18', R.-020°06'.
			Fl.(2)R. period 6s				12
10428 C 6174	Trodjehallan.	60° 48.4' N 17° 21.4' E	Fl.(3)W.R.G. period 9s	42 13	W. 7 W. 6 G. 5 R. 4 G. 4 G. 3	White concrete tower, orange top; 33.	G. 174°54'-185°, W.-233°, R.-256°, R.(unintensified)-274°, G.-290°18', W.-296°06', R.-310°, G. 340°-348°18', W.-349°06', R.-016°.
10432 C 6175	Skommarhallan.	60° 49.4' N 17° 19.1' E	Q.W.R.G.	20 6	W. 5 R. 4 G. 3	White tower, red band.	R. 186°-197°, G.-231°, W.-269°, R.-341°, G.-007°, W.-011°, R.-029°. Occasional.
10436 C 6168	Iggo, SE. side.	60° 52.5' N 17° 19.7' E	Fl.W.R.G. period 6s	21 6	W. 4 R. 3 G. 2	White pedestal.	G. 190°-207°, W.-358°, R.-075°. Fishing light.
NORRSUND HAMN:							
10440 C 6152	-Hallstensoren.	60° 56.9' N 17° 10.7' E	Fl.(2)W.R.G. period 12s fl. 1s, ec. 2s fl. 1s, ec. 8s	21 6	W. 11 R. 8 G. 9	Orange framework tower, white lantern.	G. 234°-244°36', W.-252°48', R.-270°.
10444 C 6154	-Ryttarharet.	60° 56.6' N 17° 10.5' E	Oc.W.R.G. period 4s	30 9	W. 7 R. 5 G. 5	Framework tower, white lantern.	W. 055°42'-056°36', R.-063°06', W.(unintensified) 112°54'-179°30', G. 226°24'-231°30', W.-235°48', R.-241°. Reserve light.
10448 C 6156	-Norrundet Range, front.	60° 56.5' N 17° 09.6' E	Iso.R. period 4s	26 8		Post, red triangular daymark point up, black stripe.	
10452 C 6156.1	--Rear, 130 meters 244° from front.	60° 56.4' N 17° 09.5' E	Q.R.	36 11		Metal stand, red triangular daymark point down, black stripe.	
10456 C 6158	-Norrundet Inre.	60° 56.2' N 17° 09.5' E	Fl.W.R.G. period 3s	20 6	W. 3 R. 2 G. 2	Metal framework tower, white lantern.	W. 075°06'-125°42', G.-225°36', W.-228°, R.-245°.
10464 C 6146	Gashallan.	61° 00.5' N 17° 17.2' E	Fl.(4)W.R.G. period 12s	33 10	W. 7 R. 5 G. 4	White tower; 26.	R. 080°-097°, G.-125°, W.-174°, R.-198°, G.-220°, W.-325°, R.-332°, G.-348°, R.-003°, G.-031°, R.-048°, G.-080°.
10468 C 6138	-Kushallan.	61° 02.4' N 17° 15.4' E	Fl.(3)W.R.G. period 4s	26 8	W. 6 R. 4 G. 3	White lantern.	R. 123°-145°30', G.-179°, R.-256°, G.-282°, W.-328°, R.-359°.
10472 C 6130	Sunnan.	61° 05.5' N 17° 13.6' E	Fl.W.R.G. period 6s	16 5	W. 6 R. 4 G. 3	Tower.	R. 109°36'-178°12', G.-196°30', W.-202°, R.-289°06', G.-328°, R.-005°.
10476 C 6122	Storjungfrun.	61° 10.1' N 17° 20.1' E	L.Fl.W.R.G. period 8s fl. 2s, ec. 6s	88 27	W. 12 R. 9 G. 7	White tower, black top; 70.	W. 090°-113°, R.-180°, G.-191°, W.-242°, R.-304°, G.-327°, W.-351°, R.-015°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
10480 <i>C 6125</i>	Hogharen.	61° 06.2' N 17° 16.2' E	Q.W.R.G.	19 6	W. 6 R. 4 G. 3	White lantern.	G. 123°-157°, W.-173°, R.-204°, G.-222°, R.-245°, G.-268°, W.-275°, R.-296°. Fishing light.
10484 <i>C 6132</i>	Trollharen Range, front.	61° 05.3' N 17° 11.8' E	F.R.	13 4		Post.	Fishing light. Occasional.
10488 <i>C 6132.1</i>	-Rear, 120 meters 213° from front.	61° 05.4' N 17° 12.1' E	F.R.	19 6		Post.	Fishing light. Occasional.
10492 <i>C 6116</i>	Vallvik Quay Range, front.	61° 11.5' N 17° 10.3' E	F.R.	46 14		White framework tower, white triangular daymark point up, red border.	Auxiliary orange rectangular daymark.
10496 <i>C 6116.1</i>	-Rear, 275 meters 145° from front.	61° 11.3' N 17° 10.5' E	F.R.	58 18		White framework tower, white triangular daymark point down, red border.	R. Lt. on chimney 400 meters SE.
10500 <i>C 6114</i>	Storstensharett.	61° 12.5' N 17° 08.8' E	L.FI.W.R.G. period 8s	18 5	W. 10 R. 7 G. 6	White post; 10.	R. 262°42'-284°48', G.-300°, W.-304°54', R.-309°42', G.-321°06', W.-326°, R.-340°.
10502 <i>C 6114.5</i>	Storgrytan.	61° 12.2' N 17° 09.5' E	FI.W. period 3s	16 5		White hut, red bands.	
10508 <i>C 6114.6</i>	-Ljusne Sodra Range, front.	61° 12.0' N 17° 07.9' E	F.G.	30 9		White triangular daymark point up.	
10512 <i>C 6114.61</i>	--Rear, 90 meters 249° from front.	61° 12.0' N 17° 07.8' E	F.G.	39 12		White triangular daymark point down.	
10516 <i>C 6114.4</i>	-Tralhamn Range, front.	61° 12.3' N 17° 07.7' E	F.G.	16 5		White triangular daymark point up.	
10520 <i>C 6114.41</i>	--Rear, 120 meters 302°30' from front.	61° 12.3' N 17° 07.6' E	F.G.	26 8		White triangular daymark point down.	
10524 <i>C 6112</i>	Vallvik.	61° 11.5' N 17° 10.8' E	Iso.W.R.G. period 4s	30 9	W. 12 R. 8 G. 6	White tower, red band.	R. 146°-168°42', G.-250°48', R.-262°, G.-267°54', W.-271°54', R.-278°48', G.-310°48', W.-313°06', R.-319°. Reserve light. In line 269°30' with orange daymark on 10492.
SODERHAMN APPROACH:							
10528 <i>C 6087</i>	-Hallgrund.	61° 16.6' N 17° 23.8' E	L.FI.(2)W.R.G. period 15s fl. 2s, ec. 2s fl. 2s, ec. 9s	72 22	W. 9 R. 7 G. 6	White tower, red band, gray base; 75.	W. 001°-007°30', R.-018°, G.-024°, W.-033°, R.-054°, G.-075°, W.-078°30', R.-086°, G.-137°30', R.-146°, G.-174°, W.-340°, R.-350°, G.-001°. Reserve light.
	-RACON		G(- - •)			15	(3 & 10cm).
10532 <i>C 6088</i>	-Norrutharet.	61° 15.5' N 17° 17.7' E	FI.(3)W.R.G. period 9s	34 10	W. 7 W. 6 W. 3 R. 5 R. 4 G. 4	White tower; 33.	W. (unintensified) 067°-094°, W.-161°, R.-234°24', G.-255°36', W.-264°06', R.-313°18', G.-332°36', W.-339°42', R.-001°12'.
10536 <i>C 6092</i>	-Klumpudden, N. side of Enskar.	61° 14.6' N 17° 16.6' E	FI.W.R.G. period 4s	16 5	W. 5 R. 4 G. 3	White lantern.	G. 065°18'-104°24', R.-111°42', G.-156°48', W.-162°12', R.-216°42', G.-271°12', R.-300°.
10540 <i>C 6113</i>	-Hovskar Range, front.	61° 13.3' N 17° 10.2' E	F.R.	33 10		Mast, white triangular daymark point up, red border.	
10544 <i>C 6113.1</i>	--Rear, 92 meters 338° from front.	61° 13.3' N 17° 10.2' E	F.R.	52 16		Mast, white triangular daymark point down, red border.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
10546 <i>C 6113.51</i>	-Orrskar Range, front.	61° 13.0' N 17° 09.6' E	Oc.W. period 4s lt. 3s, ec. 1s	26 8	11	Framework tower, white square daymark, red stripe.	
10546.1 <i>C 6113.5</i>	--Rear, 326° from front.	61° 13.1' N 17° 09.5' E	Oc.W. period 4s	49 15	11	Framework tower, red square daymark, white stripe.	Synchronized with front.
10548 <i>C 6093</i>	-Otterhallen.	61° 16.0' N 17° 14.9' E	Fl.(2)W.R.G. period 6s	33 10	W. 5 R. 3 G. 3	Green round tower, yellow band, gallery, concrete base.	G. 238°06'-273°06', W.- 280°06', R.-301°, G.- 331°54', R.-093°06'. Radar reflector.
	-RACON		N(- •)		10		(3 & 10cm).
10552 <i>C 6098</i>	-Brandskar Range, front.	61° 16.0' N 17° 11.1' E	Oc.W. period 4s	36 11	13	Pedestal, white lantern.	
10556 <i>C 6098.1</i>	--Rear, 914 meters 272° from front.	61° 16.0' N 17° 10.0' E	Q.W.	75 23	13	Framework tower, white square daymark.	
10560 <i>C 6100</i>	-Prastholmen.	61° 16.3' N 17° 10.7' E	Fl.W.R.G. period 3s	12 4	W. 7 R. 3 G. 2	Red hut, red concrete pedestal. Floodlit.	G. 266°06'-279°06', W.- 283°12', R.-324°42', G.- 133°30', W.-134°24', R.- 143°12'.
10564 <i>C 6102</i>	-Garpholmen.	61° 16.4' N 17° 10.4' E	Q.W.R.G.	10 3	W. 7 R. 3 G. 2	Post.	R. 123°-307°12', G.-322°54', W.-345°48', R.-002°30'.
10568 <i>C 6106</i>	-Ullbacka Range, front.	61° 17.7' N 17° 07.8' E	F.R.	47 14	6	Gray metal framework tower, white triangular daymark point up.	
10573 <i>C 6106.2</i>	--Rear, 315° from front.	61° 18.0' N 17° 07.3' E	F.R.			Building, white triangular daymark point up.	
10576 <i>C 6108</i>	-Grundvik Range, front.	61° 17.9' N 17° 07.8' E	Q.G.	15 5		Green dolphin.	
10576.1 <i>C 6108.1</i>	--Rear, 327° from front.	61° 18.3' N 17° 07.3' E	Iso.G. period 4s			Rectangular daymark, red stripe; 10.	
10592 <i>C 6111</i>	-Soderhamn Range, front.	61° 18.7' N 17° 05.2' E	Q.G.	20 6	2	White post.	
10596 <i>C 6111.1</i>	--Rear, 180 meters 289° from front.	61° 18.7' N 17° 05.0' E	Oc.G. period 4s	33 10	2	White post.	
10600 <i>C 6086.2</i>	Prastgrundet.	61° 20.7' N 17° 20.0' E	Fl.(4)W.R.G. period 12s	45 14	W. 7 R. 5 G. 4	White tower, black band; 19.	R. 003°-077°, G.-091°, W.- 093°30', R.-135°, W.- 236°, R.-265°, G.-275°, W.-323°, R.-341°30', G.- 003°. Partially obscured 140°-165°.
10604 <i>C 6083</i>	Vitgrund (Hvitgrund), N. side.	61° 23.4' N 17° 11.8' E	Fl.W. period 3s		4		Shown Apr. 15 to Oct. 15.
10608 <i>C 6084</i>	Skarsa.	61° 23.0' N 17° 07.7' E	Q.W.R.G.	16 5	W. 5 R. 4 G. 3	Post.	R. 154°-198°, G.-250°, R.- 340°, W.-154°. Fishing light. Occasional.
10610 <i>C 6084.5</i>	Rodkull.	61° 22.8' N 17° 07.0' E	Fl.R. period 3s	7 2	1		
10612 <i>C 6079</i>	Vatnasudde.	61° 33.1' N 17° 13.3' E	F.W.	36 11		White lantern.	Fishing light. Occasional.
10616 <i>C 6080</i>	Fiske.	61° 30.6' N 17° 12.4' E	Fl.(3)W. period 9s				
10620 <i>C 6081</i>	Haganas (Kattskar).	61° 29.6' N 17° 09.4' E	F.W.	55 17		Column.	Fishing light. Occasional.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
HUDIKSVALL APPROACH:							
10624 <i>C 6060</i>	-Ago.	61° 32.6' N 17° 28.0' E	Fl.W.R.G. period 5s fl. 1s, ec. 4s	102 31	W. 9 R. 6 G. 5	White tower, orange band; 49.	G. 130°-141°30', W.-143°, R.-162°, G.-198°, W.-280°, R.-293°, W.-035°, R.-094°. Partially obscured 048°-094°.
10628 <i>C 6066</i>	-Krako.	61° 33.3' N 17° 19.0' E	Fl.(2)W.R.G. period 6s	23 7	W. 6 R. 4 G. 3	White lantern.	G. 337°30'-350°, W.-007°30', R.-043°, G.-126°-166°, W.-169°, R.-174°54'.
10632 <i>C 6062</i>	-Krakskar.	61° 34.1' N 17° 19.6' E	Fl.(4)W.R.G. period 12s	49 15	W. 9 R. 6 G. 5	Orange tower, white top; 20.	G. 109°-152°, W.-158°, R.-173°, G.-185°, W.-189°, R.-220°, G.-247°, W.-253°, R.-255°, G.-257°, W.-265°30', R.-271°, G.-275°30', W.-281°, R.-285°.
10636 <i>C 6057</i>	-Holickskar.	61° 37.2' N 17° 26.6' E	Iso.W.R.G. period 8s	33 10	W. 10 R. 7 G. 6	White lantern.	G. 277°30'-295°, W.-301°, R.-313°30', G.-323°, W.-340°, R.-025°, G.-047°, W.-051°, R.-057°, G.-093°. Reserve light.
10640 <i>C 6057.4</i>	--S. breakwater of fishing harbor, head.	61° 37.6' N 17° 26.1' E	Q.W.R.G.	16 5	W. 8 R. 6 G. 5	Pedestal, lantern.	G. 013°-070°, W.-077°, R.-094°30', G.-127°, R.-145°. Fishing light. Occasional.
10652 <i>C 6068</i>	-Dukarsund, Mossolandet.	61° 37.4' N 17° 10.9' E	Q.W.R.G.	10 3	W. 6 R. 4 G. 3	White lantern.	G. 075°-082°30', W.-085°12', R.-103°. W.(unintensified)-247°, G.-268°30', W.-273°, R.-283°. The dredged channel to Iggesund is marked by lighted beacons.
10656 <i>C 6069</i>	-Gasfjarden Range, front.	61° 37.2' N 17° 06.3' E	Q.W.	112 34	17	White framework tower, red rectangular daymark, white stripe.	Visible on range line only.
10660 <i>C 6069.1</i>	--Rear, about 498 meters 264°12' from front.	61° 37.1' N 17° 05.2' E	Iso.W. period 4s	154 47	18	White framework tower, red rectangular daymark, white stripe.	Visible on range line only.
10664 <i>C 6070</i>	-Ljusgrund Range, front.	61° 38.9' N 17° 16.0' E	Q.W.	16 5	7	Red cairn.	Visible on range line only.
10668 <i>C 6070.1</i>	--Rear, 1,300 meters 192° from front.	61° 38.2' N 17° 15.7' E	Iso.W. period 4s	27 8	7	Red triangular daymark point down.	Visible on range line only.
10672 <i>C 6071</i>	-Saltviksudde, W. entrance to Kudiksvallfjarden.	61° 40.8' N 17° 14.8' E	L.Fl.W.R.G. period 8s fl. 2s, ec. 6s	36 11	W. 13 R. 10 G. 9	White tower; 34.	G.(unintensified) 140°-210°, R.(unintensified)-293°30', G.(unintensified)-310°, G.-322°, W.-324°, R.-328°.
10676 <i>C 6072</i>	-Gackero, SW. point, E. side of entrance.	61° 40.6' N 17° 16.7' E	Fl.(2)W.R.G. period 6s	13 4	W. 9 R. 7 G. 6	White lantern.	G. 332°-006°30', W.-009°30', R.-031°, G.-073°, W.-079°, R.-148°30', G.-152°, W.-154°, R.-158°. Shown 24 hours Nov. 1 to Mar. 31.
10680 <i>C 6075</i>	-Lusholmen Range, front.	61° 41.3' N 17° 16.3' E	Q.W.	23 7	12	Post, white triangular daymark point up, orange border.	
10684 <i>C 6075.1</i>	--Rear, 340 meters 116° from front.	61° 41.2' N 17° 16.7' E	Iso.W. period 4s	49 15	12	Post, white triangular daymark point down, orange border.	
10688 <i>C 6076</i>	-Lingaro Range, front.	61° 42.4' N 17° 15.0' E	Iso.W. period 3s	37 11	8	Post, white triangular daymark point up, orange border.	
10692 <i>C 6076.1</i>	--Rear, 120 meters 339° from front.	61° 42.5' N 17° 15.0' E	Iso.W. period 3s	56 17	8	Post, white triangular daymark point down, orange border.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
10696 <i>C 6056</i>	Balso, Gashallan.	61° 43.3' N 17° 33.3' E	Fl.(3)W.R.G. period 9s	37 11	W. 8 R. 5 G. 4	White tower; 16.	G. 174°-200°, W.-013°, R.-016°. Reserve light.
10700 <i>C 6052</i>	-Fishing harbor, W. side.	61° 43.6' N 17° 31.0' E	Fl.(3)R.G. period 10s	21 6	R. 2 G. 1	White pedestal.	G. 000°-007°, R.-075°, G.-177°, R.-000°. Fishing light. Occasional.
10704 <i>C 6048</i>	Bergo, NE. point.	61° 48.9' N 17° 25.1' E	Fl.W. period 3s	14 4	5	White pedestal, lantern.	Fishing light. Shown Apr. 1 to Oct. 31.
10708 <i>C 6043</i>	Mellanfjarden, on W. side of Jattendal Fjord.	61° 56.9' N 17° 20.7' E	Q.W.R.G.	33 10	W. 6 R. 4 G. 3	Framework tower, white lantern.	W.(unintensified) 170°-275°, G.-283°, W.-292°30', R.-308°30', G.-330°.
10720 <i>C 6044.5</i>	-Mellanfjardens Range, front.	61° 57.0' N 17° 21.0' E	Iso.W. period 4s	20 6		Mast, white triangular daymark point up.	Two F.G. lights in line 006° located at Mellanfjarden Fishing Harbor, close E. of range lights.
10724 <i>C 6044.6</i>	--Rear, 90 meters 329° from front.	61° 57.6' N 17° 20.5' E	Iso.W. period 4s	30 9		Mast, white triangular daymark point down.	Synchronized with front.
10732 <i>C 6042</i>	Gran.	62° 00.8' N 17° 37.7' E	Fl.W.R.G. period 5s fl. 1s, ec. 4s	98 30	W. 9 R. 7 G. 6	Framework tower, white dwelling.	R. 022°-039°, G.-056°, W.-059°30', R.-080°, G.-125°30', W.-197°, R.-234°, W.-022°.
10736 <i>C 6040</i>	Furuskar, S. side.	62° 11.2' N 17° 32.3' E	Fl.(2)W.R.G. period 8s	16 5	W. 5 R. 4 G. 3	White lantern.	G. 299°-320°, W.-328°, R.-340°, W.(unintensified)-045°.
10740 <i>C 6041</i>	Bramo Kalv.	62° 10.9' N 17° 40.5' E	Fl.(4)W.R.G. period 12s	40 12	W. 15 R. 12 G. 10	White tower; 30.	G. 270°-284°, W.-313°, R.-351°30', G.-008°30', W.-014°, R.-024°30', G.-068°, W.-071°, R.-085°, G.-180°, W.-200°.
10744 <i>C 6032</i>	Bramo Cable Range, E. side, front.	62° 12.4' N 17° 40.8' E	F.R.	36 11	7	Framework tower, white triangular daymark point up, red border.	Marks Cable.
10748 <i>C 6032.1</i>	-Rear, 70 meters 120° from front.	62° 12.4' N 17° 40.9' E	F.R.	49 15	7	Framework tower, white triangular daymark point down.	
10752 <i>C 6030</i>	Bramon.	62° 13.1' N 17° 44.4' E	Oc.(2)W.R.G. period 20s	102 31	W. 18 R. 15 G. 13	White stone tower, black band; 53.	G. 123°-137°, R.-152°, W.-340°, R.-022°. Shown 24 hours Nov. 1 to Mar. 31.
10756 <i>C 6034</i>	Lorudden, NE. side of Bramosund.	62° 14.0' N 17° 39.6' E	Oc.W.R.G. period 5s	16 5	W. 10 R. 7 G. 6	White lantern.	G. 148°-156°, W.-263°, R.-338°, G.-355°, W.-004°, R.-045°. Shown 24 hours Nov. 1 to Mar. 31.
SUNDSVALL APPROACH:							
10760 <i>C 6036</i>	-Draghallan.	62° 20.4' N 17° 26.4' E	Mo.(A)W.R.G. period 10s fl. 1s, ec. 1s fl. 3s, ec. 5s	42 13	W. 16 R. 13 G. 12	White tower, orange top; 46.	R. 052°36'-087°48', G.-142°12', W.-145°, R.-170°54', G.-248°, W.-251°54', R.-273°30', G.-289°, W.-296°, R.-316°, G.-348°. G.(unintensified)-018°, G.-052°36'. Shown 24 hours Nov. 1 to Mar. 31. Radar reflector.
10764 <i>C 6036.4</i>	-Sundsvall AVIATION LIGHT.	62° 22.1' N 17° 19.1' E	V.Q.W.	1476 450	21	Orange and white metal framework tower.	6 F.R. shown from same tower.
10766 <i>C 6037</i>	-Kubikenborg Range, front.	62° 22.6' N 17° 22.0' E	F.R.	15 5	6	Post, white triangular daymark point up, red border.	
10766.1 <i>C 6037.1</i>	--Rear, 60 meters 310° from front.	62° 22.7' N 17° 22.0' E	F.R.	25 8	7	White triangular daymark point down, red border.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
10768 C 6037.4	-Tjuvholmen, W. side.	62° 23.1' N 17° 22.1' E	Q.W.R.G.	12 4	W. 9 R. 7 G. 5	White lantern.	G. 320°30'-325°30', W.-331° R.-035°, G.-105°48', W.- 114°18', R.-125°. 2 F.R. 7M lights in line 267° mark pipeline 870 meters NNW.
10772 C 6037.6	-Kokaren Range, front.	62° 23.9' N 17° 21.5' E	F.R.	21 6	5	Pole, red triangular daymark point up.	
10776 C 6037.61	--Rear, 65 meters 020° from front.	62° 23.9' N 17° 21.5' E	F.R.	33 10	5	Pole, red triangular daymark point down.	
10778 C 6039	-Alno Bridge.	62° 26.0' N 17° 23.9' E	Oc.W. period 4s			Floodlit.	Bridge marked by F.Y. lights. Numerous 2 F.R. range lights mark cables in Alno Sundet.
	-RACON		HS(•••• •••)		4		(3 & 10cm).
10780 C 6028	Gistaholmen.	62° 29.4' N 17° 24.2' E	Fl.W.R.G. period 3s fl. 0.7s, ec. 2.3s	33 10	W. 6 R. 4 G. 3	Framework tower, white lantern.	G. 054°-069°, W.-077°, R.- 084°, R.(unintensified)- 107°, W.(unintensified)- 200°, R.(unintensified)- 234°, G.-246°, W.- 258°30', R.-280°. 2 F.R. 7M lights in line 243° mark pipeline 2.1 miles WSW.
10784 C 6025	Salsternarna.	62° 28.5' N 17° 28.5' E	Q.W.R.G.	33 10	W. 6 R. 4 G. 3	White tower, black top; 26.	G. 121°48'-139°42', W.- 270°06', R.-284°36', G.- 299°36', W.-321°12', R.- 350°. 2 F.R. 8M lights in line 047° at Soraker 1.9 miles NNE. Radar reflector.
10788 C 6024	Granon.	62° 26.1' N 17° 31.4' E	Fl.(2)W.R.G. period 6s	33 10	W. 5 R. 4 G. 3	Framework tower, white lantern.	G. 330°-343°, W.-357°, R.- 015°, R. (unintensified)- 090°, G. (unintensified)- 150°, G.-161°, W.-164°, R.-166°30', G.-169°30', W.-172°30', R.-180°.
10792 C 6021	Rodogubben.	62° 23.0' N 17° 36.1' E	Fl.W.R.G. period 3s	43 13	W. 7 R. 5 G. 4	Black tower, white top; 39.	G. 150°-180°, W.-232°, R.- 252°, G.-270°, W.-347°, R.-015°.
10796 C 6023	Spikarna.	62° 21.9' N 17° 31.8' E	Q.W.R.G.	33 10	W. 6 R. 4 G. 3	White tower.	G. 280°-297°, W.-307°, R.- 000°.
10800 C 6022	Gubben.	62° 21.0' N 17° 34.7' E	Oc.W.R.G. period 8s	49 15	W. 12 R. 9 G. 8	White tower, red top; 33. Floodlit.	R. 021°-078°, G.-083°, W.- 085°, R.-136°, G.- 151°30', W.-153°, R.- 180°, G.-203°, W.-207°, R.-230°, G.-250°, W.- 313°, R.-317°, G.- 320°30', W.-327°, R.- 338°, G.-021°.
10804 C 6020	Astholsudde.	62° 23.3' N 17° 44.0' E	Iso.W.R.G. period 8s	46 14	W. 14 R. 11 G. 10	White lantern.	G. 213°30'-216°, W.-051°, R.- 059°, G.-070°, W.- 072°30', R.-080°, G.- 106°, W.-111°, R.-118°. Shown 24 hours Nov. 1 to Mar 31. Reserve light.
10805 C 6020.5	Aston.	62° 25.6' N 17° 43.0' E	Fl.W.R.G. period 7.5s	43 13	W. 4 R. 1 G. 2	White hut, red band.	W. 100°-180°, G.-228°, W.- 280°, R.-315°.
10808 C 6016	Skarpudden.	62° 28.8' N 17° 49.2' E	L.Fl.W.R.G. period 12s fl. 2s, ec. 10s	45 14	W. 6 R. 4 G. 3	White lantern.	G. 230°-237°, W.-273°, R.- 288°, W.-018°, R.-050°, G.-067°, W.-105°, R.- 145°.
10810 C 6015	Vanta Litetsgrund.	62° 29.5' N 18° 17.0' E	Fl.W. period 3s	62 19	9	Black tower, orange top; 66.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
10812 <i>C 6014</i>	Storholmen, SW. point of Harnon.	62° 33.3' N 17° 55.8' E	Fl.(2)W.R. period 6s	30	W. 6 9 R. 4	White lantern.	W. 322°54'-013°48', R.-067°42', W.-187°06'.
10820 <i>C 6012</i>	Harnoklubb.	62° 36.0' N 18° 03.4' E	Fl.(4)W. period 12s			12	
10824 <i>C 6011</i>	Harno Sodra.	62° 36.5' N 18° 03.8' E	Q.W.	42 13		6 White pedestal, lantern.	Visible 180°06'-051°54'.
10828 <i>C 6008</i>	Harnosand Hamn.	62° 38.7' N 17° 57.3' E	Q.W.R.G.	26	W. 9 8 R. 7 G. 5	Red tower, white band; 21.	G. 025°30'-141°30', W.-157°54', R.-198°, G.-230°24', W.-264°06', R.-275°.
ANGERMANALVEN:							
10832 <i>C 5988</i>	-Stromskaten.	62° 39.5' N 18° 00.2' E	Fl.(2)W.R.G. period 6s	39	W. 12 12 R. 9 G. 7	Orange lantern, white base. Floodlit.	G. 290°-313°24', W.-323°30', R.-062°42', G.-154°48', W.-174°, R.-210°.
10834 <i>C 5988.5</i>	--SE. point.	62° 38.5' N 18° 05.4' E	Oc.W. period 6s	95		9 White tower, black top; 95.	Visible 213°-115°. Shown May to Oct.
10836 <i>C 5990</i>	-Valo, NE. point.	62° 44.2' N 17° 59.3' E	Fl.W.R.G. period 3s	38	W. 6 12 R. 4 G. 3	White tower, orange top; 36.	G. 138°-157°30', W.-358°, R.-138°.
10840 <i>C 5992</i>	-Abordso, W. side.	62° 47.1' N 17° 56.8' E	Fl.(2)W.G. period 6s	39	W. 9 12 G. 5	White tower, orange top; 36. Floodlit.	W. 143°30'-066°, G.-143°30'.
10844 <i>C 5994</i>	-Hornoholmen.	62° 48.8' N 17° 54.8' E	Fl.(2)W. period 6s	36		5 Aluminum framework tower, orange square daymark.	Radar reflector.
10848 <i>C 5998</i>	-Sprangsviken, W. side of channel.	62° 51.8' N 17° 53.7' E	Fl.W. period 3s	36		9 Aluminum framework tower, orange square daymark. Floodlit.	Radar reflector.
10850 <i>C 6000.6</i>	-Svano Sodra.	62° 53.4' N 17° 52.2' E	Q.W.R.G.	49	W. 7 15 R. 4 G. 4	Framework tower, red rectangular daymark, white stripe.	G. 320°06'-328°06', W.-331°36', R.-345°42', W. (unintensified)-100°.
10850.5 <i>C 6000</i>	-Sandobron.	62° 53.1' N 17° 53.1' E	Oc.W.	82		2 Center of span.	On both sides of bridge.
			2 Oc.R.G.				
			2 Oc.G.(vert.)				Mark starboard side of channel.
	-RACON		HS(•••• •••)			2	(3 & 10cm).
10851 <i>C 6001</i>	Svanon Isle, E. side.	62° 54.1' N 17° 51.9' E	Iso. W.R.G. period 4s	20	W. 9 6 R. 6 G. 5	Aluminum framework tower.	W. 005°30'-086°, R.-147°, G.-160°18', W.-169°, R.-190°, G.-005°30'.
10852	-Kapellbommen.	62° 56.0' N 17° 47.8' E	Q.R.	7		Float, lantern.	Radar reflector: painted red and yellow. Shown from Jul. 20 to May 20.
10856 <i>C 6004</i>	-Litano, E. side of channel.	62° 58.0' N 17° 47.8' E	Fl.(2)W.R.G. period 6s	14	W. 7 4 R. 5 G. 4	White lantern.	G. 312°-320°30', W.-329°30', R.-355°, W.(unintensified)-085°, G.-111°30', W.-116°30', R.-131°, G.-164°.
10868 <i>C 5982</i>	Karingsbergsudden.	62° 47.4' N 18° 11.1' E	Fl.(2)W.R.G. period 6s	30	W. 8 9 R. 5 G. 4	Orange lantern.	G. 249°48'-253°30', W.-278°12', R.-007°42', G.-048°18', W.-052°30', R.-061°54'.
10872 <i>C 5983.4</i>	Valsudde.	62° 46.1' N 18° 06.6' E	Q.W.	49		5 Metal framework tower, orange square daymark.	Radar reflector.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
10876 C 5993.6	Hornon.	62° 47.9' N 17° 57.8' E	Fl.(4)W.R.G. period 12s	43 13	W. 6 R. 4 G. 3	Pylon.	G. 292°24'-296°54', W.- 300°54', R.-306°06'.
			F.R.	600 183			
10878 C 5993.3	Hogakustenbron Bridge.	62° 47.9' N 17° 56.3' E	2 F.W.			Center of span.	One light visible from SE. One light visible from NW.
10878.1 C 5993.4	-SW. side.	62° 47.6' N 17° 55.9' E	Fl.R. period 3s	131 40	3	Bridge.	
10878.2 C 5993.5	-NE. side.	62° 48.2' N 17° 56.7' E	Fl.G. period 3s	131 40	3	Bridge.	
10880 C 5993	Veda.	62° 47.6' N 17° 55.9' E	Fl.W.R.G. period 3s	38 12	W. 9 R. 7 G. 5	Pylon.	R. 129°06'-135°42', G.- 142°42', W.-147°42', R.- 153°30', G.-258°42', W.- 279°06', R.-303°54', G.- 328°, W.-333°06', R.- 347°54'.
			F.R.	600 183			
10882	-Hogaskusten RACON.	62° 47.7' N 17° 56.0' E	M(- -)		20		(3 & 10cm).
10884 C 6001.4	Frano.	62° 54.1' N 17° 51.6' E	I.V.Q.W.R.G. period 6s	39 12	W. 9 R. 6 G. 5	Aluminum framework tower, orange square daymark. Floodlit.	G. 135°-172°, W.-187°, R.- 210°, G.-225°, R.-000°. Reserve light.
10888 C 5989	Sannasundet.	62° 42.1' N 17° 59.3' E	Q.W.R.G.	36 11	W. 9 R. 7 G. 5	Aluminum framework tower, orange square daymark facing S. and white square daymark facing N. Floodlit.	G. 130°-183°30', W.-356°30', R.-130°. Reserve light. Radar reflector.
10890 C 5980	Hogbonden.	62° 52.0' N 18° 28.7' E	Fl.(4)W. period 12s	246 75	15	White tower; 46.	Visible 190°-070°. Shown Nov. 1 to Mar. 31.
10891 C 5979.6	Algsjo.	62° 53.3' N 18° 27.6' E	Fl.W. period 3s		5		
10892 C 5978	Ytternasan.	62° 57.8' N 18° 33.4' E	Iso.W.R.G. period 4s	45 14	W. 13 R. 10 G. 9	White tower, black band; 26.	G. 140°-192°42', W.-210°06', R.-237°, G.-266°54', W.- 288°, R.-307°36', G.- 341°06', W.- 005°, R.- 065°. Shown 24 hours Jan. 1 to Mar. 31.
10896 C 5979	Gnaggen, on rock, 2.7 kilometers S. of Sodra Ulvon.	62° 56.8' N 18° 37.2' E	I.V.Q.W.R.G. period 6s	33 10	W. 6 R. 4 G. 3	White pedestal, lantern.	R. 024°-092°, G.-140°54', W.- 171°48', R.-207°54', G.- 234°54', W.-024°.
10900 C 5976	Flasan, E. entrance to Ulvohamn.	63° 01.0' N 18° 41.3' E	Fl.(3)W.R.G. period 9s	43 13	W. 8 R. 6 G. 5	White concrete tower, black bands; 21.	G. 174°06'-191°12', W.- 192°30', R.-202°, G.- 213°18', W.-337°54', R.- 347°54', G.-357°48', W.- 008°30', R.-050°. R.(unintensified)-099°06', W.(unintensified)-174°06'.
10904 C 5977	Ulvohamn Range, front.	63° 01.4' N 18° 39.8' E	F.R.	33 10	3	Post.	
10908 C 5977.1	-Rear, 40 meters 336° from front.	63° 01.2' N 18° 39.7' E	F.R.	41 12	3	Post.	
10912 C 5975	Askaret.	63° 01.5' N 18° 40.5' E	Fl.(2)W.R.G. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	33 10	W. 6 R. 4 G. 3	White hut.	G. 045°-059°30', W.-060°36', R.-188°06', G.-203°42', R.-221°54', G.-235°36', W.-238°42', R.-243°36', G.-264°36', W.-308°42', R.-330°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
10913 C 5977.2	Ulvosundet, N. side.	63° 00.9' N 18° 38.1' E	Fl.W.R.G. period 3s	11 3	W. 6 R. 4 G. 3	Pedestal, white lantern.	G. 237°54'-250°48', W.- 255°06', R.-321°54', G.- 357°42', W.-003°42', R.- 018°54'.
10914 C 5977.3	-E. side.	63° 00.8' N 18° 38.2' E	Iso.W.R.G. period 4s	12 4	W. 4 R. 3 G. 2	Pedestal, white lantern.	R. 005°48'-029°18', G.- 049°54', W.-215°12', R.- 243°.
10915 C 5977.4	-S. side.	63° 00.6' N 18° 37.8' E	Q.W.R.G.	22 7	W. 4 R. 2 G. 2	Orange pedestal, lantern.	G. 051°30'-064°, W.-073°06', R.-225°42', G.-241°18'.
10916 C 5974	Rone Flase.	63° 04.4' N 18° 38.4' E	Fl.W.R.G. period 3s	42 13	W. 9 R. 7 G. 5	White tower, red band; 41.	R. 176°-186°, G.-213°, W.- 217°, R.-239°, G.- 242°30', W.-248°, R.- 276°30', G.-016°, W.- 022°30', R.-038°.
10920 C 5973	Trysundaon.	63° 08.4' N 18° 45.4' E	L.Fl.W.R.G. period 8s fl. 2s, ec. 6s	32 10	W. 7 R. 5 G. 4	Green tower; 24.	G. 000°-016°, W.-036°, R.- 057°30', G.-111°, W.- 116°30', R.-155°, G.- 209°, W.-219°30', R.- 224°, G.-250°.
10924 C 5972.4	Kopmanholmen Range, front.	63° 10.5' N 18° 35.1' E	F.R.	23 7		White triangular daymark point up, red border.	Marks outfall pipeline.
10925 C 5972.41	-Rear, 35 meters 250° from front.	63° 10.6' N 18° 35.2' E	F.R.			White triangular daymark point down, red border.	
10928 C 5952	Skagsudde.	63° 11.3' N 19° 01.0' E	Fl.(4)W. period 12s	128 39		White tower, red band; 85.	Shown 24 hours Nov. 1 to Mar. 31.
10932 C 5954	Skaghallen.	63° 10.8' N 19° 00.2' E	Q.W.R.G.	36 11	W. 5 R. 4 G. 3	Black tower, white top; 20.	G. 186°-291°, W.-117°, R.- 186°. Radar reflector.
	RACON		M(- -)			10	(3 & 10cm).
10936 C 5951	Skags Flasor.	63° 12.4' N 19° 05.2' E	Fl.(3)W.R.G. period 9s	30 9	W. 8 R. 6 G. 5	White lantern, red band; 20.	W. 197°-203°30', R.-215°, G.- 219°30', W.-224°30', R.- 235°, G.-277°, W.-307°, R.-326°, G.-348°, W.- 358°, R.-035°, G.-110°.
10940 C 5953	Alloviken, W. side.	63° 12.8' N 19° 01.9' E	Fl.(2)W.R.G. period 6s	17 5	W. 8 R. 5 G. 4	White lantern.	G. 295°-328°30', W.-333°, R.- 015°.
ORNSKOLDSVIK APPROACH:							
10960 C 5960	-Raskarson.	63° 11.8' N 18° 54.5' E	L.Fl.W.R.G. period 8s fl. 2s, ec. 6s	78 24	W. 14 R. 11 G. 10	White lantern.	G. 148°-164°18', W.-172°12', R.-284°, G.-300°18', W.- 340°36', R.-000°. Shown Nov. 1 to Mar. 31.
10964 C 5962	-Skommarskatan.	63° 12.2' N 18° 53.0' E	Fl.W.R.G. period 3s	20 6	W. 10 R. 7 R. 3 G. 6 G. 2	White tower, red band; 20.	G. 190°-204°06', W.-208°12', R.-278°, G.-289°30', R.- 322°, G.-045°, W.- 048°24', R.-052°.
10970 C 5967	-Alfredshem N. Range, front.	63° 15.9' N 18° 42.8' E	F.G. (neon)	7 2		Green chevron daymark point up, white triangular daymark point up, green border.	2 Iso.R. 4s lights 280 meters NNW. 2 Iso.R. 4s lights 2150 meters NE.
10970.1 C 5967.1	--Rear, 150 meters 247°18' from front.	63° 15.8' N 18° 42.6' E	F.G. (neon)	20 6		Green chevron daymark point down, white triangular daymark point down, green border.	
10971 C 5967.3	-Alfredshem S. Range, front.	63° 15.8' N 18° 42.8' E	F.R. (neon)	7 2		Red chevron daymark point up, white triangular daymark point up, red border.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
10971.1 C 5967.31	--Rear, 150 meters 247°36' from front.	63° 15.8' N 18° 42.7' E	FR. (neon)		20 6	Red chevron daymark point down, white triangular daymark point down, red border.	
10972 C 5968	-Ornskoldsvik, W. pier, head.	63° 17.2' N 18° 42.7' E	Iso.R. period 3s		33 10	8 Post.	Visible 283°18'-358°54'.
10976	Sjalbadan Beacon, RACON	63° 15.2' N 19° 12.1' E	G(- - •)			12	
10980 C 5946	Husum, on Aggo.	63° 18.3' N 19° 08.1' E	Iso.W.R.G. period 4s		43 13	W. 11 R. 9 G. 8	White tower, red band; 23. R. 130°-188°, G.-204°, W.-222°, R.-252°, G.-269°, W.-279°, R.-291°, G.-301°, W.-305°, R.-315°, G.-324°.
10984 C 5948	Dombackso Range, front.	63° 19.7' N 19° 09.3' E	FR.		30 9	10 Mast, white triangular daymark point up, red border.	Shown Jul. 20 to May 20.
10988 C 5948.1	-Rear, 125 meters 006°18' from front.	63° 19.7' N 19° 09.1' E	FR.		49 15	10 Mast, white triangular daymark point down, red border.	
10992 C 5944	Blagrundet.	63° 27.0' N 19° 26.0' E	Fl.W.R.G. period 6s		16 5	W. 6 R. 4 G. 3	Aluminum framework tower. G. 025°-031°, W.-035°, R.-039°.
10996 C 5928	Storbadan, SE. side.	63° 24.5' N 19° 35.4' E	Fl.(3)W.R.G. period 12s		56 17	W. 9 W. 4 R. 7 G. 5	White tower, black band; 52. W. (unintensified) 178°-222°06', R.-251°54', G.-270°30', W.-273°30', R.-292°30', G.-309°48', W.-329°12', R.-345°42', G.-355°18', W.-038°30', R.-059°, G.-065°.
11000 C 5925.4	Villinsgrundet.	63° 19.0' N 19° 25.2' E	L.Fl.W. period 12s fl. 3s, ec. 9s		62 19	8 Red tower, white top, gray base; 66.	
11004 C 5925	Norra Langrogrundet.	63° 19.3' N 19° 40.7' E	Fl.(2)W.R.G. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s		58 18	W. 8 R. 6 G. 5	Black tower, white band, gray base, white lantern; 69. G. 021°-066°, W.-185°, R.-206°, G.-227°, W.-233°, R.-271°, G.-281°, W.-350°, R.-021°.
	RACON		O(- - -)			15	(3 & 10cm).
11020 C 5938	-Kyrkhalludden.	63° 28.6' N 19° 36.4' E	Iso.W.R.G. period 3s		26 8	W. 11 R. 8 G. 7	White tower, red band; 23. G. 340°-355°30', W.-358°, R.-002°30', G.-020°, R.-131°, G.-165°.
JARNAS HAMN:							
11024 C 5936	-Jarnas Sando, on Sando.	63° 27.9' N 19° 36.9' E	Fl.(2)W.R.G. period 3s		22 7	W. 10 R. 9 G. 9	White lantern, red band. G. 345°-359°, W.-002°, R.-112°, G.-151°, W.-152°30', R.-170°. Emergency light.
11044 C 5923	Sydostbrotten, on Vernalgrund.	63° 20.2' N 20° 10.4' E	Fl.(3)W. period 20s fl. 2.5s, ec. 2.5s fl. 2.5s, ec. 2.5s fl. 2.5s, ec. 7.5s		112 34	9 Orange tower, black bands, gray base; 112.	
			Q.W.			3	One on each corner of tower.
	RACON		B(- • • •)			17	(3 & 10cm).
11048 C 5926	Tjaruskarssund Range, front.	63° 28.0' N 19° 46.0' E	F.G.		16 5	White cairn.	Fishing light.
11052 C 5926.1	-Rear, 145 meters 003° from front.	63° 28.0' N 19° 46.0' E	F.G.		30 9	Post, white diamond daymark.	Fishing light.
11056 C 5920	Bonden.	63° 26.0' N 20° 02.3' E	Fl.W. period 6s		115 35	13 White round concrete tower, black band; 66.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
11058 C 5903	Logaren.	63° 32.9' N 20° 00.5' E	Fl.W.R.G. period 3s	59 18	W. 8 R. 5 G. 4	White tower, black base; 62.	G. 131°-165°, R.-206°, G.- 240°, W.-243°, R.-257°, G.-291°, W.-322°, R.- 131°. Radar reflector.
NORRBYSKAREN HARBOR:							
11068 C 5910	-Norrbyskar.	63° 32.7' N 19° 50.0' E	Iso.W.R.G. period 4s	16 5	W. 6 R. 4 G. 3	White tower, black base; 20.	G. 001°-004°, W.-006°, R.- 018°, G.-026°, W.-032°, R.-050°, obsc.-097°, G.(unintensified)-106°, obsc.-172°, G.(unintensified)-207°, W.(unintensified)-211°, R.(unintensified)-225°, G.(unintensified)-242°.
11076 C 5912	-Bedragaren Rock.	63° 34.0' N 19° 51.0' E	Q.R.	7 2		1 Black framework tower.	Shown Sep. 15 to close of navigation.
11124 C 5902	Norrmjole.	63° 39.3' N 20° 07.5' E	F.W.R.G.	11 3	W. 3 R. 2 G. 1	Framework tower, white lantern.	G. 310°-022°, W.-028°, R.- 040°. Fishing light.
UMEA APPROACH:							
11132 C 5880	-Gunvorsgrund.	63° 29.3' N 20° 26.6' E	Fl.(3)W.R.G. period 9s	72 22	W. 9 R. 6 G. 5	White tower, black band, gray base; 75.	R. 036°-064°, G.-075°, W.- 083°, R.-171°, G.-186°, W.-036°.
	-RACON		G(- - •)			16	(3 & 10cm).
11136 C 5882	-Storbrannihgen.	63° 38.3' N 20° 22.0' E	Fl.(3)W.R.G. period 9s	33 10	W. 7 R. 5 G. 4	Red tower, white top, gray base; 26.	G. 070°-144°, W.-146°, R.- 205°, G.-301°, R.-070°. Radar reflector.
11140 C 5881	-Vaktaren.	63° 36.9' N 20° 25.2' E	L.Fl.(2)W.R.G. period 15s fl. 2s, ec. 3s fl. 2s, ec. 8s	66 20	W. 9 R. 7 G. 6	Orange tower, white top, black base; 69.	W. 076°54'-080°, R.-107°, G.- 138°, R.-146°, G.-203°, R.-255°, G.-292°, W.- 312°42', R.-317°, G.- 321°24', W.-327°18', R.- 350°, G.-076°54'.
			4 Q.Y.	33 10		2	
	-RACON		K(- • -)			5	(3 & 10cm).
11144 C 5878.9	-Petlandskar, Sodra, 115 meters from center light, rear.	63° 39.3' N 20° 23.6' E	Q.W.	43 13		7 Wooden framework tower.	Visible on range line only. In line 268° with center light.
11148 C 5879	--Center, Ostra.	63° 39.4' N 20° 23.8' E	Iso.W. period 4s	29 9		12 Wooden framework tower.	Visible on range line only.
11152 C 5879.1	--Front, Vastra, 110 meters from center light.	63° 39.4' N 20° 23.7' E	Q.W.	17 5		7 Wooden framework tower.	Visible on range line only. In line 112°30' with center light.
11156 C 5887	-Lillbaden.	63° 38.9' N 20° 20.5' E	Fl.W.R.G. period 3s	21 6	W. 6 R. 4 G. 3	White hut, red base.	G. 140°-162°, W.-167°, R.- 254°, G.-273°48', W.- 290°12', R.-310°. Radar reflector (orange colored).
11160 C 5887.5	-Revet.	63° 39.3' N 20° 20.5' E	Fl.(2)W.R.G. period 3s	49 15	W. 9 R. 7 G. 6	White tower, green band, gray base; 36. Floodlit.	G. 014°-152°, W.-159°, R.- 264°, G.-319°, W.- 322°30', R.-014°.
11164 C 5884	-Bredskarssund on Obbola, front.	63° 39.7' N 20° 18.8' E	Q.W.	24 7		13 White round tower; 23.	Visible 220°-310°. Intensified on range line.
11168 C 5884.1	--Rear, 225 meters 000°30' from front.	63° 39.8' N 20° 18.8' E	Iso.W. period 4s	52 16		13 White fiberglass tower, stone base.	Intensified on range line.

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SWEDEN-GULF OF BOTHNIA							
11172 <i>C 5886</i>	-Bredskar Range, front.	63° 39.7' N 20° 19.7' E	Q.W.	16	19	Framework tower, white square daymark.	Visible 220°-310°. Shown 24 hours Nov. 1 to Mar. 31.
11176 <i>C 5886.1</i>	--Rear, 250 meters 318° from front.	63° 39.8' N 20° 19.5' E	Oc.W. period 8s	43	15	Framework tower, black band, white lantern, white square daymark.	Shown 24 hours Nov. 1 to Mar. 31.
11178 <i>C 5887.8</i>	-Dyan Shoal.	63° 39.4' N 20° 19.9' E	Mo.(A)W.R.G. period 10s		8	White round tower, red top, gallery.	G. 170°30'-175°54', W.-178°, R.-184°18', G.-186°12'.
11180 <i>C 5888</i>	-Fjardgrund.	63° 40.1' N 20° 20.5' E	Oc.(2)W.R.G. period 12s lt. 6s, ec. 2s lt. 2s, ec. 2s	59	W. 18 R. 15 R. 6 G. 13 G. 5	White tower, red band; 69. Floodlit.	G. 307°-329°30', W.-333°, R.-342°, obsc.-008°, G.(unintensified)-018°, obsc.-091°, G.(unintensified)-110°, R.(unintensified)-120°. Shown 24 hours from Nov. 1 to Mar. 31.
11184 <i>C 5889</i>	-Hillskar Range, front.	63° 40.8' N 20° 20.5' E	Iso.R. period 3s	33	10	Tower, white triangular daymark point up, red border.	Visible on range line only.
11188 <i>C 5889.1</i>	--Rear, 301 meters 335° from front.	63° 40.9' N 20° 20.3' E	Iso.R. period 3s	49	10	Tower, white triangular daymark point down, red border.	Visible on range line only. Synchronized with front.
11192 <i>C 5890.6</i>	--Eastern Approach Range, front.	63° 41.4' N 20° 20.7' E	F.G.		4	Mast, white rectangular daymark, green stripe; 89.	
11196 <i>C 5890.61</i>	--Rear, 306 meters 344°42' from front.	63° 41.5' N 20° 20.6' E	F.G.		4	Mast, white rectangular daymark, green stripe; 105.	
11208 <i>C 5895</i>	-Patholmsviken.	63° 41.6' N 20° 21.4' E	Q.W.R.G.	16	W. 5 R. 3 G. 2	Pole, red triangular daymark point up.	G. 270°-340°, R.-349°, G.-017°, W.-022°, R.-085°. Fishing light. Daymark in line 020° 470 yards from light.
11212 <i>C 5894</i>	-Umea Uthamn Range, front.	63° 42.1' N 20° 20.9' E	F.R.	62	8	White mast, orange triangular daymark point up.	
11216 <i>C 5894.1</i>	--Rear, 45 meters 034°48' from front.	63° 42.1' N 20° 20.9' E	F.R.	82	8	Structure, orange triangular daymark point down.	
11220 <i>C 5897</i>	-Obbola Kablar Range, front.	63° 42.3' N 20° 19.7' E	F.R.	26	3	Post, white rectangular daymark, red stripe.	
11224 <i>C 5897.1</i>	--Rear, 268° from front.	63° 42.3' N 20° 19.5' E	F.R.	73	3	Post, white rectangular daymark, red stripe.	
11228 <i>C 5891.5</i>	-Bredviken.	63° 41.1' N 20° 18.3' E	Q.W.R.G.	12	W. 5 R. 3 G. 2	Post.	G. 205°-248°, W.-271°, R.-287°, G.-296°, W.-304°, R.-320°, G.-337°, R.-000°. Occasional.
11232 <i>C 5898</i>	-Tuvan Range, front.	63° 44.8' N 20° 19.1' E	F.R.	12	12	Column, white triangular daymark point up, black stripe.	Visible on range line only. Shown Jul. 20 to close of navigation season. Occasional. The channel to Umea above Tuvan is marked by range beacons showing W., R., and G. lights of characteristic F, Fl and Oc.
11236 <i>C 5898.1</i>	--Rear, 125 meters 347° from front.	63° 44.9' N 20° 19.1' E	F.R.	23	12	Column, white triangular daymark point down, black stripe.	Visible on range line only. Shown Jul. 20 to close of navigation season. Occasional.
11240 <i>C 5876</i>	Vastra Kvarken Rofagern Fishing Range, front.	63° 44.0' N 20° 32.0' E	F.R.	13		Post.	Fishing light.
11244 <i>C 5876.1</i>	--Rear, 140 meters 353° from front.	63° 44.2' N 20° 32.3' E	F.R.	29		Post.	Fishing light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
11248 <i>C 5874</i>	Nordvalen.	63° 32.2' N 20° 46.3' E	Iso.W.R.G. period 8s	80 24	W. 17 R. 17 G. 16	Black concrete tower, orange band, gray base, orange lantern; 85. Floodlit. Helicopter platform.	W. 035°06'-039°36', R.-051°, G.-139°, R.-230°42', G.-246°54', W.-261°36', R.-284°36', G.-035°06'. Al.R.G. on bearing 139°, F.G. on 338°. Shown 24 hours Nov. 1 to Mar. 31.
	RACON		N(- •)		15		(3 & 10cm).
11252	Jagaroren RACON.	63° 40.8' N 20° 55.5' E	OE(- - - •) period 30s		15		
11268 <i>C 5860</i>	Byviken.	63° 48.3' N 20° 52.1' E	Q.W.R.G.	26 8	W. 9 R. 6 G. 5	Column; 16.	R. 135°-168°, G.-187°, W.-195°, R.-205°. Shown from Aug. 1 to close of navigation season.
11272 <i>C 5864</i>	Bergudden.	63° 47.5' N 20° 50.2' E	Iso.W.R.G. period 6s	58 18	W. 18 R. 15 G. 13	Brown wooden tower, white band on SW. side; 56.	G. 010°-028°, W.-038°, R.-051°30', G.-197°, W.-206°, R.-230°. Shown 24 hours Nov. 1 to Mar. 31. Emergency light.
11276 <i>C 5862</i>	Holmo Cable Range, front.	63° 48.0' N 20° 52.0' E	F.R.	33 10	7	Post, white triangular daymark point up, red border.	
11280 <i>C 5862.1</i>	-Rear, 240 meters 120° from front.	63° 48.2' N 20° 52.2' E	F.R.	52 16	7	Post, white triangular daymark point down, red border.	
11282 <i>C 5866</i>	Oston Range, front.	63° 49.4' N 20° 42.3' E	F.W.	6 2	4	Post, white triangular daymark point up.	Shown during navigation season only.
11282.5 <i>C 5866.1</i>	-Rear, 30 meters 279° from front.	63° 49.4' N 20° 42.3' E	F.W.	10 3	4	Post, white triangular daymark point down.	Shown during sailing season only.
11284 <i>C 5854</i>	Norrjarden Outer Range, front.	63° 51.5' N 20° 44.1' E	Q.R.	30 9	13	Post, yellow triangular daymark point up, red border.	
11288 <i>C 5854.1</i>	-Rear, 175 meters 284° from front.	63° 51.5' N 20° 44.4' E	Fl.R. period 2s	46 14	13	Post, yellow triangular daymark point down, red border.	
11292 <i>C 5855</i>	Norrjarden Inner Range, front.	63° 51.8' N 20° 43.8' E	Q.G.	21 6	13	Post, white triangular daymark point up, black border.	
11296 <i>C 5855.1</i>	-Rear, 55 meters 309° from front.	63° 51.8' N 20° 43.8' E	Fl.G. period 2s	31 9	13	Post, white triangular daymark point down, black border.	
11300 <i>C 5848</i>	Rataskar.	63° 59.5' N 20° 53.9' E	Mo.(D)W.R.G. period 20s fl. 6s, ec. 2s fl. 2s, ec. 2s fl. 2s, ec. 6s	86 26	W. 17 R. 14 G. 12	White tower, white gable, building; 26.	R. 174°-215°, G.-237°, W.-256°, R.-270°, G.-280°, W.-332°, R.-006°, G.-011°30', R.-017°. Shown Jul. 1 to Jun. 10. Shown 24 hours Nov. 1 to Mar. 31.
11304 <i>C 5852</i>	Ratan Sodra, W. side of channel.	63° 59.2' N 20° 53.7' E	Fl.W.R.G. period 3s	30 9	W. 9 R. 7 G. 5	White lantern.	G.(unintensified) 125°-157°, W.(unintensified)-167°, R.(unintensified)-313°, R.-320°54', G.-339°42', W.-342°42°, R.-357°48'.
11308 <i>C 5847</i>	Rata Storgrund.	63° 59.2' N 21° 06.8' E	Fl.(2)W. period 6s	52 16	8	Red tower, white top; 56.	Radar reflector.
	RACON		G(- - •)				
11312 <i>C 5844</i>	Sikea, W. side of entrance.	64° 08.3' N 20° 59.1' E	Fl.W.R.G. period 3s	20 6	W. 6 W. 2 R. 4 G. 3	White lantern, red band.	W.(unintensified) 179°-269°, G.-290°, W.-304°30', R.-358°.
11316 <i>C 5846</i>	-Hamn Range, front.	64° 10.0' N 20° 59.0' E	F.R.	27 8	4	Post, building, white triangular daymark point up.	
11320 <i>C 5846.1</i>	-Rear, 420 meters 336° from front.	64° 09.5' N 20° 58.4' E	F.R.	49 15	4	Mast, white triangular daymark point down.	

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SWEDEN-GULF OF BOTHNIA							
11324 <i>C 5840</i>	Yttre Vannskar.	64° 09.7' N 21° 07.8' E	Fl.(3)W.R.G. period 9s fl. 0.7s, ec. 1.3s fl. 0.7s, ec. 1.3s fl. 0.7s, ec. 4.3s	52 16	W. 9 R. 6 G. 5	White tower, red top, black diagonal stripe; 36.	G. 219°30'-223°30', W.-228°30', R.-237°30', G.-247°24', W.-353°48', R.-004°06', G.-015°, W.-022°, R.-040°, R.(unintensified)-049°54', W.(unintensified)-084°06'.
11328 <i>C 5833</i>	Kallviksklubben.	64° 18.0' N 21° 22.6' E	Q.W.R.G.	30 9	W. 6 R. 4 G. 3	White lantern, base.	G. 177°42'-243°06', W.-284°, R.-298°, G.-309°, W.-000°, R.-061°48', G.-066°48'. Fishing light.
11332 <i>C 5836</i>	Krakangersfjarden Range, front.	64° 18.2' N 21° 14.8' E	F.R.	33 10	5	Mast.	Visible on range line only.
11336 <i>C 5836.1</i>	-Rear, 220 meters 341° from front.	64° 18.2' N 21° 14.9' E	F.R.	59 18	5	Mast.	Visible on range line only.
11340 <i>C 5834</i>	Munkvik.	64° 19.0' N 21° 21.0' E	F.W.R.G.	21 6	W. 3 R. 2 G. 1	Red framework tower, white lantern.	G. 255°-277°, W.-295°, R.-326°, obsc.-333°, G.-341°, W.-345°, R.-000°. Fishing light. Shown on request. Occasional.
11344 <i>C 5833.3</i>	Kallviken Range, front.	64° 19.9' N 21° 22.2' E	F.R.	21 6	5	Mast, white triangular daymark point up.	Shown Jul. 20 to Dec. 31.
11348 <i>C 5833.31</i>	-Rear, 110 meters 344° from front.	64° 19.8' N 21° 22.5' E	F.R.	33 10	5	Mast, white triangular daymark point down.	Shown Jul. 20 to Dec. 31.
11356 <i>C 5826</i>	Bjuroklubb.	64° 28.8' N 21° 34.5' E	Oc.W. period 10s	164 50	18	Yellow stone tower, house; 23.	Shown Jul. 1 to Jun. 10. Shown 24 hours Nov. 1 to Mar. 31.
11360 <i>C 5828</i>	-NE.	64° 28.9' N 21° 34.8' E	Fl.(3)W.R.G. period 6s	38 12	W. 10 R. 8 G. 6	White lantern.	G. 167°-185°, W.-224°06', R.-285°12', G.-315°54', W.-323°06', R.-340°.
11364 <i>C 5824</i>	Burea Hamn Range, front.	64° 37.0' N 21° 15.0' E	F.R.	26 8	8	White triangular daymark point up, black border.	Visible on range line only. Shown from Jul. 20 to close of navigation. Occasional.
11368 <i>C 5824.1</i>	-Rear, 660 meters 275°30' from front.	64° 37.1' N 21° 13.5' E	F.R.	53 16	8	White triangular daymark point down, black border.	Visible on range line only. Shown Jul. 20 to close of navigation. Occasional.
SKELLEFTEA APPROACH:							
11380 <i>C 5811.8</i>	-Sor-Olsgrundet.	64° 38.7' N 21° 16.3' E	Fl.W.R.G. period 5s	46 14	W. 7 R. 6 G. 5	Framework tower; 46.	R. 199°-244°, G.-258°30', W.-270°, R.-300°, G.-310°, W.-199°.
	-RACON		M(- -)		12		(3 & 10cm).
11384 <i>C 5810</i>	-Gasoren.	64° 39.8' N 21° 19.0' E	L.Fl.(2)W.R.G. period 12s fl. 2s, ec. 2s fl. 2s, ec. 6s	56 17	W. 16 R. 13 G. 12	White octagonal concrete tower, red band; 43.	G. 215°30'-276°30', W.-285°30', R.-301°30', G.-314°30', W.-315°30', R.-329°, G.-348°, R.-066°, G.-114°, W.-122°, R.-215°30'. Emergency light.
11384.2 <i>C 5810.5</i>	--Gamla Gasoren.	64° 39.8' N 21° 19.1' E	Oc.W. period 10s	36 11	5	Tower, dwelling.	Visible 135°-235°, and 335°-090°.
11388 <i>C 5813</i>	-Kopparudden.	64° 39.7' N 21° 16.8' E	Fl.W.R.G. period 3s	41 12	W. 9 R. 7 G. 6	Orange tower, white lantern; 20. Floodlit.	G. 226°36'-238°54', R.-280°, G.-303°18', W.-310°12', R.-061°, G.-095°54'.
11392 <i>C 5816.4</i>	-Nasgrundet.	64° 40.0' N 21° 18.0' E	Q.W.	13 4	5	White cairn, black top.	Radar reflector.

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SWEDEN-GULF OF BOTHNIA							
11396 <i>C 5816.9</i>	-Tjuvkistan Range, front, 169 meters 158°48' from common rear.	64° 40.9' N 21° 17.7' E	Iso.G. period 3s	26 8	8	Mast, white triangular daymark point up, red border.	Synchronized with 11400.
11400 <i>C 5817</i>	--Common rear.	64° 41.0' N 21° 18.0' E	Iso.W. period 3s	36 11	13	Mast, white triangular daymark point down, red border.	
11404 <i>C 5817.1</i>	--Front, 175 meters 159°42' from common rear.	64° 40.9' N 21° 17.7' E	Iso.R. period 3s	26 8	9	Mast, white triangular daymark point up, red border.	Synchronized with 11400.
11408 <i>C 5816</i>	--Oil Harbor entrance Range, front.	64° 41.0' N 21° 16.0' E	Oc.W.R.G. period 8s	26 8	W. 9 R. 6 G. 5	Framework tower, white triangular daymark point up.	G. 320°30'-330°, R.-021°, G.-081°, W.(unintensified)-086°30', R.(unintensified)-092°.
11412 <i>C 5816.1</i>	---Middle, 150 meters 329°54' from front.	64° 41.0' N 21° 16.4' E	Oc.W. period 8s	59 18	14	Mast, white triangular daymark point down; 49.	Visible on range line only.
11416 <i>C 5816.2</i>	---Rear, 295 meters 329°54' from middle.	64° 41.1' N 21° 16.2' E	Oc.W. period 8s	92 28	14	Mast, white triangular daymark point down; 39.	Visible on range line only. Synchronized with 11412.
11420 <i>C 5817.4</i>	--Pilot Harbor, on pier head.	64° 41.0' N 21° 17.0' E	F.R.	14 4	6	Post.	
11424 <i>C 5818.4</i>	-Railway embankment, W. of quay.	64° 41.0' N 21° 15.0' E	Dir.W.R.G. period 6s	18 5	W. 9 R. 7 G. 6	White pedestal.	L.FI.G. 285°-288°, L.FI.W.-291°, L.FI.R.-299°.
11436 <i>C 5814.9</i>	-Orviken Range, front, 725 meters 116° from common rear.	64° 41.0' N 21° 12.0' E	Iso.G. period 4s	52 16	8	White framework tower, white triangular daymark point up, red border.	
11440 <i>C 5815</i>	--Common Rear.	64° 40.8' N 21° 11.5' E	Oc.W. period 4s	79 24	13	White framework tower, white triangular daymark point down, red border.	
11444 <i>C 5815.1</i>	-Skelleftehamn Range, front, 725 meters 116°30' from common rear.	64° 40.6' N 21° 12.5' E	Iso.R. period 4s	52 16	9	White framework tower, white triangular daymark point up, red border.	
11456 <i>C 5809</i>	Kagnashallan.	64° 45.0' N 21° 18.2' E	Q.W.R.G.	33 10	W. 5 R. 4 G. 3	Pedestal, white lantern.	G. 140°-182°, W.-193°, R.-236°, G.-259°, R.-311°, G.-336°, W.-340°, R.-346°. Radar reflector.
11460 <i>C 5805</i>	Bergskaret, in entrance to Kagefjarden.	64° 48.6' N 21° 07.1' E	Fl.W.R.G. period 3s	36 11	W. 8 R. 5 G. 4	Red tower, white lantern; 23.	R. 080°-117°, G.-120°30', W.-122°30', R.-130°, G.-168°, R.-270°, G.-282°, W.-291°, R.-355°.
11464 <i>C 5806</i>	Kage-Prickgrund.	64° 49.0' N 21° 06.0' E	V.Q.W.	18 5	4	White metal framework tower.	
11476 <i>C 5789</i>	Nygran.	65° 01.0' N 21° 41.4' E	L.FI.W. period 8s fl. 2s, ec. 6s	63 19	9	White round concrete tower, black band; 69.	Shown Jul. 10 to Jun. 1.
	RACON		G(- - •)		15		(3 & 10cm).
PITEA APPROACH:							
11488 <i>C 5790</i>	-Leskar.	65° 08.2' N 21° 37.7' E	Iso.W.R.G. period 3s	39 12	W. 17 R. 14 G. 13	White tower, red band; 30.	G. 120°-159°42', W.-165°, R.-187°54', G.-328°, W.-346°, R.-351°54', G.-359°06', W.-000°30', R.-009°54', G.-056°48', W.-067°42', R.-079°54'.
11492 <i>C 5790.82</i>	-Medgrundet Range, front.	65° 12.5' N 21° 40.4' E	Fl.W. period 2s	23 7	8	Post, red triangular daymark point up.	
11496 <i>C 5790.83</i>	--Rear, 131 meters 145° from front.	65° 12.4' N 21° 40.5' E	Q.W.	33 10	8	Post, red triangular daymark point down.	
11500 <i>C 5788</i>	-Lillhorun Range, front.	65° 09.5' N 21° 41.5' E	Iso.W.R.G. period 4s	26 8	W. 5 R. 3 G. 3	Mast, white triangular daymark point up.	G. 040°-086°36', W.-091°36', R.-102°24', G.-135°48', W. 159°42'-293°30', R.-301°36'.

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SWEDEN-GULF OF BOTHNIA							
11504 <i>C 5788.1</i>	--Rear, about 1,850 meters 237° from front.	65° 09.0' N 21° 39.5' E	Q.W.R.G.	50 15	W. 5 R. 3 G. 2	Metal framework tower, white triangular daymark point down.	G. 010°-128°06', R.-215° G.- 223°18', W.-256°18', R.- 264°54', partially obscured-270°06'.
11508 <i>C 5790.4</i>	-Hamviken Range, front.	65° 10.6' N 21° 34.1' E	Iso.W. period 4s	60 18	16	Tower, white triangular daymark point up, black border.	Visible on range line only.
11512 <i>C 5790.41</i>	--Rear, 865 meters 226°30' from front.	65° 10.2' N 21° 33.3' E	Q.W.	88 27	16	Tower, white triangular daymark point down, black border.	Visible on range line only.
11516 <i>C 5790.8</i>	-Storsten Sudden Range, front.	65° 13.3' N 21° 39.8' E	Q.W.	26 8	9	Pole, white triangular daymark point up, red border.	
11520 <i>C 5790.81</i>	--Rear, 127 meters 022° from front.	65° 13.3' N 21° 39.8' E	Q.W.	42 13	9	Pole, white triangular daymark point down, red border.	Synchronized with front.
11524 <i>C 5790.89</i>	-Haraholmen Range, front.	65° 14.4' N 21° 37.5' E	Oc.W. period 4s				
11528 <i>C 5790.9</i>	--Rear, 306 meters 044°18' from front.	65° 14.5' N 21° 37.7' E	Oc.W. period 4s				
11536 <i>C 5790.86</i>	-Sandangen Range, front.	65° 14.9' N 21° 35.9' E	Oc.(3)W.R.G. period 10s	26 8	W. 12 R. 9 G. 8	Post, white triangular daymark point up, red border.	G. 310°-318°36', W.-320°18', R.-345°06', G.-355°, R.- 010°.
11540 <i>C 5790.87</i>	--Rear, 600 meters 319°30' from front.	65° 15.1' N 21° 35.4' E	Oc.(3)W. period 10s	39 12	13	Post, white triangular daymark point down, red border.	Synchronized with front.
11544 <i>C 5790.5</i>	-Bondon Range, front.	65° 13.0' N 21° 40.1' E	Iso.W. period 4s	59 18	7	Tower, white triangular daymark point up, black border.	Visible on range line only.
11548 <i>C 5790.51</i>	--Rear, 725 meters 046°30' from front.	65° 13.3' N 21° 40.7' E	Iso.W. period 4s	82 25	6	Tower, white triangular daymark point down, black border.	Visible on range line only. Synchronized with front.
11552 <i>C 5790.6</i>	-Bondofjarden Range, front.	65° 14.5' N 21° 34.2' E	Iso.W. period 3s	26 8	9	Tower, white triangular daymark point up, black border.	
11556 <i>C 5790.61</i>	--Rear, 1,052 meters 320° from front.	65° 14.9' N 21° 33.3' E	Iso.W. period 3s	59 18	9	Tower, white triangular daymark point down, black border.	Synchronized with front.
11558 <i>C 5791</i>	Renoragrundet.	65° 11.7' N 21° 35.0' E	Fl.(3)W.R.G. period 4s	33 10	W. 13 R. 9 G. 8	Red tower, white top, gray base; 36.	W. 161°06'-167°, R.-280°36', G.-335°06', W.-340°12', R.-348°42', G.-161°06'. Shown Jul. 10 to Jun. 1.
11564 <i>C 5792.4</i>	-Hogsbole Range, front.	65° 13.6' N 21° 31.8' E	F.W.	20 6	8	Post.	Visible on range line only.
11568 <i>C 5792.41</i>	--Rear, 400 meters 140° from front.	65° 13.4' N 21° 32.1' E	F.W.	30 9	8	Post.	Visible on range line only. Shown Jul. 10 to Jun. 1.
11572 <i>C 5792</i>	-Pitsundet South Range, No 1, front.	65° 13.9' N 21° 30.8' E	Oc.G. period 4s	18 5	8	Post, white square daymark, black band.	Visible on range line only. Shown Jul. 10 to Jun. 1.
11576 <i>C 5792.01</i>	--Rear, No 3, 120 meters 306° from front.	65° 14.0' N 21° 30.7' E	Oc.G. period 4s	30 9	8	Post, white square daymark, black band.	Visible on range line only. Similar lights mark E. side of channel. Synchronized with front. Shown Jul. 10 to Jun. 1.
11580 <i>C 5792.6</i>	-Ferry slip, E. Range, front.	65° 14.1' N 21° 30.4' E	FR., F.G.	23 7	6	Post, white square daymark, black band.	NW. light R., SE. light G.
11584 <i>C 5792.61</i>	--Rear, 120 meters 207° from front.	65° 14.1' N 21° 30.4' E	FR., F.G.	31 9	6	Post, white square daymark, black band.	NW. light R., SE. light G.
11588 <i>C 5792.2</i>	-Slammermora, N. Range, front.	65° 14.2' N 21° 30.5' E	F.G.	16 5	5	Post, white square daymark, black band.	Visible on range line only.
11592 <i>C 5792.21</i>	--Rear, 130 meters 320° from front.	65° 14.2' N 21° 30.4' E	F.G.	23 7	5	Post, white square daymark, black band.	Visible on range line only.
11596 <i>C 5792.8</i>	-Pitholmsheden Range, front.	65° 14.2' N 21° 30.8' E	Oc.R., Oc.G. period 4s	33 10	6	Post, white square daymark, black band.	Shown Jul. 10 to Jun. 1. Intensified on range line. Separated by width of channel, E. lights R., W. lights G.

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SWEDEN-GULF OF BOTHNIA							
11600 <i>C 5792.9</i>	--Rear, 65 meters 181° from front.	65° 14.3' N 21° 31.1' E	Oc.R., Oc.G. period 4s	44 13	6	Post, white square daymark, black band.	Shown Jul. 10 to Jun. 1. Intensified on range line. Synchronized with front. Separated by width of channel, E. lights R., W. lights G.
11602 <i>C 5793</i>	-Pitsundet North Range, front.	65° 14.5' N 21° 31.0' E	Q.W.	16 5	9	Post, white square daymark, black band.	
11602.1 <i>C 5793.1</i>	--Rear, 115 meters 160° from front.	65° 14.4' N 21° 31.1' E	Q.W.	26 8	10	Post, white square daymark, black band.	Synchronized with front. 4 searchlights shown from posts in channel.
11622 <i>C 5796</i>	Renon.	65° 20.0' N 21° 37.9' E	F.R.		3	Mast.	
11624 <i>C 5744</i>	Norstromsgrund.	65° 06.6' N 22° 19.3' E	Fl.W. period 3s	95 29	8	Orange tower, black bands, gray base; 95.	
	RACON		N(- •)		16		(3 & 10cm).
	RENON:						
11628 <i>C 5745</i>	-Rodkallen Sodra.	65° 18.9' N 22° 22.2' E	L.F.I.W.R.G. period 10s fl. 2s, ec. 8s	72 22	W. 9 R. 7 G. 6	Yellow building, red top, white lantern; 59.	G. 003°30'-011°, W.-015°, R.-023°, G.-119°, R.-169°, G.-194°, R.-244°, G.-264°, R.-296°, G.-337°, W.-340°30', R.-003°30'. Shown Jul. 10 to Jun. 1. Pilot station.
11632 <i>C 5746</i>	Rodkallens Hamn Range, front.	65° 19.0' N 22° 23.0' E	Q.R.				Shown Jun. 1 to Sep. 30.
11636 <i>C 5746.1</i>	-Rear, 32 meters 080° from front.	65° 18.6' N 22° 22.5' E	Iso.R. period 4s				Shown Jun. 1 to Sep. 30.
11637 <i>C 5747</i>	-Inner Range, front.	65° 18.7' N 22° 22.7' E	Q.R.				Shown Jun. 1 to Sep. 30.
11638 <i>C 5747.1</i>	--Rear, 45 meters 030° from front.	65° 18.9' N 22° 22.7' E	Iso.R. period 4s				Shown Jun. 1 to Sep. 30.
11640 <i>C 5748</i>	Farstugrunden.	65° 19.8' N 22° 45.0' E	L.F.I.W. period 8s fl. 2s, ec. 6s	88 27	13	Orange tower, gray base; 95.	
	RACON		B(- • • •)		17		(3 & 10cm).
	LULEA APPROACH:						
11644 <i>C 5749</i>	-Borussiagrund.	65° 21.2' N 22° 16.1' E	Fl.W. period 3s	52 16	12	Red round tower, white band, gray base; 56. Floodlit.	
	-RACON		O(- - -)		14		(3 & 10cm).
11650	Grillklippan, RACON.	65° 22.7' N 22° 31.0' E	K(- • -) period 30s		11		
11660 <i>C 5778</i>	-Moro (Taltskar).	65° 29.1' N 22° 57.6' E	F.R.	11 3	4	Post.	Fishing light.
11680 <i>C 5770</i>	-Sandogrundet.	65° 33.0' N 22° 11.8' E	Oc.W.R. period 4s	20 6	W. 12 R. 9	White hut, stone base.	R. 022°30'-148°48', W.-168°.
11688 <i>C 5733</i>	-Storbrando Range, front.	65° 30.5' N 22° 30.8' E	F.R.	16 5	4	Post.	Fishing light.
11692 <i>C 5733.1</i>	--Rear, 170 meters 143° from front.	65° 30.5' N 22° 30.9' E	F.R.	18 5	4	Post.	Fishing light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
11696 C 5735	-Vitfagelrannan.	65° 29.2' N 22° 25.4' E	Q.W.R.G.	46	W. 13 R. 10 G. 9	Red tower, white fiberglass top, gray concrete base; 49.	W. 132°24'-141°12', R.- 161°18', G.-180°18', R.- 303°30', G.-314°54' W.- 324°48', R.-334°54', G.- 346°48', W.-351°06', R.- 050°, G.-132°24'. Shown Jul. 10 to Jun. 1.
11700 C 5734	-Larsgrundet.	65° 28.1' N 22° 27.8' E	L.FI.(3)W.R.G. period 20s fl. 2.5s, ec. 2.5s fl. 2.5s, ec. 2.5s fl. 2.5s, ec. 7.5s	58 18	W. 16 R. 13 G. 12	Black and red tower, white top, gray base; 61. Floodlit.	G. 295°-311°, W.-318°, R.- 346°, G.-017°, R.-045°, G.-060°, R.-096°30', G.- 137°30', W.-162°, R.- 224°, G.-226°, R.-295°. Shown Jul. 10 to Jun. 1 and shown 24 hours Nov. 1 to Mar. 31. Radar reflector.
11702 C 5754.2	-Junkon Range, front.	65° 26.0' N 22° 21.3' E	Q.W.	52 16	14	Mast, red rectangular daymark, white stripe.	
11702.1 C 5754.3	--Rear, 500 meters 009°30' from front.	65° 26.2' N 22° 21.5' E	Iso.W. period 3s	108 33	14	Mast, red rectangular daymark, white stripe.	
11708 C 5736	-Bjornhallan Range, front.	65° 31.2' N 22° 19.6' E	Iso.R. period 3s	33 10	11	White tower, orange triangular daymark point up.	Visible on range line only. Shown 24 hours.
11712 C 5736.1	--Rear, 565 meters 308°30' from front.	65° 31.4' N 22° 19.0' E	Iso.R. period 3s	60 18	11	White tower, orange triangular daymark point down.	Visible on range line only. Synchronized with front. Shown 24 hours.
11716 C 5739	-Liggskar Range, front.	65° 31.2' N 22° 21.9' E	Iso.W. period 3s	23 7	11	White tower, orange triangular daymark point up.	Visible 121°-128°. Shown 24 hours.
11720 C 5739.1	--Rear, 880 meters 128° from front.	65° 30.9' N 22° 22.8' E	Iso.W. period 3s	46 14	11	White tower, orange triangular daymark point down.	Synchronized with front. Shown 24 hours.
11724 C 5740	-Finnklipporna Norra Range, front.	65° 32.4' N 22° 19.4' E	Iso.G. period 3s	26 8	10	White beacon, orange triangular daymark point up.	
11728 C 5739.9	--Rear, 320 meters 342° from front.	65° 32.6' N 22° 19.3' E	Iso.G. period 3s	39 12	10	Metal tower, orange triangular daymark point down.	Synchronized with front. Shown 24 hours Jul. 10 to Jun. 1.
11732 C 5740	-Finnklipporna Range, front.	65° 32.0' N 22° 20.0' E	Iso.R. period 3s	26 8	11	White metal tower, orange triangular daymark point up.	Shown 24 hours.
11736 C 5740.1	--Rear, in line 100°30' with front.	65° 32.3' N 22° 20.6' E	Iso.R. period 3s	48 15	11	White tower, orange triangular daymark point down.	Synchronized with front. Shown 24 hours.
11740 C 5741	-Skvampen Range, front.	65° 32.7' N 22° 17.2' E	Iso.R. period 4s	70 21	6	White framework tower, orange triangular daymark point up.	Shown 24 hours.
11744 C 5741.1	--Rear, 310 meters 309° from front.	65° 32.8' N 22° 16.9' E	Q.R.	92 28	6	White framework tower, orange triangular daymark point down.	Synchronized with front. Shown 24 hours.
11748 C 5743	-Svartosundet Range, front.	65° 32.4' N 22° 16.7' E	Iso.W. period 4s	17 5	11	Pedestal, white triangular daymark point up, red border, concrete base.	Visible on range line only. Radar reflector.
11752 C 5743.1	--Rear, 800 meters 113° from front.	65° 32.2' N 22° 17.7' E	Q.W.	36 11	9	Pedestal, white triangular daymark point down, red border, concrete base.	Radar reflector.
11760 C 5731.9	Kangso, S. mole of boat harbor, head.	65° 50.0' N 22° 22.0' E	Fl.R. period 3s	11 3	1	White post.	Shown Aug. 1 to close of navigation.
11764 C 5731.5	Siknas Range, front.	65° 51.0' N 22° 42.0' E	Fl.R.	20 6	3	Post, white triangular daymark point up.	Shown Aug. 1 to close of navigation.
11768 C 5731.51	-Rear, 70 meters 279° from front.	65° 50.7' N 22° 41.5' E	Fl.R.	36 11	3	Post, white triangular daymark point down.	Shown Aug. 1 to close of navigation.
11824 C 5730	Binnholmsskatan Range, front.	65° 45.9' N 22° 58.1' E	Fl.R.	16 5	3	Post, white triangular daymark point up.	Fishing light.
11828 C 5730.1	-Rear, 75 meters 063° from front.	65° 46.0' N 22° 58.4' E	Fl.R.	33 10	3	Post, white triangular daymark point down.	Fishing light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
11840 C 5725.5	Storo.	65° 41.8' N 23° 05.8' E	Fl.(3)W.R.G. period 9s	36 11	W. 9 R. 7 G. 6	Red tower, white top, gray base; 33. Floodlit.	G. 296°-302°, W.-306°, R.- 321°, G.-347°, G.(unintensified)-005°, R.(unintensified)-059°, G.(unintensified)-122°30', G.-130°, W.-133°, R.- 142°. Shown from Apr. 1 to Jun. 1 and Jul. 20 to close of navigation.
11844 C 5728	Innergrundsviken Range, front.	65° 44.3' N 23° 05.6' E	F.G.	16 5	2	Post, white triangular daymark point up.	Fishing light. Shown Aug. 1 to close of navigation.
11848 C 5728.1	-Rear, 80 meters 085° from front.	65° 44.4' N 23° 05.9' E	F.G.	23 7	2	Post, white triangular daymark point down.	Fishing light. Shown Aug. 1 to close of navigation.
11852 C 5729	Uddviken Range, front.	65° 43.9' N 23° 06.4' E	F.R.	13 4	3	Post, white triangular daymark point up.	Fishing light. Shown Aug. 1 to close of navigation.
11856 C 5729.1	-Rear, 50 meters 145° from front.	65° 44.0' N 23° 05.7' E	F.R.	23 7	3	Pole, white triangular daymark point down.	Fishing light. Shown Aug. 1 to close of navigation.
11860 C 5724.4	Marahamn Indre Range, front.	65° 45.7' N 23° 11.4' E	F.R.	18 5	3	Pole, white triangular daymark point up.	Fishing light.
11864 C 5724.41	-Rear, 216 meters 038° from front.	65° 45.8' N 23° 11.6' E	F.R.	23 7	3	Pole, white triangular daymark point down.	Fishing light.
11868 C 5725.5	Lutskarsgrund.	65° 39.6' N 23° 20.0' E	L.Fl.W.R.G. period 8s fl. 2s, ec. 6s	52 16	W. 8 R. 6 G. 5	Black tower, white top, orange base; 46.	W. 004°54'-009°, R.-105°42', G.-195°06', W.-196°06', R.-216°54', G.-252°54', R.-308°48', G.-333°06', W.-336°24', R.-349°, G.- 004°54'. Shown from Jul. 10 to Jun. 1. AIS (MMSI No 992652147). Radar reflector.
			Iso.W.R.G. period 8s		12		G. 333°36'-334°48', W.-336°, R.-337°12'. Shown when required. Synchronized with L.Fl.W.R.G.
11872 C 5710	Maloren.	65° 31.7' N 23° 33.4' E	L.Fl.(2)W.R.G. period 12s fl. 2s, ec. 2s fl. 2s, ec. 6s	73 22	W. 14 R. 11 G. 10	Red conical tower; 57.	R. 125°54'-136°24', G.- 156°54', W.-160°54', R.- 195°54', G.-211°54', W.- 213°36', R.-218°54', W.- 125°54'. Shown Jul. 10 to Jun. 1.
	RACON		M(- -)		12		(3 & 10cm).
11876 C 5710.2	-Island, W. point.	65° 31.5' N 23° 32.3' E	Q.W.R.	23 7	W. 5 R. 3	White pedestal, red base, lantern.	W. 321°06'-214°48', R.- 321°06'.
11877 C 5710.5	-Outer Range, front.	65° 31.6' N 23° 33.4' E	Iso.W. period 5s	16 5	4	Post, white triangular daymark point up.	Shown Jul. 10 to Dec. 31.
11877.1 C 5710.51	--Rear, 048° from front.	65° 31.6' N 23° 33.5' E	Q.W.	33 10	4	Post, white triangular daymark point down.	Shown Jul. 10 to Dec. 31.
11878 C 5710.6	-Inner Range, front.	65° 31.6' N 23° 33.3' E	Iso.R. period 5s	16 5	2	Post, white triangular daymark point up.	Shown Jul. 10 to Dec. 31.
11878.1 C 5710.61	--Rear, 034° from front.	65° 31.6' N 23° 33.4' E	Q.R.	33 10	2	Post, white triangular daymark point down.	Shown Jul. 10 to Dec. 31.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
KARLSBORG APPROACH:							
11888 C 5712.4	-Halso Klippor.	65° 43.1' N 23° 27.0' E	Iso.W.R.G. period 3s	23 7	W. 7 R. 5 G. 4	Red tower, white top; 20.	R.032°-060°, G.-113°, W.-118°, R.-131°30', G.-200°, W.-203°30', R.-340°. Shown Apr. 1 to Jun. 1 and Jul. 20 to close of navigation.
	-RACON		G(- - •)			12	(3 & 10cm).
11890 C 5712.9	-Kallskar Range, front.	65° 42.5' N 23° 30.9' E	Q.W.	20 6		12	
	-RACON		K(- • -)				
11890.1 C 5712.91	--Rear, 1700 meters 019°06' from front.	65° 43.4' N 23° 31.6' E	Iso.W. period 2s	39 12		14	
11896 C 5712.8	-Trutskarsbadan.	65° 44.2' N 23° 22.8' E	Fl.(2)W.R.G. period 3s	26 8	W. 8 R. 6 G. 5	Red tower, white top; 23.	G. 261°-296°24', R.-305°18', G.-318°48', W.-320°54', R.-359°42', G.-014°, W.-015°12', R.-019°48', G.-069°48', W.-121°24', R.-137°42', G.-149°06', R.-171°48'. Shown from Jul. 20 to May 25.
11900 C 5725	-Ytterslandet Range, front.	65° 42.5' N 23° 16.8' E	Iso.W. period 4s	16 5		8 Framework tower, white triangular daymark point up, red border.	Shown Jul. 20 to close of navigation.
11904 C 5725.1	--Rear, 700 meters 067° from front.	65° 42.7' N 23° 17.7' E	Q.W.	43 13		7 Framework tower, white triangular daymark point down, red border.	Shown Jul. 20 to close of navigation.
11908 C 5718.5	-Dyrasholmen Range, front.	65° 47.0' N 23° 16.8' E	Q.W.	20 6		6 Post, white rectangular daymark.	Shown Jul. 20 to close of navigation.
11909 C 5719	--Rear, 317°30' from front.	65° 46.9' N 23° 16.9' E	Iso.W. period 4s	92 28		12 Post, white rectangular daymark; 66.	
11912 C 5720	-Kvarnoren Range, front.	65° 46.7' N 23° 18.4' E	Q.W.R.G.	24 7	W. 6 R. 4 G. 3	House, white rectangular daymark.	G. 334°42'-335°54', W.-339°54', R.-341°06'. Shown Apr. 1 to Jun. 1 and Jul. 20 to close of navigation.
11916 C 5720.1	--Rear, Karlsborg, 4.1 kilometers 338° from front.	65° 47.8' N 23° 17.2' E	Oc.R. period 5s	94 29		12 House, white rectangular daymark.	Visible on range line only. Shown Apr. 1 to Jun. 1 and Jul. 20 to close of navigation.
11920 C 5724	-Laxholmen Range, front.	65° 48.3' N 23° 15.7' E	F.G.	18 5		8 Framework tower, red rectangular daymark, white triangle point up in center.	
11924 C 5724.1	--Riso, rear 550 meters 336° from front.	65° 48.6' N 23° 15.5' E	F.G.	39 12		7 Framework tower, red rectangular daymark, white triangle point down in center.	
11928 C 5714	Batskarsnas Yttre.	65° 47.0' N 23° 25.9' E	Fl.R.G. period 3s	23 7	R. 6 G. 5	Gray framework tower.	R. 229°-301°, G.-322°, R.-339°.
HAPARANDAHAMN:							
11932 C 5713.4	-Vasterskarsgrund.	65° 45.3' N 23° 29.2' E	Fl.(2)W.R.G. period 6s	23 7	W. 5 R. 3 G. 2	White pedestal, red base, lantern.	G. 180°06'-276°54', W.-291°, R.-327°48', G.-014°54', W.-023°, R.-033°. Shown Jul. 20 to close of navigation.
11936 C 5713	-Halso.	65° 44.3' N 23° 29.3' E	Fl.W.R.G. period 3s	26 8	W. 5 R. 4 G. 3	White pedestal, red base, lantern.	G. 345°-043°36', W.-052°18', R.-079°36', G.-156°, R.-185°. Shown Jul. 20 to close of navigation.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
11938 <i>C 5725.8</i>	Haparanda , AVIATION LIGHT.	65° 56.0' N 23° 31.7' E	V.Q.W.	1348 411	17	Radio mast.	Obstruction. 6 F.R. lights range 6M.
11964 <i>C 5703</i>	Haparandahamn Range, front.	65° 46.0' N 23° 55.0' E	F.R.	14 4		Post, yellow triangular daymark point up.	Shown Jul. 20 to close of navigation.
11968 <i>C 5703.1</i>	-Rear, 260 meters 057° from front.	65° 46.5' N 23° 54.7' E	F.R.	27 8		Post, yellow triangular daymark point down.	Shown Jul. 20 to close of navigation.
11970 <i>C 5704</i>	Karl Johan.	65° 46.4' N 23° 54.3' E	Fl.W.R.G. period 3s	20 6	W. 5 R. 3 G. 2	Mast.	G. 281°42'-314°42', W.- 321°54', R.-008°.
11976 <i>C 5698</i>	-Stora Knivskar Range, front.	65° 40.8' N 24° 08.6' E	Q.W.	33 10	8	Red rectangular daymark, white stripe.	Visible 296°36'-300°36'. Shown Apr. 1 to Jun. 6 and Jul. 20 to close of navigation.
11980 <i>C 5698.1</i>	--Rear, on Nalkakari Rock, 1.4 kilometers 298°36' from front.	65° 41.2' N 24° 07.0' E	L.Fl.W. period 8s fl. 2s, ec. 6s	105 32	9	Red rectangular daymark, white stripe.	Visible 297°-301°. Shown Apr. 1 to Jun. 6 and Jul. 20 to close of navigation.

Section 8

Lithuania, Latvia, Estonia, and Russia Including Gulf of Riga

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
LITHUANIA-BALTIC SEA							
NIDA:							
11984 C 3318	-Nida, Urbo Kalnas.	55° 18.1' N 20° 59.8' E	Fl.(2)W. period 5.8s fl. 0.2s, ec. 1.2s fl. 0.2s, ec. 4.2s	256 78	22	Red round tower, white bands; 92.	Reserve light Fl.W. 3s 8M. AIS (MMSI No 002770090). Storm signal.
11996 C 3334	Yuodkrante.	55° 33.2' N 21° 07.0' E	L.Fl.W. period 8s fl. 3s, ec. 5s	246 75	18	Black square metal framework tower, white rectangular daymark, platform; 66.	Reserve light range 9M. Storm signal. Radar reflector.
KLAIPEDA:							
12000 C 3345.9	-Entrance Range, front.	55° 43.7' N 21° 05.5' E	Q.W.	102 31	16	Red framework tower, white diamond and rectangular daymarks, black stripe; 95.	Visible on range line only.
12004 C 3346	--Rear, 285 meters 092°30' from front.	55° 43.7' N 21° 05.7' E	Iso.W. period 6s	148 45	18	White round tower, black bands, black stripe and platform; 121.	Visible 000°-180°. Shown 24 hours. Reserve light range 8M. AIS (MMSI No 002770110).
12009 C 3347.9	-N. mole, NW. head.	55° 44.0' N 21° 04.5' E	Fl.(5)Y. period 20s	10 3	4	Yellow pile, yellow "X" topmark; 10.	Surrounded by 200 meter safety zone.
12016 C 3348	-N. entrance.	55° 43.8' N 21° 04.6' E	Fl.R. period 3s fl. 1s, ec. 2s	52 16	5	Black round metal column, white square daymark, red border, marked 2B; 39.	
12020 C 3350	-S. mole, head.	55° 43.6' N 21° 04.6' E	Fl.G. period 3s fl. 1s, ec. 2s	52 16	5	Black round column, white triangular daymark point up, green border, marked 1B; 39.	
12022 C 3340	-Pagrindinis Siaurinis Pirminis.	55° 43.4' N 21° 06.2' E	Dir.W.R.G. period 3s fl. 2s, ec. 1s	213 65	10	Red metal framework tower, white bands; 200.	Oc.R. 332°48'-334°18', Oc.W.-336°06', Oc.G.- 337°36'. Shown 24 hours.
12031 C 3360.1	-Dane Entrance Pier, head.	55° 42.4' N 21° 07.3' E	Fl.R. period 2s fl. 0.5s, ec. 1.5s	23 7	3	White round metal column, platform, red bands; 16.	
12040 C 3359	-Winter Harbor, S. side.	55° 42.6' N 21° 07.2' E	Fl.G. period 4s fl. 0.8s, ec. 3.2s	62 19	3	Green metal framework tower; 56.	
12041 C 3359.2	--N. mole, head.	55° 42.7' N 21° 07.2' E	Fl.R. period 1.5s fl. 0.5s, ec. 1s	49 15	3	Metal framework tower, green yellow and white bands; 43.	
-Dane River:							
12041.5 C 3363	-Smiltyne, NE. entrance.	55° 41.9' N 21° 07.2' E	Oc.G. period 4s fl. 3s, ec. 1s	26 8	3	Green four-sided truncated pyramid; 19.	
12041.6 C 3363.1	--S. breakwater.	55° 41.9' N 21° 07.3' E	Oc.R. period 4s fl. 3s, ec. 1s	26 8	3	Red truncated pyramidal tower; 20.	
12041.9 C 3364	-Pier 66 and 67, head.	55° 41.2' N 21° 07.7' E	Iso.R. period 2s	27 8	3	White round metal column, red bands, platform; 15.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
LITHUANIA-BALTIC SEA							
12042 C 3366.6	--Pietine Bega.	55° 41.4' N 21° 08.0' E	Oc.W.R.G. period 3s lt. 2.5s, ec. 0.5s	30 9	10	White round tower, red bands, platform; 20.	R. 344°18'-346°18'. W.- 348°18', G.-350°18'. Shown 24 hours.
			Oc.R. period 3s lt. 2s, ec. 1s	33 10	3		
12043 C 3366.4	-Pier 80 and 81, head.	55° 41.1' N 21° 08.2' E	Iso.R. period 4s	26 8	3	White round metal column, red bands, platform; 15.	
12043.1 C 3367	-LNG Terminal, N.	55° 40.0' N 21° 08.2' E	Mo.(U)W. period 5s	36 11	3	White column, yellow bands, platform; 16.	
12043.11 C 3367.5	-LNG Terminal, S.	55° 39.8' N 21° 08.2' E	Mo.(U)W. period 5s	36 11	3	White column, yellow bands, platform; 16.	
LATVIA-BALTIC SEA							
SVENTOJI GAVINI:							
12044 C 3382	-Sventoji.	56° 01.5' N 21° 04.9' E	Fl.(3)W. period 15s fl. 1.5s, ec. 1.5s fl. 1.5s, ec. 1.5s fl. 1.5s, ec. 7.5s	138 42	17	Red square metal framework tower, balcony, red rectangular daymark, white band; 128.	Reserve light Fl.W. 9s 8M (fl. 1.5s). AIS (MMSI No 002770100).
12052 C 3386	Pape.	56° 09.3' N 21° 01.4' E	Fl.W. period 3.5s fl. 1.5s, ec. 2s	85 26	14	White framework tower, balcony, white round column, red lantern; 72.	Visible 347°-172°.
12056 C 3390	Bernatu.	56° 22.9' N 20° 58.9' E	Iso.W. period 4s	135 41	15	Framework tower, red planking; 69.	Visible 000°-182°.
LIEPAIA:							
12060 C 3396	-S. side of river.	56° 31.0' N 20° 59.5' E	Iso.W. period 6s	105 32	16	Red round tower, white bands; 98.	Visible 000°-180°.
12061 C 3396.36	-Karosta channel port, W.	56° 32.8' N 20° 59.9' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	19 6	1	Red round column; 10.	
12062 C 3396.362	--E.	56° 32.7' N 21° 00.0' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	19 6	1	Red round column; 10.	
12064 C 3396.2	-Middle entrance Range, front.	56° 32.7' N 20° 59.9' E	Iso.R. period 3s	69 21	12	White framework tower, white trapezoidal daymark, black stripe; 66.	Visible 064°-072°. Shown 24 hours.
12068 C 3396.21	--Rear, 984 meters 067°42' from front.	56° 32.9' N 21° 00.8' E	Iso.R. period 3s	108 33	14	Red framework tower; 98.	Visible 064°-072°. Shown 24 hours.
12069 C 3397	-S. entrance Range, front.	56° 31.4' N 20° 59.7' E	Iso.G. period 2s	108 33	9	Framework tower, white rectangular daymark, black stripe; 98.	Visible on range line only. Shown 24 hours.
12069.1 C 3397.1	--Rear, 422 meters 112°24' from front.	56° 31.3' N 21° 00.0' E	Iso.G. period 2s	161 49	9	Framework tower, white rectangular daymark, black stripe; 148.	Visible on range line only. Shown 24 hours.
12072 C 3397.5	-Osta.	56° 31.4' N 20° 58.7' E	Dir.W.R.G.	26 8	2	White round column, platform; 16.	F.G. 167°42'-168°42', Al.W.G.-170°12', F.W.- 171°12', Al.W.R.-172°42', F.R.-173°42'.
12080 C 3397.8	-Inner Harbor Range, front.	56° 31.2' N 20° 59.0' E	Fl.G. period 1.5s fl. 0.5s, ec. 1s	30 9	3	Green round column, platform; 16.	Visible 147°-159°. Shown 24 hours.
12084 C 3397.81	--Rear, 21 meters 153°24' from front.	56° 31.2' N 20° 59.0' E	Fl.G. period 1.5s fl. 0.5s, ec. 1s	36 11	3	Green round column, white stripe, platform; 26.	Visible 147°-159°. Shown 24 hours.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
LATVIA-BALTIC SEA							
12088 C 3396.4	-South Gate, S.	56° 31.7' N 20° 58.1' E	Iso.G. period 2s	36 11	2	Green round column, platform; 16.	
12092 C 3396.5	--N.	56° 31.8' N 20° 58.0' E	Iso.R. period 2s	30 9	3	Red round column, platform; 16.	
12096 C 3396.6	-Middle Gate, S.	56° 32.2' N 20° 57.9' E	Iso.G. period 4s	49 15	2	Green round column, platform; 16.	
12097 C 3396.7	--N.	56° 32.3' N 20° 57.9' E	Iso.R. period 4s	33 10	3	Red round column, platform; 16.	
12100 C 3398.3	--S. knuckle.	56° 31.2' N 20° 59.3' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	33 10	3	Red round column; 26.	
12104 C 3398.2	--W. angle of N. mole.	56° 31.3' N 20° 59.0' E	Fl.R. period 1.5s fl. 0.5s, ec. 1s	26 8	3	Red round column; 16.	
12112 C 3397.7	-Inner breakwater, S. head.	56° 31.6' N 20° 58.9' E	Fl.R. period 2.5s fl. 0.5s, ec. 2s	20 6	3	Red round column, platform; 16.	
12112.5 C 3398	-Jetty, N. head.	56° 31.5' N 20° 59.0' E	Fl.G. period 2.5s fl. 0.5s, ec. 2s	26 8	2	Green round column, platform; 16.	
12114 C 3396.3	-Kara Osta Range No 1, front.	56° 32.7' N 21° 01.2' E	Iso.G. period 3s	49 15	1	Framework tower, white rectangular daymark, black stripe; 33.	Visible on range line only. Shown by day.
12114.1 C 3396.301	--Rear, 160 meters 097°30' from front.	56° 32.6' N 21° 01.4' E	Iso.G. period 3s	69 21	1	Framework tower, white rectangular daymark, black stripe; 49.	Visible on range line only. Shown by day.
12115 C 3396.33	-Kara Osta Range No 2, front.	56° 32.4' N 21° 01.8' E	Iso.R. period 3s	39 12	1	Framework tower, white rectangular daymark, red stripe; 33.	Visible on range line only. Shown 24 hours.
12115.1 C 3396.331	--Rear, 161 meters 113°48' from front.	56° 32.4' N 21° 02.0' E	Iso.R. period 3s	52 16	1	Framework tower, white rectangular daymark, red stripe; 39.	Visible on range line only. Shown 24 hours.
12116 C 3396.35	-Kara Osta Range No 3, front.	56° 32.5' N 21° 01.4' E	Iso.W. period 3s	46 14	1	Framework tower, white rectangular daymark, black stripe; 33.	Visible on range line only. Shown by day.
12116.1 C 3396.351	--Rear, 171 meters 271° from front.	56° 32.5' N 21° 01.2' E	Iso.W. period 3s	62 19	1	Framework tower, white rectangular daymark, black stripe; 36.	Visible on range line only. Shown by day.
12120 C 3442	Akmenrags.	56° 49.9' N 21° 03.4' E	L.Fl.(2)W. period 10s fl. 1s, ec. 1s fl. 3s, ec. 5s	125 38	15	Red round masonry tower; 121.	Visible 000°-225°. AIS (MMSI No 992751681).
PAVILOSTA:							
12124 C 3443	-Range, front.	56° 53.3' N 21° 10.3' E	Fl.W. period 3s fl. 1s, ec. 2s	39 12	5	Framework tower, white rectangular daymark, black stripe; 33.	Visible on range line only.
12128 C 3443.1	--Rear, 162 meters 144°12' from front.	56° 53.2' N 21° 10.4' E	Fl.W. period 3s fl. 1s, ec. 2s	59 18	6	Framework tower; white rectangular daymark, black stripe; 49.	Visible on range line only.
12132 C 3443.5	-E. mole, head.	56° 53.5' N 21° 10.1' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	26 8	1	Red column, platform; 16.	
12136 C 3443.4	-W. mole, head.	56° 53.5' N 21° 10.0' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	26 8	2	Green round column, platform; 16.	
12140 C 3448	Uzava.	57° 12.5' N 21° 24.9' E	Fl.(2)W. period 10s fl. 1.5s, ec. 2.5s fl. 1.5s, ec. 4.5s	143 44	15	White round stone tower, dwelling; 62.	Visible 340°-198°. AIS (MMSI No 992751651).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
LATVIA-BALTIC SEA							
VENTSPILS:							
12144 C 3449.5	-S. of Ventspils, AVIATION LIGHT.	57° 22.4' N 21° 32.8' E	Fl.R.W.				
12145 C 3450.5	-W. Fairway Range, front.	57° 24.5' N 21° 33.7' E	Oc.R. period 6s lt. 4s, ec. 2s	56 17	14	Framework tower, black rectangular daymark, yellow stripe; 49.	Visible 102°-118°. Shown 24 hours. Synchronized with 12145.1 and 12145.2.
12145.1 C 3450.51	--Middle, 425 meters 109°54' from front.	57° 24.4' N 21° 34.1' E	Oc.R. period 6s lt. 4s, ec. 2s	92 28	14	Metal framework tower; 59.	Visible 102°-118°. Shown 24 hours. Synchronized with 12145 and 12145.2.
12145.2 C 3450.52	--Rear, 912 meters 109°54' from front.	57° 24.3' N 21° 34.6' E	Oc.R. period 6s lt. 4s, ec. 2s	131 40	16	Framework tower, black rectangular daymark, yellow stripe; 98.	Visible 094°-126°. Shown 24 hours. Synchronized with 12145 and 12145.1.
12148 C 3450	-Vkhodoy Range, front.	57° 23.7' N 21° 32.5' E	Iso.R. period 3s	92 28	14	Framework tower, red rectangular daymark, white stripe; 82.	Visible 136°-152°. Shown 24 hours.
12152 C 3450.1	--Rear, 940 meters 143°42' from front.	57° 23.3' N 21° 33.1' E	Iso.R. period 3s	148 45	15	Framework tower, red rectangular daymark, white stripe; 115.	Visible 128°-160°. Shown 24 hours. Synchronized with front.
12156 C 3451	-N. mole, head, outer harbor.	57° 24.5' N 21° 31.6' E	Fl.(2)R. period 3s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 1.5s	45 14	4	White round tower, red lantern; 36.	
12160 C 3452	-S. mole, head, outer harbor.	57° 24.3' N 21° 31.5' E	Fl.(2)G. period 3s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 1.5s	45 14	3	White round tower, green lantern; 36.	
12168 C 3455	-S. oil pier.	57° 23.9' N 21° 32.4' E	Iso.W. period 2s	30 9	2	Red column, platform; 16.	
12172 C 3454	-N. oil pier.	57° 24.0' N 21° 32.6' E	Fl.Y. period 1.5s fl. 0.5s, ec. 1s	26 8	1	Red column, red round structure, platform; 20.	
12174 C 3457	-New Fishing Port No 39.	57° 23.7' N 21° 32.3' E	Fl.G. period 2s fl. 0.5s, ec. 1.5s	23 7	1	Green round column, platform; 16.	
12176 C 3458	-Fishing Harbor.	57° 23.7' N 21° 32.9' E	Iso.R. period 2s	26 8	1	Red column, platform; 16.	
12180 C 3460	-Turning Basin, W.	57° 24.0' N 21° 34.3' E	Fl.G. period 2s fl. 0.5s, ec. 1.5s	26 8	1	Green round column, platform; 16.	
12181 C 3461	--E.	57° 23.9' N 21° 34.8' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	26 8	1	Green round column, platform; 16.	
12185 C 3462.2	-E. pier.	57° 23.5' N 21° 35.1' E	Fl.R. period 2.5s fl. 0.5s, ec. 2s	26 8	1	Red column, platform; 16.	
LATVIA-GULF OF RIGA							
12192 C 3470	Ovisi , S. shore of entrance to Gulf of Riga.	57° 34.1' N 21° 43.0' E	L.Fl.W. period 7.5s fl. 3s, ec. 4.5s	125 38	15	White round tower; 121.	Visible 010°-223°. AIS (MMSI No 992751476).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
LATVIA-GULF OF RIGA							
12194 <i>C 3474</i>	Irbensky Strait.	57° 45.0' N 21° 43.4' E	Fl.W. period 10s fl. 1s, ec. 9s	115 35	10	White round tower, red bands, black base, two balconies; 121. Helicopter platform.	
	RACON		I(••) period 15s		12		(3cm).
12196 <i>C 3476</i>	Mikelbaka.	57° 36.0' N 21° 58.5' E	Fl.(2)W. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	194 59	14	White round tower; 184.	Visible 087°-251°. AIS (MMSI No 992751470).
	RACON		M(- -)		20		
12204 <i>C 3477.3</i>	Sikragciema.	57° 39.5' N 22° 13.0' E	Fl.W. period 3s fl. 1s, ec. 2s	107 33	15	Framework tower, white rectangular daymark; 89.	Visible 064°-242°.
12212 <i>C 3478</i>	Kolka.	57° 48.1' N 22° 38.0' E	Fl.(2)W. period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	66 20	10	Red round tower, balcony; 69.	
	RACON		K(- • -)		17		(3cm).
12216 <i>C 3486</i>	Gipka.	57° 34.2' N 22° 39.4' E	L.Fl.W. period 6s fl. 2s, ec. 4s	120 37	15	Framework tower, two red trapezoidal daymarks, white rectangle in centers; 98.	Visible 144°-314°.
12220 <i>C 3482</i>	Ruhnu Saar.	57° 48.1' N 23° 15.6' E	Fl.W. period 4s fl. 1s, ec. 3s	212 65	11	Red round metal tower, supporting pillars, balcony, lantern; 125.	Lower part obscured by forest.
12222 <i>C 3482.4</i>	-Ringsu Harbor Range, front.	57° 46.8' N 23° 16.2' E	Q.W.	26 8	3	Red post, orange trapezoidal daymark, black stripe; 13.	Visible 271°36'-301°36'.
12222.1 <i>C 3482.401</i>	--Rear, 642 meters 286°36' from front.	57° 46.9' N 23° 15.6' E	Iso.W. period 2s	72 22	3	Red metal post, orange trapezoidal daymark, black stripe; 66.	Visible 271°36'-301°36'.
12223 <i>C 3482.5</i>	--W. mole, head.	57° 46.8' N 23° 16.3' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	14 4	3	Red round metal tower; 6.	
12223.1 <i>C 3482.51</i>	--E. mole, head.	57° 46.8' N 23° 16.3' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	13 4	3	Green round metal tower; 6.	
12224 <i>C 3489</i>	Roja.	57° 30.5' N 22° 48.6' E	Dir.W.R.G.	62 19	W. 7 R. 4 G. 4	Red framework tower; 62.	F.G. 210°24'-213°30', F.W.- 216°30', F.R.-219°24'.
12228 <i>C 3494</i>	Mersrags.	57° 22.0' N 23° 07.2' E	Fl.W. period 5s fl. 0.2s, ec. 4.8s	85 26	15	White tower, balcony, lantern; 62.	Visible 130°-345°. Reserve light Iso.W. 6s 15M.
12232 <i>C 3496</i>	-N. mole, head.	57° 20.1' N 23° 08.4' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	23 7	2	White round column; 16.	Shown Apr. 10 to Jun. 30. Radar reflector.
12248 <i>C 3501</i>	Engure.	57° 10.0' N 23° 13.7' E	Fl.(2)W. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	85 26	15	Red and white framework tower; 62.	Visible 160°-359°.
12249 <i>C 3501.4</i>	-Approach Range, front.	57° 09.8' N 23° 13.8' E	Iso.R. period 2s	20 6	3	Framework tower, white rectangular daymark, red stripe; 16.	Visible on range line only. Shown Apr. 10 to Jan. 30.
12249.1 <i>C 3501.41</i>	--Rear, 127 meters 270°12' from front.	57° 09.8' N 23° 13.7' E	Iso.R. period 4s	46 14	3	Framework tower, white rectangular daymark, red stripe; 33.	Visible on range line only. Shown Apr. 10 to Jan. 30.
12252 <i>C 3502</i>	Ragaciems.	57° 02.1' N 23° 29.2' E	Iso.W. period 2s	121 37	16	Framework tower, red rectangular daymark; 98.	Visible 095°-330°.
12256 <i>C 3503</i>	Bulluciema.	56° 59.6' N 23° 53.2' E	Fl.W. period 5s fl. 1.5s, ec. 3.5s	118 36	16	Red and white framework tower; 92.	Visible 071°-240°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
LATVIA-GULF OF RIGA							
ZAPADNAYA DVINA:							
12268	-Buoy C.	57° 07.0' N 23° 57.0' E	L.Fl.W. period 6s			SAFE WATER RW, buoy, topmark.	Radar reflector.
DAUGAVA RIVER:							
12272 C 3526	-Daugavgrivas.	57° 03.6' N 24° 01.3' E	Fl.W. period 2.5s fl. 0.1s, ec. 2.4s	121 37	18	White round tower, black bands, balcony; 115.	Visible 035°-245°. AIS (MMSI No 992751075).
	--Reserve light.		Fl.(2)W. period 7.5s fl. 0.2s, ec. 1.7s fl. 0.2s, ec. 5.4s		18		
12276 C 3528	-W. mole, head.	57° 03.9' N 24° 00.6' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	36 11	2	White round tower, platform; 23.	
12280 C 3530	-Daugavgriva Range, front.	57° 03.6' N 24° 01.3' E	Iso.R. period 5s	67 20	11	Red framework tower, platform, white trapezoidal daymark, red stripe; 49.	Visible on range line only. Shown 24 hours.
12284 C 3530.1	--Rear, 549 meters 141° from front.	57° 03.4' N 24° 01.6' E	Iso.R. period 5s	96 29	11	Red framework tower, white trapezoid daymark, red stripe; 85.	Visible on range line only. Synchronized with front. Traffic and Storm signals. Reserve light range 9M.
12286 C 3536	-Mole, head.	57° 03.3' N 24° 01.9' E	Fl.(3)Y. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	1	Red round column, forked top; 20.	Radar reflector.
12288 C 3529	Mangal'sala, E. mole, head.	57° 04.1' N 24° 00.9' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	36 11	4	Red round tower, platform; 23.	Radar reflector.
12296 C 3535	-Vostochni Basseyn.	57° 03.1' N 24° 02.4' E	Fl.(3)Y. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	2	White round column, platform; 23.	Radar reflector.
12297 C 3536.2	-Kara harbor Range, front.	57° 03.1' N 24° 01.9' E	Fl.G. period 3.2s fl. 0.7s, ec. 2.5s	43 13	1	Round metal column, white rectangular daymark, black stripe; 39.	Visible on range line only. Shown by day in reduced visibility.
12297.1 C 3536.201	--Rear, 89 meters 168°30' from front.	57° 03.0' N 24° 01.9' E	Fl.G. period 3.2s fl. 0.7s, ec. 2.5s	56 17	1	Round metal column, white rectangular daymark, black stripe; 52.	Visible on range line only. Synchronized with front. Shown by day in reduced visibility.
12304 C 3538	-Bullupe Channel, E. side.	57° 03.0' N 24° 02.6' E	Fl.(3)W. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	2	Red round column, platform; 23.	Radar reflector.
12320 C 3540	-Mangali Range, front.	57° 03.0' N 24° 03.7' E	Iso.W. period 3s	56 17	2	Metal tower, white trapezoidal daymark, black stripe; 52.	Visible on range line only. Shown 24 hours.
12324 C 3540.1	--Rear, 252 meters 326°06' from front.	57° 03.1' N 24° 03.5' E	Iso.W. period 3s	77 24	3	Metal tower, white trapezoidal daymark, black stripe; 72.	Visible on range line only. Synchronized with front. Shown 24 hours.
12326 C 3543	-Zvejas, N. gate, N.	57° 02.8' N 24° 03.9' 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	1	Red round column, platform; 20.	Radar reflector.
12326.01 C 3543.2	--S.	57° 02.6' N 24° 04.3' E	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	1	White column, forked top; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
LATVIA-GULF OF RIGA							
12328 <i>C 3544</i>	-Taude, N. Mazilkeniyeshi.	57° 02.2' N 24° 04.8' E	Fl.(3)W. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 8	1	White round column, forked top; 20.	Radar reflector.
12331 <i>C 3495.5</i>	-Mersrags Inner Range, front.	57° 20.1' N 23° 07.8' E	Iso.R. period 3s	31 10	8	Metal framework tower, red rectangular daymark, white stripe; 30.	Visible on range line only. Shown 24 hours.
12331.1 <i>C 3495.51</i>	--Rear, 236 meters 266°30' from front.	57° 20.1' N 23° 07.8' E	Iso.R. period 3s	54 16	8	Metal framework tower, red rectangular daymark, white stripe; 52.	Visible on range line only. Synchronized with front. Shown 24 hours.
12332 <i>C 3532</i>	-Rinuzi Range, front.	57° 02.4' N 24° 04.6' E	Oc.G. period 5s lt. 3s, ec. 2s	52 16	5	Framework tower, red rectangular daymark, white stripe; 43.	Visible on range line only. Shown 24 hours.
12336 <i>C 3532.1</i>	--Rear, 587 meters 128°24' from front.	57° 02.2' N 24° 05.0' E	Oc.G. period 5s lt. 3s, ec. 2s	78 24	5	Framework tower, red trapezoidal daymark, white stripe; 72.	Visible on range line only. Synchronized with front. Shown 24 hours.
12340 <i>C 3547</i>	-Balta-Baznitsa Range, front.	57° 01.9' N 24° 05.3' E	Iso.Y. period 4s	41 13	4	Column, white trapezoidal daymark, black stripe; 36.	Visible on range line only. Shown 24 hours.
12344 <i>C 3547.1</i>	--Middle, 205 meters 356°54' from front.	57° 02.0' N 24° 05.2' E	Iso.Y. period 4s	59 18	4	Building, white rectangular daymark, black stripe; 52.	Visible on range line only. Synchronized with front. Shown 24 hours.
12348 <i>C 3547.2</i>	--Rear, 486 meters 356°54' from front.	57° 02.2' N 24° 05.2' E	Iso.Y. period 4s	66 20	4	Tower; 59.	Visible on range line only. Synchronized with front. Shown 24 hours.
12352 <i>C 3548.4</i>	-E. Kurpnieksala.	57° 01.7' N 24° 05.4' E	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	38 12	2	Red round column; 23.	Radar reflector.
12353 <i>C 3546.2</i>	--Beacon No 1.	57° 01.6' N 24° 05.8' E	Fl.(3)W. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	1	White round column, platform; 24.	Radar reflector.
12354 <i>C 3546.3</i>	--Beacon No 2.	57° 01.5' N 24° 06.1' E	Fl.(3)W. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	1	White round column, platform; 24.	Radar reflector.
12356 <i>C 3546</i>	--Rutkusala, S. bank.	57° 01.4' N 24° 06.5' E	Fl.(3)W. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	1	White round column, platform; 23.	Radar reflector.
12358 <i>C 3545.4</i>	--Milgravis Range, front.	57° 01.3' N 24° 07.1' E	Oc.W. period 5s lt. 3s, ec. 2s	49 15	2	White round column, platform, red rectangular daymark, white stripe; 39.	Visible on range line only. Shown 24 hours.
12358.1 <i>C 3545.41</i>	--Rear, 362 meters 116°42' from front.	57° 01.2' N 24° 07.4' E	Oc.W. period 5s lt. 3s, ec. 2s	79 24	2	White mast; 69.	Visible on range line only. Synchronized with front. Shown 24 hours.
12360 <i>C 3545</i>	--Jaunmilgravis.	57° 01.3' N 24° 06.8' E	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	1	Red round column, forked top; 20.	Radar reflector.
12364 <i>C 3548</i>	-W. Kurpnieksala.	57° 01.2' N 24° 05.2' E	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	31 10	1	White column, forked top; 26.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
LATVIA-GULF OF RIGA							
12365 C 3543.5	-Hapaka gravja.	57° 02.2' N 24° 04.1' E	Fl.(3)W. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	33 10	2	White round column, forked top.	
12366 C 3548.6	-Krievu.	57° 01.6' N 24° 05.0' E	Fl.(3)W. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	33 10	2	White round column, forked top; 20.	Radar reflector.
12367 C 3549.3	-Kundzinsala pier, KS-32.	57° 00.3' N 24° 05.8' E	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	1	White column; 20.	Visible 085°-155°. Radar reflector.
12368 C 3549	-Kramershof (Krameri) W. side of river.	57° 00.2' N 24° 05.3' E	Fl.(3)W. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	2	White framework tower, platform; 26.	
12369 C 3548.8	-Kremeri Entrance.	57° 00.5' N 24° 05.3' E	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	1	White round column, platform; 16.	Radar reflector.
12372 C 3550.4	-Voleri.	56° 59.5' N 24° 05.2' E	Fl.(3)Y. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 8	1	White round column, forked top; 20.	Radar reflector.
12376 C 3550	--S. end.	56° 59.4' N 24° 05.7' E	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	38 12	2	Red round column; 23.	
12384 C 3551	--Export Areas, quay, N. end.	56° 59.1' N 24° 05.6' E	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 8	1	White round column, forked top; 20.	Radar reflector.
12388 C 3552	--Export Harbor, mole, N. head.	56° 58.4' N 24° 05.5' E	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 8	1	White round column, forked top; 20.	Radar reflector.
12391 C 3553	-Ronu dikis	56° 58.3' N 24° 05.0' E	Fl.(3)G. period 9s	20 6	1	White round column; 13.	
12392 C 3554	-Podrags.	56° 58.3' N 24° 05.1' E	Fl.(3)W.R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 8	1	White round column, forked top; 20.	W. 185°-005°, R.-185°. Radar reflector.
12400 C 3558	--Andreyevskaya Gavan, breakwater, head.	56° 57.6' N 24° 05.6' E	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 8	1	White round column, forked top; 20.	Radar reflector.
12401 C 3558.5	-FG Dambis.	56° 57.5' N 24° 05.1' E	Fl.(3)W. period 9s	23 7	2	White round column, platform; 20.	
12402 C 3559	--Kipsala.	56° 57.5' N 24° 05.2' E	Fl.(3)W. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	29 9	2	White column, forked top; 20.	
12412 C 3580.15	-Skulte, 098.5°.	57° 19.0' N 24° 24.3' E	Dir.W.R.G.	38 12	W. 6 R. 3 G. 3	Framework tower; 33.	F.G. 096°30'-098°30', F.W.- 100°30', F.R.-102°30'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
LATVIA-GULF OF RIGA							
12416 <i>C 3580.2</i>	-S. mole, head.	57° 19.0' N 24° 24.0' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	23 7	1	Green round column; 16.	Radar reflector.
12420 <i>C 3580.3</i>	-N. mole, head.	57° 19.1' N 24° 24.0' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	28 8	1	Red round column; 16.	Shown Apr. 10 to Jan. 30. Radar reflector.
12428 <i>C 3583</i>	Laci.	57° 26.6' N 24° 23.3' E	Fl.W. period 4s fl. 1s, ec. 3s	99 30	14	Red framework tower, white bands; 75.	Visible 356°-174°.
12436 <i>C 3585</i>	Grintals.	57° 38.3' N 24° 22.7' E	Fl.R. period 4s fl. 1s, ec. 3s	110 34	12	Framework tower, black and white top; 69.	Visible 350°-175°.
12440 <i>C 3587</i>	Salacgriva Range, front.	57° 45.4' N 24° 21.2' E	Iso.R. period 2s	30 9	9	Framework tower, white rectangular daymark, black stripe; 20.	Visible on range line only. Radar reflector.
12444 <i>C 3587.1</i>	-Rear, about 207 meters 072°18' from front.	57° 45.4' N 24° 21.4' E	Iso.R. period 4s	78 24	9	Framework tower, white rectangular daymark, black stripe; 59.	Visible on range line only.
12448 <i>C 3590</i>	Ainazi.	57° 52.0' N 24° 21.6' E	Iso.W. period 4s	72 22	12	White tower, orange stripe; 59.	Visible 017°-229°.
ESTONIA-GULF OF RIGA							
12452 <i>C 3594.5</i>	Haademeeste.	58° 04.4' N 24° 29.2' E	Fl.W. period 5s fl. 1.5s, ec. 3.5s	105 32	11	White framework tower, white planking on three sides; 92.	
PARNU:							
12456 <i>C 3606</i>	-Approach Range, front.	58° 22.7' N 24° 27.9' E	Q.R.	58 18	10	Red round metal tower, white rectangular daymark, black stripe; 69.	Visible 019°54'-027°54'.
12460 <i>C 3606.1</i>	--Rear, about 820 meters 023°54' from front.	58° 23.1' N 24° 28.3' E	Iso.R. period 6s	121 37	11	Metal framework tower, white rectangular daymark, black stripe; 112.	Visible 019°54'-027°54'.
F.R.							
12464 <i>C 3603</i>	-Manilaid, on S. end.	58° 12.2' N 24° 06.0' E	Iso.W.R.G. period 4s	29 9	W. 6 R. 3 G. 2	White round concrete tower, balcony, red lantern; 26.	W. 338°30'-011°, R.-075°, G.-102°, W.-125°30', R.-154°, W.-229°30', G.-257°, W.-266°30', R.-310°, G.-338°30'.
12468 <i>C 3608</i>	-Outer Range, front.	58° 22.7' N 24° 28.8' E	Q.W.	52 16	3	Metal framework tower, white rectangular daymark, orange stripe; 46.	Visible 037°-042°.
12472 <i>C 3608.1</i>	--Rear, 380 meters 039° from front.	58° 22.9' N 24° 29.1' E	Iso.W. period 3s	82 25	3	Metal framework tower, white rectangular daymark, orange stripe; 82.	Visible 037°-042°.
12476 <i>C 3612</i>	-Inner Range, front.	58° 23.4' N 24° 29.2' E	Iso.R. period 2s	52 16	2	Metal framework tower, orange rectangular daymark, white stripe; 43.	Visible 022°12'-030°12'.
F.R.							
12480 <i>C 3612.1</i>	--Rear, 230 meters 026°12' from front.	58° 23.5' N 24° 29.3' E	Iso.R. period 6s	95 29	2	Metal framework tower, orange rectangular daymark, white stripe; 72.	Visible 022°12'-030°12'.
F.R.							
12484 <i>C 3611</i>	-E. mole, head.	58° 22.0' N 24° 27.9' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	16 5	1	White metal column, green band, concrete base; 10.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ESTONIA-GULF OF RIGA							
12488 <i>C 3611.5</i>	-W. mole, head.	58° 22.1' N 24° 27.7' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	13 4	1	White metal column, red band, concrete base; 10.	
12492 <i>C 3605</i>	Liu.	58° 16.6' N 24° 15.9' E	Oc.(2)W. period 5s lt. 1s, ec. 0.5s lt. 3s, ec. 0.5s	99 30	7	Metal framework tower, white planking on three sides; 92.	
12496 <i>C 3595</i>	Someri Poolsaar.	58° 21.0' N 23° 44.4' E	Fl.W. period 6s fl. 0.6s, ec. 5.4s	76 23	9	White octagonal concrete tower; 69.	
12500 <i>C 3596</i>	Kihnu, Pitkana Ots.	58° 05.8' N 23° 58.3' E	Fl.(2)W.R. period 12s fl. 1.5s, ec. 1.5s fl. 1.5s, ec. 7.5s	95 29	W. 11 R. 7	White conical metal tower, balcony, lantern; 92.	W. 262°-225°, R.-262°.
12508 <i>C 3602</i>	Sorgu Saar.	58° 10.7' N 24° 12.0' E	Fl.(2)W.R. period 9s fl. 1s, ec. 1s fl. 1s, ec. 6s	63 19	7	Red round stone tower, balcony, lantern; 53.	W. 101°-342°, R.-101°.
MUHU VAIN:							
12512 <i>C 3631</i>	-Poorilaid, W. of Selglaid.	58° 27.7' N 23° 37.8' E	Fl.(4)W.R.G. period 18s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 11s	46 14	W. 6 R. 3 G. 2	White round concrete tower, balcony, lantern; 43.	G. 340°30'-007°, W.-141°, R.- 160°, W.-220°30'.
12516 <i>C 3636</i>	-Viirelaid, S. entrance to Muhu Vain.	58° 32.7' N 23° 26.6' E	Fl.W.R. period 8s fl. 1.5s, ec. 6.5s	56 17	W. 9 R. 7	Red round concrete tower, balcony, lantern; 36.	W. 163°-349°, R.-163°. Reserve light Fl.W.R. 4.5s 6/ 3M.
12520 <i>C 3632</i>	-Virtsu, W. point of peninsula.	58° 34.0' N 23° 30.1' E	Fl.W. period 5s fl. 1.5s, ec. 3.5s	63 19	11	White square concrete tower, red top; 59.	
12522 <i>C 3634.5</i>	-Kuivastu.	58° 34.4' N 23° 23.8' E	Q.R.	26 8	2	Red concrete column, balcony; 16.	
12524 <i>C 3632.6</i>	--Pier, head.	58° 34.6' N 23° 30.5' E	Fl.W.R. period 2s fl. 0.5s, ec. 1.5s	23 7	W. 5 R. 3	Red metal column, balcony; 16.	W. 077°30'-099°, R.-077°30'.
12528 <i>C 3637</i>	-Kesse Range, front.	58° 38.0' N 23° 25.0' E	Q.W.	39 12	7	Red metal post, white rectangular daymark, red stripe; 30.	Visible 318°-128°.
12532 <i>C 3637.1</i>	--Rear, 700 meters 123° from front.	58° 37.7' N 23° 25.5' E	Iso.W. period 4s	74 23	7	Yellow square metal framework tower, white rectangular daymark, red stripe; 59.	Visible 078°-128°.
-Muhu:							
12540 <i>C 3638</i>	-- Raugi Range, front.	58° 39.0' N 23° 20.0' E	Oc.W. period 5s lt. 3s, ec. 2s	89 27	15	Metal framework tower, white rectangular daymark, black stripe; 82.	Visible 161°-165°.
12544 <i>C 3638.1</i>	---Rear, 755 meters 163°12' from front.	58° 38.9' N 23° 18.8' E	Oc.W. period 5s lt. 3s, ec. 2s	161 49	15	Metal framework tower, white rectangular daymark, black stripe; 131.	Visible 161°-165°.
12548 <i>C 3639</i>	--Seanina Point, N. end of island.	58° 41.0' N 23° 13.0' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	66 20	9	White square metal framework tower, black top, planking on three sides; 52.	
12550 <i>C 3640.8</i>	Koinastu.	58° 38.8' N 23° 01.2' E	Fl.W. period 2s fl. 0.5s, ec. 1.5s	62 19	7	Metal framework tower, white planking, black stripe; 43.	
VORMSIKURK:							
12552 <i>C 3646</i>	-Heltermaa Range, front.	58° 52.0' N 23° 04.0' E	Q.R.	26 8	10	Metal framework structure, white diamond daymark, black stripe; 39.	Visible 251°48'-257°48'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ESTONIA-GULF OF RIGA							
12556 <i>C 3646.1</i>	--Rear, 311 meters from front.	58° 51.9' N 23° 02.7' E	Oc.R. period 4s lt. 3s, ec. 1s	63 19	10	Metal framework structure, white diamond daymark, black stripe; 59.	Visible 251°48'-257°48'.
12560 <i>C 3758.5</i>	-Harilaid Range, front.	58° 58.0' N 23° 05.2' E	Iso.W. period 2s	10 3	6	Metal cylinder, white rectangular daymark; 33.	Visible 326°18'-334°18'.
12564 <i>C 3758.51</i>	--Rear, 178 meters from front.	59° 01.0' N 23° 26.4' E	Iso.W.R.G. period 4s	59 18	5	White round tower, two balconies, lantern; 62.	obsc. 160°-167°, W.-250°, G.-314°, W.-336°30', R.-131°, W.-160°.
12571 <i>C 3653</i>	-Rohukula Range, front.	58° 54.5' N 23° 25.5' E	Q.W.	36 11	8	Metal framework tower, white rectangular daymark, black stripe; 52.	Visible 087°06'-093°06'.
12572 <i>C 3653.1</i>	--Rear, about 440 meters 090°06' from front.	58° 54.5' N 23° 26.0' E	Oc.W. period 3s lt. 2.5s, ec. 0.5s	89 27	8	Black metal tower, white rectangular daymark, black stripe; 66.	Visible 087°06'-093°06'.
12574 <i>C 3652.5</i>	-Rohukula Harbor, pier, head.	58° 54.3' N 23° 25.4' E	L.Fl.W. period 10s fl. 2s, ec. 8s	23 7	2	White concrete column; 16.	
VOOSIKURK:							
12588 <i>C 3652</i>	-Range, front, Hobulaid Island, S. end.	58° 55.9' N 23° 23.2' E	Fl.W.R. period 2.5s fl. 0.5s, ec. 2s	13 4	4	Red metal cylinder, concrete base, lantern; 20.	W. 211°30'-325°, R.-211°30'.
12588.1 <i>C 3652.1</i>	--Rukkirahu, N. end of islet, rear, 3706 meters 213°42' from front.	58° 54.2' N 23° 21.0' E	Fl.(2)W.R. period 6s fl. 0.3s, ec. 0.9s fl. 0.3s, ec. 4.5s	59 18	6	White round concrete tower, balcony, lantern; 52.	W. 014°-104°, R.-194°, W.-216°, R.-243°, W.-283°, R.-014°.
12592 <i>C 3651</i>	-Paralep Range, front.	58° 56.0' N 23° 29.0' E	Q.W.	49 15	6	White round concrete tower, balcony, lantern; 49.	Visible 150°42'-154°42'.
12596 <i>C 3651.1</i>	--Rear, 790 meters from front.	58° 55.7' N 23° 29.4' E	Iso.W. period 4s	125 38	9	White round concrete tower, black bands, balcony, black lantern; 112.	Visible 150°42'-154°42'.
12600 <i>C 3656</i>	-Haapsalu Range, front.	58° 57.2' N 23° 30.8' E	Q.R.	23 7	2	Metal structure, orange triangular daymark point up, yellow stripe; 26.	R. 092°42'-095°42'.
12604 <i>C 3656.1</i>	--Rear, 603 meters from front.	58° 57.2' N 23° 31.5' E	Iso.R. period 3s	39 12	2	Metal structure, orange triangular daymark point up, yellow stripe, yellow round daymark; 43.	Visible 092°42'-095°42'.
12606 <i>C 3657</i>	-Holmi Range, front.	58° 57.6' N 23° 30.7' E	Q.G.	26 8	2	Metal framework structure, white rectangular daymark, black stripe; 23.	Visible 068°12'-078°12'.
12606.1 <i>C 3675.1</i>	--Rear, 408 meters 073°12' from front.	58° 57.6' N 23° 31.1' E	Iso.G. period 3s	46 14	2	Metal framework structure, white rectangular daymark, black stripe; 39.	Visible 068°12'-078°12'.
12608 <i>C 3650</i>	-Hobulaid Range, front.	58° 58.5' N 23° 23.4' E	Q.W.	30 9	4	Red metal framework tower, white rectangular daymark, black stripe; 39.	Visible 183°-187°.
12612 <i>C 3650.1</i>	--Rear, 185° from front.	58° 57.1' N 23° 23.2' E	Iso.W. period 3s	79 24	6	Metal framework tower, white rectangular daymark, black stripe; 62.	Visible 183°-187°.
12614 <i>C 3759</i>	-Norrby Range, front.	59° 01.2' N 23° 21.1' E	Iso.W. period 2s	72 22	12	White round concrete tower, balcony, lantern; 72.	Visible 188°24'-196°24'.
12614.1 <i>C 3759.1</i>	--Rear, 778 meters from front.	59° 00.7' N 23° 20.9' E	Iso.W. period 4s	115 35	12	White round concrete tower, red top, balcony, lantern; 105.	Visible 188°24'-196°24'. Lower part obscured by forest.
12616 <i>C 3759.5</i>	-Ramsholmi, on shore of Pashlepa Bay, front.	59° 01.2' N 23° 26.0' E	Q.R.	10 3	6	White round concrete tower, balcony, lantern; 33.	Visible 132°42'-142°42'.
12620 <i>C 3759.51</i>	--Rear, 540 meters from front.	59° 01.0' N 23° 26.4' E	Oc.R. period 2s	48 15	6	White round concrete tower, balcony, lantern; 46.	Visible 132°42'-142°42'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ESTONIA-GULF OF RIGA							
VORMSIKURK:							
12630 <i>C 3757.9</i>	-Vormsi Range, rear, 998 meters 140° from front.	59° 01.3' N 23° 07.7' E	Iso.W. period 6s	135 41	9	White square metal framework tower with planking, black top; 115.	Visible 136°-144°. Front 12631.
12631 <i>C 3758</i>	--Range.	59° 01.7' N 23° 07.0' E	Iso.W.R.G. period 6s	89 27	W. R. G. 7 7	White conical metal tower, balcony, lantern; 79.	W. (5M) 352°-008°, R.-066°, G.-134°, W.-148°, R.-213°. Rear 12630. Front 12632. 002°12' from front.
12632 <i>C 3758.1</i>	--Range, front, Vormsi Island, E. end.	59° 01.5' N 23° 07.0' E	Q.W.	30 9	5	Metal framework tower, white rectangular daymark, black stripe; 52.	Visible 358°12'-006°12'. Rear 12631.
SAAREMAA:							
12636 <i>C 3630</i>	-Kubassaar.	58° 25.7' N 23° 18.0' E	L.Fl.W. period 9s fl. 2.5s, ec. 6.5s	66 20	11	White round concrete tower, black top, balcony, lantern; 59.	Visible 228°-048°. Shown Apr. 10 to Dec. 20.
12648 <i>C 3628</i>	-Allirahu.	58° 18.0' N 22° 58.2' E	Fl.W. period 7s fl. 1s, ec. 6s	60 18	7	Red metal framework tower, black and white bands; 52.	
12656 <i>C 3626</i>	--N. end of island.	58° 09.7' N 22° 47.2' E	Fl.(2)W. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 8.5s	49 15	7	Metal framework tower, orange planking; 30.	
12658 <i>C 3627</i>	-Saaretuki.	58° 15.6' N 22° 49.3' E	Fl.(3)W. period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	62 19	7	White square concrete tower; 49.	
12659 <i>C 3616</i>	-Abruka Range, front.	58° 09.0' N 22° 32.1' E	Q.W.	72 22	8	Metal post, white and red rectangular daymark; 69.	Visible 257°18'-261°18'.
12660 <i>C 3616.1</i>	--Rear, 671 meters 259°18' from front.	58° 08.9' N 22° 31.5' E	Iso.W. period 4s	126 38	9	White round concrete tower, black bands; 118.	Intensified on range line. Visible 135°-045°, Intensified 257°18'-261°18'.
12662 <i>C 3612.3</i>	-Kuressaare Range, front.	58° 14.6' N 22° 28.2' E	Q.R.	30 9	6	Red metal cylinder, white rectangular daymark, red stripe; 23.	Visible 359°18'-003°18'. Shown May 1 to Dec. 1.
12662.1 <i>C 3612.31</i>	--Rear, 280 meters 001°18' from front.	58° 14.8' N 22° 28.2' E	Oc.R. period 1.5s lt. 1s, ec. 0.5s	72 22	6	Building, white rectangular daymark, red stripe; 10.	Visible 359°18'-003°18'. Shown May 1 to Dec. 1.
12664 <i>C 3622</i>	-Roomassaare Range, front.	58° 12.8' N 22° 30.4' E	Oc.W.R.G. period 4s lt. 3s, ec. 1s	46 14	W. W. R. G. 7 6 7 7	Red metal framework tower, black rectangular daymark, white stripe; 39.	G. 015°-024°, W.-030°, R.-039°, W.(unintensified) 276°30'-006°30'.
12664.1 <i>C 3622.1</i>	--Rear, 721 meters 321°30' from front.	58° 13.1' N 22° 29.9' E	Oc.W. period 4s lt. 3s, ec. 1s	108 33	6	Metal framework tower, black rectangular daymark, white stripe; 98.	Visible 318°30'-324°30'.
12665 <i>C 3618</i>	-Kirjurahu.	58° 06.0' N 22° 33.4' E	Q.(5)W. period 12s	43 13	9	Framework pyramid, metal ribs, balcony; 36.	
12668 <i>C 3705.3</i>	-Kaavi.	57° 58.9' N 22° 11.7' E	Fl.W. period 2.5s	65 20	6	Red square concrete tower, white band; 49.	
12670 <i>C 3704.5</i>	-Montu Range, front.	57° 57.1' N 22° 07.5' E	Q.W.	52 16	6	Metal framework tower, white rectangular daymark, black stripe; 36.	Visible 294°30'-302°30'.
12671 <i>C 3704.51</i>	--Rear, 209 meters 298°30' from front.	57° 57.1' N 22° 07.3' E	Iso.W. period 4s	82 25	6	Metal framework tower, white rectangular daymark, black stripe; 49.	Visible 294°30'-302°30'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ESTONIA-GULF OF RIGA							
12672 C 3704	-Sorve Saar.	57° 54.6' N 22° 03.3' E	F.I.W. period 15s fl. 0.5s, ec. 14.5s	174 53	15	White conical concrete tower, black top, balcony, lantern; 171.	Seasonal F.W. fishing lights shown at Kaunispe, Karrust, Tammuna, Tiriü, Oesor, Tamma and Ragundis on Sorve Poolsaar.
12674 C 3704.2	-Loode.	57° 58.4' N 21° 59.0' E	Fl.(2)W. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 8s	62 19	6	White square concrete tower, red top; 49.	
ESTONIA-BALTIC SEA							
SAAREMAA:							
12679 C 3710	-Lou Range, front.	58° 06.3' N 22° 10.8' E	Q.(4)W.R.G. period 15s	39 12	W. R. G. 7 3 3	White round concrete tower, balcony, lantern; 33.	G. 013°54'-101°, W.-105°, R.- 192°18'.
12680 C 3710.1	--Rear, 3128 meters 103°06' from front. Ansekula.	58° 05.9' N 22° 13.9' E	Fl.W. period 1.5s fl. 0.5s, ec. 1s	144 44	9	White square concrete tower, black top; 102.	
12682 C 3712	-Karala.	58° 16.3' N 21° 53.8' E	Fl.W. period 5s fl. 1s, ec. 4s	138 42	8	Black metal framework tower, red and white planking; 92.	
12684 C 3714	-Vilsandi Saar.	58° 23.0' N 21° 48.8' E	Fl.(3)W.R. period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 2s, ec. 7s	131 40	W. R. 12 6	White round stone tower; balcony, lantern; 122.	W. 212°-164°30', R.-212°. F.W. fishing lights shown Sep. to Jan. at Munganin and Meldri, in Leo Bay.
12690 C 3642.2	-Triigi Range, front.	58° 35.5' N 22° 43.2' E	Q.W.G.	33 10	W. G. 6 3	White metal post, orange trapezoidal daymark, black stripe; 25.	W. 128°36'-218°36', G.- 238°36'.
12690.1 C 3642.3	--Rear, 220 meters, 228°36' from front.	58° 35.5' N 22° 43.0' E	Iso.G. period 2s	49 15	3	White metal post, orange trapezoidal daymark, black stripe; 44.	Visible 223°36'-233°36'.
12691 C 3642.1	-Triigi Harbor.	58° 35.5' N 22° 43.1' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	13 4	3	Red metal post; 7.	
12693 C 3641	Rannakula.	58° 37.5' N 22° 52.5' E	Fl.(2)W. period 5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 3.5s	62 19	7	White framework tower, white planking on three sides; 52.	
12694 C 3717.5	-Panga.	58° 34.2' N 22° 17.3' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	157 48	7	Red metal framework tower, white trapezoidal daymark, planking; 98.	
12695 C 3717.3	-Saaremaa Harbor.	58° 32.2' N 22° 14.2' E	Iso.R. period 4s	62 19	3	Metal framework mast; 66.	
12695.2 C 3717.4	--Pier.	58° 32.1' N 22° 14.4' E	Fl.(2)G. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	23 7	3	Green metal cylinder; 16.	
12696 C 3717	Merise, N. extremity.	58° 29.9' N 22° 08.3' E	Fl.W. period 1.5s	65 20	6	Metal framework tower, white planking; 33.	
HIUMAA:							
12700 C 3720	-Emmaste Range, front.	58° 41.4' N 22° 33.2' E	Q.W.	36 11	9	White round concrete tower, balcony, lantern; 36.	Visible 087°24'-091°24'.
12704 C 3720.1	--Rear, 1,070 meters 089°24' from front.	58° 41.4' N 22° 34.3' E	Iso.W. period 4s	62 19	9	Square metal framework tower, red rectangular daymark; 62.	Visible 087°24'-091°24'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ESTONIA-BALTIC SEA							
12707 C 3721	-Soru Range, front.	58° 42.1' N 22° 29.5' E	Q.W.	43 13	6	White round concrete tower, red top, balcony, lantern; 36.	Visible 308°36'-312°36'.
12708 C 3721.1	--Rear, 0.26 mile 310°36' from front.	58° 42.2' N 22° 29.2' E	Iso.W.R.G. period 4s	59 18	W. 6 R. 3 G. 3	White round concrete tower, red top, balcony, lantern; 52.	W. 300°-003°, G.-044°, W.-074°30', R.-086°30', W.-133°.
12716 C 3744	-Ristna.	58° 56.4' N 22° 03.3' E	L.FI.W.R. period 15s fl. 3s, ec. 12s	122 37	W. 12 R. 8	Red round concrete tower, balcony, lantern; 98.	W. 348°-192°, R.-348°.
12720 C 3746	-Kopu , on Andresemagi, near W. end of Hiiumaa.	58° 55.0' N 22° 12.0' E	FI.(2)W. period 10s	335 102	26	White square stone tower, retaining walls, balcony, red lantern; 118.	
12728 C 3754	-Takhuna Point.	59° 05.5' N 22° 35.2' E	L.FI.(2)W. period 15s fl. 2s, ec. 2s fl. 2s, ec. 9s	140 43	12	White conical metal tower, balcony with lantern; 141.	Visible 095°-253°30'.
12729 C 3755.5	-Kardla Range, front.	59° 00.6' N 22° 45.3' E	FI.W.G. period 2s fl. 0.5s, ec. 1.5s	21 6	W. 5 G. 2	Green metal cylinder, white rectangular daymark, green stripe; 16.	W. 160°12'-164°12', G.-160°12'.
12729.1 C 3755.51	--Rear, 556 meters 162°12' from front.	59° 00.3' N 22° 45.4' E	FI.W. period 2s fl. 0.5s, ec. 1.5s	69 21	5	Grey framework, white rectangular daymark, green stripe; 56.	Visible 160°12'-164°12'.
12730 C 3756	-Hiissaare.	59° 00.1' N 22° 50.3' E	L.FI.W. period 6s fl. 2s, ec. 4s	62 19	7	White square concrete tower; 56.	
12732 C 3644	Oryaku Range, front.	58° 47.0' N 22° 48.0' E	F.R.	43 13	9	White round concrete tower, black stripe; 33.	Visible 001°42'-005°42'.
12736 C 3644.1	-Rear, 80 meters 003°42' from front.	58° 47.7' N 22° 46.4' E	F.R.	74 23	9	White round concrete tower, black stripe; 52.	Visible 001°42'-005°42'.
ESTONIA-GULF OF FINLAND							
12748 C 3760	Osmussaar.	59° 18.2' N 23° 21.7' E	FI.(2)W. period 18s fl. 1s, ec. 2s fl. 2s, ec. 13s	128 39	11	White round concrete tower, black bands, balcony, lantern; 115.	
12752 C 3764	Poosaspea.	59° 13.7' N 23° 30.6' E	FI.W. period 3s fl. 0.3s, ec. 2.7s	55 17	6	White square metal framework tower, red top, planking on three sides; 52.	Fishing light.
12753 C 3765	Dirhami Range, front.	59° 12.5' N 23° 30.3' E	Iso.G. period 2s	30 9	3	Metal framework tower, white trapezoidal daymark, black stripe; 20.	Visible 168°48'-171°48'.
12753.1 C 3765.1	-Rear, 222 meters, 170°18' from front.	59° 12.4' N 23° 30.3' E	Iso.G. period 2s	46 14	3	Metal framework tower, white trapezoidal daymark, black stripe; 26.	Visible on range line only.
12755 C 3767	Krassi.	59° 20.7' N 23° 46.5' E	FI.(2)W. period 7s fl. 1s, ec. 2s fl. 1s, ec. 3s	46 14	7	Orange metal tower, orange rectangular daymark on four sides; 30.	
12756 C 3768	Suur-Pakri.	59° 20.9' N 23° 51.8' E	FI.(2)W. period 12s fl. 0.6s, ec. 2.4s fl. 0.6s, ec. 8.4s	43 13	5	White metal tower, red top, planking; 36.	
12758 C 3769	Väike-Pakri.	59° 21.5' N 23° 58.7' E	FI.W. period 6s fl. 0.6s, ec. 5.4s	112 34	7	White metal tower, red rectangular daymark, white band, planking; 52.	
12764 C 3774	Pakri neem.	59° 23.2' N 24° 02.3' E	L.FI.W. period 15s fl. 5s, ec. 10s	240 73	12	Red cylindrical stone tower, gallery, lantern; 171.	Visible 011°-243°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ESTONIA-GULF OF FINLAND							
12764.2 C 3775.4	Paldiski Pohjasadam, W. mole.	59° 21.0' N 24° 02.8' E	Fl.W.R. period 2s fl. 0.4s, ec. 1.6s	16 5	W. 6 R. 4	Orange metal column; 10.	W. 290°-130°, R.-162°.
12764.3 C 3775.5	-E. mole.	59° 21.0' N 24° 02.9' E	Fl.G. period 3s fl. 1s, ec. 2s	23 7		Green metal cylinder; 16.	Visible 000°-120°.
12764.4 C 3775.3	Oil pier.	59° 19.9' N 24° 04.8' E	Fl.(2)W. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	30 9		Gray metal framework mast, orange truncated pyramid daymark; 20.	
12764.5 C 3775	South Harbor Range, front.	59° 19.9' N 24° 05.6' E	Q.R.	49 15		Metal cylinder, white rectangular daymark, black stripe; 33.	Visible 073°42'-076°42'.
12764.51 C 3775.1	-Rear, 263 meters 075°12' from front.	59° 19.9' N 24° 05.9' E	Q.R.	66 20		Metal cylinder, white rectangular daymark, black stripe; 33.	Visible 073°42'-076°42'.
12765 C 3778	Madise Range, front.	59° 17.6' N 24° 06.9' E	Iso.W. period 2s	85 26		Metal framework tower, white rectangular daymark, black stripe; 69.	Visible (5M) 095°-135°, (7M)- 145°, (5M)-185°.
12765.1 C 3778.1	-Rear, 593 meters 140° from front.	59° 17.4' N 24° 07.4' E	Iso.W. period 4s	108 33		Church steeple, lantern; 115.	Visible 135°-145°.
12766 C 3783	Lohusalu Range, front.	59° 24.1' N 24° 12.2' E	Iso.R. period 2s	16 5		White metal post, white rectangular daymark, red stripe; 10.	Visible 231°48'-234°48'.
12766.1 C 3783.1	-Rear, 1297.1 meters 233°18' from front.	59° 24.1' N 24° 12.3' E	Iso.R. period 4s	26 8		White metal post, white rectangular daymark, red stripe; 16.	Visible 231°48'-234°48'.
12767 C 3786	Suurupi Range, front.	59° 28.3' N 24° 25.0' E	Iso.W. period 3s	59 18		White square wooden truncated tower; 49.	Visible 242°30'-250°30'.
12768 C 3786.1	-Rear, 1.2 miles 246°30' from front.	59° 27.8' N 24° 22.8' E	Oc.(2)W. period 15s lt. 4.5s, ec. 1.5s lt. 4.5s, ec. 4.5s	223 68		White round stone tower, balcony, black lantern; 72.	Visible 250°30'-242°30'. Intensified 242°30'-250°30'.
12772 C 3790	Naissaar , on Virbi Ots.	59° 36.2' N 24° 30.6' E	L.Fl.W. period 10s fl. 3s, ec. 7s	154 47		White octagonal concrete tower, red top, balcony, lantern; 148.	Visible 025°-335°.
12776 C 3794	Hulkari Ots.	59° 32.5' N 24° 33.8' E	Fl.W. period 6s fl. 1s, ec. 5s	66 20		Square framework tower, balcony, white planking; 49.	
12780 C 3792	-E. side, harbor.	59° 33.3' N 24° 33.0' E	Fl.W.R. period 2s fl. 0.3s, ec. 1.7s	32 10		White round concrete tower; 26.	W. 170°-197°, R.-255°, W.- 328°.
12780.1 C 3792.5	--Breakwater, head.	59° 33.4' N 24° 33.2' E	Fl.G. period 2s fl. 0.5s, ec. 1.5s	23 7		Orange metal cylinder, balcony; 16.	
KOPLI LAHT:							
12781 C 3799	-Kopli entrance Range, front.	59° 26.1' N 24° 40.8' E	Iso.R. period 4s	33 10		Red round metal tower, grey base, white shields on sides; 36.	Visible 127°-139°.
12781.1 C 3799.1	--Rear, 387 meters 133° from front.	59° 26.0' N 24° 41.1' E	Iso.R. period 4s	62 19		Metal framework tower, white rectangular daymark, red stripe; 46.	Visible 127°-139°.
12782 C 3800	-Vene-Balti, N. mole.	59° 27.4' N 24° 39.4' E	Q.W.	39 12		Gray square brick tower, balcony; 20.	
12783 C 3800.4	-Piirivalvesadam, breakwater, NW. end.	59° 27.3' N 24° 39.5' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	26 8		Red metal column; 16.	
12783.1 C 3800.6	--SE. end.	59° 27.3' N 24° 39.6' E	Fl.R. period 4s fl. 0.5s, ec. 3.5s	26 8		Red metal column; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ESTONIA-GULF OF FINLAND							
12783.5 C 3801	-Bekkeri, mole.	59° 27.2' N 24° 39.8' E	Iso.R. period 2s	26 8	2	Red metal column, balcony; 16.	
TALLINN:							
12784 C 3842	-Tallinnamadal.	59° 42.7' N 24° 43.9' E	Fl.(2)W. period 15s fl. 1s, ec. 1s fl. 1s, ec. 12s	95 29	10	Red round metal tower, yellow top, black base, three galleries, lantern; 102.	
-RACON							
					5		
12788 C 3806	-Aegna, on reef.	59° 36.0' N 24° 43.8' E	Fl.W.R. period 4s fl. 0.5s, ec. 3.5s	46 14	6	Red metal post, yellow rectangular daymark; 39.	R. 053°30'-101°, W.-053°30'.
12790 C 3808	-Aegna Harbor pier, head.	59° 34.3' N 24° 45.5' E	Fl.W.R.G. period 4s fl. 1s, ec. 3s	23 7	W. 2 R. 2 G. 1	Orange round metal tower; 16.	G. 288°-301°, R.-000°, W.-056°. Shown Apr. 15 to Jan. 20.
12793 C 3805	-Vahemadal.	59° 30.6' N 24° 40.0' E	Fl.R. period 10s fl. 1s, ec. 9s	46 14	6	Red octagonal truncated pyramid, white top; 43.	
12796 C 3810	-Tallinn, entrance range, front.	59° 26.2' N 24° 47.9' E	Oc.W.G. period 5s lt. 3.1s, ec. 1.9s	160 49	W. 12 G. 6	House, red conical tower; 59.	G. 143°-154°30', W.-165°.
12800 C 3810.1	--Rear, 1,097 meters 159°06' from front.	59° 25.7' N 24° 48.3' E	Q.(5)W. period 5s	264 80	12 6	White round stone tower, black top, balcony, lantern; 131.	Visible (6M) 139°-154°, (12M)-163°30', (6M)-187°30'.
12804 C 3804	-Viimsi Range, E. side of Tallinna Laht, front.	59° 30.9' N 24° 48.9' E	Iso.W. period 3s	135 41	12	Metal framework tower, white rectangular daymark, orange stripe; 115.	Visible 081°36'-085°36'.
12808 C 3804.1	--Rear, 1,407 meters 083°36' from front.	59° 31.0' N 24° 50.4' E	Iso.W. period 3s	194 59	13	Red round concrete tower, balcony, lantern; 43.	Visible 081°36'-085°36'. Synchronized with front.
-Vana Sadam (Old Harbor):							
12810 C 3812	--N. entrance, N. mole.	59° 27.0' N 24° 46.5' E	Fl.W. period 2s fl. 0.3s, ec. 1.7s	26 8	3	Green metal structure; 16.	
12814 C 3815.5	--Cruise Quay.	59° 27.1' N 24° 45.8' E	Fl.W. period 3s fl. 1s, ec. 2s	20 6	3	Orange concrete cylinder; 13.	
12815 C 3816	--Cruise Quay No 2.	59° 27.1' N 24° 45.9' E	Oc.W. period 2s lt. 1.5s, ec. 0.5s	20 6	3	Orange concrete cylinder; 13.	
-Fishing Harbor:							
12852 C 3830	--Miinisadam Harbor, W. Gate, NW. side of breakwater, head.	59° 27.5' N 24° 43.5' E	Fl(3)R. period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4.5s	23 7	3	Red metal column, balcony; 16.	
12856 C 3832	---SE. breakwater, head.	59° 27.5' N 24° 43.4' E	Fl.(3)G. period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4.5s	26 8	3	Green metal column, balcony; 16.	
12860 C 3834	-Hundipea Harbor, NW. breakwater, head.	59° 27.6' N 24° 43.1' E	Fl.W. period 7s fl. 1s, ec. 6s	23 7	2	White metal column, red top, balcony; 16.	
12864 C 3837	-Paljassaare Harbor, Entrance Range, front.	59° 27.4' N 24° 42.2' E	Iso.R. period 6s	92 28	3	Metal framework tower, white diamond daymark, red stripe; 82.	Visible 245°06'-253°06'.
12868 C 3837.1	--Rear, 210 meters 249°12' from front.	59° 27.4' N 24° 42.0' E	Iso.R. period 6s	125 38	3	Metal framework tower, white diamond daymark, red stripe; 112.	Visible 245°06'-253°06'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ESTONIA-GULF OF FINLAND							
12869 <i>C 3822</i>	-Lennusadama Harbor, E. mole.	59° 27.3' N 24° 44.2' E	Fl.R. period 3s fl. 1s, ec. 2s	23 7	2	Red metal column, balcony; 16.	
12870 <i>C 3822.2</i>	--W. mole.	59° 27.3' N 24° 44.1' E	Fl.G. period 3s fl. 1s, ec. 2s	23 7	2	Green metal column; 10.	
12871 <i>C 3840.8</i>	-Pirita Harbor Range, front.	59° 28.1' N 24° 49.2' E	Iso.R. period 2s	36 11	5	Orange round concrete tower, three white balconies; 30.	Visible 134°42'-137°42'. Shown May 1 to Nov. 1.
12871.1 <i>C 3840.81</i>	--Rear, 400 meters 136°12' from front.	59° 28.0' N 24° 49.5' E	Iso.R. period 4s	102 31	5	White square concrete tower; 92.	Visible 134°42'-137°42'. Shown May 1 to Nov. 1.
12873 <i>C 3841.84</i>	-N. basin.	59° 29.9' N 24° 48.6' E	Fl.W. period 3s fl. 1s, ec. 2s	23 7	3	Red metal cylinder; 16.	
12874 <i>C 3841.9</i>	-Miiduranna Harbor, Entrance Range, front.	59° 30.0' N 24° 48.9' E	Q.(2)G. period 3s	43 13	2	Building, yellow rectangular daymark, black stripe; 36.	Visible 041°-050°36'.
12874.1 <i>C 3841.91</i>	--Rear, 110 meters 044°24' from front.	59° 30.0' N 24° 49.0' E	Oc.G. period 5s lt. 3s, ec. 2s	56 17	2	Building, yellow rectangular daymark, black stripe; 39.	Visible 036°36'-051°24'.
12876 <i>C 3841</i>	-S. mole, head.	59° 28.2' N 24° 49.1' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	23 7	1	Green metal cylinder; 16.	
12876.5 <i>C 3841.2</i>	-N. mole, head.	59° 28.2' N 24° 49.1' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	23 7	2	Orange metal cylinder; 16.	
12878 <i>C 3841.6</i>	-Dolphin.	59° 29.7' N 24° 48.0' E	Q.(3)R. period 4.5s	26 8	2	Red metal column; 10.	
12879 <i>C 3841.8</i>	--Miiduranna Harbor. S. basin. Pier, head.	59° 29.9' N 24° 49.0' E	Q.R.	23 7	3	White metal column; 16.	
12879.01 <i>C 3805.7</i>	Rohuneeme Range, front.	59° 33.5' N 24° 47.6' E	Oc.R. period 3s lt. 2.5s, ec. 0.5s	13 4	2	Red metal post, black stripe, white trapezoidal daymark; 7.	Visible 133°42'-139°42'.
12879.02 <i>C 3805.71</i>	-Rear, 92 meters 137°12', from front.	59° 33.5' N 24° 47.6' E	Oc.R. period 3s lt. 2.5s, ec. 0.5s	23 7	2	Red metal post, black stripe, white trapezoidal daymark; 16.	Visible 133°42'-139°42'.
12879.03 <i>C 3805.5</i>	-Pierhead.	59° 33.5' N 24° 47.6' E	Fl.G. period 3s fl. 1s, ec. 2s	13 4	3	Green metal post; 10.	
12879.031 <i>C 3850.6</i>	Kelvingi Harbor, N. mole.	59° 33.4' N 24° 50.3' E	FG.	10 3	2	Green metal column; 6.	
12879.032 <i>C 3850.7</i>	-S. mole.	59° 33.3' N 24° 50.3' E	FR.	11 4	2	Red metal column; 6.	
12879.04 <i>C 3851.1</i>	-Leppneeme Harbor, Entrance Range, front.	59° 33.1' N 24° 52.1' E	Q.G.	19 6	2	Metal column, red rectangular daymark, white stripe; 16.	Visible 224°06'-228°06'.
12879.05 <i>C 3851.11</i>	--Rear, 87 meters 226°30' from front.	59° 33.0' N 24° 52.0' E	Oc.G. period 3s	37 11	2	Metal column, red rectangular daymark, white stripe; 33.	Visible 224°06'-228°06'.
12879.06 <i>C 3851.13</i>	-Pier.	59° 33.1' N 24° 52.1' E	Fl.R. period 3s fl. 1s, ec. 2s	16 5	2	Red metal column; 10.	
12879.1 <i>C 3854</i>	-Muuga Range, front.	59° 29.7' N 24° 56.6' E	Oc.R. period 5s lt. 3s, ec. 2s	118 36	10	White round metal tower, black rectangular daymarks; 108.	Visible 214°48'-220°48'.
12879.2 <i>C 3854.1</i>	--Rear, 500 meters 217°48' from front.	59° 29.4' N 24° 56.2' E	Oc.R. period 5s lt. 3s, ec. 2s	177 54	10	White round metal tower, black rectangular daymarks; 157.	Visible 214°48'-220°48'.
12879.23 <i>C 3854.45</i>	--Quay No 16.	59° 29.6' N 24° 57.9' E	Q.(5)Y. period 10s	26 8	3	Orange metal framework mast, truncated pyramid; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ESTONIA-GULF OF FINLAND							
12879.24 C 3854.5	--Quay No 17.	59° 29.7' N 24° 58.1' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	26 8	3	Orange metal framework mast, truncated pyramid; 16.	
12879.25 C 3805.2	-Approach Harbor Range light, front.	59° 33.5' N 24° 47.5' E	Oc.R. period 2s lt. 1.5s, ec. 0.5s	13 4	2	Orange metal post, orange trapezoidal daymark, black stripe; 10.	Visible 074°12'-084°12'.
12879.26 C 3805.25	--Rear, 143 meters 079°12' from front.	59° 33.5' N 24° 47.7' E	Oc.R. period 2s lt. 1.5s, ec. 0.5s	30 9	2	Orange metal post, orange trapezoidal daymark, black stripe; 20.	Visible 074°12'-084°12'.
PRANGLI SAAR:							
12880 C 3846	-NW. point.	59° 38.7' N 24° 58.1' E	Q.(4)W. period 15s	52 16	6	White round concrete tower; 43.	
12882 C 3849	-Kelnase Range, front.	59° 38.2' N 25° 00.8' E	Q.G.	16 5	2	Metal column, red rectangular daymark, white stripe; 10.	Visible 219°42'-223°42'.
12882.1 C 3849.1	--Rear, 101 meters 222°48' from front.	59° 38.2' N 25° 00.7' E	Oc.G. period 4s lt. 3s, ec. 1s	26 8	2	Metal column, red rectangular daymark, white stripe; 20.	Visible 219°42'-223°42'.
12884 C 3850	-SE. point.	59° 36.9' N 25° 02.2' E	Fl.(4)W. period 24s fl. 1.5s, ec. 1.5s fl. 1.5s, ec. 1.5s fl. 1.5s, ec. 1.5s fl. 1.5s, ec. 13.5s	128 39	6	Metal framework tower, planking; 98.	Lower part of structure obscured by forest.
12885 C 3851.2	Karbimadal.	59° 33.0' N 24° 58.3' E	Q.(3)W.+L.Fl.W.R.G. period 10s	52 16	6	Red round metal tower, white top, two red balconies; 49.	G.252°36'-257°36', W.- 262°36', R.-267°36', W.- 252°36'.
12888 C 3851.4	-Kojunuki Harbor, E. mole.	59° 30.3' N 25° 05.5' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	13 4	3	White structure; 8.	Visible 135°-315°.
12896 C 3844	Keri.	59° 41.9' N 25° 01.4' E	L.Fl.W. period 15s fl. 2s, ec. 13s	102 31	11	Red metal tower, balcony, lantern, brick base; 102.	
12900.5 C 3850.5	Aksi.	59° 35.7' N 25° 05.9' E	Fl.G. period 3s fl. 1s, ec. 2s	72 22	6	Black round metal tower, three white cylinders on top; 49.	
12908 C 3860	Juminda Nina.	59° 38.8' N 25° 30.6' E	L.Fl.(2)W. period 15s fl. 3s, ec. 2s fl. 3s, ec. 7s	131 40	12	White round concrete tower, red utop, two balconies, lantern; 105.	
12912 C 3868	Mohni Saar.	59° 41.0' N 25° 47.7' E	L.Fl.W. period 20s fl. 4s, ec. 16s	108 33	10	Red round stone tower, balcony, lantern; 89.	
VERGI:							
12920 C 3872	-Kaupa Island.	59° 36.1' N 26° 06.0' E	Fl.W.R.G. period 3s fl. 0.5s, ec. 2.5s	36 11	7	White round concrete tower, balcony, lantern; 33.	G. 120°-167°, W.-267°, R.- 356°, W.-003°.
12924 C 3874	Vainupaa.	59° 35.2' N 26° 15.9' E	Fl.W. period 6s fl. 1s, ec. 5s	79 24	7	Metal framework tower, white rectangular daymark, planking on three sides; 66.	
12928 C 3876	Vaindloo.	59° 49.0' N 26° 21.6' E	Fl.W.R. period 15s fl. 1s, ec. 14s	65 20	W. 11 R. 7	White conical metal tower, balcony, lantern; 56.	W. 065°-319°, R.-065°. Ice signals.
12935 C 3877	Uhtju.	59° 40.6' N 26° 30.7' E	Fl.W. period 4s	56 17	6	Gray round metal tower, red top, gray cylindrical daymark; 39.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ESTONIA-GULF OF FINLAND							
KUNDA LAHT							
12936 <i>C 3878</i>	-Kunda Range, front.	59° 31.1' N 26° 33.4' E	Iso.W. period 2s	39 12	10	Yellow metal post, white rectangular daymark, red stripe; 26.	Visible 160°06'-163°06'.
12936.1 <i>C 3878.1</i>	--Rear, 920 meters 162° from front.	59° 30.6' N 26° 33.7' E	Oc.W. period 6s fl. 4s, ec. 2s	85 26	10	Yellow metal post, white rectangular daymark, red stripe; 52.	Visible 160°06'-163°06'.
12940 <i>C 3884</i>	Letipea Neem, on extremity.	59° 33.1' N 26° 36.4' E	Fl.(4)W. period 18s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 11s	62 19	7	White square concrete tower; 49.	
12944 <i>C 3888</i>	Moldova.	59° 25.9' N 27° 03.3' E	Fl.W. period 3s fl. 1s, ec. 2s	187 57	12	Square metal framework tower, white planking on three sides, black top; 92.	
12948 <i>C 3890</i>	Valaste.	59° 26.7' N 27° 21.9' E	Fl.W. period 2s fl. 0.3s, ec. 1.7s	240 73	7	White metal framework mast, orange bands; 164.	
12952 <i>C 3892</i>	Sillamae Harbor, oil pier.	59° 25.6' N 27° 44.4' E	Iso.W. period 2s	55 17	6	Metal framework mast; 98.	
VERGI:							
12952.5 <i>C 3892.4</i>	-W. mole.	59° 25.4' N 27° 43.6' E	Q.G.	26 8	3	Green concrete column; 3.	
12953 <i>C 3892.5</i>	-E. mole.	59° 25.4' N 27° 44.6' E	Fl.(2)G. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	26 8	3	Green concrete column, yellow balcony; 3.	
12956 <i>C 3894</i>	-Narva-Joesuu entrance.	59° 28.1' N 28° 02.5' E	L.Fl.(2)W. period 12s fl. 2s, ec. 3s fl. 2s, ec. 5s	115 35	15	White round stone tower, red band, black balcony, lantern; 102.	
12957 <i>C 3897</i>	--Narva-Joesuu Range, front.	59° 27.8' N 28° 02.9' E	Iso.R. period 2s	33 10	1	White rectangular daymark, black triangular daymark point up; 23.	Visible 157°-167°.
12957.1 <i>C 3897.1</i>	---Rear, 90 meters 162° from front.	59° 27.7' N 28° 02.9' E	Iso.R. period 4s	52 16	1	White rectangular daymark, black triangular daymark point up; 36.	Visible 157°-167°.
RUSSIA-GULF OF FINLAND							
12960 <i>C 3938</i>	Ostrov Bol'shoy-Tyuters.	59° 51.3' N 27° 11.2' E	Mo.(A)W. period 14s fl. 1s, ec. 1s fl. 3s, ec. 9s	247 75	20	Red hexagonal brick tower; 79.	Reserve light Fl.W. 4s 7M.
12964 <i>C 3940</i>	Vigrund.	59° 46.6' N 27° 43.8' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	72 22	7	Red four-sided framework tower, wooden stripes, platform; 66.	
12972 <i>C 3918</i>	Kaybolovo.	59° 44.4' N 28° 01.8' E	Iso.W. period 8s	199 61	18	White four-sided framework tower; 121.	Reserve light range 8M. Radiobeacon.
12980 <i>C 3962</i>	Rif Ostrovnoy.	59° 56.0' N 27° 59.0' E	Fl.R. period 2s fl. 0.5s, ec. 1.5s	26 8	3	Red four-sided framework beacon, base; 20.	Shown May 15 to Jan. 15.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
RUSSIA-GULF OF FINLAND							
LUZHSKAYA GUBA:							
12984 <i>C 3976</i>	-Mys Pikhliisar, W. side of bay.	59° 47.2' N 28° 10.3' E	Fl.W. period 4s fl. 1s, ec. 3s	94 29	7	Red four-sided framework tower, white rectangular daymark; 82.	
12985 <i>C 3977</i>	-Mys Luto.	59° 42.7' N 28° 13.5' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	82 25	5	Red four-sided framework tower, white rectangular daymark, black stripe; 69.	
12986 <i>C 3981</i>	-Luzhskiy Morskoy Range, front.	59° 04.2' N 28° 25.0' E	Fl.R. period 1.5s fl. 0.5s, ec. 1s	72 22	11	Three-sided framework tower, red rectangular daymark, white stripe; 66.	
12987 <i>C 3981.1</i>	--Rear, 778 meters 164°06' from front.	59° 39.8' N 28° 25.3' E	Oc.R. period 3s lt. 2.5s, ec. 0.5s	154 47	11	Three-sided framework tower, red rectangular daymark, white stripe; 115.	
12987.8 <i>C 3982.1</i>	-Luzhskiy Morskoy-Zapadnyy Range, front.	59° 43.9' N 28° 26.8' E	Fl.R. period 1.5s fl. 0.5s, ec. 1s	144 44	10	Framework tower, white rectangular panel, black stripe; 138.	
12987.81 <i>C 3982.2</i>	--Rear, 127.6° from front.	59° 43.6' N 28° 27.6' E	Fl.R. period 1.5s fl. 0.5s, ec. 1s	223 68	10	Framework tower, white rectangular panel, black stripe; 220.	
12988 <i>C 3986</i>	-Gorki.	59° 48.0' N 28° 29.8' E	Iso.W. period 6s	509 155	25	Red four-sided framework tower; 49.	Reserve light range 7M.
12992 <i>C 3988</i>	Mys Kolgampya Range, near N. extremity, front.	59° 50.9' N 28° 32.7' E	Q.W.	79 24	7	Red four-sided framework tower, white rectangular daymark, black stripe; 69.	
12996 <i>C 3988.1</i>	-Rear, 1,189 meters 190° from front.	59° 50.3' N 28° 32.5' E	Iso.W. period 4s	105 32	10	Four-sided truncated pyramidal, black stripe, white trapezoidal daymark; 46.	Visible on range line only.
13004 <i>C 4004</i>	Mys Shepelevskiy.	59° 59.1' N 29° 07.6' E	L.Fl.(2)W.R. period 16s fl. 4s, ec. 2s fl. 4s, ec. 6s	122 37	14	White round tower, red bands; 118.	R. 053°-100°, W.-265°, R.- 280°. Reserve light 10s 8M.
13008 <i>C 4006</i>	Krasnaya Gorka.	59° 58.1' N 29° 22.7' E	Iso.W. period 3s	197 60	15	Red four-sided framework tower, white stripe; 125.	Reserve light range 8M.
13012 <i>C 4010</i>	Tolbukhin.	60° 02.5' N 29° 32.5' E	L.Fl.W. period 12s fl. 3s, ec. 9s	95 29	16	White round tower, building; 98.	Reserve light range 10M.
13020 <i>C 4036</i>	Srednyaya Gavan Range, front.	59° 58.6' N 29° 46.3' E	Q.R.	52 16	8	Tower, white rectangular daymark, red stripe; 39.	Visible on range line only. Shown 24 hours.
13020.1 <i>C 4036.1</i>	-Middle, 23 meters 108.7° from front.	59° 58.5' N 29° 47.3' E	Q.R.	95 29	8	Tower, white rectangular daymark, red stripe; 82.	Visible on range line only.
13020.2 <i>C 4036.2</i>	-Rear, 4.1 km. 108.7° from middle.	59° 57.8' N 29° 51.4' E	Q.R.	154 47	10	Tower, white rectangular daymark, red stripe; 131.	Visible on range line only.
OSTROV KOTLIN:							
13021 <i>C 4011</i>	-S. mole, W. side.	59° 59.4' N 29° 41.2' E	Fl.(2)G. period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	56 17	5	Green round tower, white band; 33.	
13021.1 <i>C 4011.2</i>	-N. mole, W. side.	59° 59.6' N 29° 41.4' E	Fl.(2)R. period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	56 17	5	Red round tower, white band; 33.	
13022 <i>C 4011.4</i>	-S. mole, E. side.	59° 59.3' N 29° 42.0' E	Fl.(2)G. period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	46 14	5	Green round tower, white band; 33.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
RUSSIA-GULF OF FINLAND							
13022.1 <i>C 4011.6</i>	-N. mole, E. side.	59° 59.5' N 29° 42.2' E	Fl.(2)R. period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	46 14	5	Red round tower, white band; 33.	
KRONSHTADT:							
13024 <i>C 4020</i>	-Kabotazhnaya Gavan Range, front.	59° 59.0' N 29° 44.9' E	Fl.R. period 2.5s fl. 0.5s, ec. 2s	52 16	6	Four-sided framework tower, white trapezoidal daymark, black stripe; 49.	Visible on range line only. Shown 24 hours.
13024.1 <i>C 4020.1</i>	--Rear, 760 meters 091°12' from front.	59° 59.0' N 29° 45.7' E	Q.R.	102 31	6	Four-sided framework tower, red trapezoidal daymark, black stripe; 95.	Visible on range line only.
13028 <i>C 4030</i>	-Pverekhodnive Range, front.	59° 58.9' N 29° 45.5' E	Iso.R. period 2s	33 10	3	Red truncated pyramid, red trapezoidal daymark, black stripe; 23.	Visible on range line only. Shown 24 hours.
13028.1 <i>C 4030.1</i>	--Rear, 120 meters 315°06' from front.	59° 59.0' N 29° 45.4' E	Iso.R. period 2s	46 14	3	Four-sided truncated pyramid, red trapezoidal daymark, black stripe; 36.	Visible on range line only. Synchronized with front.
13032 <i>C 4014</i>	-Ostrov Kronshot, N. extremity.	59° 58.8' N 29° 44.9' E	Fl.W. period 4s fl. 1s, ec. 3s	23 7	1	Red round structure on base; 10.	
13036 <i>C 4042</i>	-Voyennaya Gavan Naval Harbor.	59° 58.2' N 29° 47.1' E	Iso.W. period 4s	46 14	3	Red round framework tower; 39.	Visible 218°-150°.
13040 <i>C 4012.1</i>	-Lomonosovskogo.	59° 58.3' N 29° 47.3' E	F.G.	171 52	4	Gray octagonal tower; 177.	Visible 003°-008°.
13044 <i>C 4042.2</i>	-Fairway No 15 Range, front.	59° 59.1' N 29° 48.0' E	F.G.	46 14	3	White round tower, black stripe; 39.	Visible on range line only.
13044.1 <i>C 4042.21</i>	--Rear, 127 meters 130°18' from front.	59° 59.1' N 29° 47.9' E	F.G.	59 18	3	White round tower, black stripe; 52.	Visible on range line only.
13045 <i>C 4077.9</i>	Aleksandrovskaya inner breakwater, W. mole.	60° 01.4' N 29° 50.0' E	Fl.(2)G. period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	39 12	5	Green tower, white bands; 26.	
13045.1 <i>C 4077.8</i>	-E. mole.	60° 01.4' N 29° 50.2' E	Fl.(2)R. period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	39 12	5	Green tower, white bands; 26.	
13045.2 <i>C 4078.2</i>	Aleksandrovskaya outer breakwater, W. mole.	60° 01.7' N 29° 49.8' E	Fl.(2)G. period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	46 14	5	Green tower, white bands; 26.	
13045.3 <i>C 4078</i>	-E. mole.	60° 01.7' N 29° 50.0' E	Fl.(2)R. period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	46 14	5	Red round tower, white bands; 26.	
MORSKOY KANAL:							
13048 <i>C 4059</i>	-Morskoy Kanal Range, front.	59° 58.1' N 29° 46.0' E	Fl.R. period 1.5s fl. 0.5s, ec. 1s	62 19	12	Gray octagonal tower, white stripe; 66.	Visible on range line only. Shown 24 hours.
13048.1 <i>C 4059.1</i>	--Rear, about 2.2 km. 291°54' from front.	59° 58.5' N 29° 43.9' E	L.Fl.R. period 6s fl. 2s, ec. 4s	131 40	13	Gray octagonal tower, black and white bands; 135.	Visible on range line only. Reserve light Q.W. 8M.
13052 <i>C 4047</i>	-Lomonosov Fairway No 7 Range, front.	59° 55.5' N 29° 46.8' E	F.R.	62 19	3	White round tower, red rectangular daymark, white stripe; 46.	Visible on range line only. Reserve light Q.R. 3M.
13052.1 <i>C 4047.1</i>	--Rear, 530 meters 185°54' from front.	59° 55.3' N 29° 46.7' E	F.R.	98 30	3	Post, red trapezoidal daymark, white stripe; 92.	Visible on range line only. Reserve light Iso.R. 4s 3M.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
RUSSIA-GULF OF FINLAND							
13053 <i>C 4047.5</i>	-Lomonosovskiy, W. breakwater.	59° 55.8' N 29° 46.8' E	FI.G. period 3s fl. 0.5s, ec. 2.5s	26 8	2	Green round tower; 16.	
13054 <i>C 4048</i>	-Lomonosov Fairway No 8 Range, front.	59° 55.3' N 29° 46.7' E	Oc.G. period 3s lt. 2s, ec. 1s	33 10	5	White round tower, white diamond daymark, black stripe; 26.	Visible on range line only. Shown Apr. 20 to Dec. 1.
13054.1 <i>C 4048.1</i>	--Rear, 180 meters 205°30' from front.	59° 55.2' N 29° 46.6' E	Oc.G. period 3s lt. 2s, ec. 1s	62 19	5	Four-sided framework tower, white rectangular daymark, black stripe; 59.	Visible on range line only. Synchronized with front.
13056 <i>C 4050</i>	-Petrodvorets Range, common front.	59° 53.5' N 29° 54.9' E	Q.W.	20 6	5	White beacon, red stripes; 13.	
13056.1 <i>C 4051</i>	--Fairway No 11 Rear, about 655 meters 240°12' from front.	59° 53.3' N 29° 54.3' E	Oc.W. period 3s lt. 2s, ec. 1s	66 20	5	Red four-sided framework tower, white rectangular daymark, black stripe; 59.	Visible on range line only. Shown Apr. 24 to Nov. 10.
13056.2 <i>C 4052</i>	--Rear, 495 meters 182°06' from front.	59° 53.3' N 29° 54.9' E	Iso.W. period 3s	39 12	5	White multi-sided tower, red stripe, red top; 39.	Visible on range line only. Shown Apr. 24 to Nov. 10.
13058 <i>C 4063</i>	-Strel'na Range, front.	59° 51.8' N 30° 02.8' E	Oc.G. period 3s lt. 2s, ec. 1s	43 13	5	Metal framework tower, white rectangular daymark, red stripe; 33.	Visible on range line only. Shown May 15 to Nov. 15.
13058.1 <i>C 4063.01</i>	--Rear, about 470 meters 186°36' from front.	59° 51.6' N 30° 02.8' E	Oc.G. period 3s lt. 2s, ec. 1s	92 28	5	Metal framework tower, white rectangular daymark, red stripe; 82.	Visible on range line only. Synchronized with front. Shown May 15 to Nov. 15.
13059 <i>C 4063.6</i>	-Vodokanala.	59° 51.5' N 30° 06.4' E	Iso.R. period 4s		3		Visible 154°-214°.
13060 <i>C 4060</i>	-Severnaya Damba, head.	59° 54.3' N 30° 05.5' E	FI.R. period 1.5s fl. 0.5s, ec. 1s	36 11	3	Red round tower, white band, red base; 30.	
13060.1 <i>C 4061</i>	-Yuzhnaya Damba, head.	59° 54.1' N 30° 05.8' E	FI.G. period 1.5s fl. 0.5s, ec. 1s	36 11	3	Black round tower, white bands, black base; 30.	
13062 <i>C 4062</i>	-Lesnoy Mol Range, front.	59° 53.0' N 30° 11.1' E	Oc.R. period 3s lt. 2s, ec. 1s	69 21	10	Four-sided metal framework tower, red rectangular daymarks, black stripe; 52.	Visible on range line only.
13062.1 <i>C 4062.05</i>	--Middle, 330 meters 111°54' from front.	59° 53.0' N 30° 11.4' E	Oc.G. period 5s lt. 3s, ec. 2s	89 27	3	Black four-sided framework tower; 79.	Visible on range line only.
13062.2 <i>C 4062.2</i>	--Rear, about 1.6 km. 111°54' from middle.	59° 52.7' N 30° 13.0' E	Oc.R. period 4s	249 76	10	Red structure, white bands, orange stripe; 239.	Visible on range line only.
SANKT-PETERBURG HARBOR:							
13064 <i>C 4064</i>	-Lesnoy Mol, N. corner.	59° 53.2' N 30° 12.0' E	FI.G. period 3s fl. 0.5s, ec. 2.5s	26 8	2	Black round column, white bands; 16.	
13065 <i>C 4065</i>	-Bol'shaya Turukhtannaya Gavan.	59° 52.4' N 30° 12.6' E	Iso.G. period 6s	30 9	3	Green round metal tower, white band; 16.	
13066 <i>C 4069</i>	-Yuzhnaya Damba, NW. corner.	59° 53.4' N 30° 12.5' E	FI.W. period 3s fl. 0.5s, ec. 2.5s	30 9	2	Black round column, red bands; 20.	
13068 <i>C 4070</i>	--SE. corner.	59° 53.3' N 30° 12.7' E	FI.R. period 3s fl. 0.5s, ec. 2.5s	30 9	2	Red round column, white bands; 20.	
13069 <i>C 4072.5</i>	-Poluostrov Gladkiy.	59° 53.0' N 30° 13.5' E	Iso.G. period 4s	30 9	3	Green round metal tower, white band; 16.	
13070 <i>C 4074</i>	-Ostrov Kanonerskiy, N. end.	59° 54.8' N 30° 14.0' E	FI.R. period 3s fl. 0.3s, ec. 2.7s	30 9	2	Red round column, white bands; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
RUSSIA-GULF OF FINLAND							
13071 <i>C 4075.15</i>	-Tamozhennaya.	59° 54.9' N 30° 15.4' E	F.W.R.G.	82 25	10	Four-sided tower, orange rectangular daymark, black stripe; 39.	R. 122°54'-131°06', W.-134°30', G.-142°54'. Shown 24 hours.
13072 <i>C 4074.2</i>	-Korabelnyy Kanal.	59° 54.8' N 30° 14.3' E	Dir.W.R.G.	223 68	W. 12 R. 6 G. 6	Red round tower, white bands; 39.	F.G. 113°42'-115°12', F.W.-115°48', F.R.-117°12'. Shown Apr. 20 to Dec. 1. Range 6M by day.
13073 <i>C 4076</i>	-Zheleznaya Stenka.	59° 54.8' N 30° 14.3' E	Fl.W. period 1.5s fl. 0.5s, ec. 1s	26 8	2	Black round column, white bands; 16.	
13074 <i>C 4076.2</i>	-Naberezhnaya.	59° 54.9' N 30° 15.6' E	Fl.R. period 1.5s fl. 0.5s, ec. 1s	30 9	2	Black round column, white bands; 20.	
PASSAZHIRSKIY PORT:							
13076 <i>C 4076.61</i>	-Petrovskiy Kanal Range, front.	59° 54.9' N 29° 58.9' E	Iso.R. period 6s	49 15	8	White tower, red stripe; 33.	Visible on range line only.
13076.1 <i>C 4076.611</i>	--Rear, 2 km. 245°30' from front.	59° 54.5' N 29° 57.0' E	Iso.R. period 6s	98 30	8	White tower, red stripe; 82.	
13077 <i>C 4076.5</i>	-Ostrov Krestovskiy Range, front.	59° 58.2' N 30° 13.2' E	F.R.	46 14	11	White round tower, red stripe; 39.	Visible on range line only. Visible 065°-066°. Shown Apr. 25 to Dec. 1. Reserve light Fl.R. 2s 2M.
13077.1 <i>C 4076.51</i>	--Rear, 310 meters 065°30' from front.	59° 58.3' N 30° 13.5' E	F.R.	59 18	11	White round tower, red stripe; 56.	Visible on range line only. Visible 065°-066°. Reserve light Fl.R. 3s 2M.
13077.5 <i>C 4076.45</i>	-Podkhodnogo Kanala Range, front.	59° 57.2' N 30° 07.5' E	Iso.G. period 6s		3		Visible on range line only. Shown Apr. 25 to Dec. 1.
13077.51 <i>C 4076.451</i>	--Rear, 500 meters 281°12' from front.	59° 57.3' N 30° 07.0' E	Iso.G. period 6s		4		Visible on range line only.
13078 <i>C 4076.43</i>	-S. side.	59° 56.7' N 30° 10.7' E	Fl.(2)G. period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	49 15	5	Green tower, white band; 36.	
13078.1 <i>C 4076.44</i>	-N. side.	59° 57.2' N 30° 11.0' E	Fl.(2)R. period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	49 15	5	Red tower, white band; 36.	
13079 <i>C 4076.7</i>	-Lakhtinskiy Gaven Range, front.	59° 59.2' N 30° 11.2' E	Q.R.	43 13	2	Black structure, red trapezoidal daymark, black stripe; 26.	Visible 014°18'-015°18'. Shown Apr. 20 to Dec. 1. Reserve light Fl.R. 3s 2M.
13079.1 <i>C 4076.71</i>	--Rear, 296 meters 014°48' from front.	59° 59.4' N 30° 11.3' E	Oc.R. period 3.5s lt. 2s, ec. 1.5s	82 25	2	Black structure, red rectangular daymark, black stripe; 66.	Visible 014°18'-015°18'. Reserve light Fl.R. 4s 2M.
13080 <i>C 5584</i>	Stirsudden (Mys Seyveste).	60° 11.1' N 29° 01.8' E	Fl.(2)W. period 15s fl. 0.4s, ec. 3.5s fl. 0.4s, ec. 10.7s	153 47	21	White round concrete tower, red bands, balcony; 92.	Reserve light L.Fl.W. 5s 7M.
13081 <i>C 5586</i>	-Mys Flotskiy.	60° 10.0' N 29° 09.0' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	79 24	7	Red four-sided framework tower, white rectangular daymark; 66.	
13084 <i>C 5582</i>	Kyurenniyemi.	60° 16.0' N 28° 55.0' E	Fl.W. period 3s fl. 1s, ec. 2s	83 25	7	Red four-sided framework tower, white trapezoidal daymark, black stripe; 69.	Visible on range line only.
13085 <i>C 5569</i>	-Range, front.	60° 17.5' N 28° 51.0' E	Fl.W. period 1.5s fl. 0.5s, ec. 1s	95 29	10	Red round tower, white stripe; 82.	Visible on range line only. Shown 24 hours.
13086 <i>C 5569.1</i>	--Rear, 930 meters 030° from front.	60° 18.0' N 28° 51.6' E	Oc.W. period 3s lt. 2s, ec. 1s	207 63	10	Red round tower, white stripe; 82.	Visible on range line only.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
RUSSIA-GULF OF FINLAND							
13088 <i>C 5568</i>	Ostrov Syarkkyluoto.	60° 18.0' N 28° 48.0' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	49 15	3	Four-sided tower, white rectangular daymark, black bands; 39.	
13092 <i>C 5567</i>	Ostrov Dlinnoberezhnyy.	60° 18.0' N 28° 43.0' E	Fl.W.R.G. period 2s fl. 0.5s, ec. 1.5s	19 6	W. 7 R. 4 G. 2	Red and white four-sided tower, white lantern.	G. 134°-139°, W.-275°, R.-280°, G.-285°, W.-316°, R.-344°.
13097.1 <i>C 5562.28</i>	-Prichalnyy No 5.	60° 19.1' N 28° 43.9' E	Iso.G. period 2s	36 11	3	Green column, white band; 26.	
13097.2 <i>C 5562.29</i>	--No 4.	60° 19.3' N 28° 43.9' E	Iso.R. period 2s	36 11	3	Red column, white band; 26.	
13097.3 <i>C 5562.3</i>	--No 6.	60° 19.6' N 28° 43.9' E	L.Fl.R. period 7s fl. 3s, ec. 4s	26 8	3	Red column; 16.	
13100 <i>C 5562</i>	Lotsmanskiy (Primorsk).	60° 21.0' N 28° 38.0' E	Fl.(2)W.R.G. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	88 27	W. 7 R. 4 G. 2	Red framework beacon, white rectangular daymark, red stripe; 66.	G. 304°-310°, W.-316°, R.-035°, G.-105°, W.-115°, R.-150°.
13104 <i>C 5500</i>	Ostrov Rondo (Ruonti) Range, front.	60° 27.0' N 28° 21.3' E	Fl.W.R.G. period 1.5s fl. 0.5s, ec. 1s	47 14	W. 9 R. 6 G. 5	Red framework beacon, white rectangular daymark, black stripe; 33.	G. 063°-068°, W.-077°, R.-128°, G.-162°, W.-183°, R.-201°, G.-214°, W.-234°, R.-252°, W.-063°.
13108 <i>C 5500.1</i>	-Rear, 072°42' from front, N. end of Ostrov Severnyy Berezovyy (Plyasari).	60° 27.8' N 28° 26.4' E	L.Fl.W.R.G. period 6s fl. 2s, ec. 4s	129 39	W. 9 R. 4 G. 2	Red framework beacon, white rectangular daymark, black stripe; 115.	W. 012°-089°, R.-114°, G.-168°, W.-174°, R.-274°.
VYBORG APPROACH:							
13112 <i>C 5506</i>	-Ostrov Mayachnyy.	60° 34.5' N 28° 25.4' E	Fl.W.R.G. period 1.5s fl. 0.5s, ec. 1s	60 18	W. 7 R. 4 G. 2	White octagonal tower, red lantern; 43.	G. 351-359°, W.-009°, R.-020°, G.-029°, W.-231°, G.-249°, W.-255°, R.-270°.
13116 <i>C 5508</i>	-Ostrov Vikhrevov-Saari, SE. point.	60° 33.8' N 28° 26.8' E	L.Fl.W.R.G. period 6s fl. 2s, ec. 4s	16 5	W. 7 R. 3 G. 2	White octagonal structure, base; 10.	G. 163°-218°, W.-225°, R.-260°.
13117 <i>C 5511</i>	-Ostrov Igrivyy Range, front.	60° 35.7' N 28° 26.4' E	Fl.W. period 1.5s fl. 0.5s, ec. 1s	33 10	9	Red post, white rectangular daymark, red stripe; 20.	Visible on range line only.
13118 <i>C 5511.1</i>	--Rear, 450 meters 041° from front.	60° 35.8' N 28° 26.7' E	Fl.W. period 3s fl. 1s, ec. 2s	59 18	9	Red post, white rectangular daymark, red stripe; 39.	Visible on range line only.
13119 <i>C 5513.4</i>	-Detinets-Zapadnyy.	60° 35.6' N 28° 32.6' E	Fl.(2).R. period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	39 12	3	Red column, black band, platform; 26.	
13119.1 <i>C 5513.2</i>	-Detinets-Yuzhnyy.	60° 35.5' N 28° 33.1' E	Fl.R. period 1.5s fl. 0.5s, ec. 1s	30 9	3	Red column, white band, platform; 17.	
13119.2 <i>C 5513</i>	-Portoflota.	60° 35.5' N 28° 33.5' E	Fl.(2).G. period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	26 8	3	Green column, white band, platform; 17.	
13120 <i>C 5514</i>	-Range, front, Banka Khalliviki.	60° 36.5' N 28° 31.6' E	Fl.Y. period 1.5s fl. 0.5s, ec. 1s	26 8	4	White round beacon, black stripe; 13.	
13124 <i>C 5514.1</i>	--Rear, Mys Ostryy, 926 meters 043°18' from front.	60° 36.9' N 28° 32.3' E	Oc.Y. period 3s lt. 2s, ec. 1s	66 20	4	White round tower, black stripes; 52.	
13140 <i>C 5520</i>	-Malyy Vysotskiy, Yuzhnyy Range, front.	60° 37.8' N 28° 33.4' E	Fl.W. period 1.5s fl. 0.5s, ec. 1s	20 6	5	White round structure, green stripe, white post; 16.	Visible on range line only.
13144 <i>C 5520.1</i>	--Rear, 205 meters 005°54' from front.	60° 37.9' N 28° 33.5' E	Iso.W. period 2s	29 9	5	White round structure, green stripe, white post; 16.	Visible on range line only.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
RUSSIA-GULF OF FINLAND							
13148 C 5521	-Pinkeli.	60° 37.4' N 28° 33.4' E	Fl.G. period 2s	29	2	Post, green rectangular daymark, white band, base; 16.	
13152 C 5524	-Maly Vysotskiy, Sevemyy Range, front.	60° 38.3' N 28° 34.1' E	Fl.W. period 1.5s fl. 0.5s, ec. 1s	21	6	4 White round structure, red diamond daymark, white post; 16.	Visible 238°-346°.
13156 C 5524.1	--Rear, 135 meters 253°30' from front.	60° 38.3' N 28° 33.9' E	Iso.W. period 4s	30	9	4 White round structure, red diamond daymark, white post; 16.	Visible on range line only.
13160 C 5530	-Ostrov Patteri Range, front.	60° 38.1' N 28° 34.5' E	Q.W.	42	13	8 White round tower, white truncated conical structure, red stripe; 36.	Visible on range line only.
13164 C 5530.1	--Rear, 222 meters 223°06' from front.	60° 38.0' N 28° 34.3' E	Iso.W. period 4s	72	22	8 White round tower, white truncated conical structure, red stripe; 52.	Visible on range line only. Synchronized with front.
13168 C 5522	-Khumallakhti Range, front.	60° 38.5' N 28° 34.5' E	Fl.W. period 1.5s fl. 0.5s, ec. 1s	21	6	4 White round structure, green stripe, white post; 16.	Visible on range line only.
13172 C 5522.1	--Rear, 154 meters 024°54' from front.	60° 38.6' N 28° 34.5' E	Fl.W. period 3.5s fl. 1.5s, ec. 2s	46	14	4 White round structure, green stripe, white post; 16.	Visible on range line only.
13176 C 5528	-Ityapalu, E. end of channel, N. side.	60° 38.5' N 28° 35.1' E	Fl.R. period 2s fl. 0.5s, ec. 1.5s	19	6	2 Red round beacon, white band, base; 10.	
13180 C 5539.4	-Dubovyy.	60° 40.2' N 28° 38.8' E	Fl.G. period 2s fl. 0.5s, ec. 1.5s	19	6	2 Green column; 10.	Occasional.
13184 C 5539	-Likhaniyemi.	60° 40.1' N 28° 39.8' E	Fl.W. period 2.5s fl. 0.5s, ec. 2s	25	8	3 White rectangular daymark, red stripe, red post; 23.	Visible 214°24'-034°24'.
13188 C 5534	-Maly Shchit Range, front.	60° 41.5' N 28° 40.9' E	Fl.W. period 1.5s	46	14	7 Red four-sided framework beacon, red rectangle daymark, black stripe; 33.	Visible on range line only.
13192 C 5534.1	--Rear, about 3 km. 043°06' from front.	60° 42.9' N 28° 43.7' E	F.W.	151	46	7 Hexagonal tower, cupola, lantern; 243.	Visible on range line only.
13196 C 5536	-Ostrov Ukazatelnyy Range, front.	60° 41.0' N 28° 41.4' E	Fl.W.R.G. period 1.5s fl. 0.5s, ec. 1s	20	6	3 White round structure, red stripe, white square base; 16.	W. 050°-063°, R.-090°, G.-210°, W.-215°, R.-221°.
13200 C 5536.1	--Rear, on Ostrov Kuposensari, 1020 meters 061°18' from front.	60° 41.3' N 28° 42.5' E	Iso.W. period 2s	26	8	3 White rectangular daymark, red stripe; 23.	Visible on range line only.
13208 C 5542	-Pikarluoto Range, common front.	60° 41.5' N 28° 41.6' E	Q.R.	20	6	2 White round beacon, red stripe; 10.	
13212 C 5541.9	--Mariankivi, rear, 1,111 meters 035° 30' from front.	60° 41.9' N 28° 42.4' E	Oc.W.R. period 3s lt. 2s, ec. 1s	46	14	4 Red four-sided framework tower, red round structure, white stripe; 36.	W. 150°-340°, R.-150°.
13216 C 5542.1	--Ostrov Zashcitnyy, rear, 600 meters 238°54' from front.	60° 41.3' N 28° 41.1' E	Oc.R. period 3s lt. 2s, ec. 1s	36	11	2 White round structure, red stripe, white post; 20.	Visible on range line only.
13222 C 5543.9	--Sokolinsky, rear, 1740 meters 151°06' from front.	60° 41.1' N 28° 43.6' E	Iso.Y. period 2s	62	19	5 White round tower, white trapezoidal daymark; 56.	Visible on range line only. Shown Apr. 1 to Dec. 31.
13228 C 5546	-Ostrov Kuposenkivi Range, front.	60° 41.6' N 28° 42.4' E	Fl.W.R. period 1.5s fl. 0.5s, ec. 1s	20	6	4 White round beacon, red stripe; 10.	R. 011°-188°, W.-246°.
13232 C 5546.1	--Rear, 2.1 kilometers 051° from front.	60° 42.4' N 28° 44.3' E	Q.R.	102	31	5 White tower, red stripe; 59.	Visible on range line only.
13248 C 5552.4	-Ostrov Kuposensari Range, front.	60° 41.2' N 28° 42.6' E	Iso.R. period 2s	23	7	2 White beacon, white rectangular daymark, black stripe; 16.	Visible on range line only.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
RUSSIA-GULF OF FINLAND							
13252 <i>C 5552.41</i>	--Rear, 66 meters 204°48' from front.	60° 41.2' N 28° 42.5' E	Iso.R. period 2s	39 12	2	White beacon, white rectangular daymark, black stripe; 26.	Visible on range line only.
13254 <i>C 5553</i>	-Pier head Range, common front.	60° 42.7' N 28° 43.2' E	F.R.	23 7	1	Black beacon, white top; 7.	Visible on range line only.
13254.1 <i>C 5553.1</i>	--Rear, 620 meters 350°48' from front.	60° 43.0' N 28° 43.1' E	Oc.R. period 3s fl. 2s, ec. 1s	33 10	2	White four-sided structure, black stripe; 7.	Visible on range line only. Shown Apr. 30 to Dec. 15.
13254.2 <i>C 5552.9</i>	--Rear, 110 meters 057°48' from front.	60° 42.7' N 28° 43.3' E	F.R.	30 9	1	White round post, black top, platform; 20.	Visible on range line only. Shown Apr. 30 to Dec. 15.
13256 <i>C 5492</i>	Mys Krestovyy (Ristniemi).	60° 29.6' N 28° 15.8' E	Fl.W.R.G. period 3.5s fl. 0.5s, ec. 3s	46 14	W. 7 R. 3 G. 2	White round tower, black band, base; 49.	G. 074°-079°, W.-087°, R.-148°, G.-216°, W.-222°, R.-229°.
13258 <i>C 5505</i>	Vyborgskiy.	60° 31.6' N 28° 22.5' E	Fl.(2)W. period 8s fl. 1s, ec. 2s fl. 1s, ec. 4s	46 14	10	White octagonal tower, red bands, base; 33.	Whistle.
13260 <i>C 5490</i>	Landyshevyy Oritsari Range, front.	60° 30.4' N 28° 10.0' E	Q.W.R.G.	26 8	W. 5 R. 3 G. 2	White octagonal tower; 20.	G. 251°-278°, W.-310°, R.-345°, G.-018°, W.-045°, R.-082°.
13261 <i>C 5490.1</i>	--Rear, 540 meters 036°30' from front.	60° 30.6' N 28° 10.4' E	Iso.W. period 4s	66 20	8	Red metal framework tower, white rectangular daymark, black stripe; 56.	
13262 <i>C 5491</i>	-Range, front.	60° 32.6' N 28° 09.4' E	Q.W.	46 14	5	Red metal framework tower, white rectangular daymark, black stripe; 36.	Shown from Apr. 25 to Dec. 15.
13263 <i>C 5491.1</i>	--Rear, 730 meters 329°42' from front.	60° 33.0' N 28° 09.0' E	L.Fl.W. period 6s fl. 2s, ec. 4s	85 26	5	Red metal framework tower, white rectangular daymark, black stripe; 53.	Shown Apr. 25 to Dec. 15.
13264 <i>C 5488</i>	Ostrov Malyy Fiskar, SW. point.	60° 28.7' N 28° 05.9' E	Fl.W.R.G. period 5s fl. 1s, ec. 4s	57 17	W. 6 R. 3 G. 2	Red and white four-sided framework tower; 46.	G. 240°-255°, W.-257°, R.-278°, G.-350°, W.-068°, R.-093°.
13268 <i>C 5496</i>	Skala Khalli.	60° 24.2' N 28° 08.2' E	Fl.W. period 4s fl. 1.5s, ec. 2.5s	52 16	9	Red four-sided framework tower, base, platform, white rectangular daymark; 39.	
13272 <i>C 3946</i>	Ostrov Nerva.	60° 14.8' N 27° 57.3' E	Fl.W. period 8s fl. 1s, ec. 7s	144 44	18	Red and white four-sided framework structure, black top; 121.	Reserve light range 14M.
13276 <i>C 3944</i>	Ostrov Mayak.	60° 12.4' N 27° 38.5' E	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	174 53	14	Red four-sided framework truncated pyramid, white band; 121.	Reserve light Iso.W. 6M.
OSTROV MOSHCHNYY (LAVENSAARI):							
13280 <i>C 3952</i>	-Bashnya.	60° 02.2' N 27° 49.6' E	Fl.(3)W. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	98 30	15	Red octagonal metal framework tower; 95.	Reserve light Fl.W. 2s 7M.
	-RACON		Z(- - • •)		18		(3 & 10cm).
13284 <i>C 3964</i>	Ostrov Malyy.	60° 01.6' N 28° 00.5' E	L.Fl.W. period 6s fl. 2s, ec. 4s	122 37	7	Red four-sided framework tower, white trapezoidal daymark, white rectangular daymarks, red stripe; 89.	
OSTROV LESNOY (SEYSKARI):							
13288 <i>C 3968</i>	NW. point.	60° 02.1' N 28° 21.7' E	Fl.(2)W. period 30s fl. 1s, ec. 6.5s fl. 1s, ec. 21.5s	97 30	15	Red round tower, white band; 98.	Visible 015°-330°. Reserve light Fl.W. 4s 8M.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
RUSSIA-GULF OF FINLAND							
13292 <i>C 3972</i>	-Pen Kheta-Stor, SE. point of island.	60° 00.4' N 28° 24.0' E	Fl.(2)W. period 4s fl. 0.5s, ec. 1s fl. 0.5s, ec. 2s	85 26	7	Red four-sided framework tower, white rectangular daymark, black stripe; 79.	Visible 170°-100°.
13296 <i>C 5482</i>	Arkipelag Bol shoy Fiskar, E. island of reefs.	60° 24.5' N 27° 56.5' E	Fl.(2)W. period 8s fl. 1s, ec. 2s fl. 1s, ec. 4s	72 22	8	White four-sided tower; 33.	
13300 <i>C 5476</i>	Khemminginletto.	60° 26.8' N 27° 50.4' E	Fl.W.R.G. period 3.5s fl. 0.5s, ec. 3s	23 7	W. 5 R. 3 G. 2	Framework tower, white lantern; 20.	G. 233°-267°, W.-287°, R.-014°, G.-074°30', W.-078°, R.-098°. Shown Apr. 25 to Dec. 15.
13301 <i>C 5485</i>	-Ryabinnik Range, front.	60° 28.6' N 27° 58.4' E	Iso.W. period 2s	49 15	12	Red metal framework tower, white rectangular daymark, black stripe; 53.	Visible on range line only.
13302 <i>C 5485.1</i>	--Rear, 1.9 miles 261°18' from front.	60° 28.3' N 27° 54.7' E	Iso.W. period 4s	154 47	12	Red metal framework tower, white rectangular daymark, black stripe; 121.	Visible on range line only.
13304 <i>C 5474</i>	Ostrov Kozlinyy (Pukkiö).	60° 26.5' N 27° 47.5' E	Fl.W.R.G. period 5s	27 8	W. 7 R. 3 G. 1	Framework tower, white lantern, black stripe; 20.	G. 244°-266°, W.-274°, R.-308°, G.-340°, W.-001°, R.-021°, G.-050°, W.-072°, R.-080°, G.-094°, W.-100°, R.-105°. Shown Apr. 25 to Dec. 15.
13308 <i>C 5472</i>	Ostrov Kopytin (Kinnarit) Range, front.	60° 25.8' N 27° 42.5' E	Q.W.	72 22	11	Red metal framework tower, white rectangular daymark, black stripe; 52.	Visible on range line only.
13312 <i>C 5472.1</i>	-Rear, 550 meters 263°36' from front.	60° 25.8' N 27° 42.0' E	L.FI.W. period 6s fl. 2s, ec. 4s	134 41	12	Red metal framework tower, white rectangular daymark, black stripe; 102.	Visible on range line only.

Section 9

South Coast of Finland and Aland Islands

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF FINLAND							
13316 <i>C 5470</i>	Huovari (Huovarinsaari).	60° 23.7' N 27° 42.3' E	Fl.W.R.G. period 3s fl. 0.3s, ec. 2.7s	25 8	4	Column.	R. 029°-040°, W.-071°, G.-094°, W.-155°, R.-167°. Fishing light. Shown on request.
13320 <i>C 5468</i>	Parrio.	60° 27.4' N 27° 42.4' E	Fl.(2)W.R.G. period 6s fl. 0.3s, ec. 1.4s fl. 0.3s, ec. 4s	28 9	8	White round tower.	G. 316°-329°, W.-340°, R.-067°, G.-094°, W.-098°, R.-156°.
13324 <i>C 5466.1</i>	Jarviluoto Range, front.	60° 28.3' N 27° 38.3' E	Q.W.	26 8	5	Red rectangular daymark, yellow stripe.	Visible 307°-315°.
13324.1 <i>C 5466.11</i>	-Rear, 600 meters 311° from front.	60° 28.5' N 27° 37.8' E	L.Fl.W. period 6s fl. 2s, ec. 4s	62 19	6	Red rectangular daymark, yellow stripe.	Visible 307°-315°.
13332 <i>C 5465.9</i>	Siikasaari.	60° 28.1' N 27° 37.0' E	L.Fl.W. period 6s	36 11	6	White rectangular daymark.	Visible 031°30'-035°30'.
13340 <i>C 5465</i>	Pulteri Range, front.	60° 27.3' N 27° 34.7' E	Q.W.	12 4	6	Red rectangular daymark, yellow stripe.	Visible 260°-268°.
13344 <i>C 5465.1</i>	-Rear, 0.5 miles 264° from front.	60° 27.3' N 27° 33.8' E	L.Fl.W. period 6s fl. 2s, ec. 4s	29 9	6	Red rectangular daymark, yellow stripe.	Visible 260°-268°.
13348 <i>C 5464</i>	Mustamaa.	60° 25.7' N 27° 32.5' E	Q.W.R.G.	22 7	5	White round tower.	G. 282°-297°, W.-304°, R.-041°, G.-115°, W.-121°30', R.-144°.
13352 <i>C 5456</i>	Lotouri.	60° 26.4' N 27° 26.9' E	Q.(2)W.R.G. period 6s	18 5	7	White lantern, concrete base.	G. 067°-084°, W.-088°, R.-140°, G.-184°, W.-258°, G.-274°.
13388 <i>C 5441.3</i>	Vaskonkari.	60° 27.5' N 27° 18.9' E	U.Q.(5)G. period 6s	13 4	2	Gray round tower.	
13389 <i>C 5438.6</i>	Kuorsalo Range, front.	60° 27.2' N 27° 22.4' E	Q.W.	56 17	9	Red rectangular daymark, yellow stripe.	Visible 018°-026°.
13390 <i>C 5438.61</i>	-Rear, 022° from front.	60° 27.6' N 27° 22.8' E	Iso.W. period 6s	102 31	10	Red rectangular daymark, yellow stripe.	Visible 018°-026°.
13392 <i>C 5440</i>	Vasikkaluoto Range, front.	60° 26.0' N 27° 20.5' E	Q.W.	22 7	8	Yellow rectangular daymark, red stripe.	Visible 260°-264°.
13393 <i>C 5440.1</i>	-Pitkakotka, rear, 1.2 miles 262° from front.	60° 25.8' N 27° 18.4' E	L.Fl.W. period 6s fl. 2s, ec. 4s	45 14	9	Yellow rectangular daymark, red stripe.	Visible 260°-264°.
13394 <i>C 5438.8</i>	Houtere Range, front.	60° 26.7' N 27° 20.6' E	Q.Y.	49 15	5	Red rectangular daymark, yellow stripe.	Visible 118°30'-126°30'. Radar reflector.
13396 <i>C 5438.81</i>	-Rear, 122°30' from front.	60° 26.6' N 27° 21.2' E	L.Fl.Y. period 6s fl. 2s, ec. 4s	79 24	7	Red rectangular daymark, yellow stripe.	Visible 118°30'-126°30'. Radar reflector.
13398.2 <i>C 5438.7</i>	Vastari Range, front.	60° 24.9' N 27° 23.6' E	Q.W.	77 23	5	Red rectangular daymark, yellow stripe.	Visible 135°-143°.
13398.4 <i>C 5438.71</i>	-Rear, 139° from front.	60° 24.6' N 27° 24.1' E	L.Fl.W. period 6s fl. 2s, ec. 4s	79 24	6	Red rectangular daymark, yellow stripe.	Visible 135°-143°.
13399.4 <i>C 5438.4</i>	Vatiniki Range, front.	60° 24.4' N 27° 18.2' E	Q.Y.	20 6	6	Red rectangular daymark, yellow stripe.	Visible 050°-054°.
13399.8 <i>C 5438.41</i>	-Rear, 052° from front.	60° 24.8' N 27° 19.4' E	L.Fl.Y. period 6s fl. 2s, ec. 4s	85 26	7	Red rectangular daymark, yellow stripe.	Visible 050°-054°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF FINLAND							
13400 <i>C 5438</i>	Velperkari, N. side.	60° 22.4' N 27° 16.5' E	V.Q.(5)W. period 5s	26 8	6	White lantern, concrete base.	
13401 <i>C 5438.5</i>	Tammio Range, front.	60° 24.3' N 27° 23.8' E	Q.W.	16 5	8	Red rectangular daymark, yellow stripe.	Visible 069°-073°.
13401.5 <i>C 5438.51</i>	-Rear, 071° from front.	60° 24.4' N 27° 24.3' E	L.FI.W. period 6s fl. 2s, ec. 4s	66 20	9	Red rectangular daymark, yellow stripe.	Visible 069°-073°.
13402 <i>C 5438.58</i>	Sunholma.	60° 22.1' N 27° 18.3' E	Q.(5)W. period 6s	49 15	7	White lantern, red band.	Visible 200°-204°.
13404 <i>C 5412</i>	Veitkari.	60° 16.0' N 27° 14.4' E	Q.(2)W.R.G. period 6s	33 10	7	White lantern, concrete base.	G. 132°-146°, W.-177°, R.-232°, G.-283°, W.-023°, R.-026°, G.-029°, W.-071°, R.-087°. Pilot station. Radar reflector.
	RACON		T(-)		10		(3cm).
13408 <i>C 5413</i>	Luppi.	60° 14.3' N 27° 01.7' E	Fl.W.R.G. period 3s fl. 0.5s, ec. 2.5s	26 8	6	Gray round tower.	G. 257°-274°, W.-048°30', R.-074°. Fishing light. Shown on request.
13409 <i>C 5411</i>	Haapasaari, E. side.	60° 17.4' N 27° 12.1' E	U.Q.(10)Y. period 6s	13 4	3	Gray round tower.	Visible 133°-310°.
13412 <i>C 5410</i>	Kivikari, on rock.	60° 17.5' N 27° 12.3' E	Q.W.R.G.	26 8	7	White rectangular daymark.	G. 301°-317°, W.-320°30', R.-008°, G.-135°, W.-142°30', R.-162°.
13413 <i>C 5414</i>	Kuutal-Petajaimen Range, front.	60° 18.3' N 27° 08.6' E	Q.W.	39 12	8	Red rectangular daymark, yellow stripe.	Visible 180°30'-184°30'.
13413.5 <i>C 5414.1</i>	-Vanhankylanmaa Rear, 182°30' from front.	60° 17.4' N 27° 08.5' E	L.FI.W. period 6s fl. 2s, ec. 4s	92 28	9	Red rectangular daymark, yellow stripe.	Visible 180°30'-184°30'.
13414 <i>C 5414.3</i>	Keskihällinkari.	60° 19.9' N 27° 11.1' E	L.FI.W. period 6s fl. 2s, ec. 4s	66 20	9	White metal tower, red band.	Visible 101°-105°. Radar reflector.
13416 <i>C 5415</i>	Suur Musta.	60° 27.4' N 27° 09.4' E	Fl.W.R.G. period 3s fl. 0.5s, ec. 2.5s	23 7	7	White rectangular daymark, black stripe.	G. 036°-079°30', W.-083°, R.-170°.
13420 <i>C 5396</i>	Vehkaluoto Range, front.	60° 27.0' N 27° 06.3' E	Q.W.	24 7	5	Red rectangular daymark, yellow stripe.	Visible 112°30'-120°30'.
13424 <i>C 5396.1</i>	-Rear, 365 meters 116°30' from front.	60° 26.9' N 27° 06.5' E	L.FI.W. period 6s fl. 2s, ec. 4s	46 14	6	Red rectangular daymark, yellow stripe.	Visible 114°30'-118°30'.
13425 <i>C 5416.4</i>	-Lopaskeri Range, front.	60° 26.2' N 27° 09.7' E	Q.W.	33 10	5	Red rectangular daymark, yellow stripe.	Visible 157°-165°.
13425.5 <i>C 5416.41</i>	--Rear, 0.6 mile 161° from front.	60° 25.8' N 27° 10.0' E	L.FI.W. period 6s fl. 2s, ec. 4s	52 16	6	Red rectangular daymark, yellow stripe.	Visible 158°30'-162°30'.
13425.7 <i>C 5414.4</i>	Lopaskeriluoto Range, front.	60° 26.1' N 27° 09.3' E	Q.W.	29 9	8	Yellow rectangular daymark, red stripe.	Visible 000°30'-004°30'.
13425.71 <i>C 5414.41</i>	-Suur Musta, rear, 1.4 miles 002°30' from front.	60° 27.4' N 27° 09.4' E	L.FI.W. period 6s fl. 2s, ec. 4s	69 21	9	Yellow rectangular daymark, red stripe.	Visible 000°30'-004°30'.
13426 <i>C 5415.4</i>	Einan Karinmatala.	60° 25.8' N 27° 08.1' E	U.Q.(5)W. period 6s	33 10	2	White round concrete tower, red band.	Radar reflector.
13427 <i>C 5418.4</i>	Vehkaluoto Range, front.	60° 26.9' N 27° 06.5' E	Q.W.	26 8	5	Red rectangular daymark, yellow stripe.	Visible 194°30'-202°30'.
13427.5 <i>C 5418.41</i>	-Martinkari rear, 0.7 miles 198°30' from front.	60° 26.3' N 27° 06.1' E	L.FI.W. period 6s fl. 2s, ec. 4s	52 16	6	Red rectangular daymark, yellow stripe.	Visible 194°30'-202°30'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF FINLAND							
HAMINA APPROACH:							
13428 <i>C 5420.4</i>	-Kaurakari.	60° 30.8' N 27° 10.3' E	V.Q.(5)W. period 6s	14 4	4	White round daymark.	
13432 <i>C 5418</i>	-Sovinnonmatala.	60° 28.6' N 27° 08.4' E	U.Q.(5)W. period 6s	46 14	3	White column, red stripe.	Radar reflector.
13433 <i>C 5416</i>	-Varvio Range, front.	60° 28.7' N 27° 09.3' E	Q.W.	46 14	5	Red rectangular daymark, yellow stripe.	Visible 010°-014°.
13433.5 <i>C 5416.1</i>	--Rear, 330 meters, 012° from front.	60° 28.9' N 27° 09.4' E	L.FI.W. period 6s fl. 2s, ec. 4s	69 21	6	Red rectangular daymark, yellow stripe.	Visible 010°-014°.
13434 <i>C 5417</i>	-Pakaskeri Range, front.	60° 28.7' N 27° 06.5' E	Q.Y.	26 8	5	Red rectangular daymark, yellow stripe.	Visible 337°30'-345°30'.
13434.5 <i>C 5417.1</i>	--Kuutinki, rear, 1.5 miles, 341°30' from front.	60° 30.1' N 27° 05.5' E	L.FI.Y. period 6s fl. 2s, ec. 4s	88 27	8	Red rectangular daymark, yellow stripe.	Visible 339°30'-343°30'.
13436 <i>C 5419.2</i>	-Saunamaa Range, front, on NE. point.	60° 31.1' N 27° 06.5' E	Q.W.	30 9	5	Red rectangular daymark, yellow stripe.	Visible 283°-287°.
13437 <i>C 5419.21</i>	--Kuusimaa, rear, 284° from front.	60° 31.1' N 27° 06.2' E	L.FI.W. period 6s fl. 2s, ec. 4s	59 18	6	Red rectangular daymark, yellow stripe.	Visible 283°-287°.
13438 <i>C 5417.4</i>	-Matomaa Range, front.	60° 30.7' N 27° 06.6' E	Q.W.	23 7	7	Red rectangular daymark, yellow stripe.	Visible 339°-343°.
13438.5 <i>C 5417.41</i>	--Saunamaa, rear, 600 meters 341° from front.	60° 31.0' N 27° 06.4' E	L.FI.W. period 6s fl. 2s, ec. 4s	56 17	7	Red rectangular daymark, yellow stripe.	Visible 339°-343°.
13444 <i>C 5419.3</i>	-Helingsaari Range, front.	60° 32.2' N 27° 06.1' E	Q.R.	13 4	6	White rectangular daymark, red stripe.	Visible 334°-338°.
13448 <i>C 5419.31</i>	--Rear, 336° from front.	60° 32.3' N 27° 06.0' E	Q.R.	26 8	6	White rectangular daymark, red stripe.	Visible 334°-338°. Synchronized with front.
HAMINA HAAPASAARI:							
13460 <i>C 5419</i>	- Hillonniemi Range, front.	60° 31.1' N 27° 09.4' E	Iso.W. period 2s	69 21	15	Red rectangular daymark, yellow stripe.	Visible 014°-023°.
13464 <i>C 5419.1</i>	--Rear, 420 meters 018°30' from front.	60° 31.4' N 27° 09.6' E	Iso.W. period 4s	95 29	16	Red rectangular daymark, yellow stripe.	Visible 014°-023°. Synchronized with front.
13465 <i>C 5438.9</i>	-Ravaholma Range, front.	60° 30.3' N 27° 11.0' E	Q.W.	79 24	7	Red rectangular daymark, yellow stripe.	Visible 306°30'-310°30'.
13465.5 <i>C 5438.91</i>	--Rear, 540 meters, 308°30' from front.	60° 30.4' N 27° 10.5' E	L.FI.W. period 6s fl. 2s, ec. 4s	105 32	9	Red rectangular daymark, yellow stripe.	Visible 306°30'-310°30'.
13466 <i>C 5422</i>	-Norskari.	60° 31.8' N 27° 11.4' E	U.Q.(10)W. period 6s	18 5	3	White mast, red band.	Radar reflector.
13468 <i>C 5420</i>	-Kakarkari Range, front.	60° 31.8' N 27° 12.0' E	Q.W.	20 6	5	Yellow rectangular daymark, red stripe.	Visible 041°30'-049°30'.
13472 <i>C 5420.1</i>	--Rear, Nurmilahti, 475 meters 045°30' from front.	60° 32.0' N 27° 12.4' E	L.FI.W. period 6s fl. 2s, ec. 4s	33 10	6	Yellow rectangular daymark, red stripe.	Visible 041°30'-049°30'.
13476 <i>C 5420.8</i>	-Palokangas Range, front.	60° 31.7' N 27° 10.0' E	F.G.	39 12	2	White rectangular daymark, red triangular daymark point up.	Visible 334°-354°.
13480 <i>C 5420.81</i>	--Rear, 344° from front.	60° 31.8' N 27° 09.9' E	F.G.	59 18	2	White rectangular daymark, red triangular daymark point down.	Visible 334°-354°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF FINLAND							
HAMINA:							
13492 C 5428	-Suviluoto.	60° 32.3' N 27° 11.6' E	Fl.W.R.G. period 3s fl. 0.3s, ec. 2.7s	10 3	5	Yellow rectangular daymark, red stripe.	G. 342°-005°30', W.-009°30', R.-027°, G.-049°30', W.-056°, R.-065°, G.-078°, W.-084°, R.-105°.
13496 C 5421	-Vilniemi.	60° 31.5' N 27° 11.8' E	Q.W.R.G.	13 4	5	White round tower.	G. 088°-150°, W.-155°, R.-170°.
13500 C 5425	-Syvasatama Laituri Range, front.	60° 32.3' N 27° 10.2' E	FR.	43 13	2	White rectangular daymark, red triangular daymark point up.	Visible 264°-300°.
13504 C 5425.1	--Rear, 76 meters 286° from front.	60° 32.3' N 27° 10.1' E	FR.	59 18	2	White rectangular daymark, red triangular daymark point down.	Visible 264°-300°.
13514 C 5435	-Nuutiniemi Range, front.	60° 33.2' N 27° 10.4' E	FR.	20 6	1	Red rectangular daymark, white triangular daymark point up.	Visible 236°-256°.
13514.1 C 5435.1	--Rear, about 90 meters 246° from front.	60° 33.1' N 27° 10.3' E	FR.	33 10	1	Yellow round beacon, black top.	Visible 236°-256°.
13516 C 5430	-Tervasaari Range, front.	60° 33.7' N 27° 10.9' E	FG.	36 11	4	Yellow round beacon, black top.	Visible 355°-015°.
13520 C 5430.1	--Rear, 90 meters 007° from front.	60° 33.8' N 27° 10.9' E	FG.	46 14	4	Yellow round beacon, black top.	Visible 355°-015°.
13524 C 5432	-Railway embankment Range, front.	60° 33.7' N 27° 11.0' E	FR.	26 8	2	Yellow round beacon, black top.	Visible 006°-026°.
13528 C 5432.1	--Rear, 256 meters 016° from front.	60° 33.8' N 27° 11.0' E	FR.	52 16	2	Yellow round beacon, black top.	Visible 006°-026°.
13532 C 5434	-Lepikonlinja Range, front.	60° 33.7' N 27° 11.7' E	FG.	30 9	2	Red round daymark, white triangular daymark point up.	Visible 008°-040°.
13536 C 5434.1	--Rear, 73 meters 023° from front.	60° 33.9' N 27° 11.8' E	FG.	36 11	2	Red round daymark, white triangular daymark point down.	Visible 008°-040°.
13538 C 5403	-Varissaari Range, front.	60° 26.8' N 26° 57.3' E	Q.W.	26 8	8	Red rectangular daymark, yellow stripe.	Visible 226°-234°.
13538.5 C 5403.1	--Rear, 260 meters 230° from front.	60° 26.7' N 26° 57.1' E	Iso.W. period 4s	39 12	8	Red rectangular daymark, yellow stripe.	Visible 226°-234°.
13542 C 5408	-Merikari.	60° 21.1' N 27° 05.4' E	V.Q.(5)R. period 6s	39 12	2	Red post.	Radar reflector.
RUSSIA							
13544 C 3932	Ostrov Rodsher.	59° 58.1' N 26° 40.8' E	Fl.(2)W. period 15s fl. 1s, ec. 3s fl. 1s, ec. 10s	65 20	15	Red octagonal tower; 62.	Reserve light range 6M.
	RACON		W(• - -)		10		(3cm).
13548 C 3934	Severnyy Virgin.	59° 56.6' N 26° 51.7' E	Fl.W. period 4s fl. 0.5s, ec. 3.5s	41 12	6	Red four-sided pyramid, cross daymark, two round daymarks; 46.	
OSTROV GOGLAND (SUURKELI):							
13552 C 5378	-Mys Lounatrivi (Paunat Revi).	60° 00.7' N 27° 00.4' E	Fl.W. period 6s fl. 1.5s, ec. 4.5s	89 27	10	Red round tower; 85.	Visible 222°-113°. Reserve light range 8M.
13556 C 5374	-N. head.	60° 05.6' N 26° 57.1' E	L.Fl.W. period 7.5s fl. 3s, ec. 4.5s	435 133	26	Red round tower, gallery, white bands; 75.	Visible 348°-324°. Reserve light range 10M.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF FINLAND							
KOTKA APPROACH:							
13560 <i>C 5380</i>	-Kotkan Majakka.	60° 10.3' N 26° 39.1' E	Fl.(4)W. period 30s fl. 1.5s, ec. 3.5s fl. 1.5s, ec. 3.5s fl. 1.5s, ec. 3.5s fl. 1.5s, ec. 13.5s	74 23	12	Yellow metal column, blue band. Helicopter platform.	
	-RACON		K(- • -)		11		(3 & 10cm).
13561 <i>C 5380.5</i>	-Elo 2.	60° 14.2' N 26° 47.7' E	V.Q.W.	39 12	4	N. CARDINAL BY, beacon, topmark.	Radar reflector.
13562 <i>C 5380.6</i>	-Kaakoniemmi.	60° 16.6' N 26° 52.1' E	V.Q.(3)W. period 5s	39 12	4	E. CARDINAL BYB, beacon, topmark.	Radar reflector.
13563 <i>C 5381</i>	-Kiviletto.	60° 17.6' N 26° 56.9' E	L.Fl.W. period 6s fl. 2s, ec. 4s	62 19	9	White metal mast, orange band.	Visible 053°-057°. Radar reflector.
13564 <i>C 5386</i>	-Rankki.	60° 21.9' N 26° 58.1' E	Fl.(3)W.R.G. period 10s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 5.6s	36 11	6	Black round concrete tower.	G. 225°30'-290°, W.-295°, R.- 048°, G.-096°, W.-101°, R.-127°.
13566 <i>C 5385</i>	-Rankin Kivikari, reef, N. end.	60° 21.2' N 26° 57.2' E	U.Q.(5)W. period 6s	33 10	3	White metal post, red band.	Radar reflector.
	-RACON		T(-)		9		(3 & 10cm).
13568 <i>C 5387</i>	-Retonpaasi.	60° 21.9' N 27° 00.9' E	U.Q.(5)W. period 6s	33 10	2	Gray post.	Radar reflector.
13569 <i>C 5382</i>	-Harvassaari Range, front.	60° 24.7' N 26° 51.7' E	Fl.W. period 3s fl. 1s, ec. 2s	46 14	12	Red rectangular daymark, yellow stripe.	Visible 352°30'-357°30'. Range 7M by day.
13569.1 <i>C 5382.1</i>	--Rear, 1.3 miles 355° from front.	60° 26.0' N 26° 51.4' E	Iso.W. period 12s	141 43	14	Red rectangular daymark, yellow stripe.	Visible 352°30'-357°30'. Range 9M by day.
13570 <i>C 5382.5</i>	-Mussalo.	60° 25.2' N 26° 54.2' E	Iso.W.R.G. period 2s	30 9	11	Gray triangular daymark point up.	G. 010°-013°, W.-022°, R.- 025°. Range 3M by day.
13571 <i>C 5383</i>	-Kukouri Range, front.	60° 25.8' N 26° 57.0' E	Q.W.	16 5	7	Red rectangular daymark, yellow stripe.	Visible 047°24'-051°24'.
13571.1 <i>C 5394.4</i>	--Rear, 1850 meters 049°24' from front.	60° 26.5' N 26° 58.5' E	L.Fl.W. period 6s fl. 2s, ec. 4s	58 18	9	Red rectangular daymark, yellow stripe.	Visible 047°24'-051°24'. Synchronized with front.
13571.3 <i>C 5383.3</i>	-Viikarinsalmi.	60° 24.8' N 26° 54.7' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	41 12	4	Green round tower.	Radar reflector.
13580 <i>C 5390</i>	-Hietakari.	60° 23.8' N 27° 00.2' E	Fl.W.R.G. period 3s fl. 0.3s, ec. 2.7s	16 5	6	White round tower.	G. 339°-355°, W.-014°, R.- 102°, G.-115°30', W.- 120°, R.-134°.
13584 <i>C 5388</i>	-Lellerinsaaret.	60° 24.0' N 26° 58.3' E	Fl.(2)W.R.G. period 5s fl. 0.4s, ec. 1s fl. 0.4s, ec. 3.2s	16 5	7	Red round tower, white stripe.	G. 144°-167°, W.-174°, R.- 244°, G.-330°30', W.- 336°, R.-354°.
13588 <i>C 5392</i>	-Santakari Range, front.	60° 26.1' N 26° 58.4' E	Q.Y.	13 4	7	Red rectangular daymark, yellow stripe.	Visible 054°-058°. Shown 24 hours.
13592 <i>C 5392.1</i>	--Rear, Laukkaaniemi, 2.2 km. 056° from front.	60° 26.8' N 27° 00.4' E	L.Fl.Y. period 6s fl. 2s, ec. 4s	75 23	10	Red rectangular daymark, yellow stripe.	Visible 052°-060°.
13596 <i>C 5394.4</i>	-Lehmansaari Range, front.	60° 26.5' N 26° 58.5' E	Q.W.	46 14	5	Red rectangular daymark, white stripe.	Visible 171°-179°.
13600 <i>C 5394.41</i>	--Rear, 175° from front.	60° 25.5' N 26° 58.7' E	L.Fl.W. period 6s	109 33	8	Red rectangular daymark, white stripe.	Visible 171°-179°.

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FINLAND-GULF OF FINLAND							
13604 <i>C 5394</i>	-Pirkoyri.	60° 27.6' N 26° 58.4' E	Fl.W.R.G. period 3s fl. 0.3s, ec. 2.7s	20 6	5	White rectangular daymark.	G. 000°-163°, W.-166°, R.- 178°. Radar reflector.
13608 <i>C 5394.2</i>	-Pirkoyri Range, front.	60° 27.6' N 26° 58.6' E	Q.Y.	46 14	7	Red rectangular daymark, yellow stripe.	Visible 014°-022°.
13612 <i>C 5394.21</i>	--Rear, 274 meters 018° from front.	60° 27.8' N 26° 58.7' E	L.F.I.Y. period 6s fl. 2s, ec. 4s	75 23	7	Red rectangular daymark, yellow stripe.	Visible 014°-022°. Synchronized with front.
KOTKA:							
13624 <i>C 5397</i>	-Sunila Range, front.	60° 29.6' N 26° 56.6' E	Q.Y.	16 5	9	Red rectangular daymark, yellow stripe.	Visible 328°-336°.
13628 <i>C 5397.1</i>	--Rear, 280 meters 332° from front.	60° 29.7' N 26° 56.4' E	L.F.I.Y. period 6s	39 12	9	Red rectangular daymark, yellow stripe.	Visible 328°-336°.
13632 <i>C 5396.9</i>	-Halla Range, front.	60° 28.6' N 26° 58.1' E	Q.W.	43 13	9	Red rectangular daymark, yellow stripe.	Visible 351°-359°.
13636 <i>C 5396.91</i>	--Rear, 355° from front.	60° 28.7' N 26° 58.1' E	L.F.I.W. period 6s	66 20	9	Red rectangular daymark, yellow stripe.	Visible 351°-359°.
13638 <i>C 5405.6</i>	-Halla Range, front.	60° 28.9' N 26° 58.5' E	F.Y.	26 8	5	Red rectangular daymark, yellow stripe.	Visible 291°30'-301°30'.
13638.1 <i>C 5405.61</i>	--Rear, about 120 meters 296°30' from front.	60° 28.9' N 26° 58.3' E	F.Y.	59 18	7	Red rectangular daymark, yellow stripe.	Visible 291°30'-301°30'.
13644 <i>C 5392.6</i>	-Patterinmaki Range, front.	60° 26.8' N 26° 56.2' E	Q.G.	52 16		Red rectangular daymark, yellow stripe.	Visible 356°-004°.
13648 <i>C 5392.61</i>	--Rear, 213 meters 000° from front.	60° 26.9' N 26° 56.2' E	Iso.G. period 4s	75 23		Red rectangular daymark, yellow stripe.	Visible 356°-004°.
13658 <i>C 5390.4</i>	-Tuohipollo Range, front.	60° 26.0' N 26° 55.6' E	Q.W.	23 7	8	Yellow rectangular daymark, red stripe.	Visible 318°-322°.
13658.1 <i>C 5390.41</i>	--Rear, 320° from front.	60° 26.2' N 26° 55.2' E	L.F.I.W. period 6s fl. 2s, ec. 4s	41 12	8	Yellow rectangular daymark, red stripe.	Visible 318°-322°.
13660 <i>C 5393.4</i>	-Powerhouse Range, front.	60° 26.2' N 26° 54.9' E	F.R.	26 8	4	White rectangular daymark, red triangular daymark point up.	Visible 164°-344°.
13660.1 <i>C 5393.41</i>	--Rear, 253°36' from front.	60° 26.2' N 26° 54.8' E	F.R.	32 10	4	White rectangular daymark, red triangular daymark point down.	Visible 164°-344°.
13672 <i>C 5393</i>	-Oljysatama Range, front.	60° 27.0' N 26° 55.9' E	Q.R.	50 15		Yellow rectangular daymark, red stripe.	Visible 339°-003°.
13676 <i>C 5393.1</i>	--Rear, 160 meters 351° from front.	60° 27.1' N 26° 55.9' E	Iso.R. period 4s	72 22		Yellow rectangular daymark, red stripe.	Visible 339°-003°.
13688 <i>C 5368</i>	Kaunissaari, N. extremity.	60° 22.3' N 26° 45.6' E	Fl.W.R.G. period 3s fl. 0.4s, ec. 2.6s	23 7	7	White rectangular daymark.	G. 062°-080°, W.-088°30', R.- 116°, G.-143°, W.-241°, R.-300°. Radar reflector.
13692 <i>C 5356</i>	Viikari Range, front.	60° 24.4' N 26° 55.4' E	Fl.W. period 2s fl. 0.3s, ec. 1.7s	23 7	8	Red rectangular daymark, yellow stripe.	Visible 067°-075°.
13696 <i>C 5356.1</i>	-Lehma, rear, 071°30' from front.	60° 25.1' N 26° 59.1' E	L.F.I.W. period 6s fl. 2s, ec. 4s	121 37	9	Red rectangular daymark, yellow stripe.	Visible 069°-073°.
13700 <i>C 5369</i>	-Verkkoniemi.	60° 20.6' N 26° 46.7' E	Fl.W.R. period 3s fl. 0.2s, ec. 2.8s	10 3	2	Gray round pillar.	R. 035°-087°, W.-035°. Fishing light. Shown on request.
13704 <i>C 5370</i>	-Keihassalmi Range, front.	60° 25.5' N 26° 39.8' E	Q.W.	16 5	5	Red rectangular daymark, yellow stripe.	Visible 314°48'-318°48'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF FINLAND							
13708 <i>C 5370.1</i>	--Rear, 315°48' from front.	60° 26.0' N 26° 38.8' E	L.F.I.W. period 6s fl. 2s, ec. 4s	33 10	9	Red rectangular daymark, yellow stripe.	Visible 312°-320°.
13720 <i>C 5366</i>	Kalliokari.	60° 19.1' N 26° 44.7' E	Fl.W. period 3s fl. 0.2s, ec. 2.8s	23 7	4	Gray round daymark.	Fishing light. Shown on request.
13780 <i>C 5349</i>	Lalatta, NE. islet.	60° 17.2' N 26° 33.1' E	Q.(2)W.R.G. period 6s	31 9	5	Black round concrete tower.	R.040°-052°, W.-062°30', G.-150°, W.-152°30', R.-188°, G.-213°, W.-222°, R.-232°. Radar reflector.
13816 <i>C 5324</i>	-Range, front.	60° 16.4' N 26° 27.0' E	Q.W.	43 13	13	Red rectangular daymark, yellow stripe.	Visible 019°30'-026°30'.
	-RACON		T(-)		10		(3 & 10cm).
13820 <i>C 5324.1</i>	--Rear, 463 meters 023° from front.	60° 16.6' N 26° 27.1' E	Q.W.	82 25	14	Red rectangular daymark, yellow stripe.	Visible 019°30'-026°30'. Synchronized with front.
13824 <i>C 5321</i>	Tainio, 6.0 kilometers 099°15' from Hamnskar.	60° 12.7' N 26° 24.5' E	V.Q.(5)W. period 6s	57 17	6	White round concrete tower, black top; 56.	Radar reflector.
	RACON		M(- -)		10		(3 & 10cm).
13828 <i>C 5328</i>	Skarven.	60° 17.8' N 26° 20.7' E	Fl.W.R.G. period 3s fl. 0.3s, ec. 2.7s	22 7	4	White beacon, black top.	G. 051°-064°, W.-068°30', R.-159°, G.-241°, W.-267°, R.-310°.
	RACON		T(-)		10		(3cm).
13932 <i>C 5320</i>	Hamnskar, E. side.	60° 13.2' N 26° 18.2' E	Fl.W.R. period 3s fl. 0.5s, ec. 2.5s	26 8	4	Red round tower.	W. 100°-210°, R.-288°, W.-050°, R.-100°. Fishing light. Shown on request.
13936 <i>C 5318</i>	Tiiskeri.	60° 09.8' N 26° 15.5' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	54 16	9	Black concrete tower, orange top.	Wind generator. Radar reflector.
	RACON		T(-) period 90s		11		(3 & 10cm).
13940 <i>C 5284</i>	Skarvgadderna.	60° 11.0' N 26° 07.6' E	Fl.W.R.G. period 2s fl. 0.5s, ec. 1.5s	20 6	6	White concrete tower, black top.	G. 054°-070°, W.-074°, R.-110°, G.-182°, W.-195°, R.-210°. Radar reflector.
	RACON		G(- - •)		9		(3 & 10cm).
13958	Gasskvatten Beacon, RACON.	60° 11.0' N 26° 03.0' E	T(-) period 30s		10		
14072 <i>C 5268</i>	Aggskar, S. point.	60° 12.0' N 25° 45.0' E	Fl.W.R.G. period 3s fl. 0.3s, ec. 2.7s	21 6	5	White lantern.	G. 223°-235°, W.-257°, R.-337°, G.-008°, W.-011°30', R.-130°.
14084 <i>C 5239</i>	Kalbadagrund.	59° 59.1' N 25° 36.0' E	L.Fl.(4)W. period 30s fl. 2s, ec. 3s fl. 2s, ec. 3s fl. 2s, ec. 3s fl. 2s, ec. 13s	88 27	12	Red concrete tower, white stripe; 82. Helicopter platform.	Visible 195°-180°.
	RACON		K(- • -)		13		(3 & 10cm).
14086	Jaktgrund Beacon, RACON.	59° 59.9' N 25° 33.3' E	T(-) period 90s		10		
14088 <i>C 5239.4</i>	Porvoon Range, front.	60° 05.6' N 25° 35.9' E	Fl.W.R.G. period 2s fl. 0.5s, ec. 1.5s	34 10	7	Red tower, black band; 33.	W. 004°-027°, R.-105°, G.-229°, W.-237°, R.-285°, G.-004°.
	RACON		T(-)		9		(3 & 10cm).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF FINLAND							
14092 C 5239.41	-Larsskar, rear, 5.5 km. 015°54' from front.	60° 08.7' N 25° 37.7' E	L.FI.W. period 8s fl. 2s, ec. 6s	118 36	9	Red rectangular daymark, yellow stripe.	Visible 014°-018°.
14096 C 5240.4	Kolhallen.	60° 06.0' N 25° 39.0' E	Q.(3)W.R.G. period 10s	36 11	3	Black tower, white band.	G. 028°-041°, W.-055°, R.-173°, G.-190°, W.-200°, R.-231°. Radar reflector.
14112 C 5240	Brunskar Range, front.	60° 07.6' N 25° 40.5' E	Q.Y.	30 9	6	Red rectangular daymark, yellow stripe.	Visible 040°06'-044°06'.
14116 C 5240.1	-Rear, 240 meters 042°06' from front.	60° 07.7' N 25° 40.8' E	L.FI.W.Y. period 6s fl. 2s, ec. 4s	79 24	W. Y. 6 7	Red rectangular daymark, yellow stripe.	W. 156°30'-164°30', Y. 040°-044°.
14144 C 5235	Pentarn.	60° 08.1' N 25° 16.5' E	FI.W.R.G. period 2s fl. 0.5s, ec. 1.5s	33 10	6	Red rectangular daymark.	G. 230°-247°, W.-251°, R.-262°.
14224 C 5227	Tallorn Range, front.	60° 10.7' N 25° 18.6' E	Q.(2)W.R.G. period 3s	23 7	7	Red rectangular daymark, yellow stripe.	W. 049°-154°, G.-226°, W.-230°, R.-243°.
14228 C 5227.1	-Rear, Graskar, N. point, 074°06' from front.	60° 11.6' N 25° 24.8' E	L.FI.W. period 6s fl. 2s, ec. 4s	56 17	9	Red rectangular daymark, yellow stripe.	Visible 072°-076°.
14316 C 5226.2	Trutsten.	60° 09.0' N 25° 16.3' E	V.Q.(2)Y. period 3s	33 10	3	White mast, red band.	Radar reflector.
14320 C 5224	Torra Hasten (Kuiva Hevonen) NW. extremity.	60° 09.7' N 25° 13.0' E	FI.W.R.G. period 5s fl. 1s, ec. 4s	26 8	7	White lantern.	G. 043°-059°, W.-061°30', R.-106°, G.-244°, W.-246°, R.-268°.
14324 C 5224.15	Tirhall.	60° 09.7' N 25° 12.4' E	V.Q.(6)+L.FI.W. period 10s	43 13	3	S. CARDINAL YB, beacon, topmark.	Radar reflector.
14328 C 5223	Torra Hasten Range, front.	60° 09.4' N 25° 13.5' E	Q.W.	20 6	5	Red rectangular daymark, yellow stripe.	Visible 076°42'-089°42'.
14332 C 5223.1	-Rear, 080°42' from front.	60° 09.4' N 25° 13.7' E	L.FI.W. period 6s fl. 2s, ec. 4s	39 12	5	Red rectangular daymark, yellow stripe.	Visible 076°42'-084°42'.
14336 C 5222	Svarta Hasten, (Musta Hevonen) Range, front.	60° 10.4' N 25° 14.1' E	Q.Y.	19 6	4	Red rectangular daymark, yellow stripe.	Visible 041°24'-049°24'.
14340 C 5222.1	-Rear, 365 meters 045°24' from front.	60° 10.5' N 25° 14.3' E	L.FI.Y. period 6s fl. 2s, ec. 4s	36 11	5	Red rectangular daymark, yellow stripe.	Visible 041°24'-049°24'.
14344 C 5220	Villinginuoto Range, front.	60° 09.5' N 25° 09.7' E	Q.W.	26 8	5	Red rectangular daymark, yellow stripe.	Visible 044°-052°.
14348 C 5220.1	-Rear, on Hattholmen about 915 meters 048° from front.	60° 09.8' N 25° 10.5' E	L.FI.W. period 6s fl. 2s, ec. 4s	59 18	6	Red rectangular daymark, yellow stripe.	Visible 044°-052°.
14360 C 5217	Svartkubben Range, front.	60° 08.3' N 25° 08.8' E	Q.Y.	22 7	5	Red rectangular daymark, yellow stripe.	Visible 065°06'-073°06'.
14364 C 5217.1	-Rear, on Maraskrin, 069°06' from front.	60° 08.5' N 25° 09.7' E	L.FI.Y. period 6s fl. 2s, ec. 4s	56 17	6	Red rectangular daymark, yellow stripe.	Visible 065°06'-073°06'.
14368 C 5216.4	Maraskrin Range, front	60° 08.8' N 25° 10.8' E	Q.Y.	26 8	4	Red rectangular daymark, yellow stripe.	Visible 221°24'-229°24'.
14372 C 5216.41	-Rear, 185 meters 225°24' from front.	60° 08.7' N 25° 10.7' E	L.FI.Y. period 6s fl. 2s, ec. 4s	46 14	5	Red rectangular daymark, yellow stripe.	Visible 221°24'-229°24'.
14380 C 5216	Trutholmen Range, front.	60° 08.9' N 25° 07.0' E	Q.W.	36 11	7	Red rectangular daymark, yellow stripe.	Visible 256°42'-264°42'.
14384 C 5216.1	-Rear, 275 meters 260°42' from front.	60° 08.8' N 25° 06.6' E	L.FI.W. period 6s fl. 2s, ec. 4s	62 19	7	Red rectangular daymark, yellow stripe.	Visible 256°42'-264°42'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF FINLAND							
14388 <i>C 5214</i>	Jungfruholmen (Neitsytsaari).	60° 09.1' N 25° 05.9' E	Fl.W.R.G. period 3s fl. 0.3s, ec. 2.7s	16 5	5	White lantern.	G. 081°-099°, W.-106°, R.-195°, G.-279°, W.-281°, R.-307°.
HELSINKI (HELSINGFORS) APPROACH:							
14396 <i>C 5212</i>	-Koholmen, (Lehmasaari) N. point.	60° 09.4' N 25° 03.6' E	Q.W.R.G.	8 2	5	White round tower.	G. 085°-098°30', W.-103°30', R.-232°, G.-285°30', W.-290°, R.-301°.
14400 <i>C 5210</i>	-Hastnas Channel, S. side.	60° 09.5' N 25° 02.9' E	V.Q.(5)W. period 6s	14 4	9	White round beacon.	Visible 038°-289°.
14404 <i>C 5208</i>	-Bjorkholmen (Koivusaari), S. point.	60° 09.3' N 25° 01.5' E	Q.W.R.G.	9 3	5	White round tower.	G. 236°-256°, W.-268°, R.-282°, G.-290°, W.-293°, R.-340°, G.-007°, W.-011°, R.-056°, G.-122°, W.-124°, R.-146°.
14406 <i>C 5203</i>	-Soberudden Range, front.	60° 08.1' N 25° 01.8' E	Q.Y.	30 9	4	Yellow rectangular daymark, red stripe.	Visible 135°-143°.
14406.1 <i>C 5203.1</i>	--Rear, 140°18' from front.	60° 08.1' N 25° 01.8' E	L.F.I.Y. period 6s fl. 2s, ec. 4s	46 14	5	Yellow rectangular daymark, red stripe.	Visible 135°-143°.
14407 <i>C 5203.4</i>	-Notholmen Range, front.	60° 08.5' N 25° 01.6' E	Q.Y.	16 5	4	Yellow rectangular daymark, red stripe.	Visible 351°12'-359°12'.
14407.1 <i>C 5203.41</i>	--Rear, 356° from front.	60° 08.5' N 25° 01.6' E	L.F.I.Y. period 6s fl. 2s, ec. 4s	33 10	5	Yellow rectangular daymark, red stripe.	Visible 351°12'-359°12'.
14408 <i>C 5154</i>	-Trutkobben Range, front.	60° 05.8' N 24° 52.6' E	Q.Y.	14 4	7	Metal framework tower, red rectangular daymark, yellow stripe.	Visible 073°-077°.
14412 <i>C 5154.1</i>	--Hamngrund, rear, 074°48' from front.	60° 06.2' N 24° 55.1' E	L.F.I.Y. period 6s fl. 2s, ec. 4s	79 24	5	Red rectangular daymark, yellow stripe.	Visible 071°-079°.
14416 <i>C 5154.4</i>	-Trutkubbsklackarna Rysakivi.	60° 06.1' N 24° 51.3' E	V.Q.(3)Y. period 3s	33 10	2	Black column, white bands.	
14418 <i>C 5155.4</i>	-Koirasaari Hudoren Range, front.	60° 05.1' N 24° 50.9' E	Q.W.	16 5	7	Red rectangular daymark, yellow stripe.	Visible 327°30'-331°30'.
14418.1 <i>C 5155.41</i>	--Rysakouri, rear, about 1300 meters 329°06' from front.	60° 06.0' N 24° 49.9' E	L.F.I.W. period 6s fl. 2s, ec. 4s	95 29	9	Red rectangular daymark, yellow stripe.	Visible 327°30'-331°30'.
14419 <i>C 5158</i>	-Outer Melkohallen Range, front.	60° 07.7' N 24° 54.0' E	Q.W.	18 5	5	Yellow rectangular daymark, red stripe.	Visible 040°-044°.
14420 <i>C 5158.1</i>	--Lantinen Pihlajasaari, rear 042° from front.	60° 08.2' N 24° 54.8' E	L.F.I.W. period 6s fl. 2s, ec. 4s	44 13	7	Yellow rectangular daymark, red stripe.	Visible 038°-046°.
14428 <i>C 5156</i>	-Koirakari (Hundskar),	60° 07.4' N 24° 54.6' E	Fl.W.R.G. period 3s fl. 1s, ec. 2s	20 6	7	White tower, black band.	G. 063°-166°, R.-198°, G.-225°, W.-228°, R.-243°.
14432 <i>C 5157</i>	-Hundskar Range, front.	60° 07.4' N 24° 54.6' E	Iso.W. period 5s	20 6	10	Red rectangular daymark, yellow stripe.	Visible 002°-022°. F.W. 4M, visible 007°30'-016°30' by day.
14436 <i>C 5157.1</i>	--Ronnskar, rear, 1400 meters 012°30' from front.	60° 08.2' N 24° 54.9' E	Oc.W. period 10s fl. 7.5s, ec. 2.5s	66 20	11	Red rectangular daymark, yellow stripe.	Visible 002°-022°. F.W. 4M by day visible 007°30'-016°30'.
14440 <i>C 5160</i>	-Tiirakari (Tirgrund).	60° 07.7' N 24° 55.6' E	V.Q.(2)W.R.G. period 3s	16 5	7	White tower.	G.040°-070°30', W.-073°30', R.-114°, G.-183°, W.-210°, R.-245°. In line 072°36' with 14544.
14444 <i>C 5175.5</i>	-Ronnskar East Range, front.	60° 08.3' N 24° 55.3' E	Q.Y.	20 6	2	Yellow rectangular daymark, black top.	Visible 248°-256°.

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FINLAND-GULF OF FINLAND							
14448 C 5175.51	--Rear, 280 meters 252° from front.	60° 08.2' N 24° 55.1' E	U.Q.(5)Y. period 6s	33 10	2	Yellow rectangular daymark, black top.	Visible 248°-256°.
14452 C 5162	-Rantan Range, front.	60° 07.2' N 24° 57.7' E	Q.W.	20 6	5	Red rectangular daymark, yellow stripe.	Visible 267°-275°.
14456 C 5162.1	--Rear, on islet 880 meters 270°42' from front.	60° 07.2' N 24° 56.7' E	L.FI.W. period 6s fl. 2s, ec. 4s	56 17	6	Red rectangular daymark, yellow stripe.	Visible 267°-275°.
14460 C 5168	-Sarkka (Langorn).	60° 09.1' N 24° 58.0' E	FI.W.R.G. period 2s fl. 0.5s, ec. 1.5s	7 2	W. R. G. 1 1 1	White beacon, red band.	G. 175°-186°, W.-191°, R.-280°.
14464 C 5167	-Harakka Range, front.	60° 08.9' N 24° 57.7' E	Q.W.	23 7	5	Yellow rectangular daymark, red stripe.	Visible 042°30'-050°30'.
14468 C 5167.1	--Rear, 330 meters 046°24' from front.	60° 09.0' N 24° 58.0' E	L.FI.W. period 6s fl. 2s, ec. 4s	31 9	5	Yellow rectangular daymark, red stripe.	Visible 042°30'-050°30'.
14472 C 5166	-Mustassari (Vastra Svarto), W. side.	60° 08.8' N 24° 58.4' E	Oc.W.R.G. period 2s lt. 1.5s, ec. 0.5s	16 5	7	White lantern, red band.	G. 327°-333°, W.-345°, R.-048°30', G.-066°, W.-079°, R.-128°.
14476 C 5170	-Bleholm Range, front.	60° 09.6' N 24° 58.0' E	Q.R.	7 2	6	White round tower, red band.	Visible 286°-018°.
14480 C 5170.1	--Rear, 240 meters 355° from front.	60° 09.7' N 24° 58.0' E	Iso.W.R.G. period 4s	23 7	W. R. G. 1 1 1	White round tower, red band.	W. 135°-213°, G.-237°, W.-260°, R.-271°, G.-283°, W.-293°, R.-006°.
14492 C 5173	-Sornamen Range, front.	60° 10.9' N 24° 57.7' E	Iso.R. period 6s	23 7	2	White square daymark, red stripe.	Visible 320°-332°.
14496 C 5173.1	--Rear, 275 meters 324°54' from front.	60° 10.9' N 24° 57.7' E	Iso.R. period 6s	39 12	2	White square daymark, red stripe.	Visible 320°-332°.
14516 C 5184	-Helsinki.	59° 56.9' N 24° 55.6' E	L.FI.W. period 12s fl. 3s, ec. 9s	82 25	12	White round tower, red top; 82. Helicopter platform.	
	-RACON		T(-)		12		(3 & 10cm).
14518 C 5185	-Ulkomatala.	59° 59.5' N 24° 53.4' E	V.Q.(3)W. period 5s	39 12	4	E. CARDINAL BYB, beacon, topmark.	Radar reflector.
14520 C 5186	-Graskarsbadan, on Vostochnoi Rock.	60° 02.2' N 24° 53.4' E	FI.W.R.G. period 3s fl. 0.5s, ec. 2.5s	39 12	7	Red round tower.	G. 153°-175°12', W.-180°, R.-153°. Radar reflector.
14528 C 5190	- Harmaja Range, front.	60° 06.3' N 24° 58.5' E	Oc.W.R.G. period 6s lt. 4s, ec. 2s	78 24	15	Red round tower, white band.	W. 004°30'-010°30', R.-168°, G.-187°, W.-193°, R.-212°, W.-250°, R.-260°, W.-312°, G.-004°30'. Pilot station.
	-RACON		NR(- • • - •)		12		(3 & 10cm).
14532 C 5190.1	-- Suomenlinnan , rear, on church, 4.82 km. 007°06' from Harmaja.	60° 08.9' N 24° 59.2' E	FI.(4)W. period 15s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 7.3s	177 54	20	White round tower.	Reserve light range 16M.
	--RACON		M(- -)		15		(3 & 10cm).
14536 C 5190.5	-Uusimatala shoal, about 1296 meters 173° from Harmaja.	60° 05.6' N 24° 58.7' E	V.Q.(9)W. period 10s	39 12	4	Yellow round beacon, black band.	Radar reflector.
14540 C 5190.4	-Flathallagrund Shoal, about 2.6 km. from Harmaja.	60° 05.0' N 24° 57.9' E	V.Q.(3)W. period 5s	39 12	4	Black round beacon, yellow band.	Radar reflector.
14544 C 5188.1	-Lokkiluoto Range, front.	60° 07.9' N 24° 56.6' E	Q.W.	20 6	5	Black round concrete column, white stripe.	Visible 130°-158° and 068°-076°. In line 072° with 14440.
14548 C 5188	--Abrahaminluoto, rear, 1,204 meters 143°06' from front.	60° 07.3' N 24° 57.4' E	Iso.W. period 3s	33 10	6	Black rectangular daymark, white band.	Visible 132°-159°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF FINLAND							
14552 C 5165	-Husunkivi.	60° 08.4' N 24° 57.8' E	V.Q.(5)R. period 6s	36 11	4	White round tower, red top.	Radar reflector.
14556 C 5171	-Lansi Mustasaari Range, front.	60° 08.9' N 24° 58.5' E	Q.R.	37 11	3	Red rectangular daymark, white triangular daymark point up; 33.	Visible 147°-155°.
14560 C 5171.1	--Rear, 107 meters 151°12' from front.	60° 08.9' N 24° 58.5' E	Q.R.	49 15	3	White and red triangular daymarks point down.	Visible 147°-155°.
-Gustafsund:							
14564 C 5196	--Kustaanmiekka (Gustavssvard) Range, front.	60° 08.3' N 24° 59.4' E	Q.W.R.	27 8	8	Red rectangular daymark, white stripe.	W. 191°-026°, R.-067°.
14568 C 5196.1	--Rear, 593 meters 009°42' from front.	60° 08.6' N 24° 59.5' E	L.F.I.W. period 6s fl. 2s, ec. 4s	62 19	8	Red rectangular daymark, white stripe.	Visible 006°-014°.
14572 C 5195	--Remmarholmen.	60° 07.9' N 24° 59.6' E	Q.(2)W.R.G. period 4s	36 11	5	Red round concrete tower, white lantern.	G. 328°-347°, W.-359°, R.-007°, G.-031°, W.-044°, R.-077°, G.-121°, W.-141°, R.-198°.
14584 C 5200	-Kuivassaari, N. part of Mjolakneckten.	60° 06.3' N 25° 01.2' E	Q.(2)W.R.G. period 4s	20 6	7	White round lantern.	G. 141°-146°, W.-149°, R.-197°, G.-235°30', W.-241°, R.-268°.
14588 C 5202	-Isosaari Range, front.	60° 06.3' N 25° 03.6' E	F.R.	7 2	2	White rectangular daymark, red stripe.	Visible 135°-143°. Fishing light.
14592 C 5202.1	--Rear, 139° from front.	60° 06.2' N 25° 03.8' E	F.R.	36 11	2	White rectangular daymark, red stripe.	Visible 135°-143°. Fishing light.
14596 C 5206	-Vasikkasaari (Kalvholm), W. side.	60° 09.1' N 25° 00.6' E	F.I.W.R.G. period 2s fl. 0.3s, ec. 1.7s	16 5	5	White round tower.	G. 108°-116°30', W.-119°, R.-126°, G.-136°30', W.-143°, R.-151°.
14598 C 5206.5	--Neljanviitankari.	60° 09.8' N 24° 59.9' E	U.Q.(5)W. period 6s	39 12	1	Gray mast.	Radar reflector.
14600 C 5153.5	-Gasgrundet Range, front.	60° 05.2' N 24° 44.4' E	Q.W.	13 4	3	Red rectangular daymark, yellow stripe.	Visible 039°18'-047°18'.
14604 C 5153.51	--Rear, 043°18' from front.	60° 05.6' N 24° 45.2' E	L.F.I.W. period 6s fl. 2s, ec. 4s	42 13	4	Red rectangular daymark, yellow stripe.	Visible 039°18'-047°18'.
14608 C 5153	Kyto, NW. point.	60° 04.4' N 24° 43.4' E	V.Q.(5)W. period 6s	29 9	4	White round tower.	Visible 046°30'-253°30'.
14612 C 5147	-Kyto Range, front.	60° 03.8' N 24° 42.9' E	Q.W.	69 21	6	Red rectangular daymark, yellow stripe.	Visible 055°36'-059°36'.
14616 C 5147.1	--Rear, 057°30' from front.	60° 04.0' N 24° 43.2' E	L.F.I.W. period 6s fl. 2s, ec. 4s	102 31	7	Red rectangular daymark, yellow stripe.	Visible 055°36'-059°36'.
14656 C 5130	Porkkala Kallbada.	59° 52.1' N 24° 18.2' E	Fl.(3)W.R.G. period 20s fl. 0.8s, ec. 3.2s fl. 0.8s, ec. 3.2s fl. 0.8s, ec. 11.2s	70 21	12	Red four-sided tower.	R. 070°-120°, G.-195°, W.-070°.
14657 C 5129.5	-Inkoo No 2.	59° 52.0' N 24° 10.9' E	Fl.(2)W. period 20s	39 12	7	Red metal mast, white band.	Radar reflector.
RACON						K(- • -)	(3 & 10cm).
14660 C 5121	Makiluoto Range, front.	59° 54.8' N 24° 20.1' E	Q.W.	30 9	5	Red rectangular daymark, white stripe.	Visible 029°-037°.
14664 C 5121.1	--Rear, 1,482 meters 033° from front.	59° 55.5' N 24° 21.0' E	L.F.I.W. period 6s fl. 2s, ec. 4s	66 20	6	Red rectangular daymark, white stripe.	Visible 029°-037°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF FINLAND							
14712 <i>C 5131.4</i>	Oxhornen Range, front.	59° 57.6' N 24° 16.5' E	Fl.W. period 2s fl. 0.3s, ec. 1.7s	43 13	8	Red rectangular daymark, yellow stripe.	Visible 029°30'-033°30'.
	RACON		O(---)		10		(3 & 10cm).
14716 <i>C 5131.41</i>	-Rear, 031°30' from front.	59° 59.0' N 24° 18.2' E	L.Fl.W. period 6s fl. 2s, ec. 4s	92 28	12	Red rectangular daymark, yellow stripe.	Visible 029°30'-033°30'.
14892 <i>C 4980</i>	Jussaro, Sundharvn islet.	59° 47.4' N 23° 33.0' E	Fl.W. period 12s fl. 1.2s, ec. 10.8s	102 31	12	White square tower, red band; 79.	Radar reflector.
	EKENAS (TAMMISAARI):						
14944 <i>C 4991.6</i>	-Langden.	59° 46.7' N 23° 14.9' E	Fl.(3)W.R.G. period 15s fl. 1.5s, ec. 1.5s fl. 1.5s, ec. 1.5s fl. 1.5s, ec. 7.5s	55 17	W. 13 R. 3 G. 3	Red round concrete tower, white bands.	G. 128°-200°, W.-206°, R.-220°, G.-358°, W.-014°, R.-056°.
	-RACON		M(---)		10		(3 & 10cm).
14946 <i>C 4991.7</i>	Ajax.	59° 43.6' N 23° 12.6' E	V.Q.(5)Y. period 6s	39 12	5	White mast, red band.	Radar reflector.
15124 <i>C 4932</i>	Kummelskar Range, front.	59° 48.7' N 23° 06.3' E	Q.W.	30 9	6	Red rectangular daymark, yellow stripe.	Visible 052°48'-056°48'.
15128 <i>C 4932.1</i>	-Rear, 054°48' from front.	59° 49.0' N 23° 07.0' E	L.Fl.W. period 6s fl. 2s, ec. 4s	62 19	6	Red rectangular daymark, yellow stripe.	Visible 052°48'-056°48'.
15142	Inre Vasterlandet, RACON.	59° 47.7' N 23° 03.1' E	T(-) period 90s		12		
15148 <i>C 4916</i>	Norr Andalskar Range, front.	59° 48.7' N 23° 00.7' E	Q.W.	30 9	3	Yellow rectangular daymark, red stripe.	Visible 302°-306°.
15148.1 <i>C 4916.1</i>	-Graskar, rear, 400 meters 304° from front.	59° 48.8' N 23° 00.3' E	L.Fl.W. period 6s fl. 2s, ec. 4s	49 15	3	Yellow rectangular daymark, red stripe.	Visible 302°-306°.
15164 <i>C 4919</i>	-Ryssokobb Range, front.	59° 47.6' N 22° 56.4' E	Q.W.	69 21	6	Red rectangular daymark, yellow stripe.	Visible 264°-268°.
15168 <i>C 4919.1</i>	--Rear, 490 meters 266° from front.	59° 47.6' N 22° 55.9' E	L.Fl.W. period 6s fl. 2s, ec. 4s	104 32	7	Red rectangular daymark, yellow stripe.	Visible 264°-268°.
15172 <i>C 4918.4</i>	Gustavsvarn.	59° 48.1' N 22° 56.6' E	Fl.(2)W.R.G. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	59 18	12	Red round tower.	G. 114°30'-154°, W.-168°30', R.-237°, G.-314°, W.-320°, R.-337°.
15176 <i>C 4915.7</i>	Abertsklackarna Range, front.	59° 47.0' N 22° 53.8' E	Q.W.	16 5	11	Red rectangular daymark, yellow stripe.	Visible 271°-275°.
15180 <i>C 4915.71</i>	-Rear, 273° from front.	59° 47.0' N 22° 53.4' E	L.Fl.W. period 6s fl. 2s, ec. 4s	56 17	12	Red rectangular daymark, yellow stripe.	Visible 271°-275°.
15184 <i>C 4915.3</i>	Albertsklackarna.	59° 46.9' N 22° 53.6' E	Fl.W.R.G. period 3s fl. 0.5s, ec. 2.5s	36 11	4	Metal post.	G. 130°-141°, W.-143°30', R.-160°.
15188 <i>C 4888</i>	Tulliniemi Range, front.	59° 48.7' N 22° 54.8' E	Q.R.	39 12	5	Red rectangular daymark, yellow stripe.	Visible 057°-061°. Pilot station.
15192 <i>C 4888.1</i>	-Rear, 059° from front.	59° 48.7' N 22° 54.8' E	L.Fl.R. period 6s	59 18	5	Red rectangular daymark, yellow stripe.	Visible 057°-061°.
15196 <i>C 4892</i>	Hangoudd Range, front, about 686 meters 061° from breakwater, head.	59° 48.7' N 22° 54.9' E	Q.W.	26 8	6	Yellow rectangular daymark, red stripe.	Visible 269°42'-277°42'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF FINLAND							
15200 <i>C 4892.1</i>	-Rear, 730 meters 273°42' from front.	59° 48.7' N 22° 54.1' E	L.FI.W. period 6s fl. 2s, ec. 4s	60 18	8	Yellow rectangular daymark, red stripe.	Visible 264°42'-282°42'.
15204 <i>C 4915.6</i>	Norrkobben Range, front.	59° 46.7' N 22° 55.1' E	Q.Y.	30 9	11	Red rectangular daymark, yellow stripe.	Visible 119°-123°.
15208 <i>C 4915.61</i>	-Russaro, rear, 121° from front.	59° 46.4' N 22° 56.0' E	L.FI.Y. period 6s fl. 2s, ec. 4s	62 19	11	Yellow rectangular daymark, red stripes.	Visible 119°-123°.
15210 <i>C 4919.4</i>	Hanko, No 1.	59° 44.1' N 23° 02.4' E	V.Q.(3)W. period 5s	39 12	6	E. CARDINAL BYB, beacon, topmark.	Radar reflector.
15212 <i>C 4912</i>	-Russaro.	59° 46.0' N 22° 56.9' E	Fl.(4)W. period 45s fl. 1.4s, ec. 6.1s fl. 1.4s, ec. 6.1s fl. 1.4s, ec. 6.1s fl. 1.4s, ec. 21.1s	112 34	16	Red round tower; 69.	Visible 174°-115°.
15216 <i>C 4915.8</i>	Lindskar Range, front.	59° 45.6' N 22° 57.7' E	Q.W.	16 5	12	Red rectangular daymark, yellow stripe.	Visible 232°48'-236°48'.
15220 <i>C 4915.81</i>	-Vasterbadan, rear, 234°48' from front.	59° 45.2' N 22° 56.3' E	L.FI.W. period 6s fl. 2s, ec. 4s	62 19	14	Red rectangular daymark, yellow stripe.	Visible 232°48'-236°48'.
15224 <i>C 4910</i>	Lilla Tarnskar.	59° 45.2' N 22° 57.8' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	43 13	7	Black rectangular daymark; 33.	Radar reflector.
	-RACON		T(-)		9		(3 & 10cm).
15228 <i>C 4914</i>	-Masskar Range, front.	59° 47.5' N 22° 55.0' E	Q.W.	36 11	9	Yellow rectangular daymark, red stripe.	Visible 356°36'-004°36'. Shown on request.
15232 <i>C 4914.1</i>	--Rear, 463 meters 001° from front.	59° 47.8' N 22° 55.0' E	L.FI.W. period 6s fl. 2s, ec. 4s	62 19	9	Yellow rectangular daymark, red stripe.	Visible 357°-005°. Shown on request.
15236 <i>C 4915</i>	-Granskargrund Range, front.	59° 47.9' N 22° 53.6' E	Fl.W.R.G. period 3s fl. 1s, ec. 2s	26 8	4	Black rectangular daymark, white stripe.	G. 079°-092°, W.-096°30', R.-137°, W. 310°30'-314°30'.
15240 <i>C 4915.1</i>	--Kistskar, rear, 312° from front.	59° 48.2' N 22° 52.9' E	Iso.W. period 4s	36 11	9	Black rectangular daymark, white stripe.	Visible 308°-316°. Shown on request.
15244 <i>C 4920.2</i>	-Djupkobben Range, front.	59° 48.4' N 22° 58.0' E	Fl.W. period 3s fl. 1s, ec. 2s	26 8	11	Red rectangular daymark, yellow stripe.	Visible 324°24'-329°24'. Range 8M by day visible 321°24'-332°24'.
15248 <i>C 4920.21</i>	--Rear, about 1.6 km. 326°54' from front.	59° 49.1' N 22° 57.0' E	Iso.W. period 12s	72 22	14	Red rectangular daymark, yellow stripe.	Visible 324°24'-329°24'. Range 9M by day visible 321°24'-332°24'.
15252 <i>C 4922</i>	-Hogholm (Hanko), mole, head.	59° 49.2' N 22° 56.7' E	Q.W.R.G.	23 7	5	White round tower.	G. 024°-037°, W.-049°, R.-060°, G.-070°, W.-079°30', R.-110°, W.-260°.
15256 <i>C 4924</i>	-Hanko Range, front.	59° 49.2' N 22° 58.0' E	F.R.	19 6	6	Red rectangular daymark, yellow stripe.	Visible 240°-060°.
15260 <i>C 4924.1</i>	--Rear, 238 meters 330°30' from front.	59° 49.3' N 22° 57.8' E	F.R.	39 12	6	Red rectangular daymark, yellow stripe.	Visible 240°-060°.
15264 <i>C 4920.4</i>	-Hakoniemi Range, front.	59° 49.3' N 22° 55.4' E	Q.Y.	52 16	6	Red rectangular daymark, yellow stripe.	Visible 315°-323°.
15264.1 <i>C 4920.41</i>	--Rear, 0.3km 319° from front.	59° 49.4' N 22° 55.2' E	L.FI.Y. period 6s fl. 2s, ec. 4s	85 26	9	Red rectangular daymark, yellow stripe.	Visible 315°-323°.
15268 <i>C 4906</i>	-Bengtskar.	59° 43.4' N 22° 30.0' E	Fl.(3)W. period 20s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 16.5s	167 51	10	Round granite tower, building; 151.	Wind generator.

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FINLAND-GULF OF FINLAND							
15284 C 4915.5	Lilla Grankskarsharun Range, front.	59° 47.7' N 22° 51.8' E	Q.Y.	23 7	11	Red rectangular daymark, yellow stripes.	Visible 299°-303°.
15288 C 4915.51	-Grankskarsharun, rear 301° from front.	59° 47.8' N 22° 51.6' E	L.F.I.Y. period 6s fl. 2s, ec. 4s	55 17	13	Red rectangular daymark, yellow stripes.	Visible 299°-303°.
15289 C 4915.54	Granskar.	59° 47.3' N 22° 52.9' E	Fl.G. period 3s	43 13	4	Green beacon, triangular daymark point up.	Radar reflector.
15290 C 4915.57	Vasteriströn.	59° 47.1' N 22° 53.9' E	Fl.R. period 3s	40 12	4	Red beacon, rectangular daymark.	Radar reflector.
15292 C 4884	Granskarsharun.	59° 47.8' N 22° 51.9' E	Iso.W.R.G. period 2s	25 8	6	White lantern, red band; 13.	G. 137°-148°, W.-156°, R.-210°, G.-240°, W.-242°, R.-272°.
15296 C 4881	Utterklint.	59° 49.0' N 22° 51.0' E	V.Q.(2)W. period 3s	33 10	4	Red rectangular daymark; 10.	Visible 256°-191°.
15300 C 4885	Kajgrund.	59° 48.5' N 22° 54.0' E	Fl.W.R.G. period 3s fl. 1s, ec. 2s	16 5	5	White round tower, red band.	G. 250°-272°30', W.-276°30', R.-295°, G.-001°, W.-011°, R.-070°.
15304 C 4915.2	Dodören Range, front.	59° 48.8' N 22° 50.0' E	Q.Y.	16 5	5	Red rectangular daymark, yellow stripes.	Visible 224°-228°.
15308 C 4915.21	-Stenskarsharun, rear, 1,667 meters 226° from front.	59° 48.2' N 22° 48.6' E	L.F.I.Y. period 6s fl. 2s, ec. 4s	56 17	11	Red rectangular daymark, yellow stripes.	Visible 224°-228°.
15312 C 4915.4	Norrgardskobben Range, front.	59° 49.5' N 22° 49.6' E	Q.W.	16 5	5	Red rectangular daymark, yellow stripes.	Visible 319°-323°.
15316 C 4915.41	-Klockarlandet, rear, 1,741 meters 321° from front.	59° 50.2' N 22° 48.4' E	L.F.I.W. period 6s fl. 2s, ec. 4s	56 17	6	Red rectangular daymark, yellow stripes.	Visible 319°-323°.
15320 C 4886	-Tullisaari, N. point.	59° 48.4' N 22° 54.4' E	Fl.W.R.G. period 3s fl. 0.3s, ec. 2.7s	26 8	6	White round tower.	G. 063°-069°, W.-085°, R.-194°, G.-263°30', R.-283°.
15322 C 4876	-Smörsten N.	59° 49.5' N 22° 51.2' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	43 13	4	Green beacon.	Radar reflector.
JUNGFRUSUND:							
15324 C 4878	-Lillklippingsgrund.	59° 49.9' N 22° 52.3' E	L.F.I.W.R.G. period 6s fl. 2s, ec. 4s	17 5	7	White round tower. Floodlit.	G. 012°-047°30', W.-051°, R.-102°.
15332 C 4873.5	-Koppnas Dir. Lt.	59° 51.0' N 22° 58.0' E	Dir.W.R.G. period 4s	10 3			Iso.R. 097°48'-099°18', Iso.W.-101°12', Iso.G.-102°42'.
15337 C 4873.5	-Koppnas.	59° 51.0' N 22° 58.0' E	Dir.W.R.G. period 4s		3		Iso.R. 097°48'-099°18', Iso.W.-101°12', Iso.G.-102°42'.
15340 C 4874.4	-Krankudden Fishing Range, front.	59° 50.1' N 22° 55.5' E	Fl.R.	26 8		Gray round daymark.	Fishing light. Shown on request.
15344 C 4874.5	--Rear, 203° from front.	59° 50.1' N 22° 55.5' E	Fl.R.	36 11		Gray round daymark.	Fishing light. Shown on request.
15348 C 4873	-Hamnholm Range, front.	59° 50.4' N 22° 55.5' E	Q.Y.	31 9	11	Red rectangular daymark, yellow stripe.	Visible 116°-133°.
15352 C 4873.1	--Rear, Kasberget, 457 meters 123°30' from front.	59° 50.2' N 22° 55.9' E	L.F.I.Y. period 6s fl. 2s, ec. 4s	66 20	13	Red rectangular daymark, yellow stripe.	Visible 116°-133°.
15356 C 4874	-Valnas Range, front.	59° 50.3' N 22° 55.9' E	Fl.R.	23 7		Gray round daymark.	Fishing light. Shown on request.
15360 C 4874.1	--Rear, 131° from front.	59° 50.3' N 22° 55.9' E	Fl.R.	33 10		Gray round daymark.	Fishing light. Shown on request.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF FINLAND							
15364 <i>C 4872</i>	-Flackgrund Range, front.	59° 52.4' N 22° 50.2' E	Q.(2)W.R.G. period 3s	20 6	9	Red rectangular daymark, yellow stripe.	G. 270°-307°, W.-314°, R.-020°, G.-112°, W.-115°, R.-119°, G.-170°, R.-270°.
15368 <i>C 4872.1</i>	--Rear, 113°54' from front, on islet.	59° 51.6' N 22° 53.9' E	L.F.I.W. period 6s fl. 2s, ec. 4s	85 26	9	Red rectangular daymark, white stripe.	Visible 111°24'-115°24'.
15372 <i>C 4871</i>	-Maltskar Range, front.	59° 51.4' N 22° 47.1' E	Q.W.	26 8	4	Red rectangular daymark, yellow stripe.	Visible 200°06'-208°06'.
15376 <i>C 4871.1</i>	--Rear, about 1,296 meters 204°06' from front.	59° 50.8' N 22° 46.5' E	L.F.I.W. period 6s fl. 2s, ec. 4s	69 21	5	Red rectangular daymark, yellow stripe.	Visible 200°06'-208°06'.
15384 <i>C 4869</i>	-Stubbkal.	59° 56.7' N 22° 48.2' E	Fl.W.R.G. period 5s fl. 0.5s, ec. 4.5s	39 12	7	White round tower, black stripe;13.	G. 166°30'-177°', W.-179°, R.-346°30'.
15388 <i>C 4868.5</i>	-Lerharu.	59° 54.8' N 22° 39.6' E	Fl.W.R.G. period 3s	39 12	7	White metal framework tower, red top.	G. 255°30'-293°, W.-294°30', R.-005°30', G.-100°30', W.-102°, R-119°30'. Radar reflector.
15392 <i>C 4868</i>	-Gaitarna.	59° 55.0' N 22° 36.4' E	V.Q.(5)Y. period 6s	26 8	3	White round tower.	Radar reflector.
15396 <i>C 4866</i>	-Matlosharun Range, common front.	59° 55.4' N 22° 34.6' E	Q.Y.	40 12	3	Red rectangular daymark, yellow stripe.	Visible 062°30'-070°30'.
			Q.W.	33 10	4		Visible 285°12'-293°12'.
15398 <i>C 4865.9</i>	--Rear, 066°30' from common front.	59° 56.0' N 22° 37.2' E	L.F.I.Y. period 6s fl. 2s, ec. 4s	105 32	5	Red rectangular daymark, yellow stripe.	Visible 062°30'-070°30'.
15400 <i>C 4866.1</i>	--Rear, 289°12' from common front.	59° 55.8' N 22° 32.8' E	L.F.I.W. period 6s fl. 2s, ec. 4s	110 34	8	Red rectangular daymark, yellow stripe.	Visible 287°12'-291°12'.
15404 <i>C 4867</i>	-Flacksarsgrund Range, front.	59° 55.4' N 22° 37.7' E	Q.W.	25 8	5	Red rectangular daymark, yellow stripe.	Visible 079°-087°.
15408 <i>C 4867.1</i>	--Rear, 082°54' from front.	59° 55.4' N 22° 38.4' E	L.F.I.W. period 6s fl. 2s, ec. 4s	52 16	5	Red rectangular daymark, yellow stripe in center.	Visible 079°-087°.
15412 <i>C 4861</i>	-ldskar.	59° 54.9' N 22° 31.9' E	V.Q.(5)R. period 6s	23 7	3	White lantern.	
15416 <i>C 4864</i>	-Killingskar Range, common front.	59° 55.0' N 22° 31.9' E	Q.W.	39 12	4	Red rectangular daymark, yellow stripe in center.	Visible 050°12'-058°12' and 258°54'-266°54'.
15418 <i>C 4863.9</i>	--Rear, 054°12' from common front.	59° 55.2' N 22° 32.6' E	L.F.I.W. period 6s fl. 2s, ec. 4s	95 29	5	Red rectangular daymark, yellow stripe.	Visible 050°12'-058°12'.
15420 <i>C 4864.1</i>	--Rear, 262°54' from common front.	59° 55.0' N 22° 31.3' E	L.F.I.W. period 6s fl. 2s, ec. 4s	72 22	5	Red rectangular daymark, yellow stripe.	Visible 258°54'-266°54'.
15432 <i>C 4865</i>	-Batskar Range, front.	59° 54.3' N 22° 29.6' E	Q.Y.	12 4	3	Red rectangular daymark, yellow stripe.	Visible 242°30'-250°30'.
15436 <i>C 4865.1</i>	--Rear, 246°30' from front.	59° 54.2' N 22° 29.1' E	L.F.I.Y. period 6s fl. 2s, ec. 4s	36 11	4	Red rectangular daymark, yellow stripe.	Visible 242°30'-250°30'.
15448 <i>C 4862</i>	-ldskarskubb.	59° 54.9' N 22° 32.3' E	V.Q.(5)G. period 6s	20 6	2	White round tower, black band.	Radar reflector.
15452 <i>C 4860</i>	-Jarngrynnan.	59° 53.7' N 22° 27.8' E	V.Q.(5)Y. period 6s	26 8	3	White concrete hut, red band.	Radar reflector.
15456 <i>C 4858</i>	-Fungskar Range, front.	59° 53.8' N 22° 25.8' E	Q.W.	52 16	4	Red rectangular daymark, yellow stripe.	Visible 144°-152°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF FINLAND							
15460 <i>C 4858.1</i>	--Rear, 148° from front.	59° 53.6' N 22° 26.0' E	L.FI.W. period 6s fl. 2s, ec. 4s	85 26	5	Steel mast, red rectangular daymark, yellow stripe.	Visible 144°-152°.
15464 <i>C 4856</i>	-Pervetsgrund (Pervittenskar) Range, front.	59° 54.3' N 22° 24.9' E	Q.W.	23 7	3	Yellow rectangular daymark, red stripe.	Visible 285°-317°.
15468 <i>C 4856.1</i>	--Aggaskar, rear, 301° from front.	59° 54.4' N 22° 24.4' E	L.FI.W. period 6s fl. 2s, ec. 4s	36 11	3	Yellow rectangular daymark, red stripe.	Visible 285°-317°.
15470 <i>C 4855</i>	-Kalholm.	59° 55.2' N 22° 23.6' E	V.Q.(2)W.R.G. period 3s	23 7	6	Red rectangular daymark.	G. 092°-170°, W.-171°30', R.-271°.
15472 <i>C 4854</i>	-Onholm, S. side.	59° 56.1' N 22° 22.9' E	FI.W.R.G. period 2s fl. 0.2s, ec. 1.8s	26 8	6	Red rectangular daymark.	G. 295°30'-325°30', W.-328°30', R.-341°.
15476 <i>C 4852</i>	-Kuggor, W. side.	59° 58.0' N 22° 23.0' E	V.Q.(5)Y. period 6s	10 3	4	Rectangular fiberglass daymark.	
15480 <i>C 4746.8</i>	-Hallsten.	59° 53.0' N 22° 25.1' E	V.Q.(2)W.R.G. period 3s	23 7	W. 5	Red round tower, white top.	R. 202°-236°, G.-027°, W.-029°, R.-110°. Radar reflector.
15484 <i>C 4863</i>	-Hamnholmarna Range, front.	59° 52.8' N 22° 24.4' E	Q.W.	23 7	3	Red rectangular daymark, yellow stripe.	Visible 244°30'-276°30'.
15488 <i>C 4863.1</i>	--Rear, 260°30' from front.	59° 52.7' N 22° 23.5' E	L.FI.W. period 6s fl. 2s, ec. 4s	46 14	3	Red rectangular daymark, yellow stripe.	Visible 244°30'-276°30'.
15492 <i>C 4863.5</i>	-Kalvholm Range, front.	59° 52.4' N 22° 24.7' E	Q.W.	30 9	4	Red rectangular daymark, yellow stripe.	Visible 230°12'-238°12'.
15496 <i>C 4863.51</i>	--Rear, 234°12' from front.	59° 52.2' N 22° 24.1' E	L.FI.W. period 6s fl. 2s, ec. 4s	59 18	5	Red rectangular daymark, yellow stripe.	Visible 230°12'-238°12'.
15500 <i>C 4746</i>	Angskar Range, front.	59° 53.4' N 22° 22.5' E	FI.W. period 2s fl. 0.3s, ec. 1.7s	30 9	10	Red rectangular daymark, yellow stripe.	Visible 086°30'-090°30'.
15504 <i>C 4746.1</i>	-Rear, 088°30' from front.	59° 53.4' N 22° 24.1' E	L.FI.W. period 8s fl. 2s, ec. 6s	108 33	11	Red rectangular daymark, yellow stripe.	Visible 086°30'-090°30'.
15508 <i>C 4746.2</i>	Fjardskar, bank S. of Fjardskar.	59° 53.2' N 22° 23.3' E	FI.W.R.G. period 3s fl. 0.3s, ec. 2.7s	17 5	5	Red round tower, white band.	G. 272°30'-288°, W.-294°, R.-013°, G.-097°, W.-105°, R.-120°30'.
15509 <i>C 4745.74</i>	Hemoren.	59° 53.0' N 22° 13.6' E	FI.G. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Green beacon.	
15510 <i>C 4745.76</i>	Tjufor.	59° 54.2' N 22° 13.0' E	FI.G. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Green beacon.	
15512 <i>C 4745.8</i>	Vitgrund Range, front.	59° 53.6' N 22° 20.0' E	Q.W.	16 5	4	Red rectangular daymark, yellow stripe.	Visible 282°12'-290°12'.
15516 <i>C 4745.81</i>	-Rear, 286°12' from front.	59° 53.7' N 22° 19.0' E	L.FI.W. period 6s fl. 2s, ec. 4s	52 16	5	Red rectangular daymark, yellow stripe.	Visible 282°12'-290°12'.
15520 <i>C 4745.6</i>	Laderklobb Range, front.	59° 54.0' N 22° 10.0' E	Q.Y.	23 7	8	Red rectangular daymark, yellow stripe.	Visible 077°-081°.
15524 <i>C 4745.61</i>	-Rear, 079° from front.	59° 53.8' N 22° 11.4' E	L.FI.Y. period 6s fl. 2s, ec. 4s	96 29	9	Red rectangular daymark, yellow stripe.	Visible 077°-081°.
15525 <i>C 4744.23</i>	Korpskar Range, front.	59° 51.8' N 21° 41.0' E	Q.W.	42 13	9	Red rectangular daymark, yellow stripe.	Visible 077°30'-085°30'.
15525.1 <i>C 4744.24</i>	-Rear, 081°42' from light.	59° 52.1' N 21° 44.5' E	L.FI.W. period 6s	91 28	10	Red rectangular daymark, yellow stripe.	Visible 077°30'-085°30'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-AHVENANMAA (ALAND ISLANDS)							
15780 <i>C 4732</i>	Lillharun.	59° 43.7' N 21° 24.0' E	Fl.W.R.G. period 7s	55 17	10	Black round tower, white top; 39.	G. 262°-340°, W.-045°, R.-101°, G.-148°, W.-156°, R.-172°. Radar reflector.
	RACON		T(-)		11		(3 & 10cm).
	UTO:						
15800 <i>C 4736</i>	Uto.	59° 46.9' N 21° 22.1' E	Fl.(2)W. period 12s fl. 0.3s, ec. 3.2s fl. 0.3s, ec. 8.2s	130 40	18	White square granite tower, red stripes; 79.	Visible 235°-100°. Pilot station.
			F.W.	125 38	10		Visible 163°-253°.
15804 <i>C 4725</i>	Kokarsoren.	59° 46.1' N 21° 01.1' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	79 24	9	Red rectangular daymark.	Visible 262°-217°.
15808 <i>C 4734</i>	-Approaching Range, front.	59° 46.9' N 21° 21.5' E	Q.Y.	49 15	11	Red rectangular daymark, yellow stripe.	Visible 000°-019°.
			Q.W.R.G.Y.	43 13	W. 8 R. 2 G. 2 Y. 4		Y. 335°-090°, G.-156°, W.-165°30', R.-176°, G.-242°.
15812 <i>C 4734.1</i>	--Rear, 630 meters 009°36' from front.	59° 47.3' N 21° 21.6' E	Iso.Y. period 6s	85 26	12	Red rectangular daymark, yellow stripe.	Visible 000°-019°.
15852 <i>C 4739</i>	Skataskar Range, front.	59° 50.8' N 21° 19.6' E	Q.W.	46 14	7	Red rectangular daymark, white stripe.	Visible 347°30'-355°30'.
15856 <i>C 4739.1</i>	-Rear, 365 meters 351°30' from front.	59° 51.2' N 21° 19.4' E	L.Fl.W. period 8s fl. 2s, ec. 6s	102 31	7	Red rectangular daymark, white stripe.	Visible 347°30'-355°30'.
15860 <i>C 4743.2</i>	Bokullankivi.	59° 50.8' N 21° 25.1' E	Fl.W.R.G. period 5s fl. 0.5s, ec. 4.5s	30 9	W. 9 R. 2 G. 2	White tower, black band; 13.	G. 009°-050°, W.-054°, R.-165°, G.-232°30', W.-236°30', R.-009°. Wind generator.
	RACON		T(-)		11		(3cm).
16092 <i>C 4486</i>	Bogskar, on W. rock.	59° 30.3' N 20° 20.9' E	Fl.(3)W. period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 13s	91 28	9	White round tower, blue band, lantern; 75. Helicopter platform.	
	RACON		T(-)		13		(3 & 10cm).
16094 <i>C 4487</i>	Suomen Leijona.	59° 28.4' N 20° 48.8' E	Fl.(2)W. period 12s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 9.6s	44 13	9	White tower, orange band.	Wind generator. Radar reflector.
	RACON		T(-)		11		(3 & 10cm).
16096 <i>C 4480</i>	Lagskar, N. point.	59° 50.5' N 19° 54.7' E	Fl.W. period 12s fl. 1.5s, ec. 10.5s	138 42	11	Red square tower; 108.	
16100 <i>C 4482</i>	Flothan (Flotjan).	59° 48.5' N 19° 46.9' E	Fl.(2)W. period 20s fl. 1.5s, ec. 2s fl. 1.5s, ec. 15s	85 26	10	Red tower, white stripe; 72.	
	RACON		T(-)		13		(3 & 10cm).
16106 <i>C 4485</i>	Salkobb.	59° 54.2' N 20° 04.7' E	Fl.W.R.G. period 5s fl. 0.5s, ec. 4.5s	36 11	4	Red rectangular daymark.	W. 003°-022°, R.-090°, G.-166°, W.-178°, R.-270°, G.-320°, W.-328°, R.-337°, G.-003°. Shown on request.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-AHVENANMAA (ALAND ISLANDS)							
16144 C 4542	Ledskar, N. point.	59° 58.0' N 20° 10.0' E	Q.(2)W.R.G. period 5s	30 9	8	White round tower.	G. 080°-095°, W.-105°30', R.-120°, G.-177°, R.-217° G.-254°, W.-260°, R.-275°.
16158 C 4546	Fastorna.	59° 51.4' N 20° 20.6' E	Fl.W.R.G. period 5s fl. 0.5s, ec. 4.5s	62 19	7	Red truncated wooden tower.	G. 193°-234°, W.-244°, R.-303°, G.-333°, W.-037°, R.-074°, G.-090°, W.-103°, R.-120°, G.-164°, W.-180°, R.-193°. Fishing light. Shown on request.
	RACON		T(-)		11		(3 & 10cm).
16476 C 4626	Kalkskarskob.	60° 00.3' N 21° 04.7' E	Fl.(4)W.R.G. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 3s	72 22	W. 10 R. 1 G. 1	Red rectangular daymark, white band; 46.	R. 309°-081°, G.-145°, W.-155°, R.-185°, G.-222°, W.-227°, R.-289°, G.-306°, W.-309°. Radar reflector.
	RACON		T(-)		10		(3 & 10cm).
16480 C 4630	Kihti.	60° 04.6' N 21° 08.3' E	Q.(3)W.R.G. period 10s	36 11	9	Black round tower, white top; 36.	G. 083°-092°, W.-095°, R.-173°, G.-239°, W.-244°, R.-268°.
	RACON		T(-)		12		(3cm).
16744 C 4496	-Korso Range, SW. point of Yttre Korso, common front.	60° 02.0' N 19° 54.0' E	Iso.W.R.G. period 2s	23 7	W. 9 R. 2 G. 2	Yellow rectangular daymark, red stripe; 10.	G. 318°-003°, W.-009°, R.-032°30', G.-062°30', W.-075°, R.-179°30'.
	-RACON		T(-)		8		(3 & 10cm).
16748 C 4496.1	--Rear, 180 meters 066° from common front.	60° 02.4' N 19° 54.2' E	L.Fl.W. period 6s fl. 2s, ec. 4s	56 17	8	Yellow rectangular daymark, red stripe.	Visible 062°-070°.
16752 C 4495.9	--Rear, 100 meters 051°30' from common front.	60° 02.4' N 19° 54.1' E	L.Fl.G. period 6s fl. 2s, ec. 4s	69 21	11	Yellow rectangular daymark, red stripe.	Visible 045°30'-057°30'.
16756 C 4494	Tvibenan, E. side.	60° 02.0' N 19° 53.0' E	Q.W.R.G.	20 6	W. 4 R. 1 G. 1	White rectangular daymark.	G. 184°-210°, W.-213°, R.-273°30', G.-330°, W.-341°30', R.-070°.
16760 C 4490	Marhallan.	60° 01.8' N 19° 52.3' E	Q.(3)W.R.G. period 6s	49 15	W. 10 R. 2 G. 2	Red round tower, black band.	W. 007°-120°, R.-175°, G.-219°, W.-244°, R.-333°, G.-007°. Radar reflector.
16770 C 4479	Utbadan.	60° 05.0' N 19° 42.4' E	Fl.W. period 3s fl. 0.2s, ec. 2.8s	27 8	4	White beacon, orange band; 20.	Radar reflector.
16774 C 4473.5	Solovjeva.	60° 11.2' N 19° 10.3' E	V.Q.(4)W. period 8s	46 14	6	White mast, red band; 66.	Radar reflector.
16788 C 4478	Tollingbadan.	60° 11.3' N 19° 27.1' E	Q.(2)W.R.G. period 5s	26 8	6	Orange round tower.	W. 320°-055°, R.-088°, G.-106°, W.-109°, R.-140°, G.-179°, W.-182°30', R.-195°, G.-205°, W.-234°, R.-307°, G.-320°.
16792 C 4472	Market.	60° 18.1' N 19° 07.9' E	Fl.W. period 5s fl. 0.4s, ec. 4.6s	52 16	9	White rectangular daymark, red band.	
16796 C 4468	Adskar.	60° 21.0' N 19° 31.0' E	Fl.W.R.G. period 3s fl. 0.3s, ec. 2.7s	33 10	5		G. 090°-170°, W.-178°, R.-270°, G.-005°, W.-009°, R.-090°. Shown on request. Fishing light.
16800 C 4466	Sodra Salskar, W. side of S. islet.	60° 24.7' N 19° 35.6' E	Fl.(2)W. period 12s fl. 1s, ec. 2s fl. 1s, ec. 8s	145 44	12	White round brick tower; 105.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-AHVENANMAA (ALAND ISLANDS)							
16808 <i>C 4465.4</i>	Kallan.	60° 27.0' N 19° 44.4' E	Fl.W.R.G. period 3s fl. 0.3s, ec. 2.7s	26 8	4	White round beacon.	W. 117°30'-148°30', R.- 178°30', G.-199°, W.- 216°, R.-349°, G.- 117°30'. Fishing light. Shown on request.
16812 <i>C 4465</i>	Koksnan.	60° 28.1' N 19° 56.2' E	Fl.W. period 5s fl. 0.4s, ec. 4.6s	56 17	6	White beacon, red band.	
16814 <i>C 4464.4</i>	Ranno.	60° 31.7' N 20° 11.9' E	Q.(2)W. period 5s	66 20	5	Red beacon.	Fishing light. Shown on request.
	RACON		T(-)		13		(3cm).
16948 <i>C 4462.6</i>	Inre Bredan.	60° 34.6' N 20° 42.9' E	Fl.W.R.G. period 3s fl. 0.3s, ec. 2.7s	33 10	5	White round tower.	W. 169°-179°, R.-256°, G.- 325°, W.-330°, R.-354°, G.-169°. Fishing light. Shown on request.
16952 <i>C 4450.4</i>	Sandbacks Sodra, on Sandbacks Norra.	60° 45.8' N 20° 44.3' E	Fl.(3)W. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6.5s	42 13	10	Orange round tower. Helicopter platform.	
	RACON		T(-)		10		(3 & 10cm).

Section 10

Gulf of Bothnia - West Coast of Finland

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF BOTHNIA							
16956 <i>C 4453.3</i>	Ljungbergsinkivi.	60° 43.0' N 20° 56.0' E	V.Q.W.	41 12	3	N. CARDINAL BY, mast, topmark.	
16960 <i>C 4453.4</i>	Isokari W.	60° 43.3' N 20° 58.5' E	V.Q.(5)Y. period 6s	41 12	2	White metal mast, red top.	Radar reflector.
16967 <i>C 4449.9</i>	Isokari Range, front.	60° 42.5' N 21° 01.1' E	Q.W.	46 14	7	Red rectangular daymark, yellow stripe.	Visible 339°48'-343°48'.
16968 <i>C 4450</i>	-Isokari, rear, 370 meters 341°48' from front.	60° 43.1' N 21° 00.6' E	L.FI.W. period 20s fl. 2.3s, ec. 17.7s	162 49	19	White round tower, red bands; 122.	Pilot station.
16972 <i>C 4453</i>	Keskikallio.	60° 41.6' N 21° 03.4' E	V.Q.(4)W.R.G. period 6s	70 21	7	White concrete tower, black top; 49.	G. 099°-115°42', W.-116°42', R.-292°, G.-300°, W.- 302°, R.-311°.
16984 <i>C 4454</i>	Iso Hauteri Range, front.	60° 39.8' N 21° 04.1' E	FI.W. period 2s fl. 0.3s, ec. 1.7s	37 11	10	Red rectangular daymark, white stripe.	Visible 132°30'-136°30'.
16988 <i>C 4454.1</i>	-Vaha Hauteri, rear, 1,611 meters 134°06' from front.	60° 39.2' N 21° 05.4' E	L.FI.W. period 8s fl. 2s, ec. 6s	60 18	11	Red rectangular daymark, white stripe.	Visible 132°30'-136°30'.
17000 <i>C 4680.6</i>	Katanpaa Range, front.	60° 36.8' N 21° 09.8' E	Q.W.	34 10	5	Red rectangular daymark, yellow stripe.	Visible 180°54'-188°54'.
17000.1 <i>C 4680.61</i>	-Rear, 184°54' from front.	60° 36.6' N 21° 09.8' E	L.FI.W. period 6s fl. 2s, ec. 4s	67 20	6	Red rectangular daymark, yellow stripe.	Visible 180°54'-188°54'.
17192 <i>C 4447.6</i>	Sammo Range, front.	60° 50.0' N 21° 07.0' E	Q.W.	11 3	5	Red rectangular daymark, yellow stripe.	Visible 341°36'-349°36'.
17196 <i>C 4447.61</i>	-Rear, 2,500 meters 345°36' from front.	60° 51.1' N 21° 06.0' E	L.FI.W. period 6s fl. 2s, ec. 4s	59 18	6	Red rectangular daymark, yellow stripe.	Visible 341°36'-349°36'. Same structure as Sammo light.
UUSUIKAUPUNKI APPROACH:							
17208 <i>C 4457.7</i>	-Vilissalo Range, front.	60° 48.0' N 21° 23.0' E	Q.W.	19 6	10	Yellow rectangular daymark, red stripe.	Visible 049°-069°.
17212 <i>C 4457.71</i>	--Rear, 059° from front.	60° 47.7' N 21° 23.7' E	L.FI.W. period 6s fl. 2s, ec. 4s	49 15	13	Yellow rectangular daymark, red stripe.	Visible 049°-069°.
17224 <i>C 4445.5</i>	Nurminen.	60° 53.0' N 21° 10.0' E	Q.W.	30 9	6	Yellow rectangular daymark, red stripe.	Visible 172°-176°.
17246 <i>C 4444.3</i>	-Santakariluoto Range, front.	60° 57.3' N 21° 08.3' E	Q.Y.	26 8	4	Red rectangular daymark, yellow stripe.	Visible 193°54'-201°54'.
17246.1 <i>C 4444.31</i>	--Rear, 197°54' from front.	60° 56.6' N 21° 07.8' E	L.FI.Y. period 6s fl. 2s, ec. 4s	52 16	5	Red rectangular daymark, yellow stripe.	Visible 193°54'-201°54'.
17248 <i>C 4445</i>	Hylkkari.	60° 57.3' N 21° 09.5' E	Q.(2)W.R.G. period 6s	26 8	W. 6	Red round concrete tower, white band.	G. 334°-356°, W.-009°, R.- 111°, G.-134°, W.-147°, R.-173°.
17252 <i>C 4440</i>	Kajakulma.	60° 59.9' N 21° 10.8' E	FI.W.R.G. period 2s fl. 0.3s, ec. 1.7s	30 9	W. 7 R. 1 G. 1	Red rectangular daymark, yellow stripe; 26.	R. 061°-097°, G.-125°, W.- 137°, R.-178°, G.-191°, G. 242°-280°, W.-282°, R.-284°. Radar reflector.
	RACON		T(-)		11		(3cm).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF BOTHNIA							
RAUMA:							
17268 C 4417	-Main.	61° 09.0' N 21° 09.6' E	Fl.(2)W.R.G. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	72 22	11	White tower, red top. Helicopter platform.	R. 180°-243°, G.-317°, W.- 332°, R.-356°30', G.- 065°, W.-180°. Radar reflector.
	-RACON		T(-)		12		(3 & 10cm).
-Nine Meter Channel:							
17272 C 4418	--Rihtniemi Range, front.	61° 05.6' N 21° 16.9' E	Iso.W. period 4s	45 14	9	Red rectangular daymark, yellow stripe.	Visible 115°06'-123°06'. Range 12M shown in fog.
17276 C 4418.1	---Rear, 119°06' from front.	61° 05.3' N 21° 18.2' E	Iso.W. period 12s	85 26	9	Red rectangular daymark, yellow stripe.	Visible 115°06'-123°06'. Range 14M shown in fog. Synchronized with front.
17280 C 4418.3	--Urmluoto Range, front.	61° 05.2' N 21° 21.1' E	Iso.W. period 2s	58 18	8	Red rectangular daymark, yellow field.	Visible 106°24'-114°24'. Range 13M shown in fog.
17284 C 4418.31	---Rear, 110°24' from front.	61° 05.0' N 21° 22.3' E	Iso.W. period 6s	110 34	8	Red rectangular daymark, yellow stripe.	Visible 106°24'-114°24'. Range 14M shown in fog. Synchronized with front.
17288 C 4418.5	--No 1.	61° 06.2' N 21° 16.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	43 13	4	PORT (A) R, mast, topmark.	
17296 C 4418.7	--No 3.	61° 06.0' N 21° 17.0' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	39 12	3	PORT (A) R, mast, topmark.	Range 5M shown in fog.
17304 C 4418.9	--No 5.	61° 05.8' N 21° 17.9' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	39 12	4	PORT (A) R, mast, topmark.	Range 5M shown in fog.
17308 C 4419	--Iso Jarviluoto Range, front.	61° 07.1' N 21° 25.8' E	Iso.G. period 2s	43 13	3	Red rectangular daymark, yellow stripe.	Visible 064°30'-072°30'. Range 10M shown in fog.
17312 C 4419.1	---Rear, 1100 meters 068°30' from front.	61° 07.3' N 21° 26.9' E	Iso.G. period 6s	135 41	10	Red rectangular daymark, yellow stripe.	Visible 064°30'-072°30'.
17316 C 4419.3	--No 6.	61° 05.8' N 21° 19.3' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	39 12	3	STARBOARD (A) G, mast, topmark.	Range 5M shown in fog.
17320 C 4419.4	--No 8.	61° 06.2' N 21° 21.1' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	39 12	3	STARBOARD (A) G, mast, topmark.	Range 5M shown in fog.
17321 C 4419.7	-Hakuni Range, front.	61° 07.6' N 21° 25.8' E	Iso.W. period 2s	62 19	6	Gray beacon.	Visible 024°-054°. Range 11M shown in fog.
17321.1 C 4419.71	--Rear, 039° from front.	61° 07.9' N 21° 26.3' E	Iso.W. period 6s	82 25	7	Gray beacon.	Visible 024°-054°. Synchronized with front. Range 11M shown in fog.
17321.5 C 4419.2	-Metsa-Rauma Range, front.	61° 06.9' N 21° 27.3' E	Q.R.	43 13	6	Red rectangular daymark, yellow stripe.	Visible 082°30'-090°30'.
17321.51 C 4419.21	--Rear, 230 meters 086°30' from front.	61° 06.9' N 21° 27.6' E	L.Fl.R. period 6s fl. 2s, ec. 4s	65 20	6	Red rectangular daymark, yellow stripe.	Visible 082°30'-090°30'.
17324 C 4421.6	-Kalapuda.	61° 08.0' N 21° 16.3' E	Q.(5)Y. period 6s	39 12	2	White pillar, red band.	Radar reflector.
17328 C 4421	-Kylmapihlaja.	61° 08.7' N 21° 18.2' E	Fl.(4)W. period 45s fl. 1s, ec. 3.5s fl. 1s, ec. 3.5s fl. 1s, ec. 3.5s fl. 1s, ec. 30.5s	118 36	17	White tower, red top; 105.	Radar reflector.
17329 C 4421.4	--Range, front.	61° 08.6' N 21° 18.5' E	Q.W.	13 4	2	White rectangular daymark, red stripe.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF BOTHNIA							
17329.1 <i>C 4421.41</i>	--Rear, 207° from front.	61° 08.5' N 21° 18.4' E	Iso.W.R.G. period 3s	30	9	3 Red rectangular daymark, white stripe.	G. 028°-072°, W.-315°, R.-028°.
17330 <i>C 4421.5</i>	--Range, front.	61° 08.6' N 21° 18.1' E	Q.W.	23	7	6 Red rectangular daymark, yellow stripe.	Visible 059°30'-067°30'.
17330.1 <i>C 4421.51</i>	---Rear, 063°18' from front.	61° 08.7' N 21° 18.3' E	Q.W.	46	14	6 Red rectangular daymark, yellow stripe.	Visible 059°18'-067°18'. Synchronized with front.
17344 <i>C 4421.7</i>	-Kloppi.	61° 08.8' N 21° 18.9' E	Fl.W.R.G. period 2s fl. 0.2s, ec. 1.8s	26	8	5 White rectangular daymark; 20.	G. 046°-007°, W.-015°, R.-046°.
17346 <i>C 4421.8</i>	-Katalvalouttu Range, front.	61° 08.3' N 21° 19.5' E	Q.W.	26	8	3 Yellow rectangular daymark, red stripe.	Visible 091°30'-121°30'.
17346.1 <i>C 4421.81</i>	--Rear, 106°30' from front.	61° 08.2' N 21° 19.7' E	L.FI.W. period 6s	43	13	4 Yellow rectangular daymark, red stripe.	Visible 091°30'-121°30'.
17352 <i>C 4425</i>	-Pihlus Range, front.	61° 10.5' N 21° 21.0' E	Q.W.	27	8	3 White rectangular daymark, red stripe; 10.	Visible 317°-349°.
17356 <i>C 4425.1</i>	--Rear, 332°48' from front.	61° 10.6' N 21° 20.9' E	L.FI.W. period 6s	49	15	3 Red rectangular daymark, yellow stripe; 39.	Visible 317°-349°.
17358 <i>c 4437</i>	-Pajukari Range, front.	61° 08.1' N 21° 23.5' E	Q.W.	38	12	4 White rectangular daymark, red stripe.	Visible 149°-157°.
17358.1 <i>c 4437.01</i>	--Rear, 152°48' from front.	61° 07.9' N 21° 23.7' E	L.FI.W. period 6s fl. 2s, ec. 4s	58	18	5 White rectangular daymark, red stripe.	Visible 149°-157°.
17360 <i>C 4424</i>	-Suokari Range, front.	61° 09.7' N 21° 23.2' E	Q.Y.	27	8	8 White rectangular daymark, red stripe.	Visible 098°48'-106°48'.
17364 <i>C 4424.1</i>	--Rear, 1482 meters 102°48' from front.	61° 09.5' N 21° 24.8' E	L.FI.Y. period 8s fl. 2s, ec. 6s	70	21	8 White rectangular daymark, red stripe.	Visible 098°48'-106°48'.
17368 <i>C 4430</i>	-Valkeakari Range, front.	61° 09.5' N 21° 21.8' E	Q.W.	16	5	3 Red rectangular daymark, yellow stripe.	Visible 294°-326°.
17372 <i>C 4430.1</i>	--Rear, on rock, 309°42' from front.	61° 09.6' N 21° 21.7' E	L.FI.W. period 6s fl. 2s, ec. 4s	33	10	3 Red rectangular daymark, yellow stripe.	Visible 294°-326°.
17392 <i>C 4432.3</i>	-Petajas Range, front.	61° 08.2' N 21° 26.5' E	Q.W.	19	6	8 Yellow rectangular daymark, red stripe.	Visible 098°30'-106°30'.
17396 <i>C 4432.31</i>	--Rear, 102°36' from front.	61° 08.1' N 21° 26.7' E	L.FI.W. period 6s fl. 2s, ec. 4s	46	14	8 Yellow rectangular daymark, red stripe.	Visible 098°30'-106°30'.
17406 <i>C 4434</i>	-Satama Range, front.	61° 07.7' N 21° 27.6' E	F.R.	62	19	1 Gray beacon.	Visible 337°30'-167°30'.
17406.1 <i>C 4434.1</i>	--Rear, 073°06' from front.	61° 07.7' N 21° 27.9' E	F.R.	95	29	1 Gray beacon.	Visible 337°30'-167°30'.
17407 <i>C 4435</i>	-Martinkarta.	61° 07.6' N 21° 27.9' E	F.G.	16	5	1 Post, green triangular daymark point up.	
17436 <i>C 4406</i>	Kalla.	61° 16.1' N 21° 21.2' E	Fl.W.R.G. period 5s fl. 0.5s, ec. 4.5s	34	10	7 Gray structure.	R. 007°-036°, G.-093°, W.-184°, R.-215°, G.-252°, W.-007°.
17438 <i>C 4404</i>	Fransinkari Range, front.	61° 21.8' N 21° 24.9' E	Q.W.	16	5	4 Red rectangular daymark, white stripe.	Visible 057°-065°.
17438.1 <i>C 4404.1</i>	-Rear, 061° from front.	61° 22.0' N 21° 25.8' E	L.FI.W. period 6s fl. 2s, ec. 4s	53	16	5 Red rectangular daymark, white stripe.	Visible 057°-065°.
17440 <i>C 4399</i>	Viasvesi Range, front.	61° 28.0' N 21° 33.9' E	F.W.	20	6	8 White rectangular daymark, red band.	Visible 095°30'-099°30'.
17444 <i>C 4399.1</i>	-Rear, 366 meters 097°30' from front.	61° 27.8' N 21° 34.6' E	F.W.	75	23	8 White rectangular daymark, red band.	Visible 095°30'-099°30'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF BOTHNIA							
17448 C 4398	Sappi.	61° 28.7' N 21° 20.8' E	Fl.(2+1)W. period 30s fl. 0.7s, ec. 3.1s fl. 0.7s, ec. 13.9s fl. 0.7s, ec. 10.9s	114 35	10	White round tower; 102.	
17452 C 4374	Kajakari.	61° 36.9' N 21° 21.4' E	Fl.(2)W. period 20s fl. 0.5s, ec. 2s fl. 0.5s, ec. 17s	75 23	10	White round tower, red band.	
17456 C 4376	Kallo Range, front.	61° 35.8' N 21° 27.5' E	Iso.W.R.G. period 2s	46 14	9	White tower.	G. 106°-123°, W.-128°, R.- 155°, G.-195°, W.-208°, R.-264°. Pilot station. Radiobeacon , about 183 meters SSW.
17460 C 4376.1	-Uniluoto, Pori approach, rear, 792 meters 124°54' from front.	61° 35.4' N 21° 28.5' E	Iso.W. period 4s	89 27	5	Yellow rectangular daymark, red stripe.	Visible 108°30'-140°30'.
17462 C 4382	Morris.	61° 34.8' N 21° 24.7' E	Fl.(2)R. period 6s fl. 0.3s, ec. 1.9s fl. 0.3s, ec. 3.5s	43 13	4	Red beacon.	Radar reflector.
	RACON		T(-)		10		(3 & 10cm).
17463 C 4384.5	Levo Range, front.	61° 35.3' N 21° 30.1' E	Iso.W. period 4s	28 9	11	Gray square beacon.	Visible 070°-074°30'. Range 7M by day, visible 067°-077°. Shown on request.
17463.1 C 4384.51	-Rear, 072°36' from front.	61° 35.4' N 21° 31.0' E	Iso.W. period 12s	85 26	14	Gray square beacon.	Visible 070°30'-074°30'. Range 8M by day, visible 067°-077°. Shown on request.
17464 C 4388	Vassikkaniemi (Mantyluoto) Range, front.	61° 36.0' N 21° 30.0' E	Q.Y.	47 14	5	White rectangular daymark, red field.	Visible 108°-145°.
17468 C 4388.1	-Rear, 126° from front.	61° 35.6' N 21° 29.6' E	L.F.I.Y. period 6s fl. 2s, ec. 4s	77 23	5	White rectangular daymark, red stripe.	Visible 108°-145°.
17472 C 4390	-Kirrinsanta Range, front.	61° 36.0' N 21° 30.0' E	FR.	30 9	2	Orange rectangular daymark.	
17476 C 4390.1	--Rear, 350 meters 089° from front.	61° 35.8' N 21° 30.5' E	FR.	33 10	2	Orange rectangular daymark.	
REPOSAARI:							
17480 C 4378	-Rafso.	61° 36.3' N 21° 27.1' E	Q.(4)W.R.G. period 6s	32 10	9	White round tower.	G. 291°-085°30', W.-091°, R.- 111°.
17484 C 4394	-Commercial Harbor Range, front.	61° 37.0' N 21° 27.0' E	FR.	44 13	1	Red rectangular daymark, yellow stripe.	Visible 215°30'-035°30'. The channel to Bjorneborg is marked by 3 F.R. lights on the N. and E. sides, and 3 F.W. lights on the S. and W. sides.
17488 C 4394.1	--Naval Harbor, rear, on quay, 685 meters 305°30' from front.	61° 37.1' N 21° 26.0' E	FR.	77 23	1	Red round beacon.	Visible 215°30'-035°30'.
17492 C 4369	Kupeli.	61° 38.1' N 21° 19.7' E	Fl.W.R.G. period 5s fl. 0.5s, ec. 4.5s	36 11	7	White mast, orange stripe.	W. 000°-090°, R.-222°, G.- 246°, W.-252°, R.-324°, G.-000°. Radar reflector.
	RACON		T(-)		9		(3 & 10cm).
17496 C 4384	Kallo-Tiepenger Range, front.	61° 36.0' N 21° 28.0' E	Q.W.	32 10	8	Red rectangular daymark, yellow stripe.	Visible 047°30'-055°30'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF BOTHNIA							
17500 C 4384.1	-Rear, 051°18' from front.	61° 37.0' N 21° 30.2' E	L.FI.W. period 6s fl. 2s, ec. 4s	98 30	10	Red rectangular daymark, yellow stripe.	Visible 049°-054°.
17504 C 4385	Kooshaka Range, front.	61° 37.0' N 21° 29.0' E	Q.Y.	17 5	4	Red rectangular daymark, yellow stripe.	Visible 029°30'-037°30'.
17508 C 4385.1	-Rear, 033°30' from front.	61° 37.3' N 21° 29.4' E	L.FI.Y. period 6s fl. 2s, ec. 4s	43 13	5	Red rectangular daymark, yellow stripe.	Visible 029°30'-037°30'.
17510 C 4366	Tahkoluoto Range, front.	61° 38.3' N 21° 23.5' E	Q.G.	43 13	10	Red rectangular daymark, yellow stripe.	Visible 129°-138°.
17510.1 C 4366.1	-Rear, 133°36' from front.	61° 37.9' N 21° 24.4' E	L.FI.G. period 6s	105 32	11	Red rectangular daymark, yellow stripe.	Visible 129°-138°.
17534 C 4365	Porin Majakka.	61° 42.4' N 21° 13.4' E	FI.W. period 12s fl. 0.5s, ec. 11.5s	62 19	10	Yellow structure, black top.	
	RACON		T(-)		11		(3cm).
17544 C 4356	Stakki Range, front.	61° 51.2' N 21° 18.5' E	Q.W.	35 11	5	Red rectangular daymark, yellow stripe.	Visible 076°30'-092°30'.
17548 C 4356.1	-Rear, 084°30' from front.	61° 51.3' N 21° 19.6' E	L.FI.W. period 6s fl. 2s, ec. 4s	53 16	6	Red rectangular daymark, yellow stripe.	Visible 076°30'-092°30'.
17600 C 4352	Malskeri Range, front.	61° 55.1' N 21° 20.4' E	Q.W.	39 12	6	Red rectangular daymark, yellow stripe.	Visible 024°-032°.
17604 C 4352.1	-Rear, 028° from front.	61° 55.5' N 21° 20.9' E	L.FI.W. period 6s fl. 2s, ec. 4s	69 21	7	Red rectangular daymark, yellow stripe.	Visible 024°-032°.
17608 C 4350	Kasala Range, front.	61° 56.7' N 21° 20.8' E	Q.W.	49 15	10	Red rectangular daymark, yellow stripe.	Visible 086°-090°.
17610 C 4350.1	-Rear, 088° from front.	61° 56.7' N 21° 21.3' E	L.FI.W. period 6s fl. 2s, ec. 4s	102 31	10	Red rectangular daymark, yellow stripe.	Visible 086°-090°.
17612 C 4351	-Merikarvia.	61° 55.8' N 21° 16.5' E	FI.(2)W. period 20s fl. 1.5s, ec. 2s fl. 1.5s, ec. 15s	52 16	7	Red mast, white band.	Radar reflector.
	-RACON		T(-)		10		(3 & 10cm).
17616 C 4348	Yttergrund.	61° 58.8' N 21° 17.6' E	L.FI.(3)W. period 30s fl. 2.5s, ec. 2.5s fl. 2.5s, ec. 2.5s fl. 2.5s, ec. 17.5s	143 44	16	White round tower, red top; 135.	Visible 336°-180°.
17628 C 4340	Sandskar-Ildgrund Range, front.	62° 07.9' N 21° 17.1' E	Q.R.	36 11	3	White rectangular daymark, red band.	Visible 075°-105°. Fishing light. Shown on request.
17632 C 4340.1	-Rear, 090° from front.	62° 07.9' N 21° 17.3' E	L.FI.R. period 6s fl. 2s, ec. 4s	46 14	3	White rectangular daymark, red band.	Visible 075°-105°. Fishing light. Shown on request.
KRISTINESTAD APPROACH:							
17648 C 4330	-Harkmeri Range, front.	62° 11.5' N 21° 19.5' E	Q.W.	30 9	7	Red rectangular daymark, yellow stripe.	Visible 067°30'-075°30'.
17652 C 4330.1	--Rear, 3148 meters 071°36' from front.	62° 12.0' N 21° 22.9' E	L.FI.W. period 6s fl. 2s, ec. 4s	80 24	8	Red rectangular daymark, yellow stripe.	Visible 067°30'-075°30'.
17662 C 4328.3	-Norra Storbadan.	62° 13.4' N 21° 14.8' E	U.Q.(5)W. period 6s	39 12	4	White metal mast.	Radar reflector.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF BOTHNIA							
17663 <i>C 4328.2</i>	-Kristiankaupunki.	62° 12.2' N 21° 10.2' E	Fl.(2)W. period 20s fl. 1s, ec. 15s	75 23	12	Black metal tower, yellow front. Helicopter platform.	
	-RACON		T(-)		12		(3 & 10cm).
17680 <i>C 4328</i>	-Batskar Range, front.	62° 14.8' N 21° 18.2' E	Q.W.	49 15	10	Red rectangular daymark, yellow stripe.	Visible 057°-061°.
17684 <i>C 4328.1</i>	--Rear, 059° from front.	62° 15.1' N 21° 19.3' E	L.Fl.W. period 6s fl. 2s, ec. 4s	112 34	11	Red rectangular daymark, yellow stripe.	Visible 057°-061°.
17708 <i>C 4318</i>	Salgrund.	62° 20.1' N 21° 11.1' E	L.Fl.W. period 30s fl. 3.2s, ec. 26.8s	99 30	16	Red round tower, white band; 82.	
17720	-Storremmargrund, RACON.	62° 19.8' N 21° 12.8' E	T(-)		11		(3 & 10cm).
17768 <i>C 4312</i>	Gashallan.	62° 34.4' N 21° 02.2' E	Fl.W.R.G. period 3s fl. 0.3s, ec. 2.7s	39 12	5		W. 009°-057°, R.-096°, G.-128°, W.-133°, R.-230°, G.-318°, W.-324°, R.-343°, G.-009°. Fishing light. Shown on request.
17769 <i>C 4298.5</i>	Ytterstgrund Range, front.	62° 40.1' N 21° 05.2' E	Q.W.	18 5	6	Red rectangular daymark, yellow stripe.	Visible 130°24'-134°24'.
17769.1 <i>C 4298.51</i>	-Rear, 132°24' from front.	62° 40.7' N 21° 05.8' E	L.Fl.W. period 6s fl. 2s, ec. 4s	66 20	7	Red rectangular daymark, yellow stripe.	Visible 130°24'-134°24'.
17770 <i>C 4298.6</i>	Halgrund Range, front.	62° 41.6' N 21° 05.3' E	Q.Y.	24 7	4	Yellow rectangular daymark, red stripe.	Visible 053°30'-061°30'.
17770.1 <i>C 4298.61</i>	-Rear, 057°30' from front.	62° 41.6' N 21° 05.5' E	L.Fl.Y. period 6s fl. 2s, ec. 4s	46 14	5	Yellow rectangular daymark, red stripe.	Visible 053°30'-061°30'.
17780 <i>C 4299.2</i>	Palnasgrynnan Range, front.	62° 45.2' N 21° 08.2' E	Q.W.	23 7	5	Yellow rectangular daymark, red stripe.	Visible 097°-105°. Fishing light. Shown on request.
17784 <i>C 4299.21</i>	-Rear, 101° from front.	62° 45.2' N 21° 08.9' E	L.Fl.W. period 8s fl. 2s, ec. 6s	33 10	6	Yellow rectangular daymark, red stripe.	Visible 097°-105°. Fishing light. Shown on request.
17800 <i>C 4300</i>	Lillgrund.	62° 49.1' N 21° 05.3' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	43 13	5	Red round tower.	Fishing light. Shown on request.
17804 <i>C 4302</i>	Svettgrund.	62° 52.1' N 21° 04.3' E	Fl.W.R.G. period 3s fl. 0.3s, ec. 2.7s	36 11	5		W. 200°-024°, R.-056°, G.-084°, W.-097°, R.-200°. Fishing light. Shown on request.
17808 <i>C 4302.02</i>	Norra Salhuvudet.	62° 54.0' N 21° 06.0' E	Fl.W.R.G. period 3s fl. 0.3s, ec. 2.7s	16 5	5	Yellow rectangular daymark.	G. 337°-007°, W.-010°, R.-040°, obsc.-153°, G.-183°, W.-186°, R.-216°. Fishing light. Shown on request.
17812 <i>C 4302.04</i>	Tredjedelssternarna.	62° 55.0' N 21° 07.0' E	Fl.W.R.G. period 3s fl. 0.3s, ec. 2.7s	16 5	5	White rectangular daymark.	G. 114°-144°, W.-147°, R.-177°. Fishing light. Shown on request.
17816 <i>C 4302.06</i>	Moikipaagrund.	62° 55.6' N 21° 05.6' E	Fl.W.R.G. period 3s fl. 0.3s, ec. 2.7s	16 5	5	White rectangular daymark.	G. 152°-182°, W.-186°, R.-216°. Fishing light. Shown on request.
17820 <i>C 4294</i>	Strommingbadan, on Norra Kallan.	62° 58.8' N 20° 44.4' E	L.Fl.(4)W.R. period 20s fl. 2s, ec. 2s fl. 2s, ec. 2s fl. 2s, ec. 2s fl. 2s, ec. 6s	53 16	13	White round tower, red top; 43.	W. 000°-170°, R.-200°, W.(unintensified)-310°, R.-000°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF BOTHNIA							
VAASA-RITGRUND APPROACH:							
17824 C 4224	-Ritgrund Beacon.	63° 25.5' N 21° 30.6' E	Fl.(2)W.R.G. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	82 25	9	Red column; 59.	W. 004°-065°, G.-115°, W.-180°, R.-245°, G.-004°.
17828 C 4238	-Truthallan Range, front.	63° 17.2' N 21° 31.9' E	Q.W.	43 13	8	Red rectangular daymark, yellow stripe.	Visible 169°-173°.
17832 C 4238.1	--Grillskar, rear, 1,111 meters. 171° from front.	63° 16.6' N 21° 32.1' E	L.Fl.W. period 6s fl. 2s, ec. 4s	75 23	9	Red rectangular daymark, yellow stripe.	Visible 169°-173°.
17836 C 4241	-Holmgrund Range, front.	63° 14.0' N 21° 27.9' E	Q.W.	35 11	7	Yellow rectangular daymark, red stripe.	Visible 191°-199°.
17840 C 4241.1	--Replot, rear, about 1,574 meters 195° from front.	63° 12.8' N 21° 27.2' E	L.Fl.W. period 6s fl. 2s, ec. 4s	82 25	9	Yellow rectangular daymark, red stripe.	Visible 191°-199°.
17844 C 4242	-Storgrund-Skjutskar Range, front.	63° 13.0' N 21° 30.0' E	Q.W.	19 6	3	Yellow rectangular daymark, red stripe.	Visible 147°-179°.
17848 C 4242.1	--Fjällskar Norre, rear, 1,111 meters 163° from front.	63° 12.3' N 21° 29.3' E	L.Fl.W. period 6s fl. 2s, ec. 4s	39 12	4	Yellow rectangular daymark, red stripe.	Visible 147°-179°.
17852 C 4243	-Ledsten Range, front.	63° 12.5' N 21° 28.9' E	Q.W.	16 5	3	Yellow rectangular daymark, red stripe.	Visible 172°30'-204°30'.
17856 C 4243.1	--Margetor, rear, about 2.0 kilometers 188°30' from front.	63° 11.3' N 21° 28.5' E	L.Fl.W. period 6s fl. 2s, ec. 4s	35 11	6	Yellow rectangular daymark, red stripe.	Visible 184°30'-192°30'.
17860 C 4244	-Kuisa Range, front.	63° 09.7' N 21° 26.6' E	Q.W.	23 7	4	Yellow rectangular daymark, red stripe.	Visible 182°30'-214°30'.
17864 C 4274	--Harmi, rear, 3.7 kilometers 198°30' from front light.	63° 07.8' N 21° 25.2' E	L.Fl.W. period 6s fl. 2s, ec. 4s	58 18	6	Yellow rectangular daymark, red stripe.	Visible 194°30'-202°30'.
			Q.W.	16 5	3		Visible 314°-346°.
17868 C 4245	-Berggrund Range, front.	63° 12.0' N 21° 28.0' E	Q.W.	13 4	4	Yellow rectangular daymark, red stripe.	Visible 019°-051°.
17872 C 4245.1	-Fjällskar, rear, about 1,574 meters 035° from front.	63° 12.3' N 21° 29.6' E	L.Fl.W. period 6s fl. 2s, ec. 4s	36 11	5	Yellow rectangular daymark, red stripe.	Visible 019°-051°.
17876 C 4246	-Vintervagsgrund Range, front.	63° 10.2' N 21° 25.4' E	Q.W.	20 6	3	Yellow rectangular daymark, red stripe.	Visible 342°30'-014°30'.
17880 C 4246.1	--Rear, Espskar, about 2.6 kilometers 358°30' from front.	63° 11.6' N 21° 25.3' E	L.Fl.W. period 6s fl. 2s, ec. 4s	43 13	6	Yellow rectangular daymark, red stripe.	Visible 354°30'-002°30'.
17884 C 4264.5	Stigelskar Range, front.	63° 09.0' N 21° 25.0' E	Q.Y.	46 14	10	Red rectangular daymark, yellow stripe.	Visible 070°06'-078°06'.
17888 C 4264.51	-Rear, 074°06' from front.	63° 09.1' N 21° 27.7' E	L.Fl.Y. period 6s fl. 2s, ec. 4s	108 33	11	Red rectangular daymark, yellow stripe.	Visible 070°06'-078°06'.
17892 C 4269.3	Furugrund Range, front.	63° 10.0' N 21° 16.0' E	Q.W.	16 5	3	Yellow three-sided beacon, red stripe.	Visible 000°-032°. Shown on request.
17896 C 4269.31	-Rear, 016° from front.	63° 09.8' N 21° 15.9' E	L.Fl.W. period 6s fl. 2s, ec. 4s	23 7	3	Yellow three-sided beacon, red stripe.	Visible 000°-032°. Shown on request.
17900 C 4264.3	Storkobben Range, front.	63° 06.1' N 21° 17.0' E	Fl.Y. period 2s fl. 0.3s, ec. 1.7s	16 5	6	Red rectangular daymark, yellow stripe.	Visible 105°-113°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF BOTHNIA							
17904 C 4264.31	-Rear, about 1620 meters from front.	109° 63° 05.7' N 21° 18.8' E	L.F.I.Y. period 8s fl. 2s, ec. 6s	64 20	7	Red rectangular daymark, yellow stripe.	Visible 109°-113°.
17908 C 4252	-Ostra Norrskar, S. side of NE. point of island.	63° 14.8' N 20° 41.5' E	Fl.(4)W.R.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	39 12	7	Black square concrete tower, white band.	G. 110°-139°, W.-206°, R.-218°, G.-233°, W.-317°, R.-342°.
VAASA-WEST APPROACH:							
17912 C 4250	-Norrskar.	63° 14.0' N 20° 36.2' E	L.FI.(1+2)W. period 60s fl. 6s, ec. 21s fl. 3s, ec. 6s fl. 3s, ec. 21s	105 32	16	Black round tower, white band.	
			L.FI.W. period 6s fl. 2s, ec. 4s	108 33	9		Visible 278°30'-282°30'. In line 280°30' with 17913.
17912.5 C 4253.5	-Lotsgrund.	63° 11.1' N 20° 43.0' E	Fl.G. period 3s	41 12	5	STARBOARD (A) G, beacon, topmark.	Radar reflector.
17913 C 4250.5	--Range, front.	63° 13.7' N 20° 40.5' E	Fl.W. period 2s fl. 0.5s, ec. 1.5s	33 10	9	Red rectangular daymark, yellow stripe.	Visible 278°30'-282°30'. In line 280°30' with 17912.
17916 C 4251	-Norkallan.	63° 14.3' N 20° 34.9' E	Fl.W.R.G. period 5s fl. 0.5s, ec. 4.5s	33 10	6	Red round concrete tower.	R. 215°-327°, G.-354°, W.-215°. Radar reflector.
17920 C 4253	-Fletagrund Range, front.	63° 14.0' N 20° 37.0' E	Q.W.	19 6	5	Red rectangular daymark, yellow stripe.	Visible 165°30'-173°30'.
17924 C 4253.1	--Rear, about 68 meters from front.	63° 14.1' N 20° 37.4' E	L.FI.W.R.G. period 6s fl. 2s, ec. 4s	34 10	5	Red rectangular daymark, yellow stripe.	G. 006°-025°, W.-035°, R.-059°30', R. 079°30'-111°, G. 134°-165°30', W.-173°30', R.-182°, G. 339°-347°, W.-352°, R.-006°.
17928 C 4261	-Vaasa.	63° 14.4' N 20° 55.7' E	Fl.(2)W.R.G. period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	66 20	12	White round metal tower, red top.	R. 354°-055°, G.-061°, W.-065°, R.-105°, G.-116, W.-354°. Radar reflector.
	-RACON		T(-)		10		(3 & 10cm).
17932 C 4253.8	-Dersiskargrund.	63° 04.0' N 20° 49.0' E	Fl.W.R.G. period 3s fl. 0.3s, ec. 2.7s	20 6	5	White round beacon.	G. 356°-018°, W.-021°, R.-030°.
17937 C 4254	-Ronnskarbaden Range, front.	63° 04.4' N 20° 49.3' E	Q.W.	26 8	7	Red rectangular daymark, yellow stripe.	Visible 057°30'-065°30'.
17937.1 C 4254.1	--Rear, 061°30' from front.	63° 04.6' N 20° 50.3' E	L.FI.W. period 6s fl. 2s, ec. 4s	62 19	7	Red rectangular daymark, yellow stripe.	Visible 057°30'-065°30'.
	--Auxiliary light.		Fl.W.R.G. period 3s fl. 0.3s, ec. 2.7s	33 10	3		G. 002°-017°, W.-027°, R.-044°.
17940 C 4292	-Tummelso Range, front.	63° 04.0' N 20° 51.0' E	Q.R.	16 5	2	Red rectangular daymark, yellow stripe.	Visible 086°-117°.
17944 C 4292.1	--Rear, 213 meters from front.	63° 04.1' N 20° 51.0' E	L.FI.R. period 6s fl. 2s, ec. 4s	26 8	2	Red rectangular daymark, yellow stripe.	Visible 086°-117°.
17946 C 4258	-Medelbadan Range, front.	63° 05.7' N 20° 50.3' E	Q.W.	20 6	7	Red rectangular daymark, yellow stripe.	Visible 259°30'-267°30'.
17946.1 C 4257.5	--Rear, 262°30' from front.	63° 05.5' N 20° 46.0' E	L.FI.W. period 8s fl. 2s, ec. 6s	92 28	9		Visible 258°-268°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF BOTHNIA							
17948 C 4256	-Djupskar Range, front.	63° 06.0' N 20° 49.0' E	Q.W.R.G.	13	5	White round tower, red stripe.	G. 290°30'-307°, W.-314°, R.-332°, W.-044°.
17952 C 4256.1	--Rear, Lilla Svartbadan, 1482 meters 020°30' from front.	63° 06.9' N 20° 49.9' E	L.FI.W. period 6s fl. 2s, ec. 4s	26	8	Yellow rectangular daymark, red stripe.	Visible 017°-025°.
17964 C 4259	-Veckargrund.	63° 06.0' N 20° 50.0' E	Fl.W.R.G. period 3s fl. 0.3s, ec. 2.7s	26	8	White round tower.	W. 026°-059°, G. 065°-075°, W.-086°, R.-103°, G.-108°, W.-193°.
17968 C 4291	-Svartsen.	63° 05.5' N 20° 53.0' E	Fl.W.R.G. period 3s fl. 1s, ec. 2s	20	6	Red rectangular daymark.	G. 071°-098°, W.-099°, R.-133°30', W.-161°30'.
17970	-Skvattan, RACON.	63° 07.8' N 20° 49.8' E	T(-)		10		(3 & 10cm).
17972 C 4265	--Tjarnbadan.	63° 03.0' N 21° 18.0' E	F.R.	16	5	Yellow triangular daymark point up, red stripe.	Visible 118°-151°. Fishing light. Shown on request.
17976 C 4264	-Gasgrund Range, front.	63° 06.5' N 21° 10.5' E	Fl.W. period 2s fl. 0.3s, ec. 1.7s	23	7	Red rectangular daymark, yellow stripe.	Visible 134°-142°. Radar reflector.
	-RACON		T(-)		10		(3 & 10cm).
17980 C 4264.1	--Rear, 4.1 km. 137°48' from front.	63° 05.1' N 21° 13.3' E	L.FI.W. period 8s fl. 2s, ec. 6s	108	33	Red rectangular daymark, yellow stripe.	Visible 134°-142°.
			Fl.Y. period 3s fl. 0.3s, ec. 2.7s	39	12		Visible 225°-090°. Fishing light. Shown on request.
17984 C 4268	-Malvetungsgrynnan.	63° 10.0' N 21° 11.0' E	Fl.W.R.G. period 3s fl. 0.3s, ec. 2.7s	23	W. 5 R. 1 G. 1	Gray structure.	G. 030°-119°, W.-125°, R.-200°, G.-286°, W.-289°, R.-299°, G.-311°, W.-317°, R.-030°. Fishing light. Shown on request.
18016 C 4272.5	Graskal.	63° 08.0' N 21° 20.0' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	39	12	STARBOARD (A) G, beacon, topmark.	Radar reflector.
18024 C 4273	Stengrund.	63° 07.0' N 21° 21.0' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	39	12	Red framework tower, red rectangular daymark.	Radar reflector.
18028 C 4275	Kopparfuruskar Range, front.	63° 08.0' N 21° 26.0' E	Q.W.	46	11	Yellow rectangular daymark, red stripe.	Visible 077°-085°.
18032 C 4275.1	--Rear, 1,019 meters 081°30' from front.	63° 08.2' N 21° 26.8' E	L.FI.W. period 6s fl. 2s, ec. 4s	92	12	Yellow rectangular daymark, red stripe.	Visible 077°-085°.
18036 C 4275.5	-Norra Hasten.	63° 07.0' N 21° 22.6' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26	8	Round red concrete tower.	Visible 272°30'-137°30'. Radar reflector.
18040 C 4276	-Nagelprick Range, front.	63° 07.0' N 21° 22.0' E	Q.Y.	16	5	Red rectangular daymark, yellow stripe.	Visible 107°30'-115°30'. Radar reflector.
	-Storhasten.		Fl.G. period 3s fl. 0.3s, ec. 2.7s	28	9		
18044 C 4276.1	--Rear, Nagelprick, on submerged rock, 111°30' from front.	63° 06.0' N 21° 27.0' E	L.FI.Y. period 6s fl. 2s, ec. 4s	92	28	Red rectangular daymark, yellow stripe.	Visible 107°30'-115°30'.
18045 C 4275.2	-Storhasten Range, front.	63° 06.7' N 21° 22.0' E	Q.W.	16	5	Red rectangular daymark, yellow stripe.	Visible 125°-157°.
18045.1 C 4275.3	--Rear, 510 meters 141° from front.	63° 06.5' N 21° 22.4' E	L.FI.W. period 6s fl. 2s, ec. 4s	36	11	Red rectangular daymark, yellow stripe.	Visible 125°-157°.

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FINLAND-GULF OF BOTHNIA							
18048 C 4280.3	Jussi.	63° 04.9' N 21° 34.4' E	V.Q.(2)W.R.G. period 3s	23 7	5	Gray metal mast, concrete base.	G. 099°-109°, W.-113°, R.-118°.
18052 C 4280	-Edvard Range, front.	63° 05.0' N 21° 33.0' E	Q.W.	13 4	4	White lantern.	Visible 128°-255°.
18056 C 4280.1	--Nikolai, N. side of Sundomland, rear, 366 meters 187°30' from front.	63° 04.7' N 21° 32.8' E	L.FI.W. period 6s	23 7	3	White round daymark.	Visible 155°-255°.
18076 C 4262	-Norra Gloppsten.	63° 10.4' N 21° 02.4' E	FI.W.R.G. period 2s fl. 0.5s, ec. 1.5s	52 16	7	White round concrete tower, red band.	R. 009°-117°, G.-143°, W.-147°, R.-255°30', G.-316°, W.-318°30', R.-331°30', G.-009°. Radar reflector.
18080 C 4236	Korso.	63° 11.3' N 21° 08.6' E	FI.W.R.G. period 5s fl. 0.5s, ec. 4.5s	85 26	10	Black round concrete tower, white base, lantern.	R. 328°-035°, G.-098°, W.-102°, R.-110°, G.-143°, R.-178°.
18084 C 4271	Lillhamnen Range, front.	63° 13.0' N 21° 09.0' E	Oc.W. period 2s lt. 1.5s, ec. 0.5s	58 18	6	Red rectangular daymark, yellow stripe.	Visible 026°30'-058°30'.
18088 C 4271.1	-Rear, 042°30' from front.	63° 12.7' N 21° 08.9' E	L.FI.W. period 6s fl. 2s, ec. 4s	89 27	6	Red rectangular daymark, yellow stripe.	Visible 026°30'-058°30'.
18092 C 4271.3	Lustsiasema (pilot station), front.	63° 12.7' N 21° 08.7' E	Q.Y.	17 5	3	Yellow three-sided beacon.	Visible 006°30'-038°30'.
18096 C 4271.31	-Rear, 022°30' from front.	63° 12.7' N 21° 08.7' E	L.FI.Y. period 6s fl. 2s, ec. 4s	30 9	3	Yellow three-sided beacon.	Visible 006°30'-038°30'.
18100 C 4271.4	Aallonmurtaja (jetty) Range, front.	63° 12.7' N 21° 08.6' E	Q.W.	19 6	6	Yellow rectangular daymark, red stripe.	Visible 113°-145°.
18104 C 4271.41	-Rear, 129° from front.	63° 12.7' N 21° 08.7' E	L.FI.W. period 6s fl. 2s, ec. 4s	36 11	6	Yellow rectangular daymark, red stripe.	Visible 113°-145°.
18108 C 4233	Klubbhallan.	63° 20.0' N 21° 01.0' E	FI.W.R.G. period 4s fl. 0.5s, ec. 3.5s	29 9	5	Gray rectangular daymark.	W. 001°-013°, R.-038°, G.-074°, W.-142°, R.-282°, G.-312°, W.-322°, R.-352°, G.-001°. Fishing light. Shown on request.
18112 C 4235.5	Klubbskat fishing harbor Range, front.	63° 18.0' N 21° 06.0' E	Q.Y.	16 5	3	Yellow triangular daymark point up, red stripe.	Visible 126°30'-158°30'. Fishing light. Shown on request.
18116 C 4235.51	-Rear, 73 meters 142°30' from front.	63° 18.3' N 21° 06.1' E	L.FI.Y. period 6s fl. 2s, ec. 4s	26 8	3	Yellow triangular daymark point down, red stripe.	Visible 126°30'-158°30'. Fishing light. Shown on request.
18120 C 4234.5	Radskarsbadan Range, front.	63° 19.0' N 21° 06.0' E	Q.Y.	23 7	6	Red rectangular daymark, yellow stripe.	Visible 045°-049°. Fishing light. Shown on request.
18124 C 4234.51	-Rear, 1,259 meters 047° from front.	63° 19.8' N 21° 07.6' E	L.FI.Y. period 6s fl. 2s, ec. 4s	56 17	7	Red rectangular daymark, yellow stripe.	Visible 045°-049°. Fishing light. Shown on request.
18128 C 4235	Klubbskat.	63° 18.0' N 21° 05.0' E	FI.W.R.G. period 3s fl. 0.3s, ec. 2.7s	36 11	5	Stone tower, white lantern.	G. 013°-069°, W.-090°, R.-193°. Fishing light. Shown on request.
BJORKOBY:							
18140 C 4230	-Ytterstoren Range, front.	63° 23.0' N 21° 17.0' E	Q.W.	23 7	4	Red rectangular daymark, yellow stripe.	Visible 160°-168°. Fishing light. Shown on request.
18144 C 4230.1	--Rear, Svartbadan 1.6 km. 164° from front.	63° 21.7' N 21° 17.7' E	L.FI.W. period 6s fl. 2s, ec. 4s	52 16	5	Red rectangular daymark, yellow stripe.	Visible 160°-168°. Fishing light. Shown on request.

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FINLAND-GULF OF BOTHNIA							
18148 C 4226	Valassaaret, W. side of Storskaret.	63° 25.3' N 21° 04.1' E	Fl.(4)W. period 20s fl. 0.8s, ec. 3s fl. 0.8s, ec. 3s fl. 0.8s, ec. 3s fl. 0.8s, ec. 7.8s	124 38	11	Red round tower; 118.	
18152 C 4227	Ebbskar Range, front.	63° 26.2' N 21° 04.1' E	Q.W.	20 6	7	Red rectangular daymark, yellow stripe.	Visible 118°-126°.
18156 C 4227.1	-Rear, 302 meters 122° from front.	63° 26.1' N 21° 04.5' E	L.Fl.W. period 6s fl. 2s, ec. 4s	43 13	7	Red rectangular daymark, yellow stripe.	Visible 118°-126°.
18160 C 4228	Norra Storön Range, front.	63° 26.0' N 21° 04.0' E	Q.Y.	16 5	2	Red rectangular daymark, yellow stripe.	Visible 089°30'-121°30'.
18164 C 4228.1	-Rear, 210 meters 105°30' from front.	63° 26.2' N 21° 04.7' E	L.Fl.Y. period 6s fl. 2s, ec. 4s	29 9	3	Red rectangular daymark, yellow stripe.	Visible 089°30'-121°30'.
18168 C 4229	Stora Nikersgrund.	63° 23.0' N 21° 10.0' E	Fl.W.R.G. period 3s fl. 0.3s, ec. 2.7s	23 7	5	White lantern, concrete base.	G. 100°-109°, W.-115°, R.-100°. Fishing light. Shown on request.
18172 C 4248	Utgrynnan.	63° 21.1' N 20° 45.8' E	L.Fl.W.R.G. period 12s fl. 3s, ec. 9s	79 24	12	Red round concrete tower, white band.	R. 029°-037°, G.-044°, W.-056°, R.-063°, G.-069°, W.-158°, R.-338°, G.-355°, W.-029°.
	RACON		T(-)		12		(3 & 10cm).
18174 C 4222	Malon.	63° 18.2' N 21° 52.3' E	Fl.W.R. period 4s fl. 0.5s, ec. 3.5s	26 8	5	Gray pole.	R. 157°-162°, W. 162°-157°. Fishing light. Shown on request.
18176 C 4219	Stubben, center of Lillskar Islet.	63° 31.5' N 22° 09.5' E	L.Fl.(3)W. period 30s fl. 2.5s, ec. 2.5s fl. 2.5s, ec. 2.5s fl. 2.5s, ec. 17.5s	70 21	11	White rectangular daymark.	Visible 346°-302°.
18180 C 4220	Remsan.	63° 31.0' N 22° 17.0' E	Fl.W.R.G. period 4s fl. 0.5s, ec. 3.5s	25 8	5	Red metal framework tower.	R. 008°-029°, G.-149°, W.-159°, R.-192°, G.-328°, W.-008°. Fishing light. Shown on request.
18184 C 4217	-Grisselo.	63° 37.0' N 22° 29.0' E	Fl.W.R.G. period 4s fl. 0.5s, ec. 3.5s	16 5	5	Gray pole.	G. 055°-090°, W.-097°, R.-104°, W.-169°, R.-177°, G.-185°, W.-055°. Fishing light. Shown on request.
18188 C 4218	Hallgrund.	63° 38.6' N 22° 25.2' E	Fl.(2)W.R.G. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	56 17	7	White round tower.	W. 119°-189°, R.-192°, G.-196°, W.-203°, R.-312°, G.-345°, W.-013°.
JAKOBSTAD APPROACH:							
18192 C 4216.7	-Nummersten.	63° 41.0' N 22° 34.2' E	Q.W.	16 5	5	Gray pole.	Fishing light. Shown on request.
18196 C 4214	-Kallan.	63° 45.1' N 22° 31.4' E	Q.(2)W.R.G. period 6s	82 25	10	Red tower, white band; 62.	G. 342°-047°, W.-160°, R.-209°. Pilot station.
18197 C 4214.3	-Pietarsaari.	63° 44.6' N 22° 31.7' E	Fl.W. period 12s fl. 0.3s, ec. 11.7s	56 17	10	Yellow concrete tower, black top.	
	-RACON		T(-)		10		(3 & 10cm).
18200 C 4212	-Rummelgrund Range, front.	63° 44.7' N 22° 34.7' E	Q.W.	39 12	9	Red rectangular daymark, yellow stripe.	Visible 085°-093°.

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FINLAND-GULF OF BOTHNIA							
18204 C 4212.1	--Rear, Bredhallan, N. side, 089° from front.	63° 44.7' N 22° 35.4' E	L.F.I.W. period 6s fl. 2s, ec. 4s	75 23	10	Red rectangular daymark, yellow stripe.	Visible 085°-093°.
18206 C 4215	-Adon Range, front.	63° 43.4' N 22° 37.1' E	Q.Y.	33 10	6	Red rectangular daymark, yellow stripe.	Visible 116°-124°.
18207 C 4215.1	--Rear 130 meters 120° from front.	63° 43.4' N 22° 37.4' E	L.F.I.Y. period 6s	52 16	9	Red rectangular daymark, yellow stripe.	Visible 116°-124°.
18208 C 4216	-Borgmastargrund, front.	63° 43.1' N 22° 42.1' E	Q.R.	39 12	8	Red rectangular daymark, yellow stripe.	Visible 102°48'-110°48'.
18212 C 4216.1	--Rear, Halloren, N. extremity of Alholm, about 1.1 km. 106°48' from front.	63° 43.0' N 22° 42.7' E	L.F.I.R. period 6s fl. 2s, ec. 4s	66 20	9	Red rectangular daymark, yellow stripe.	Visible 104°48'-108°48'.
18216 C 4216.4	-Alholm Range, front.	63° 42.5' N 22° 41.3' E	F.R.	26 8	3	Red triangular daymark point up.	Visible 154°30'-184°30'.
18220 C 4216.5	--Rear, 169°30' from front.	63° 42.5' N 22° 41.4' E	F.R.	33 10	3	Red triangular daymark point down.	Visible 154°30'-184°30'.
YKSPIHLAJA:							
18224 C 4200	-Tankar.	63° 57.0' N 22° 50.8' E	Fl.W. period 3.5s fl. 0.5s, ec. 3s	124 38	17	Red round metal tower, white band; 97.	Pilot station.
18228 C 4201	-Tankar, E. side of island.	63° 57.0' N 22° 51.0' E	Iso.G. period 2s	33 10	6	Red rectangular daymark, yellow stripe.	Visible 281°30'-296°30'.
18232 C 4202	-Range, front.	63° 57.1' N 22° 50.7' E	Iso.W. period 2s	42 13	6	White rectangular daymark, black stripe.	Visible 107°48'-197°48'.
18236 C 4202.1	--Rear, 152°48' from front.	63° 57.0' N 22° 51.0' E	Iso.W. period 6s	66 20	9	Red round beacon.	Visible 146°48'-158°48'.
18237 C 4202.4	-Tankarin Range, front.	63° 57.0' N 22° 51.0' E	Q.G.	23 7	5	Mast.	Visible 181°24'-185°24'.
18237.1 C 4202.41	--Rear, 183°24' from front.	63° 57.0' N 22° 51.2' E	L.F.I.G. period 6s fl. 2s, ec. 4s	33 10	5	Mast.	Visible 181°24'-185°24'.
18238	-Bergbadan, RACON.	63° 57.8' N 22° 53.7' E	T(-)		11		(3cm).
18240 C 4203	-Kokkola.	63° 59.8' N 22° 51.8' E	Fl.(2)W.R.G. period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	73 22	12	White tower, red top; 75. Helicopter platform.	W. 065°-199°, R.-327°, G.- 065°. Channel to Kokkola marked by lighted beacons and buoys.
	-RACON		T(-)		12		(3 & 10cm).
18242 C 4203.2	-Pietarinkanta.	63° 59.2' N 22° 51.4' E	V.Q.(5)W. period 6s	39 12	4	White framework tower, red band.	Radar reflector.
18244 C 4205	-Repskar Range, front.	63° 55.9' N 22° 56.7' E	Q.W.	30 9	11	Red rectangular daymark, yellow stripe.	Visible 146°54'-166°54'.
18248 C 4205.1	--Rear, 1,500 meters 156°54' from front.	63° 55.2' N 22° 57.5' E	L.F.I.W. period 8s fl. 2s, ec. 6s	62 19	11	Red rectangular daymark, yellow stripe.	Visible 146°54'-166°54'.
18252 C 4204	-Santapankki Range, front.	63° 56.9' N 22° 56.4' E	Q.Y.	16 5	9	Red rectangular daymark, yellow stripe.	Visible 136°42'-144°42'.
18256 C 4204.1	--Rear, about 1,900 meters 140°42' from front.	63° 56.1' N 22° 57.8' E	L.F.I.Y. period 6s fl. 2s, ec. 4s	69 21	10	Red rectangular daymark, yellow stripe.	Visible 136°42'-144°42'.
18258 C 4203.4	-Trullevin Range, front.	63° 54.8' N 23° 04.5' E	Q.W.	13 4	6	White triangular daymark point up.	Visible 143°30'-147°30'. Fishing light.

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FINLAND-GULF OF BOTHNIA							
18258.1 <i>C 4203.41</i>	--Rear, 145° from front.	63° 54.7' N 23° 04.7' E	L.F.I.W. period 6s fl. 2s, ec. 4s	26 8	7	Structure, white triangular daymark point down.	Visible 143°30'-147°30'. Fishing light.
18260 <i>C 4206</i>	-Kladesklippan Range, front.	63° 54.0' N 23° 01.1' E	Iso.Y. period 2s	23 7	10	Red rectangular daymark, yellow stripe.	Visible 132°42'-143°42'.
18264 <i>C 4206.1</i>	--Rear, 1111 meters 138°12' from front.	63° 53.6' N 23° 01.9' E	L.F.I.Y. period 6s fl. 2s, ec. 4s	62 19	13	Red rectangular daymark, yellow stripe.	Visible 132°42'-143°42'.
18268 <i>C 4207</i>	-Taulukari Range, front.	63° 51.5' N 23° 01.0' E	Iso.Y. period 2s	69 21	10	Red rectangular daymark, yellow stripe.	Visible 151°-171°.
18272 <i>C 4207.1</i>	--Rear, 1,436 meters 161° from front.	63° 50.8' N 23° 01.6' E	Iso.Y. period 6s	98 30	10	Red rectangular daymark, yellow stripe.	Visible 151°-171°.
18274 <i>C 4211.5</i>	-Outokumpu Range, front.	63° 51.6' N 23° 02.5' E	F.R.	37 11	5	White rectangular daymark, red stripe.	Visible 053°30'-183°30'.
18275 <i>C 4211.51</i>	--Rear, 118°30' from front.	63° 51.5' N 23° 02.7' E	F.R.	58 18	5	White rectangular daymark, red stripe.	Visible 053°30'-183°30'.
18276 <i>C 4208</i>	-Krakholm Range, front.	63° 50.6' N 22° 59.8' E	Q.W.	20 6	8	Red rectangular daymark, yellow stripe.	Visible 193°36'-197°36'.
18280 <i>C 4208.1</i>	--Rear, about 370 meters 195°36' from front.	63° 50.2' N 22° 59.5' E	L.F.I.W. period 6s	49 15	9	Red rectangular daymark, yellow stripe.	Visible 193°36'-197°36'.
18292 <i>C 4211</i>	-Private harbor Range, front.	63° 49.8' N 23° 02.3' E	Iso.W. period 2s	26 8	8	White rectangular daymark, red stripe.	Visible 141°-149°.
18296 <i>C 4211.1</i>	--Rear, about 229 meters 145° from front.	63° 49.7' N 23° 02.5' E	L.F.I.W. period 6s	36 11	8	White rectangular daymark, red stripe.	Visible 141°-149°.
18300 <i>C 4209</i>	-Breakwater, head.	63° 51.2' N 23° 00.3' E	F.Y.	30 9	3	White round tower.	Visible 320°-260°.
18304 <i>C 4199</i>	Poroluodonkari.	63° 58.8' N 23° 08.8' E	FL.Y. period 3s fl. 0.3s, ec. 2.7s	66 20	4	Gray post.	Fishing light. Shown on request.
18308 <i>C 4194</i>	Ohtakari.	64° 05.0' N 23° 25.0' E	F.W.	75 23	4	Gray framework tower.	Fishing light. Shown on request.
18312 <i>C 4195</i>	Ruoppausvayla Range, front.	64° 04.0' N 23° 38.0' E	F.R.	16 5	2	Red rectangular daymark, yellow stripe.	Visible 018°-198°. Fishing light. Shown on request.
18316 <i>C 4195.1</i>	--Rear, 108° from front.	64° 04.4' N 23° 38.4' E	F.R.	30 9	2	Red rectangular daymark, yellow stripe.	Visible 018°-198°. Fishing light. Shown on request.
18328 <i>C 4198</i>	Jokivayla Range, front.	64° 04.0' N 23° 38.0' E	F.R.	16 5	2	Red rectangular daymark, yellow stripe.	Visible 041°-221°. Fishing light. Shown on request.
18332 <i>C 4198.1</i>	--Rear, 131° from front.	64° 04.0' N 23° 38.5' E	F.R.	26 8	2	Red rectangular daymark, yellow stripe.	Visible 041°-221°. Fishing light. Shown on request.
18334 <i>C 4196</i>	Mansikkakari Range, front.	64° 05.4' N 23° 35.4' E	Q.W.	26 8	7	White rectangular daymark, red stripe.	Visible 110°48'-114°48'. Fishing light. Shown on request.
18334.1 <i>C 4196.1</i>	--Rear, 112°48' from front.	64° 05.3' N 23° 35.6' E	FL.W. period 3s fl. 0.5s, ec. 2.5s	43 13	7	White rectangular daymark, red stripe.	Visible 110°48'-114°48'. Fishing light. Shown on request.
18336 <i>C 4193.2</i>	Piekkö Range, front.	64° 13.0' N 23° 44.0' E	Q.W.	23 7	8	Red rectangular daymark, yellow stripe.	Visible 160°48'-164°48'.
18340 <i>C 4193.21</i>	--Rear, 162°48' from front.	64° 13.3' N 23° 43.9' E	L.F.I.W. period 6s fl. 2s, ec. 4s	46 14	8	Red rectangular daymark, yellow stripe.	Visible 158°48'-166°48'.
18342	-Aijankallio RACON	64° 14.2' N 23° 36.6' E	T(-)		10		(3cm).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF BOTHNIA							
18343 <i>C 4192.5</i>	Lepanen Range, front.	64° 14.2' N 23° 38.7' E	Q.W.	40 12	8	Red rectangular daymark, yellow stripe.	Visible 110°30'-118°30'.
18343.1 <i>C 4192.51</i>	-Rear, 114°18' from front.	64° 14.0' N 23° 39.9' E	L.Fl.W. period 6s fl. 2s, ec. 4s	85 26	9	Red rectangular daymark, yellow stripe.	Visible 110°30'-118°30'.
18345 <i>C 4193.3</i>	Rahja Range, front.	64° 14.0' N 23° 42.0' E	Iso.W. period 2s	72 22	10	Red rectangular daymark, white stripe.	Visible 199°-207°.
18346 <i>C 4193.31</i>	-Rear, 203° from front.	64° 13.2' N 23° 42.8' E	L.Fl.W. period 6s fl. 2s, ec. 4s	98 30	10	Red rectangular daymark, white stripe.	Visible 199°30'-207°30'.
18349 <i>C 4192.7</i>	Keskuskari Range, front.	64° 14.0' N 23° 47.0' E	Q.Y.	33 10	7	Red rectangular daymark, yellow stripe.	Visible 102°12'-106°12'.
18350 <i>C 4192.71</i>	-Rear, 104°12' from front.	64° 14.1' N 23° 48.2' E	L.Fl.Y. period 6s fl. 2s, ec. 4s	82 25	8	Red rectangular daymark, yellow stripe.	Visible 102°12'-106°12'.
18356 <i>C 4192.6</i>	Vihaspauha Range, front.	64° 16.0' N 23° 50.0' E	Q.W.	62 19	11	Red rectangular daymark, yellow stripe.	Visible 071°30'-091°30'.
18358 <i>C 4193</i>	Roima.	64° 14.8' N 23° 41.1' E	Fl.G. period 3s	43 13	4	Beacon, triangular daymark point up.	Radar reflector.
18360 <i>C 4192.61</i>	-Rear, 1,111 meters 081°30' from front.	64° 16.0' N 23° 51.0' E	L.Fl.W. period 6s fl. 2s, ec. 4s	108 33	11	Red rectangular daymark, yellow stripe.	Visible 071°30'-091°30'.
18364 <i>C 4191</i>	Kalajoki Range, front.	64° 17.0' N 23° 55.0' E	F.W.	20 6	2	White rectangular daymark, red stripe.	Visible 099°-179°. Fishing light. Shown on request. Occasional.
18368 <i>C 4191.1</i>	-Rear, 180 meters 139° from front.	64° 17.1' N 23° 55.4' E	F.W.	30 9	2	White rectangular daymark, red stripe.	Visible 099°-179°. Fishing light. Shown on request. Occasional.
18376 <i>C 4193.6</i>	Pirttikarvo Range, front.	64° 12.7' N 23° 39.7' E	Q.R.	23 7	4	White rectangular daymark, red stripe.	Visible 154°-158°.
18380 <i>C 4193.61</i>	-Rear, about 185 meters 156° from front.	64° 12.6' N 23° 39.8' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	30 9	5	White rectangular daymark, red stripe.	Visible 154°-158°.
18384 <i>C 4193.7</i>	Kuusimalla Range, front.	64° 12.4' N 23° 40.7' E	Q.G.	23 7	4	White rectangular daymark, red stripe.	Visible 142°-146°.
18388 <i>C 4193.71</i>	-Rear, about 700 meters 144° from front.	64° 12.1' N 23° 41.2' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	39 12	5	White rectangular daymark, red stripe.	Visible 142°-146°.
18392 <i>C 4192</i>	Ulkokalla.	64° 19.9' N 23° 26.8' E	Fl.(3)W. period 20s fl. 0.3s, ec. 1.8s fl. 0.3s, ec. 1.8s fl. 0.3s, ec. 15.5s	52 16	8	Black round tower, white band; 39.	
18396 <i>C 4190</i>	Iso Klippi.	64° 21.0' N 23° 57.0' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	30 9	4	Gray wooden pile structure; 13.	Fishing light. Shown on request.
18400 <i>C 4188</i>	Nahkiainen.	64° 36.7' N 23° 53.3' 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	92 28	10	White round concrete tower, red top, lantern; 79. Helicopter platform.	
	RACON		T(-)		13		(3 & 10cm).
18402 <i>C 4188.4</i>	Lannennokka Range, front.	64° 34.0' N 24° 21.9' E	Q.W.	13 4	7	Red rectangular daymark, white stripe.	Visible 141°54'-145°54'. Fishing light. Shown on request.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF BOTHNIA							
18402.1 <i>C 4188.41</i>	-Rear, 143°54' from front.	64° 33.8' N 24° 21.6' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	20 6	8	Red rectangular daymark, white stripe.	Visible 141°54'-145°54'. Fishing light.
18404 <i>C 4183</i>	Raaha.	64° 39.1' N 24° 13.4' E	Fl.(2)Y. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 8s	72 22	7	White round concrete tower, red band.	Radar reflector.
	RACON		T(-)		13		(3 & 10cm).
18408 <i>C 4184.4</i>	-Virpipera Range, front.	64° 40.0' N 24° 25.0' E	Q.Y.	59 18	12	Red rectangular daymark, yellow stripe.	Visible 059°42'-064°42'.
18412 <i>C 4184.5</i>	--Rear, 062°12' from front.	64° 40.2' N 24° 25.4' E	Iso.Y. period 6s	102 31	12	Red rectangular daymark, yellow stripe.	Visible 059°42'-064°42'.
18420 <i>C 4184</i>	Heikinkari Range, front.	64° 39.0' N 24° 21.0' E	Fl.W. period 3s	23 7	10	Red rectangular daymark, yellow stripe.	Visible 081°30'-089°30'. Range 4M by day. Radar reflector.
	RACON		T(-)		8		(3 & 10cm).
18424 <i>C 4184.1</i>	-Elko, rear, 085°30' from front.	64° 39.1' N 24° 24.0' E	Iso.W. period 4s	66 20	12	Red rectangular daymark, yellow stripe.	Visible 081°30'-089°30'. Range 5M by day.
18436 <i>C 4186</i>	Rojuniemi Range, front.	64° 39.0' N 24° 25.0' E	Fl.R. period 3s fl. 1s, ec. 2s	79 24	14	Yellow mast.	Visible 120°42'-131°42'.
18440 <i>C 4186.1</i>	-Rear, 126°12' from front.	64° 39.3' N 24° 25.3' E	Iso.R. period 3s	112 34	14	Red rectangular daymark, yellow stripe.	Visible 120°42'-131°42'.
18442 <i>C 4180</i>	Karjula.	64° 46.4' N 24° 08.9' E	Fl.(4)W. period 20s fl. 0.2s, ec. 1.8s fl. 0.2s, ec. 1.8s fl. 0.2s, ec. 1.8s fl. 0.2s, ec. 13.8s	40 12	4	White beacon, red band.	
18444 <i>C 4172</i>	Tauvo (Haikaraki).	64° 48.8' N 24° 32.6' E	L.Fl.W. period 6s fl. 2s, ec. 4s	105 32	8	Black mast; 98.	Visible 011°-191°.
18444.5 <i>C 4173</i>	-Fishing.	64° 48.3' N 24° 32.9' E	U.Q.(5)W. period 6s	16 5	2	Red post.	Fishing light. Shown on request.
18444.7 <i>C 4174</i>	Rautakallio.	64° 53.8' N 24° 45.5' E	Q.R.	30 9	2	Gray framework tower.	Seasonal. Radar reflector.
18445 <i>C 4170.6</i>	Varjakka Range, front.	64° 55.2' N 25° 06.4' E	Q.W.	10 3	7	Red square daymark, yellow stripe.	Visible 172°-176°. Fishing light. Seasonal.
18445.5 <i>C 4170.61</i>	-Rear, 174° from front.	64° 55.1' N 25° 06.4' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	29 9	8	Red square daymark, yellow stripe.	Visible 172°-176°. Fishing light. Seasonal.
OULU APPROACH:							
18452 <i>C 4142.1</i>	-Marjaniemi.	65° 02.4' N 24° 33.7' E	Fl.(2)W. period 20s fl. 0.5s, ec. 2.2s fl. 0.5s, ec. 16.8s	99 30	16	White round tower; 82.	Visible 022°-225°. Pilot station.
18456 <i>C 4143</i>	-Marjaniemi Range, front.	65° 02.4' N 24° 33.0' E	Q.Y.	20 6	9	Red rectangular daymark, yellow stripe.	Visible 085°-105°.
18460 <i>C 4143.1</i>	--Rear, 095° from front.	65° 02.4' N 24° 33.4' E	Iso.Y. period 4s	49 15	10	Red rectangular daymark, yellow stripe.	Visible 085°-105°.
18464 <i>C 4145.8</i>	-Holma.	65° 07.9' N 24° 18.1' E	V.Q.(9)W. period 10s	40 12	4	W. CARDINAL YBY, beacon, topmark.	Radar reflector.
18470 <i>C 4145.4</i>	-Oulu Portti.	65° 11.1' N 24° 22.2' E	Fl.R. period 3s	39 12	4	PORT (A) R, pile, topmark.	Radar reflector.

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FINLAND-GULF OF BOTHNIA							
18472 <i>C 4145</i>	-Oulu No 1.	65° 11.4' N 24° 30.2' E	Fl.W.R.G. period 5s fl. 0.5s, ec. 4.5s	72 22	11	Black round concrete tower, white band.	G. 041°-057°, W.-149°, R.- 190°, G.-288°, W.-290°, R.-041°.
	-RACON		T(-)		14		(3 & 10cm).
18476 <i>C 4146</i>	-Oulu No 2.	65° 10.5' N 24° 35.2' E	Fl.(2)W.R.G. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	72 22	8	White masonry tower, black band; 79.	R. 005°-060°, G.-119°, W.- 125°, R.-185°, G.-314°, W.-319°, R.-333°, G.- 000° W.-005°.
18477 <i>C 4147.05</i>	-Keskiniemi Range, front.	65° 04.8' N 24° 39.2' E	Fl.W. period 6s fl. 0.5s, ec. 5.5s	30 9	6	White beacon.	Rear beacon unlit, 4M 104°54' from front. Rear 18480.52. Radar reflector.
18478 <i>C 4146.5</i>	-Valitamala.	65° 08.8' N 24° 32.5' E	Fl.(4)Y. period 20s fl. 0.2s, ec. 1.8s fl. 0.2s, ec. 1.8s fl. 0.2s, ec. 1.8s fl. 0.2s, ec. 13.8s	39 12	2	White pillar, red stripe.	Radar reflector.
18480 <i>C 4147</i>	-Oulu No 3.	65° 08.9' N 24° 39.5' E	Fl.(3)W.R.G. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6.5s	72 22	8	White round concrete tower, red band; 79.	G. 036°-135°, W.-136°, R.- 216°, G.-296°, W.-298°, R.-036°.
18480.5 <i>C 4147.1</i>	-Kotalahti Range, common front.	65° 07.3' N 24° 47.0' E	Q.W.	38 12	5	Red round tower, white stripe.	Visible 233°30'-249°30' and 106°48'-122°48'. Radar reflector.
18480.51 <i>C 4147.11</i>	--W. rear, 1.2 miles 241°36' from common front.	65° 06.7' N 24° 44.4' E	L.Fl.W. period 6s fl. 2s, ec. 4s	83 25	6	Red rectangular daymark, white stripe.	Visible 237°36'-245°36'. Radar reflector.
18480.52 <i>C 4147.09</i>	--E., rear, 1.2 miles 114°48' from common front.	65° 06.7' N 24° 49.7' E	L.Fl.W. period 6s fl. 2s, ec. 4s	92 28	6	Red rectangular daymark, white stripe.	Visible 110°48'-118°48'. Radar reflector.
18481 <i>C 4147.15</i>	-Liberta.	65° 08.2' N 24° 42.2' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	39 12	4	STARBOARD (A) G, pile, topmark.	Radar reflector.
18482 <i>C 4147.2</i>	-Oulu No 4.	65° 07.6' N 24° 47.2' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	46 14	4	Red beacon.	Radar reflector.
18484 <i>C 4147.3</i>	--No 5.	65° 08.1' N 24° 50.7' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	39 12	4	STARBOARD (A) G, beacon, topmark.	Radar reflector.
18485 <i>C 4147.5</i>	-Hammamatala.	65° 08.5' N 24° 53.1' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	39 12	4	STARBOARD (A) G, pile, topmark.	Radar reflector.
18488 <i>C 4148</i>	-Hoikka Range, front.	65° 06.0' N 25° 01.7' E	Q.W.	17 5	6	Red rectangular daymark, yellow stripe.	Visible 144°30'-152°30'.
18492 <i>C 4148.1</i>	--Rear, 149°24' from front.	65° 05.7' N 25° 02.1' E	L.Fl.W. period 6s fl. 2s, ec. 4s	46 14	7	Red rectangular daymark, yellow stripe.	Visible 145°30'-153°30'.
18496 <i>C 4150</i>	-Luodematala Range, front.	65° 10.1' N 24° 59.4' E	Q.W.	31 9	8	Red round concrete tower; 23.	Visible 057°-065°.
	-RACON		T(-)		11		(3cm).
18496.1 <i>C 4150.1</i>	--Lansiletto, rear, about 2780 meters 061°36' from front.	65° 10.8' N 25° 02.7' E	L.Fl.W. period 6s fl. 2s, ec. 4s	63 19	9	Red square concrete tower; 49.	Visible 057°36'-065°36'.
18498 <i>C 4106</i>	-Nimeton Range, front.	65° 12.3' N 25° 01.9' E	Q.W.	33 10	6	Red rectangular daymark, yellow stripe.	Visible 165°42'-169°42'.
18499 <i>C 4106.1</i>	--Rear, about 1.5 miles 167°42' from front.	65° 10.8' N 25° 02.7' E	L.Fl.W. period 8s fl. 2s, ec. 4s	116 35	9	Red rectangular daymark, yellow stripe.	Visible 165°42'-169°42'. Adjacent to Lansiletto rear.

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FINLAND-GULF OF BOTHNIA							
18504 <i>C 4152</i>	-Kattilankalla Range, front.	65° 08.3' N 24° 59.6' E	Q.Y.	25 8	7	Red square daymark, yellow stripe.	Visible 090°30'-098°30'.
18508 <i>C 4152.1</i>	--Rear, 2.6 kilometers 095°24' from front.	65° 08.1' N 25° 03.0' E	L.F.I.Y. period 6s fl. 2s, ec. 4s	70 21	8	Red rectangular daymark, yellow stripe.	Visible 091°24'-099°24'.
18520 <i>C 4153</i>	-Loyha Range, front.	65° 06.1' N 25° 08.4' E	Q.W.	47 14	6	Red rectangular daymark, yellow stripe.	Visible 106°12'-114°12'.
18524 <i>C 4153.1</i>	--Rear, 305 meters 110°12' from front.	65° 06.1' N 25° 08.9' E	L.F.I.W. period 6s fl. 2s, ec. 4s	92 28	6	Red rectangular daymark, yellow stripe.	Visible 106°12'-114°12'.
18527 <i>C 4109</i>	-Olli Range, front.	65° 07.2' N 25° 05.7' E	Q.Y.	33 10	5	Yellow rectangular daymark, red stripe.	Visible 256°-286°.
18527.1 <i>C 4109.1</i>	--Rear, 271° from front.	65° 07.2' N 25° 04.6' E	L.F.I.Y. period 8s fl. 2s, ec. 6s	63 19	6	Yellow rectangular daymark, red stripe.	Visible 256°-286°.
18528 <i>C 4154</i>	-Hanhikari Range, front.	65° 07.3' N 25° 05.2' E	Q.G.	26 8	4	White rectangular daymark, red stripe.	Visible 321°-325°.
18532 <i>C 4154.1</i>	--Rear, 293 meters 323° from front.	65° 07.4' N 25° 05.0' E	FI.G. period 3s fl. 0.5s, ec. 2.5s	52 16	4	White rectangular daymark, red stripe.	Visible 321°-325°.
18533 <i>C 4110.3</i>	Loyhanmutka.	65° 06.8' N 25° 06.5' E	V.Q.(9)W. period 10s	39 12	3	W. CARDINAL YBY, mast, topmark.	Radar reflector.
18533.5 <i>C 4110</i>	Ollinmatala.	65° 07.0' N 25° 06.9' E	V.Q.W.	39 12	4	N. CARDINAL BY, pile, topmark.	Radar reflector.
18536 <i>C 4155.5</i>	-Hiuvet Range, front.	65° 07.9' N 25° 07.9' E	Q.W.	20 6	5	Red rectangular daymark, yellow stripe.	Visible 033°-037°.
18536.1 <i>C 4155.51</i>	--Rear, 366 meters 035° from front.	65° 08.1' N 25° 08.1' E	FI.W. period 3s fl. 0.5s, ec. 2.5s	48 15	6	Red rectangular daymark, yellow stripe.	Visible 033°-037°.
18538 <i>C 4107</i>	-Kajava Range, front.	65° 09.7' N 25° 08.9' E	Q.W.	33 10	6	Red rectangular daymark, yellow stripe.	Visible 141°48'-145°48'.
18538.1 <i>C 4107.1</i>	--Rear, 143°48' from front.	65° 09.1' N 25° 09.9' E	L.F.I.W. period 8s fl. 2s, ec. 6s	89 27	10	Red rectangular daymark, yellow stripe.	Visible 141°48'-145°48'.
18539 <i>C 4105.5</i>	Kriisinkivi.	65° 12.7' N 25° 04.0' E	FI.G. period 3s fl. 0.3s, ec. 2.7s	39 12	2	Green beacon.	Radar reflector.
18540 <i>C 4107.3</i>	Isomatala.	65° 11.7' N 25° 05.1' E	FI.R. period 3s fl. 0.3s, ec. 2.7s	39 12	4	Red beacon.	Radar reflector.
18540.5 <i>C 4107.4</i>	-E.	65° 11.8' N 25° 05.7' E	FI.G. period 3s fl. 0.3s, ec. 2.7s	39 12	2	Green beacon.	Radar reflector.
18541 <i>C 4156</i>	-Valikivikko Range, front.	65° 07.3' N 25° 03.5' E	Q.W.	30 9	6	Red rectangular daymark, yellow stripe.	Visible 304°-312°.
18541.5 <i>C 4156.1</i>	--Rear, 307°36' from front.	65° 07.8' N 25° 02.2' E	L.F.I.W. period 6s fl. 2s, ec. 4s	85 26	6	Red rectangular daymark, yellow stripe.	Visible 304°-312°.
18542 <i>C 4124</i>	-Kropsu Range, front.	65° 09.0' N 25° 11.2' E	Q.W.	22 7	7	Red rectangular daymark, yellow stripe.	Visible 191°-195°. Seasonal.
18542.1 <i>C 4124.1</i>	--Rear, 193° from front.	65° 09.0' N 25° 11.1' E	L.F.I.W. period 8s fl. 2s, ec. 6s	42 13	7	Red rectangular daymark, yellow stripe.	Visible 191°-195°. Seasonal.
18544 <i>C 4108.5</i>	-Hookana.	65° 07.3' N 25° 10.4' E	FI.R. period 3s fl. 0.3s, ec. 2.7s	39 12	2	Red beacon.	Radar reflector.
18546 <i>C 4108</i>	-Hietakari Range, front.	65° 06.7' N 25° 11.6' E	Q.W.	33 10	6	Red rectangular daymark, yellow stripe.	Visible 152°06'-156°06'.

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FINLAND-GULF OF BOTHNIA							
18546.1 <i>C 4108.1</i>	--Rear, 154°06' from front.	65° 06.1' N 25° 12.3' E	L.F.I.W. period 6s fl. 2s, ec. 4s	82 25	7	Red rectangular daymark, yellow stripe.	Visible 152°06'-156°06'.
18547 <i>C 4156.4</i>	-Pensaskari Range, front.	65° 03.7' N 25° 14.6' E	Q.W.	33 10	6	Red rectangular daymark, yellow stripe.	Visible 123°36'-131°36'.
18547.1 <i>C 4156.41</i>	--Rear, 127°36' from front.	65° 03.2' N 25° 16.1' E	L.F.I.W. period 6s fl. 2s, ec. 4s	85 26	6	Red rectangular daymark, yellow stripe.	Visible 123°36'-131°36'.
18548 <i>C 4157</i>	-Rautaletto Range, front.	65° 06.1' N 25° 09.2' E	Q.W.	43 13	6	Red rectangular daymark, yellow stripe.	Visible 317°36'-325°36'.
18552 <i>C 4157.1</i>	--Rear, 926 meters 321°36' from front.	65° 06.5' N 25° 08.4' E	L.F.I.W. period 6s fl. 2s, ec. 4s	98 30	6	Red rectangular daymark, yellow stripe.	Visible 317°36'-325°36'.
18556 <i>C 4107.5</i>	Hoikkahiuvet Range, front.	65° 08.6' N 25° 07.8' E	Q.W.	16 5	6	White rectangular daymark, black stripe.	Visible 206°30'-210°30'. Seasonal.
18560 <i>C 4107.51</i>	--Rear, 208°42' from front.	65° 07.9' N 25° 06.8' E	F.I.W. period 3s fl. 0.5s, ec. 2.5s	47 14	6	White rectangular daymark, black stripe.	Visible 206°30'-210°30'. Seasonal.
18569 <i>C 4168</i>	-Johanssoniranta Range, front.	65° 00.9' N 25° 26.2' E	F.R.	23 7	2	White rectangular daymark, red stripe.	
18569.1 <i>C 4168.1</i>	--Rear, 007°30' from front.	65° 01.0' N 25° 26.2' E	F.R.	33 10	2	White rectangular daymark, red stripe.	
18570 <i>C 4168.5</i>	-Johteensalmi Range, front.	65° 00.9' N 25° 26.1' E	F.R.	26 8	2	White rectangular daymark, red stripe.	
18570.1 <i>C 4168.51</i>	--Rear, 261° from front.	65° 00.9' N 25° 26.0' E	F.R.	39 12	2	White rectangular daymark, red stripe.	
18571 <i>C 4168.3</i>	-Korkeasaari Range, front.	65° 01.2' N 25° 27.0' E	F.R.	33 10	2	White rectangular daymark, red stripe.	
18571.1 <i>C 4168.31</i>	--Rear, 037° from front.	65° 01.2' N 25° 27.0' E	F.R.	33 10	2	White rectangular daymark, red stripe.	
18573 <i>C 4166.5</i>	-Vihreasaari Range, front.	65° 00.4' N 25° 24.3' E	F.R.	19 6	4	White triangular daymark point up, red stripe.	Visible 353°30'-173°30'.
18573.1 <i>C 4166.51</i>	--Rear, 283 meters 083°48' from front.	65° 00.4' N 25° 24.7' E	F.R.	26 8	3	White triangular daymark point down, red stripe.	Visible 353°30'-173°30'.
18576 <i>C 4158</i>	Kyronkari Range, front.	65° 00.7' N 25° 20.2' E	Q.W.	13 4	6	Red rectangular daymark, yellow stripe.	Visible 209°-213°.
18580 <i>C 4158.1</i>	--Rear, 211° from front.	65° 00.0' N 25° 19.1' E	F.I.W. period 3s fl. 0.5s, ec. 2.5s	36 11	8	Red rectangular daymark, yellow stripe.	Visible 209°-213°.
OULLU:							
18584 <i>C 4166</i>	-Oritkari Range, front.	64° 59.9' N 25° 24.6' E	Dir.W.R.G. period 4s	52 16	13	White rectangular daymark, red stripe.	Iso.G. 119°36'-124°06', Iso.W.-125°06', Iso.R.- 129°36'.
18588 <i>C 4166.1</i>	--Rear, 0.55 mile 124°36' from front.	64° 59.6' N 25° 25.7' E	Iso.W. period 6s	138 42	18	Black rectangular daymark, red stripe; 131.	Visible 122°-127°. Aero. F.R. on top of structure.
18589 <i>C 4166.3</i>	-Nuottasaari Range, front.	65° 00.2' N 25° 25.4' E	F.G.	20 6	3	White rectangular daymark, black stripe.	Visible 334°12'-154°12'.
18589.1 <i>C 4166.31</i>	--Rear, 064°12' from front.	65° 00.2' N 25° 25.5' E	F.G.	30 9	3	White rectangular daymark, black stripe.	Visible 334°12'-154°12'.
18597 <i>C 4170</i>	-Pajuniemi Range, front.	65° 00.5' N 25° 11.8' E	Q.W.	39 12	11	White rectangular daymark, red stripe.	Visible 097°48'-117°48'.
18597.1 <i>C 4170.1</i>	--Rear, 340 meters 107°48' from front.	65° 00.5' N 25° 12.2' E	L.F.I.W. period 6s fl. 2s, ec. 4s	41 12	11	White rectangular daymark, red stripe.	Visible 097°48'-117°48'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF BOTHNIA							
18598 <i>C 4170.4</i>	-Huikku Range, front.	65° 02.3' N 25° 04.0' E	Q.W.		18 5	9 White rectangular daymark, red stripe.	Visible 292°42'-312°42'.
18598.1 <i>C 4170.41</i>	--Rear, 160 meters 302°42' from front.	65° 02.5' N 25° 03.3' E	L.FI.W. period 6s		26 8	10 White rectangular daymark red stripe.	Visible 292°42'-312°42'.
OULU APPROACH:							
-Toppilansalmi:							
18604 <i>C 4162</i>	-Toppilansalmi.	65° 02.5' N 25° 24.9' E	F.W.		30 9	2 Gray pile.	4 F.W. lights on piles are shown Aug. 15 to close of navigation, in channel between Toppilasund and Uleaborg.
18608 <i>C 4160</i>	--Toppila Range, front.	65° 02.7' N 25° 25.0' E	Q.R.		18 5	4 Red rectangular daymark, yellow stripe.	Visible 079°30'-094°30'.
18612 <i>C 4160.1</i>	---Rear, 160 meters 087° from front.	65° 02.7' N 25° 25.2' E	L.FI.R. period 6s fl. 2s, ec. 4s		26 8	5 Red rectangular daymark, yellow stripe; 10.	Visible 079°30'-094°30'.
18616 <i>C 4161</i>	-Toppilansalmi Range, front.	65° 02.4' N 25° 25.5' E	Iso.G. period 2s		41 12	5 Red rectangular daymark, white stripe; 6.	Visible 107°-122°.
18620 <i>C 4161.1</i>	--Rear, 280 meters 114°30' from front.	65° 02.4' N 25° 25.8' E	Iso.G. period 4s		69 21	5 Red rectangular daymark, white stripe; 10.	Visible 107°-122°.
18630 <i>C 4165.4</i>	Kraaselin Kaivanto Range	65° 06.1' N 25° 21.0' E	Q.W.		21 6	6 White rectangular daymark, red stripe.	Visible 110°-114°.
18630.1 <i>C 4165.41</i>	-Rear, 112° from front.	65° 06.1' N 25° 21.3' E	FI.W. period 3s fl. 0.5s, ec. 2.5s		43 13	6 White rectangular daymark, red stripe.	Visible 110°114°.
18636 <i>C 4164</i>	Rapankari Range, front.	65° 06.1' N 25° 21.4' E	Q.W.		19 6	6 White rectangular daymark, red stripe.	Visible 351°12'-355°12'.
18640 <i>C 4164.1</i>	-Rear, Kalimenoja, 800 meters 353°12' from front.	65° 06.5' N 25° 21.3' E	L.FI.W. period 6s fl. 2s, ec. 4s		43 13	7 White rectangular daymark, red stripe.	Visible 351°12'-355°12'.
18650 <i>C 4165.2</i>	Taskisenranta Range, front.	65° 05.8' N 25° 23.0' E	F.Y.		20 6	1 Yellow rectangular daymark, red stripe.	Visible 053°-073°.
18650.1 <i>C 4165.21</i>	-Rear, 063° from front.	65° 05.9' N 25° 23.2' E	F.Y.		36 11	1 Yellow rectangular daymark, red stripe.	Visible 053°-073°.
18652 <i>C 4130</i>	Vehkaperä Range, front.	65° 07.2' N 25° 18.0' E	Q.W.		33 10	9 White rectangular daymark, red stripe.	Visible 087°24'-091°24'.
18656 <i>C 4130.1</i>	-Rear, 740 meters 089°24' from front.	65° 07.2' N 25° 18.9' E	L.FI.W. period 6s fl. 2s, ec. 4s		59 18	10 White rectangular daymark, red stripe.	Visible 087°24'-091°24'.
18660 <i>C 4126</i>	Virpiniemi Range, front.	65° 07.9' N 25° 13.8' E	Q.W.		23 7	7 Red rectangular daymark, yellow stripe.	Visible 147°30'-151°30'. Seasonal.
18664 <i>C 4126.1</i>	-Rear, 740 meters 149°30' from front.	65° 07.6' N 25° 14.1' E	L.FI.W. period 6s fl. 2s, ec. 4s		43 13	9 Red rectangular daymark, yellow stripe.	Visible 147°30'-151°30'. Seasonal.
18668 <i>C 4128</i>	Isoniemi Range, front.	65° 08.9' N 25° 13.9' E	Q.W.		23 7	8 White rectangular daymark, red stripe.	Visible 015°48'-019°48'. Seasonal.
18672 <i>C 4128.1</i>	-Rear, 550 meters 017°48' from front.	65° 09.2' N 25° 14.1' E	L.FI.W. period 6s fl. 2s, ec. 4s		39 12	9 White rectangular daymark, red stripe.	Visible 015°48'-019°48'. Seasonal.
18680 <i>C 4122</i>	Rivinletto.	65° 12.1' N 25° 14.9' E	FI.W. period 3s fl. 0.3s, ec. 2.7s		26 8	4 White tower, black top.	Visible 016°-284°. In line 105° and 122°30' with beacons. Shown on request.
18684 <i>C 4123</i>	Rivinnokka Range, front.	65° 11.8' N 25° 15.7' E	Q.W.		52 16	8 Red rectangular daymark, yellow stripe.	Visible 105°30'-109°30'. Seasonal.

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FINLAND-GULF OF BOTHNIA							
18684.1 <i>C 4123.1</i>	-Rear, 230 meters 107°30' from front.	65° 11.7' N 25° 16.2' E	Iso.W. period 6s	89 27	9	Red rectangular daymark, yellow stripe.	Visible 105°30'-109°30'. Seasonal.
18686 <i>C 4120</i>	Halkorsnta Range, front.	65° 11.7' N 25° 17.7' E	F.Y.	13 4	7	Red rectangular daymark, yellow stripe.	Visible 134°30'-138°30'. Seasonal.
18686.1 <i>C 4120.1</i>	-Rear, 138° from front.	65° 11.7' N 25° 17.8' E	F.Y.	27 8	7	Red rectangular daymark, yellow stripe.	Visible 134°30'-137°30'. Seasonal.
18692 <i>C 4121</i>	Haukipudas Range, front.	65° 12.8' N 25° 17.2' E	Q.W.	20 6	6	Red rectangular daymark, white stripe.	Visible 066°30'-070°30'. Seasonal.
18696 <i>C 4121.1</i>	-Rear, 068°30' from front.	65° 12.8' N 25° 17.4' E	L.F.I.W. period 8s fl. 2s, ec. 6s	52 16	7	Red rectangular daymark, white stripe.	Visible 066°30'-070°30'. Seasonal.
18705 <i>C 4118</i>	Kriisi.	65° 14.6' N 25° 11.6' E	Q.(2)W. period 6s	49 15	4	Black and yellow square wooden building.	Visible 313°-175°. Fishing light. Seasonal.
18706 <i>C 4119</i>	-E. Range, front.	65° 14.8' N 25° 12.7' E	Q.W.	13 4	5	White rectangular daymark, red stripe.	Visible 223°-226°. Seasonal.
18706.1 <i>C 4119.1</i>	-Rear, 224°30' from front.	65° 14.7' N 25° 12.4' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	30 9	5	White rectangular daymark, red stripe.	Visible 223°-226°. Seasonal.
18708 <i>C 4116</i>	Satakari Range, front.	65° 15.9' N 25° 13.3' E	Q.W.	13 4	6	Red rectangular daymark, yellow stripe.	Visible 359°30'-004°30'. Seasonal.
18708.1 <i>C 4116.1</i>	-Rear, 001°30' from front.	65° 16.6' N 25° 13.4' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	49 15	6	Red rectangular daymark, yellow stripe.	Visible 359°30'-004°30'. Seasonal.
18712 <i>C 4115</i>	Pitkaniemi, front.	65° 16.5' N 25° 16.1' E	Q.W.	23 7	5	White rectangular daymark, red stripe.	Visible 168°-171°. Seasonal.
18716 <i>C 4115.1</i>	-Rear, 110 meters 169°30' from front.	65° 16.4' N 25° 16.2' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	46 14	5	White rectangular daymark, red stripe.	Visible 168°-171°. Seasonal.
18720 <i>C 4114.5</i>	Sekaletto Range, front.	65° 17.4' N 25° 16.4' E	Q.Y.	27 8	4	White rectangular daymark, red stripe.	Visible 147°30'-150°30'. Seasonal.
18724 <i>C 4114.51</i>	-Rear, 91 meters 149° from front.	65° 17.3' N 25° 16.5' E	V.Q.(5)Y. period 6s	51 16	4	White rectangular daymark, red stripe.	Visible 147°30'-150°30'. Seasonal.
18732 <i>C 4114.2</i>	-Range, front.	65° 18.3' N 25° 14.5' E	Q.G.	16 5	1	Red rectangular daymark, white stripe.	Visible 160°-193°. Seasonal.
18736 <i>C 4114.21</i>	--Rear, 176°30' from front.	65° 18.3' N 25° 14.5' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	30 9	2	Red rectangular daymark, white stripe.	Visible 160°-193°. Seasonal.
18740 <i>C 4113</i>	Tangonsaari, front.	65° 19.0' N 25° 16.0' E	Q.W.	22 7	7	White rectangular daymark, red stripe.	Visible 004°-008°. Seasonal.
18744 <i>C 4113.1</i>	-Rear, 550 meters 006° from front.	65° 19.0' N 25° 16.1' E	L.F.I.W. period 6s fl. 2s, ec. 4s	49 15	8	White rectangular daymark, red stripe.	Visible 004°-008°. Seasonal.
18752 <i>C 4112.6</i>	Rontii W. Range, front.	65° 21.0' N 25° 15.0' E	Q.W.	13 4	6	White rectangular daymark, black stripe.	Visible 147°-151°. Seasonal.
18756 <i>C 4112.61</i>	-Rear, 500 meters 149° from front.	65° 20.3' N 25° 15.3' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	39 12	6	White rectangular daymark, black stripe.	Visible 147°-151°. Seasonal.
18760 <i>C 4112.4</i>	Kayranletto Range, front.	65° 22.0' N 25° 15.0' E	Q.W.	16 5	6	White rectangular daymark, red stripe.	Visible 056°30'-060°30'. Seasonal.
18760.1 <i>C 4112.41</i>	-Hiuvet, rear, 058°30' from front.	65° 22.2' N 25° 17.4' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	46 14	6	White rectangular daymark, red stripe.	Visible 056°30'-060°30'. Seasonal.
18764 <i>C 4112.3</i>	Rontti Range, front.	65° 22.0' N 25° 14.0' E	Q.W.	28 9	10	Red rectangular daymark, yellow stripe.	Visible 169°-173°. Seasonal.

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FINLAND-GULF OF BOTHNIA							
18768 <i>C 4112.31</i>	-Rear, N. beach on Rontti, 2.3 miles 171° from front.	65° 20.7' N 25° 15.0' E	L.FI.W. period 8s fl. 2s, ec. 6s	98 30	12	Red rectangular daymark, yellow stripe.	Visible 169°-173°. Seasonal.
18772 <i>C 4082</i>	Kemi 1.	65° 23.1' N 24° 05.7' E	FI.W. period 4s fl. 0.8s, ec. 3.2s	82 25	10	Black round concrete tower, red band; 69. Helicopter platform.	Radar reflector.
	RACON		T(-)		12		(3 & 10cm).
18776 <i>C 4101</i>	Ulkokrunni Range, front.	65° 23.4' N 24° 50.4' E	FI.W. period 2s fl. 0.3s, ec. 1.7s	33 10	8	Red rectangular daymark, yellow stripe.	Visible 143°-149°.
18780 <i>C 4101.1</i>	-Rear, 146° from front.	65° 23.4' N 24° 50.5' E	L.FI.W. period 6s fl. 2s, ec. 4s	89 27	9	Red four-sided pyramidal tower, white rectangular daymark.	Visible 143°-149°.
18784 <i>C 4102</i>	Maakrunni Range, front.	65° 24.0' N 25° 00.0' E	Q.W.	33 10	8	Red rectangular daymark, yellow stripe.	Visible 109°36'-113°36'.
18788 <i>C 4102.1</i>	-Rear, 111°36' from front.	65° 24.2' N 25° 01.4' E	L.FI.W. period 6s fl. 2s, ec. 4s	100 30	9	Red rectangular daymark, yellow stripe.	Visible 109°30'-113°30'.
18788.5 <i>C 4102.5</i>	Pohjanletto.	65° 25.4' N 24° 51.5' E	V.Q.(3)W. period 5s	39 12	3	E. CARDINAL BYB, beacon, topmark.	Radar reflector.
18789 <i>C 4103</i>	Pohjanletto Range, front.	65° 24.0' N 24° 52.1' E	Q.W.	33 10	6	Red rectangular daymark, yellow stripe.	Visible 331°-335°.
18789.1 <i>C 4103.1</i>	-Rear, 333° from front.	65° 25.0' N 24° 50.9' E	L.FI.W. period 8s fl. 2s, ec. 6s	102 31	9	Red rectangular daymark, yellow stripe.	Visible 331°-335°.
18790 <i>C 4104</i>	Tyni Range, front.	65° 21.5' N 24° 53.8' E	Q.W.	33 10	6	Red rectangular daymark, yellow stripe.	Visible 170°30'-174°30'.
18790.1 <i>C 4104.1</i>	-Rear, 172°30' from front.	65° 20.9' N 24° 54.0' E	L.FI.W. period 6s fl. 2s, ec. 4s	72 22	7	Red rectangular daymark, yellow stripe.	Visible 170°30'-174°30'.
18791 <i>C 4105</i>	Kraasukka Range, front.	65° 19.4' N 24° 58.2' E	Q.W.	33 10	6	Red rectangular daymark, yellow stripe.	Visible 345°42'-349°42'.
18791.1 <i>C 4105.1</i>	-Rear, 347°42' from front.	65° 20.9' N 24° 57.8' E	L.FI.W. period 6s fl. 2s, ec. 4s	92 28	7	Red rectangular daymark, yellow stripe.	Visible 345°42'-349°42'.
18792 <i>C 4100</i>	Harkaletto.	65° 30.0' N 24° 50.6' E	FI.W.R.G. period 5s fl. 0.5s, ec. 4.5s	48 15	9	Black four-sided concrete tower, white top; 36.	G. 329°-348°, W.-353°, R.-004°, G.-018°, W.-027°, R.-077°, G.-094°30', W.-097°30', R.-122°30', G.-146°, G. 206°-235°, W.-243°, R.-272°.
18796 <i>C 4082.5</i>	Kemi 2.	65° 30.3' N 24° 22.4' E	FI.(2)W. period 6s fl. 0.3s, ec. 1.5s fl. 0.3s, ec. 3.9s	43 13	5	White round tower, red band.	Radar reflector.
18800 <i>C 4112</i>	Liippa Range, front.	65° 32.1' N 25° 02.0' E	Q.W.	14 4	6	Red rectangular daymark, yellow stripe.	Visible 293°-297°. Seasonal.
18804 <i>C 4112.1</i>	-Rear, 113 meters 295° from front.	65° 32.1' N 25° 01.8' E	FI.W. period 3s fl. 0.5s, ec. 2.5s	30 9	8	Red rectangular daymark, yellow stripe.	Visible 293°-297°. Seasonal.
18808 <i>C 4099.4</i>	Tiuranen Range, front.	65° 37.0' N 24° 57.2' E	Q.W.	30 9	6	White rectangular daymark, red stripe.	Visible 092°-096°. Seasonal.
18812 <i>C 4099.5</i>	-Rear, Korkeakari W. Beach, about 1200 meters 094° from front.	65° 35.9' N 24° 58.8' E	V.Q.(5)W. period 6s	54 16	6	White rectangular daymark, red stripe.	Visible 092°-096°. Seasonal.
18816 <i>C 4099</i>	Mantaja Range, front.	65° 37.3' N 24° 52.5' E	Q.W.	28 9	6	White rectangular daymark, red stripe.	Visible 320°-324°. Seasonal.
18820 <i>C 4099.1</i>	-Rear, about 1850 meters 322° from front.	65° 38.1' N 24° 51.1' E	V.Q.(5)W. period 6s	59 18	6	White rectangular daymark, red stripe.	Visible 320°-324°. Seasonal.

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FINLAND-GULF OF BOTHNIA							
18824 <i>C 4098.5</i>	Ykskivi.	65° 36.1' N 24° 42.0' E	Fl.W.R.G. period 4s fl. 0.5s, ec. 3.5s	30 9	4	Red and white tower.	G. 106°-117°30', W.-123°, R.-137°. Seasonal.
18828 <i>C 4083</i>	Keminkraaseli.	65° 36.7' N 24° 33.5' E	Fl.(3)W.R.G. period 12s fl. 0.4s, ec. 1.1s fl. 0.4s, ec. 1.1s fl. 0.4s, ec. 8.6s	82 25	W. 7 R. 2 G. 2	White round concrete tower, upper part black; 78. Helicopter platform.	G. 246°-264°, W.-268°, R.-279°30', G.-334°, G.-339°, W.-344°, R.-022°, G.-036°, W.-041°, R.-076°, G.-135°30', W.-141°, R.-153°30'.
	RACON		T(-)		12		(3 & 10cm).
18830	Pohjantahti Beacon, RACON.	65° 37.6' N 24° 22.4' E	T(-)		11		(3cm).
18832 <i>C 4083.7</i>	Valikivikko.	65° 30.3' N 24° 37.5' E	U.Q.(5)W. period 6s	49 15	5	White mast, black top; 46.	
18836 <i>C 4095</i>	Ajoskrunki Range, front.	65° 37.7' N 24° 35.5' E	L.Fl.W. period 6s	39 12	6	Red rectangular daymark, yellow stripe.	Visible 053°-057°.
18840 <i>C 4095.1</i>	-Rear, about 275 meters 055° from front.	65° 37.8' N 24° 35.8' E	L.Fl.W. period 6s fl. 2s, ec. 4s	79 24	7	Red rectangular daymark, yellow stripe.	Visible 053°-057°.
			L.Fl.W. period 6s fl. 2s, ec. 4s	79 24	7		Visible 227°-231°.
18844 <i>C 4096.3</i>	Ruumiskari Range, front.	65° 39.2' N 24° 39.5' E	Q.Y.	23 7	5	Red rectangular daymark, yellow stripe.	Visible 046°30'-050°30'.
18848 <i>C 4096.31</i>	-Rear, 048°30' from front.	65° 39.2' N 24° 39.6' E	L.Fl.Y. period 8s fl. 2s, ec. 6s	43 13	6	Red rectangular daymark, yellow stripe.	Visible 046°30'-050°30'.
18852 <i>C 4096.34</i>	Satamaranta Range, front.	65° 40.2' N 24° 39.1' E	Q.W.	18 5	8	Red rectangular daymark, yellow stripe.	Visible 128°-132°.
18856 <i>C 4096.35</i>	-Rear, 130° from front.	65° 40.0' N 24° 39.6' E	L.Fl.W. period 6s fl. 2s, ec. 4s	29 9	9	Red rectangular daymark, yellow stripe.	Visible 128°-132°.
18860 <i>C 4097</i>	Pihlajakarilla Range, front.	65° 39.9' N 24° 36.1' E	Iso.W. period 2s	23 7	10	Red rectangular daymark, yellow stripe.	Visible 018°-029°.
18864 <i>C 4097.1</i>	-Rear, 023°30' from front.	65° 40.3' N 24° 36.5' E	L.Fl.W. period 6s fl. 2s, ec. 4s	49 15	13	Red rectangular daymark, yellow stripe.	Visible 018°-029°.
18868 <i>C 4096.4</i>	Rytikaripenger Range, front.	65° 40.8' N 24° 38.2' E	Q.R.	36 11	10	Red rectangular daymark, white stripe.	Visible 354°-359°.
18872 <i>C 4096.41</i>	-Rear, 356°30' from front.	65° 41.1' N 24° 38.1' E	Iso.R. period 6s	65 20	10	Red rectangular daymark, white stripe.	Visible 354°-359°.
18880 <i>C 4096.5</i>	Kannonokka Range, front.	65° 41.3' N 24° 35.8' E	Q.W.	59 18	7	Red rectangular daymark, yellow stripe.	Visible 307°30'-311°30'.
18884 <i>C 4096.51</i>	-Rear, 309°30' from front.	65° 41.4' N 24° 35.5' E	L.Fl.W. period 8s fl. 2s, ec. 6s	85 26	9	Red rectangular daymark, yellow stripe.	Visible 307°30'-311°30'.
KEMI:							
18892 <i>C 4084</i>	-Ajos Range, front.	65° 39.8' N 24° 30.8' E	Iso.Y. period 2s	72 22	12	Red rectangular daymark, yellow stripe.	Visible 012°-017°. Pilot station.
18896 <i>C 4084.1</i>	--Rear, 1130 meters 014°30' from front.	65° 40.5' N 24° 31.2' E	Iso.Y. period 6s	121 37	12	Red rectangular daymark, yellow stripe.	Visible 012°-017°.
18898 <i>C 4096.15</i>	-Ajos Murhanicmenkallio Range, front.	65° 39.6' N 24° 35.4' E	Q.W.	16 5	6	White rectangular daymark, black stripe.	Visible 332°30'-336°30'. Seasonal.
18898.1 <i>C 4096.16</i>	--Rear, about 890 meters 334°30' from front.	65° 40.0' N 24° 35.0' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	46 14	6	White rectangular daymark, black stripe.	Visible 332°30'-336°30'. Seasonal.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF BOTHNIA							
18900 <i>C 4083.5</i>	-Kemi 3, border marker.	65° 36.1' N 24° 28.0' E	V.Q.(6)+L.FI.W. period 10s	39 12	3	S. CARDINAL YB, beacon, topmark.	Radar reflector.
18908 <i>C 4085.4</i>	-Lehtikari Range, front.	65° 41.5' N 24° 30.1' E	Q.W.	16 5	5	Red rectangular daymark, yellow stripe.	Visible 343°-003°.
18912 <i>C 4085.41</i>	--Rear, 180 meters 353°12' from front.	65° 41.6' N 24° 30.1' E	L.FI.W. period 6s fl. 2s, ec. 4s	30 9	6	Red rectangular daymark, yellow stripe.	Visible 343°-003°.
18916 <i>C 4085.7</i>	-Tuomilahti Range, front.	65° 40.6' N 24° 31.8' E	Q.W.	16 5	6	White rectangular daymark, red stripe.	Visible 190°30'-195°30'.
18920 <i>C 4085.71</i>	--Rear, 193° from front.	65° 40.5' N 24° 31.8' E	Iso.W. period 6s	30 9	7	White rectangular daymark, red stripe.	Visible 190°30'-195°30'.
18924 <i>C 4085.8</i>	-Laitakari Range, front.	65° 43.1' N 24° 34.4' E	Q.W.	17 5	6	Red rectangular daymark, yellow stripe.	Visible 036°-041°.
18928 <i>C 4085.81</i>	--Rear 039° from front.	65° 43.4' N 24° 35.1' E	Iso.W. period 6s	41 12	7	Red rectangular daymark, yellow stripe.	Visible 036°-041°.
18932 <i>C 4085.6</i>	-Munakari Range, front.	65° 41.8' N 24° 33.7' E	Q.W.	15 5	6	White rectangular daymark, red stripe.	Visible 041°30'-046°30'.
18936 <i>C 4085.61</i>	--Rear, 043°30' from front.	65° 43.1' N 24° 34.2' E	L.FI.W. period 8s fl. 2s, ec. 6s	38 12	7	White rectangular daymark, red stripe.	Visible 041°30'-046°30'.
18948 <i>C 4086</i>	-Mansikkanokka Range, front.	65° 43.6' N 24° 33.6' E	F.R.	26 8	2	Red rectangular daymark, yellow stripe.	Visible 311°-071°.
18948.1 <i>C 4086.1</i>	--Rear, 630 meters 010°30' from front.	65° 43.9' N 24° 33.8' E	F.R.	134 41	4	Tower.	Visible 354°-038°.
18952 <i>C 4090</i>	-Pajusaari Range, front, S. beach of Kukeli Island.	65° 44.5' N 24° 32.3' E	F.R.	15 5	4	White rectangular daymark, black stripe.	Visible 260°-080°.
18956 <i>C 4090.1</i>	--Rear, 337° from front.	65° 44.6' N 24° 32.3' E	F.R.	30 9	4	White rectangular daymark, black stripe.	Visible 260°-080°.
TORNIO:							
18960 <i>C 5694</i>	-Mainua Range, front.	65° 39.5' N 24° 16.6' E	Q.W.	20 6	7	Red rectangular daymark, yellow stripe.	Visible 305°-309°.
18964 <i>C 5694.1</i>	--Rear, Mainua Island, SE. side, about 2.2 km. 307°24' from front.	65° 40.3' N 24° 14.3' E	L.FI.W. period 8s fl. 2s, ec. 6s	85 26	9	Red square daymark, yellow stripe.	Visible 305°-309°.
18965 <i>C 5700</i>	-Hamnskar Range, front.	65° 41.4' N 24° 09.3' E	Q.W.	39 12	6	Red rectangular daymark, white stripe.	Visible 314°30'-318°30'. Shown Apr. 1 to Jun. 1 and Jul. 20 to close of navigation.
18965.1 <i>C 5700.1</i>	--Rear, 1.6 miles 316°30' from front.	65° 42.5' N 24° 06.8' E	L.FI.W. period 8s	95 29	6	Red rectangular daymark, white stripe.	Visible 314°30'-318°30'. Shown Apr. 1 to Jun. 1 and Jul. 20 to close of navigation.
KEMI:							
18968 <i>C 5697</i>	-Roytta Range, front, on wharf.	65° 46.0' N 24° 09.0' E	Iso.W. period 2s	20 6	10	Red rectangular daymark, yellow stripe.	Visible 337°-357°.
18972 <i>C 5697.1</i>	--Rear, 585 meters 347° from front.	65° 46.2' N 24° 08.8' E	FI.W.R.G. period 3s fl. 1s, ec. 2s	83 25	W. 15 R. 3 G. 1	Red rectangular daymark, yellow stripe.	G. 342°-346°30', W.-347°30', R.-352°.
18976 <i>C 5697.3</i>	Koivuluodonletto.	65° 46.0' N 24° 14.0' E	V.Q.(3)W. period 5s	21 6	4	Gray mast.	Fishing light.

Section 11

Radiobeacons

(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
GERMANY							
100	Kiel Light Station	54° 30.0' N 10° 16.5' E	KI (- - - ••).	20		310 A1A.	
110	Friedrichsort Light Station Calibration Radiobeacon	54° 23.5' N 10° 11.7' E	FB (•••• -••••).			312.6, 2168 A2A.	Transmits on request to Wasser and Schiffahrtsamt, Lubeck through Revierzentrale Travemunde, telephone (04502) 71117, telex 261 419.
130	Travemunde Calibration Radiobeacon	53° 57.8' N 10° 53.0' E	UB (••• -••••).			312.6, 2168 A2A.	Transmits on request to Wasser and Schiffahrtsamt, Lubeck through Revierzentrale Travemunde, telephone (04502) 84750, fax (04502) 8475527, telex 261 419.
140	Warnemunde Calibration Radiobeacon	54° 10.6' N 12° 05.9' E	LHD (• -••• •••• -•••).			312, 2200 A1A, A2A.	Transmits on request to Warnemunde Pilot Station on VHF channel 12 or telephone (50-01) 539 1407. Iso.W. light shown from pilot station.
150	Sassnitz Calibration Radiobeacon	54° 30.7' N 13° 38.7' E	SAZ (•••• -• -••••).			312, 2200 A1A, A2A.	Transmits on request to Sassnitz Harbor Master on VHF channel 14. 24 hour notice required.
POLAND							
200	Swinoujscie	53° 55.0' N 14° 17.2' E	S (••••).	50		296.5 A1A.	
201	Swinoujscie Calibration Radiobeacon		S (••••).			296.5 A1A.	Transmits on request to Swinoujscie main light on VHF channels 12 and 16.
210	Darlowo Calibration Radiobeacon	54° 26.5' N 16° 22.9' E	D (-•••).			309 A1A, A2A.	Transmits on request to Darlowo light on VHF channel 16.
RUSSIA							
260	Baltiysk	54° 38.0' N 19° 55.0' E	BK (-•••• -).	80	VI	299 A1A.	
LATVIA							
300	Mys Taran (Brusterort) Light Station, Russia	54° 57.7' N 19° 59.0' E	BT (-•••• -). period 360s tr (interrupted by a long dash) 60s si 300s	120	V	312.5 A1A.	
311	Ventspils Calibration Radiobeacon		P (• - - •).	20		300.5, 309.5 A1A.	Transmits on request to Port Captain, Ventspils through Ventspils (UNI) on VHF channel 16. Two hours prior notice required.
320	Irbenskiy Light Station	57° 45.1' N 21° 44.1' E	YuH (••• - -•••••). period 360s tr(6) 19.5s, si 1s (—) 25s, si 1s tr(2) 6.5s, si 307s	35		285.5 A1A.	

(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
RUSSIA							
420	Mys Lounatrivi Light Station	60° 00.7' N 27° 00.5' E	YuG (••-- --•).	50		294.5 A1A.	
430	Kaybolovo Light Station	59° 44.5' N 28° 02.0' E	KA (-•- •-). period 360s tr(4) 20s (—) 25s tr(2) 10s si 305s	70	I	294.5 A2A.	
FINLAND							
470	Porkkala Pilot Station	59° 52.1' N 24° 18.4' E	PR (•--• •-•).	60		284.5 A1A.	
480	Mantyluoto	61° 35.6' N 21° 27.9' E	MYa (-- •-•-).	60		297.5 A1A.	

Section 12

Differential GPS Stations

(1) No.	(2) Name	(3) Position	(4) Station ID	(5) Range	(6) Frequency	(7) Transfer Rate	(8) Remarks
DENMARK							
10	Hammer Odde	55° 17.9' N 14° 46.4' E	T 451	178	289.5	100	Message Types: 3,7,9,16.
20	Skagen, W	57° 44.9' N 10° 35.7' E	T 453	145	296	100	Message Types: 3,7,9,16.
POLAND							
40	Dziwnow	54° 01.3' N 14° 43.9' E	T 481	80	283.5	200	Message Types: 1,3,7,16.
FINLAND							
160	Mantyluoto	61° 35.6' N 21° 27.7' E	T 401 R 601	135	287.5	100	Message Types: 3,6,7,9,16.
170	Outokumpu	62° 41.0' N 29° 01.6' E	T 403 R 603	49	304.5	100	Message Types: 3,6,7,9,16.
180	Porkkala	59° 58.5' N 24° 23.7' E	T 400 R 600	135	293.5	100	Message Types: 3,6,7,9,16.
190	Puumala	61° 24.3' N 28° 13.8' E	T 402 R 602	49	290	100	Message Types: 3,6,7,9,16.
200	Turku	60° 25.9' N 22° 13.2' E	T 404 R 604	108	301.5	100	Message Types: 3,6,7,9,16.
SWEDEN							
210	Bjuroklubb	64° 28.9' N 21° 34.8' E	T 461	108	311.5	100	Message Types: 3,6,7,9,16.
220	Jarnas	63° 28.7' N 19° 39.2' E	T 462	130	289	100	Message Types: 3,6,7,9,16.
250	Nynashamn	58° 55.0' N 17° 56.9' E	T 468	130	298	100	Message Types: 3,6,7,9,16.
260	Hoburg	56° 55.3' N 18° 09.1' E	T 465	130	297.5	100	Message Types: 3,6,7,9,16.
270	Kullen	56° 18.1' N 12° 27.1' E	T 466	108	293	100	Message Types: 3,6,7,9,16.
280	Hjortens Udde	58° 38.3' N 12° 40.0' E	T 467	68	302	100	Message Types: 3,6,7,9,16.

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Soru	12708	Stotbotten	8104	Taasinge	3840
Sorve Saar	12672	STRALSUND APPROACH	5872, 5940	Tainio	13824
SOTE FJORD	208	Strandanäs	824	Takhuna Point	12728
Sotens Svartskar	204	Strander Bucht	3096	Taksensand	2716
Sottrupskov	2708	Stretudden	332	TALLINN	12784
Sovinnonmatala	13432	Strib	2472	Tallinn	12796
Sparo	8218	Strommingbadan	17820	Tallinnamadal	12784
Spikarna	10796	Stromskaten	10832	Tallorn	14224
Spodsbjaerg	3936	Stromstad (Killingsholmen)	28	Tallskarshalet	8248
Spodsbjerg	3952	Strukkamphuk	3216	Tammio	13401
Sprangsviken	10848	Strupo Ljunskar	8160	Tan	340
St. Jorgens	3888	Stryno	2840	Tangonsaari	18740
Staberhuk	3192	Stubbekobing	4348	Tangudden	972
Stabogrund	9676	Stubben	18176	Tankar	18224
Staboudde	9672	Stubbkäl	15384	Tanneskar	1068
Stakki	17544	Studstrupvaerkets Havn	2264	Tameskar	468
Stangeskar	132	Stumholmen (Karlskrona)	7556	Tamo	7412
Stanggrundet	10260	Sundby	4944	Tamo Ostra	7416
Stangholmen	388	SUNDSVALL APPROACH	10760	Tat	5860
Stannkobben	9096	Sunholma	13402	Taude	12328
Stavrby Skov	2508	Sunila	13624	Taulukari	18268
				Tauvo (Haikaraki)	18444

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INDEX – LIGHTS

Tegelhallan	9368	Tunnholmen	8184	Valo (Varo)	1176
Teglvaerkslobet	4866	TUNO	2300	Valsudde	10872
TEJN HAVN	5824	Tunoren	7264	Vamoviken	7600
Tervasaari	13516	Tuomilahti	18916	Vana Sadam	12810
Testholmen	176	Tuvan	11232	Vandburg	9956
Tiirakari (Tirgrund)	14440	Tvibenan	16756	Vandvik	10120
Tiiskeri	13936	Tvikobb Islet	9332	Vanta Litetsgrund	10810
Tillingeo	8068	Tylogrund	1404	VARBERG	1304
Timmendorf	3328	Tyni	18790	Varissaari	13538
Tirhall	14324	Tynningo	9496	Varjakka	18445
Tirpitzhafen	3124			Varmdo-Garpen	9484
Tistelo	10088	U		Varmdolandet	9440
Tisterogrundet	9464	Uckermunde	6484	Varvio	13433
Tistlama	1160	Udbyhoi	1972	Vasikkaluoto	13392
Tiuranen	18808	Udbyhoj (Vasehuse)	1936	Vasikkapulteri	13344
Tjarnbadan	17972	UDDEVALLA APPROACH	732	Vasikkasaari (Kalvholm)	14596
Tjaruskarssund	11048	Uddviken	11852	Vaskonkari	13388
Tjarven	9576	Ulkokalla	18392	Vassarogrund	10180
Tjocko	9600	Ulkokrunni	18776	Vassikkaniemi (Mantyluoto)	17464
Tjufoom	15510	Ulkomatala	14518	Vasskarssgrund	1080
Tjurholmsknappen	8	Ullbacka	10568	Vastari	13398.2
Tjurko	7632	Ulvohamn	10904	Vasterbadan	8232, 15220
Tjuvholmen	10768	Ulvosundet	10913	Vasterhalet	9116
Tjuvkistan	11400	UMEA APPROACH	11132	Vasteristron	15290
Tokenasudde	8108	Umea Uthamn	11212	Vasterkobb Rock	9360
Tolbukhin	13012	Understen	10016	Vasterskarssgrund	11932
Tollingbadan	16788	Ungskar	7684	Vastra	5192
Tolvoregrundet	10192	Urbe Kalis Hill	11984	Vastra Banken	10308
Toppila	18608	Urmluoto	17280	Vastra Ekno	8188
Toppilansalmi	18604	USTKA	6584	Vastra Forsankningen	7564
TOREKOV	1460	Ustka	6584	Vastra Haga	9524
Torhamn	7680	Utbadan	16770	Vastra Korpen	8624
TORNIO	18960	Utgrunden	7780	Vastra Kvarken Rofagern	11240
Tornskar	8872	Utgrynnan	18172	Vastra Kvamhallan	9036
Torra Hasten	14320	Utklippan	7696	Vastra Roko	8888
Torbanken	9220	UTKLIPPAN FISHING HARBOR	7700	Vatiniki	13399.4
Tormulen	9052	Utlangan	7708	Vatnasudde	10612
Torro Stickskar	8368	UTO	15808	Vattenholmen	76
Torroudd	8316	Utterklint	15296	Vattklubben	8904
Torskklabb	8348	Uusimatala	14536	Vaxlet Norra	9656
Torso	7284	UUSUIKAUPUNKI APPROACH	17208	Vaxlet Sodra	9660
Tradskar	8332	Uzava	12140	Veckargrund	17964
Tralhamn	10516			Veda	10880
Tranerodde	2712	V		Vedback Havn	4712
Traslov	1344	Vaasa	17928	Vehkaluoto	13420
TRAVEMUNDE	3296	VAASA-RITGRUND APPROACH	17824	Vehkaperä	18652
Trebroderssund	8300	VAASA-WEST APPROACH	17912	Veitkari	13404
Tredjedelssternarna	17812	Vacker Rock	128	VEJLE FJORD	2460
TRELLEBORG (TRALLEBORG)	5572	VADDO KANAL	10116	Vejle Havn	2464
Trodjehallan	10428	Vagga Sodra	7428	Vejro	4216
Troense	3852	Vaha Hauteri	16988	Velperkari	13400
Trollharen	10484	Vahemadal	12793	Ven	5284
Trubaduren	1024	Vaindlo	12928	VEN (HVEN)	5272
Trullevin	18258	Vainupaa	12924	VE NE-BALTI harbor S basin pier light beacon, or N mole.	12782
Trutbadan	8744	Vaktaren	11140	Vengeancegrund	4084
Truthallan	17828	Valar	9740	Vens Sodra Udde	5280
Trutholmen	14380	Valaro	8764	VENTSPILS	12145
Trutkobben	14408	Valassaaret	18148	Ventspils	12144
Trutkubbsklackarna Rysakivi	14416	Valaste	12948	VERGI	12920
Trutskarsbadan	11896	Valikivikko	18541, 18832	Verkkoniemi	13700
Trutsten	14316	Valkeakari	17368	Verko	7616
Trybergsholm	172	Vallersvik	9700	Vestero Havn	1664
Trysundaon	10920	Vallvik	10492, 10524	Vesteroode	4180
Trzebiez	6300	Valnas	15356	Viad	8996
Tullholm (Tullisaari)	15320	Valo	10836	Viasvesi	17440
Tulliniemi	15188			Vigrund	12964
Tummelso	17940				

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Vhaspauha	18356	VISBY	9792	Wielki Karu	6382
Viikari	13692	Vitaskar	7420	WIELKI ZALEW	6216
Viikarinsalmi	13571.3	Vitemolla	7192	WISMAR	3372
Viimsi	12804	Viten	1040	Wyspa Zurawia	6440
Viirelaid	12516	Vitfagelrannan	11696		
Viken	5128	Vitgrund	10604, 15512	Y	
Vikhog	5340	Vitso	2796	Yderflak	3528
Vilissalo	17208	Vitudden	8280	Yderhavn	4832
Villinginluoto	14344	Vkhodoy	12148	Ykskivi	18824
Villinsgrundet	11000	VOOSIKURK	12600	YKSPIHLAJA	18224
Vilniemi	13496	Vordingborg	4336	Yngsjo	7200
Vilsandi Saar	12684	VORMSIKURK	12552	YSTAD	5624
Vindalso Islet	9132	Vostochni Basseyne	12296	Ytternasan	10892
Vindbaden	9044	VYBORG APPROACH	13112	Ytterslandet	11900
Vindebyore	3892	Vyborgskiy	13258	Ytterstoren	18140
Vindhamn	7452			Ytre Vannskar	11324
VINGA SAND	1020	W		Yugoslav	6808
Vinga Ungar	1044	Wallhamn Roda	736	Yuodkrante	11996
Vingaskar	1456	Warder	3148	Yxhammarskubben	9376
Vinkelfyr	4108	Warnemunde	3428	Yxlan	9652
Vinokrakan	8164	WARNEMUNDE-HAFEN	3428		
Vinterholmen	754	Wendorf Seebad	3356	Z	
Vinterklasen	8644	West Bratten	3908	ZAPADNAYA DVINA	12268
Vintervagsgrund	17876	West Kurpniesala	12364	Zatoka Skoszewska	6244
Virpiniemi	18660	Westermarkelsdorf	3164	Zulawy	6372
Virpipera	18408	Wieck	6008		
Virtsu	12520				

INDEX – RADIOBEACONS

B		K		S	
Baltiysk	260	Kaybolovo	430	Sassnitz	150
		Kiel	100	Swinoujscie	200
D		M		T	
Darlowo	210	Mantyluoto	480	Travemunde	130
		Mys Lounatrivi	420		
		Mys Taran	300	W	
F		P		Warnemunde	140
Friedrichsort	110	Porkkala	470		
I					
Irbenskiy	320				

INDEX – DIFFERENTIAL GPS BEACONS

B	K	P
Bjuroklubb .....210	Kullen..... 270	Porkkala..... 180
		Puumala 190
H	M	S
Hammer Odde..... 10	Mantyluoto..... 160	Skagen, W..... 20
Hjortens Udde..... 280		
Hoburg..... 260	N	T
	Nynashamn..... 250	Turku..... 200
J	O	
Jarnas .....220	Outokumpu 170	

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

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
2548.1		5740	C0101		1836	C0253		2172	C0360		356
C0001		1520	C0101.1		1841	C0254		2176	C0360.1		360
C0002		1524	C0102		1844	C0255		2152	C0361		260
C0004		1544	C0102.1		1848	C0255.1		2156	C0364		308
C0004.4		1540	C0106		1860	C0257		2168	C0364.1		312
C0006		1548	C0106.1		1864	C0257.5		2164	C0366		348
C0009		1556	C0110		1868	C0260.5		2132	C0368		272
C0010		1560	C0110.1		1872	C0260.6		2136	C0369		268
C0016		1576	C0121.6		1884	C0260.7		2138	C0370		284
C0017		1572	C0121.7		1888	C0262		2208	C0370.1		288
C0020		1584	C0124		1904	C0277		4	C0371		282
C0024		1588	C0125		1908	C0279		8	C0372		292
C0025		1598	C0126		1912	C0280		12	C0372.1		296
C0025.1		1598.1	C0126.1		1916	C0280.01		16	C0375		276
C0026		1596	C0127		1920	C0281		20	C0376		316
C0026.3		1597	C0127.1		1924	C0281.01		24	C0376.2		320
C0027		1592	C0128		1928	C0282		28	C0376.4		324
C0027.3		1593	C0128.1		1932	C0283		32	C0376.41		328
C0027.6		1630	C0164		1976	C0284		36	C0376.42		329
C0028		1608	C0166		1980	C0285		40	C0376.43		330
C0029		1610	C0168		1984	C0287		44	C0376.5		332
C0029.5		1602	C0170		1992	C0289		56	C0376.51		336
C0031		1612	C0172		1988	C0289.01		60	C0378.2		340
C0031.2		1616	C0176		1936	C0290		48	C0378.4		372
C0032		1628	C0178		1940	C0291		64	C0378.6		344
C0033		1632	C0178.1		1944	C0291.1		52	C0379		364
C0034		1636	C0182		1948	C0293		76	C0380		376
C0036		1640	C0182.1		1952	C0298		68	C0381		378
C0038		1644	C0184		1956	C0298.01		72	C0381.5		380
C0044		1648	C0184.1		1960	C0300		84	C0382		396
C0048		1664	C0186		1964	C0301		88	C0384		392
C0049		1668	C0188		1968	C0302		92	C0388		388
C0050		1672	C0190		1972	C0304		96	C0390		400
C0050.1		1676	C0195		2000	C0306		112	C0390.5		402
C0054		1656	C0195.2		2004	C0308		116	C0392		404
C0055		1660	C0200		2008	C0310		114	C0392.5		416
C0057		1652	C0204		2012	C0312		120	C0392.7		417
C0061		1696	C0209		2020	C0312.01		124	C0392.8		418
C0065		1742	C0210		2024	C0314		128	C0394		432
C0065.2		1743	C0212		2028	C0316		152	C0398		436
C0066		1744	C0214		2032	C0316.01		156	C0400		440
C0066.8		1724	C0214.4		2034	C0317		144	C0402		444
C0067		1732	C0214.6		2034.1	C0317.01		148	C0404		448
C0067.2		1736	C0220		2040	C0319		140	C0409		452
C0069		1748	C0222		2044	C0320		132	C0409.1		456
C0069.5		1752	C0226		2052	C0322		160	C0409.5		460
C0072		1760	C0228		2056	C0324		136	C0409.6		464
C0072.1		1764	C0230		2060	C0327		184	C0410		468
C0073		1766	C0233		2080	C0328		176	C0410.1		472
C0076		1768	C0234		2084	C0329		172	C0410.5		476
C0076.1		1772	C0237		2076	C0330		168	C0411		480
C0078		1776	C0238		2072	C0331		164	C0411.4		484
C0079.9		1800	C0239.42		2096	C0334		196	C0411.5		488
C0080		1804	C0239.43		2100	C0335		192	C0411.6		492
C0080.1		1808	C0239.44		2104	C0337		180	C0411.9		496
C0082		1812	C0239.45		2108	C0338		200	C0412		498
C0082.1		1816	C0239.7		2116	C0339		204	C0412.5		500
C0084		1780	C0239.71		2120	C0340		208	C0412.7		504
C0084.1		1784	C0242		2140	C0340.01		212	C0413		512
C0088.9		1796	C0242.1		2144	C0344		220	C0413.3		508
C0089		1788	C0243		2204	C0344.1		224	C0413.5		516
C0089.1		1792	C0244		2196	C0352		240	C0414		840
C0098		1828	C0246		2200	C0353		242	C0414.5		848.1,
C0098.1		1832	C0248		2180	C0354		244	848.2		
C0100.9		1840	C0248.1		2184	C0354.1		248	C0416		852

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Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
C0416.1		856	C0504.3		776	C0583.5		1124.5	C0728.3		1400
C0417		836	C0504.31		780	C0583.51		1124.6	C0734		1401
C0417.5		832	C0504.36		784	C0589		1144	C0734.1		1401.1
C0418		828	C0504.37		788	C0594		1148	C0734.2		1403
C0419		826	C0504.4		792	C0618		1058	C0734.21		1403.1
C0422		528	C0504.41		796	C0619		1056	C0735		1404
C0426		544.1	C0504.6		800	C0620		1036	C0737		1408
C0427		544	C0504.61		804	C0623		1156	C0738		1416
C0428		540	C0506		808	C0624		1152	C0739		1428
C0430		548	C0507		810	C0625		1160	C0739.1		1432
C0434		552	C0508		816	C0626		1164	C0739.4		1441
C0434.1		556	C0510		812	C0628		1176	C0739.5		1442
C0438		560	C0511		820	C0630		1180	C0740		1436
C0438.1		564	C0511.4		819	C0632		1184	C0740.1		1440
C0444		568	C0512		824	C0634		1196	C0746		1420
C0446		572	C0514		860	C0636		1188	C0746.1		1424
C0447		576	C0514.1		864	C0644		1200	C0752		1444
C0447.1		580	C0517		868	C0650		1212	C0752.1		1448
C0448		584	C0520		876	C0652		1208	C0772		2220
C0450		604	C0521		872	C0654		1216	C0773.4		2232
C0452		608	C0523		888	C0656		1132	C0774		2234
C0456		588	C0525		884	C0658		1168	C0774.1		2234.1
C0458		592	C0525.5		886	C0659		1166	C0776		2233
C0460		596	C0526		892	C0660		1172	C0776.1		2233.1
C0462		600	C0526.1		896	C0664		1240	C0776.3		2248
C0463		612	C0528		916	C0666		1232	C0776.4		2244
C0464		616	C0530		920	C0670		1228	C0777		2250
C0468		620	C0530.1		924	C0671		1296	C0780.4		2218.1
C0468.1		624	C0532		928	C0673		1236	C0781		2218
C0472		628	C0532.1		932	C0674		1244	C0782		2212
C0474		632	C0536		936	C0680		1256	C0782.1		2216
C0474.1		636	C0536.1		940	C0682		1268	C0786		2252
C0482		648	C0546		984	C0682.5		1285	C0789.5		2294
C0482.1		652	C0546.1		988	C0682.51		1285.1	C0789.8		2277.1
C0485		656	C0552		960	C0682.6		1272	C0789.85		2277.5
C0485.1		660	C0552.1		964	C0682.61		1276	C0792		2280
C0486		664	C0556		968	C0682.7		1280	C0793		2282
C0488		668	C0556.3		959	C0682.71		1284	C0793.9		2283
C0488.1		672	C0556.5		958	C0683		1288	C0794.3		2288
C0489		708	C0557		944	C0683.1		1292	C0795		2289
C0489.4		701	C0557.1		948	C0683.2		1294	C0796		2286
C0490		680	C0558		972	C0683.21		1295	C0796.1		2286.1
C0490.6		684	C0559		974	C0683.4		1260	C0800		2277
C0491		688	C0559.1		975	C0683.5		1264	C0808		2292
C0491.1		690	C0560		992	C0684		1300	C0810		2258
C0491.4		692	C0561		996	C0692		1304	C0812		2271
C0491.5		696	C0562		1012	C0692.1		1308	C0812.5		2271.1
C0493		712	C0562.6		1000	C0693		1312	C0813		2269
C0494		720	C0563		1004	C0693.1		1316	C0813.2		2270
C0494.8		716	C0564		1044	C0698		1328	C0814		2264
C0496		724	C0564.5		1042	C0698.1		1332	C0814.1		2268
C0498		728	C0565		1020	C0698.4		1320	C0818		2262
C0499		730	C0566		1048	C0698.5		1324	C0819		2260
C0500		731	C0566.1		1052	C0704		1340	C0821		2296
C0501		732	C0567		1040	C0706		1344	C0822		2300
C0502		752	C0569		1024	C0708		1348	C0824		2304
C0502.2		736	C0570		1064	C0708.1		1352	C0837		2328
C0502.21		740	C0571		1075	C0714		1356	C0838		2332
C0502.4		744	C0571.6		1080	C0716		1360	C0839		2336
C0502.41		748	C0573		1088	C0722		1368	C0842		2340
C0503		754	C0574		943	C0724		1372	C0844		2344
C0503.4		760	C0575		1092	C0724.1		1376	C0846		2345
C0503.6		756	C0577		1068	C0726		1380	C0848		2352
C0504.2		768	C0583		1124.2	C0726.1		1384	C0850		2348
C0504.21		772	C0583.1		1124.21	C0728.2		1396	C0852		2346

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

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
C0852.5		2347.1	C0988		2636	C1104		2876	C1312		3236
C0852.6		2347	C0988.4		2648	C1113		2900	C1316		3200
C0856		2368	C0989.4		2644	C1115		2912	C1322		3208
C0856.1		2372	C0989.6		2640	C1115.1		2916	C1324		3212
C0860		2376	C0989.8		2736	C1115.4		2893	C1326		3196
C0860.1		2380	C0989.81		2740	C1115.5		2880	C1328		3156
C0866		2384	C0991		2748	C1116.4		2888	C1329		3148
C0866.1		2388	C0992		2752	C1117		2892	C1329.1		3152
C0870		2392	C0994		2760	C1122		2708	C1336		3140
C0870.1		2396	C0998		2764	C1126		2920	C1338		3144
C0876		2400	C0998.1		2768	C1126.1		2924	C1342		3244
C0876.1		2404	C1004		2776	C1134		2928	C1346		3248
C0877		2406	C1004.1		2780	C1136		2932	C1348		3252
C0880		2408	C1016		2788	C1136.1		2936	C1348.1		3256
C0884		2416	C1020		2784	C1137		2940	C1348.4		3260
C0885		2420	C1020.5		3926	C1140		2952	C1348.41		3264
C0888		2436	C1021.4		3927	C1140.1		2956	C1350		3272
C0890		2440	C1021.41		3927.1	C1146		2960	C1350.1		3276
C0890.2		2442	C1022		3924	C1146.1		2964	C1360		3304
C0890.21		2442.1	C1030		2652	C1166		2944	C1362		3308
C0890.4		2444	C1032		2712	C1166.1		2948	C1365.9		3302
C0893.5		2432	C1034		2716	C1175		2966	C1365.95		3303
C0894		2460	C1035.3		2718	C1175.5		2966.1	C1370		3296
C0900		2464	C1035.4		2720	C1176		2972	C1370.1		3300
C0900.1		2468	C1035.8		2724	C1180		2980	C1380.2		3315.1
C0904		2448	C1037		2728	C1180.1		2984	C1380.3		3315.2
C0908		2452	C1037.1		2732	C1186		3000	C1382		3316
C0908.1		2456	C1042		2852	C1188		3004	C1382.1		3320
C0911		2484	C1046		2856	C1188.1		3008	C1386		3328
C0918		2492	C1048		2656	C1189		3036	C1386.4		3315
C0919		2496	C1050		2660	C1189.1		3040	C1387.8		3342
C0919.4		2512	C1050.1		2664	C1190		3044	C1387.9		3344
C0919.41		2516	C1052		2668	C1190.1		3048	C1388		3348
C0920		2500	C1052.1		2672	C1192		3052	C1388.1		3352
C0920.2		2504	C1055		2676	C1192.1		3056	C1388.6		3356
C0922		2472	C1055.1		2680	C1197		3057	C1388.7		3360
C0923		2524	C1065		2684	C1198		3058	C1390		3364
C0924		2508	C1066		2704	C1202		3060	C1390.1		3368
C0925		2520	C1067		2696	C1203		3064	C1392		3372
C0928		2528	C1067.1		2700	C1206		3068	C1392.1		3376
C0932		2536	C1067.4		2688	C1210		3072	C1398		3330
C0934		2544	C1067.5		2692	C1214		3074	C1398.5		3331
C0936		2540	C1068		2796	C1215		3080	C1400		3412
C0938		2548	C1068.1		2800	C1216		3084	C1404		3428
C0944		2552	C1070		2792	C1220		3096	C1405		3452
C0948		2560	C1074		2804	C1222		3100	C1415		3432
C0949		2564	C1076		2812	C1226		3104	C1415.1		3436
C0949.1		2568	C1076.1		2816	C1226.1		3108	C1430.7		3442
C0950		2556	C1077		2818	C1230		3112	C1436		3512
C0956		2572	C1078		2808	C1237		3128	C1440		3516
C0958		2576	C1082		2836	C1238		3124	C1440.5		3517
C0958.1		2580	C1084		2833	C1246		3116	C1470		3520
C0959		2588	C1084.1		2833.1	C1248		3120	C1476		3524
C0960		2584	C1084.3		2834	C1276		3136	C1478		2036
C0962		2596	C1084.31		2834.1	C1280		3164	C1480		3528
C0964		2592	C1086		2820	C1281		3172	C1483		3532
C0968		2608	C1086.1		2824	C1281.1		3176	C1483.1		3536
C0968.1		2612	C1087		2825	C1282		3180	C1484		3540
C0969		2628	C1087.1		2825.1	C1282.2		3184	C1484.2		3544
C0970		2620	C1087.8		2826	C1284		3188	C1486		3556
C0970.4		2624	C1088		2828	C1286		3192	C1487.1		3564
C0970.6		2632	C1088.1		2832	C1287		3194	C1487.2		3560
C0977		2616	C1098		2864	C1288		3216	C1489		3572
C0982		2617	C1098.1		2868	C1288.1		3220	C1489.1		3576
C0983		2618	C1100		2872	C1300		3228	C1491		3580

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

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
C1495		3589	C1594.7		3896	C1718.3		4168.5	C1881.1		4608
C1497		3548	C1595		3900	C1718.31		4168.51	C1881.5		4602
C1497.4		3552	C1595.1		3904	C1718.9		4176	C1881.51		4603
C1498		3592	C1600		3884	C1719		4172	C1884		4612
C1500		3596	C1606		3876	C1719.1		4180	C1890		4632
C1504		3600	C1606.1		3878	C1719.4		4184	C1890.1		4636
C1507.3		3616	C1612		3848	C1719.41		4188	C1891		4640
C1508		3618	C1614		3852	C1720.4		4148	C1891.1		4644
C1509		3620	C1624		3864	C1720.41		4152	C1894		4648
C1509.1		3624	C1624.1		3868	C1721.7		4225	C1894.1		4652
C1509.4		3626	C1634		3840	C1721.71		4225.1	C1898		4624
C1510		3628	C1634.1		3844	C1723		4220	C1898.1		4628
C1510.1		3632	C1638		4124	C1723.1		4224	C1900		4616
C1510.4		3633	C1640		4120	C1726		4140	C1900.1		4620
C1510.41		3633.1	C1642		4116	C1726.1		4144	C1902		4664
C1512		3642	C1643		4108	C1730		4136	C1903		4656
C1524		3676	C1645		4032	C1732		4216	C1904		4660
C1526		3648	C1645.1		4036	C1734		4240	C1904.5		4668
C1530.5		3656	C1645.4		4064	C1736		4256	C1908		4672
C1530.6		3660	C1645.5		4068	C1736.1		4260	C1912		4676
C1531		3664	C1646		4096	C1740		4236	C1914		4684
C1531.1		3668	C1646.1		4100	C1741		4228	C1916		4692
C1531.4		3652	C1647		4072	C1742		4232	C1918		4696
C1532		3830	C1647.1		4076	C1748		4264	C1920		4700
C1532.2		3688	C1648		4092	C1749		4268	C1924		4704
C1532.6		3690.23	C1649.7		4040	C1752		4248	C1925		4706
C1532.601		3690.33	C1650		4056	C1752.1		4252	C1926		4708
C1532.603		3690	C1650.1		4060	C1760		4272	C1928		5284
C1532.604		3690.2	C1656		3968	C1760.5		4276	C1930		5288
C1532.606		3690.21	C1658		3972	C1770		4280	C1932		5280
C1532.607		3690.22	C1660		3976	C1770.1		4284	C1934		5276
C1532.608		3690.31	C1661		3980	C1788		4288	C1936		5272
C1532.609		3690.32	C1662		3984	C1789		4290	C1936.1		5272.1
C1532.61		3690.3	C1662.1		3988	C1792		4292	C1938		4713
C1532.612		3690.1	C1668		3964	C1796		4316	C1940		4712
C1534		3692	C1671		3936	C1798		4296	C1942		4716
C1534.6		4080	C1671.65		3948	C1800		4300	C1945.4		4720
C1534.7		4084	C1671.7		3940	C1800.1		4304	C1946		4728
C1534.8		4088	C1671.71		3944	C1802		4324	C1948		4732
C1544		3724	C1672		3960	C1804		4328	C1950		4736
C1544.1		3728	C1672.5		3956	C1804.1		4332	C1964		4760
C1545		3740	C1673		3952	C1814		4336	C1965		4764
C1545.4		3732	C1673.3		3932	C1814.1		4340	C1966		4768
C1545.5		3736	C1674		3992	C1815		4344	C1967		4772
C1552		3744	C1674.1		3996	C1826		4380	C1968		4776
C1553		3748	C1680		4024	C1828		4384	C1968.1		4780
C1556		3752	C1680.1		4028	C1838		4392	C1969		4802
C1562		3772	C1686		4000	C1844		4368	C1976		4784
C1564		3776	C1686.1		4004	C1845		4372	C1977		4796
C1564.1		3780	C1690		4008	C1846		4376	C1977.1		4800
C1566		3804	C1690.1		4012	C1854		4360	C1978		4804
C1566.3		3812	C1702		4016	C1854.1		4364	C1979		4816
C1572		3796	C1702.1		4020	C1856		4348	C1979.2		4820
C1578		3820	C1703		2848	C1857		4352	C1982		4808
C1588		3832	C1704		2840	C1857.1		4356	C1983		4812
C1590		3836	C1704.1		2844	C1866		4572	C1986		4832
C1591		3888	C1706		4192	C1867		4584	C1994		4824
C1594		3916	C1708		4196	C1867.4		4588	C2002		4836
C1594.1		3920	C1708.5		4197	C1868		4576	C2003		4840
C1594.13		3924.5	C1710		4208	C1869		4580	C2003.1		4844
C1594.15		3925	C1710.1		4212	C1872		4592	C2006		4848
C1594.17		3924.7	C1712		4170	C1876		4596	C2012		4866
C1594.2		3908	C1712.1		4171	C1877		4598	C2024		4912
C1594.3		3912	C1718		4164	C1878		4600	C2026		4924
C1594.6		3892	C1718.1		4168	C1881		4604	C2028		4928

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

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
C2030		4916	C2242		1452	C2314		5230	C2406		5517
C2030.1		4920	C2246		1456	C2314.1		5230.1	C2406.1		5517.1
C2040		4944	C2248		1468	C2316		5264	C2408		5496
C2040.1		4948	C2248.1		1472	C2316.4		5265	C2410		5520
C2042		4936	C2252		1460	C2318		5268	C2412		5526
C2044		4964	C2252.1		1464	C2320		5290	C2412.2		5524
C2044.2		4968	C2254		1476	C2320.1		5290.1	C2412.4		5530
C2046		4980	C2254.1		1480	C2324		5292	C2412.6		5528
C2054		4996	C2254.4		1484	C2326		5296	C2412.8		5536
C2055		5000	C2254.5		1488	C2328		5304	C2413		5532
C2055.1		5004	C2258		1500	C2328.1		5308	C2414		5540
C2056		5008	C2258.1		1504	C2331.9		5317	C2414.3		5544
C2056.01		5012	C2258.4		1492	C2332		5312	C2414.31		5548
C2056.4		5016	C2258.6		1496	C2332.1		5316	C2414.4		5552
C2056.6		5020	C2259		1508	C2336		5320	C2416		5556
C2057		5024	C2259.5		1512	C2338		5324	C2417		5560
C2057.2		5028	C2260		5084	C2338.1		5328	C2420		5568
C2060		4940	C2262		5088	C2340		5332	C2425		5576
C2065		5030	C2264		5092	C2340.1		5336	C2425.1		5580
C2065.4		5030.3	C2265		5096	C2346		5340	C2428		5584
C2065.6		5030.6	C2265.1		5100	C2348		5344	C2428.1		5588
C2068		5032	C2266		5104	C2349.02		5490.1	C2436		5599
C2068.1		5036	C2268		5108	C2349.03		5490	C2436.1		5599.1
C2069		5031	C2269		5112	C2349.04		5490.2	C2439		5606
C2072		4900	C2269.1		5116	C2349.17		5492	C2440		5608
C2072.1		4904	C2270		5120	C2349.26		5485	C2440.1		5612
C2074.7		4888	C2274		5124	C2349.28		5486	C2445		5604
C2082		5040	C2276		5128	C2349.31		5482	C2448		5616
C2083		5044	C2276.8		5130	C2349.32		5482.1	C2448.1		5620
C2089		5056	C2276.81		5130.1	C2349.33		5483	C2450		5624
C2089.5		5068	C2277		5132	C2349.34		5483.1	C2450.1		5628
C2094		5080	C2277.1		5136	C2349.5		5494	C2450.4		5636
C2098		4552	C2277.6		5140	C2350		5495	C2450.5		5632
C2099		4556	C2278		5144	C2350.5		5493	C2458		5644
C2100		4560	C2278.1		5148	C2351.5		5491	C2460		5648
C2100.2		4564	C2283		5160	C2352.5		5480	C2483		5716.5
C2100.4		4568	C2283.1		5164	C2357		5432	C2483.1		5716.51
C2104		4528	C2284		5176	C2357.2		5433	C2484		5706
C2104.1		4532	C2284.1		5180	C2358		5376	C2484.2		5707
C2142		4508	C2288		5184	C2360		5360	C2486		5700
C2144		4512	C2288.1		5186	C2360.1		5364	C2488		5704
C2146		4500	C2289		5192	C2361		5368	C2489		5705
C2148		4504	C2289.1		5196	C2361.1		5372	C2494		5680
C2152		4468	C2291		5200	C2364		5380	C2494.1		5684
C2154.9		4487	C2292		5204	C2365		5384	C2495		5692
C2155		4488	C2294		5208	C2365.1		5384.1	C2496		5693
C2155.4		4484	C2296		5212	C2370		5408	C2503		5664
C2166		4472	C2305		5214	C2372		5404	C2503.1		5668
C2166.1		4476	C2305.1		5214.1	C2374		5396	C2504		5656
C2178		4480	C2305.3		5197	C2374.1		5400	C2505		5660
C2180		4460	C2305.31		5197.1	C2378		5412	C2508		5844
C2180.1		4464	C2305.4		5199	C2378.1		5416	C2512		5836
C2186		4436	C2305.5		5198	C2380		5424	C2516		5824
C2188		4424	C2306		5216	C2382		5428	C2516.5		5826
C2192		4428	C2306.1		5220	C2384		5420	C2517		5828
C2196		4440	C2307		5224	C2388		5348	C2517.1		5832
C2196.1		4444	C2308		5228	C2388.1		5352	C2522		5808
C2202		4448	C2309		5260	C2398		5460	C2522.1		5812
C2203		4452	C2310		5256	C2398.1		5464	C2527		5792
C2210		4420	C2311		5232	C2403		5504	C2527.1		5796
C2216		4396	C2311.1		5236	C2403.1		5508	C2532		5776
C2216.1		4400	C2312		5240	C2405		5512	C2534		5772
C2218		4404	C2312.1		5244	C2405.1		5516	C2540		5760
C2218.2		4408	C2313		5248	C2405.55		5518	C2540.1		5764
C2219		4395	C2313.1		5252	C2405.56		5518.1	C2541		5748

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

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
C2542		5744	C2673.5		6134.2	C2725.5		6328	C2817		6469.1
C2546		5752	C2673.7		6134.4	C2726		6348	C2867		6488
C2546.1		5756	C2674		6134	C2726.1		6352	C2867.1		6492
C2548		5736	C2675		6135	C2726.6		6360	C2874		6480
C2550		5732	C2678		6136	C2727		6361	C2876		6472
C2555.5		5724	C2678.3		6149	C2728		6292	C2876.2		6476
C2556		5848	C2678.32		6149.1	C2728.1		6296	C2878		6484
C2557		5852	C2678.33		6149.2	C2730		6332	C2892		6496
C2558		5856	C2678.34		6135.5	C2730.1		6336	C2896		6512
C2562		5860	C2678.4		6135.6	C2732		6372	C2896.1		6516
C2575.9		5872	C2678.45		6135.61	C2732.4		6373	C2897		6508
C2576		5876	C2678.5		6135.62	C2732.5		6373.1	C2904		6520
C2576.1		5880	C2678.55		6150	C2733		6374	C2905		6524
C2583		5884	C2678.6		6150.1	C2734		6376	C2905.25		6536
C2583.1		5888	C2678.7		6150.2	C2734.1		6380	C2905.27		6540
C2585		5892	C2678.715		6150.3	C2735		6382	C2906		6552
C2585.1		5896	C2678.75		6140	C2736		6364	C2908		6548
C2586		5868	C2678.77		6146	C2736.1		6368	C2910		6556
C2588		5864	C2678.78		6147	C2738		6388	C2914		6560
C2589.6		5866	C2679.8		6152	C2738.5		6389	C2917		6563
C2589.61		5867	C2680		6156	C2738.51		6389.1	C2918		6564
C2592		5900	C2681.7		6174	C2739		6390	C2920		6568
C2596		5912	C2681.9		6172	C2740		6398	C2922		6572
C2602		5916	C2682		6164	C2741		6384	C2923		6576
C2604		5920	C2682.1		6168	C2743		6392	C2926		6580
C2604.1		5928	C2684		6160	C2743.1		6396	C2930		6584
C2614		5938.7	C2685		6176	C2746.9		6428	C2932		6588
C2618		5942	C2686		6178.1	C2747		6432	C2933		6596
C2626		6020	C2687		6180	C2747.1		6436	C2934		6600
C2626.1		6024	C2687.1		6184	C2749		6438	C2935		6601
C2628		6028	C2688.1		6178.2	C2750		6444	C2939.1		6612
C2628.1		6032	C2689		6188	C2751		6400	C2940		6616
C2634		6056	C2690		6192	C2752		6404	C2944		6624
C2638		6064	C2690.1		6196	C2752.6		6416	C2944.5		6627
C2638.1		6068	C2691		6178	C2754		6420	C2945		6629
C2644		6084	C2692		6178.3	C2754.5		6418	C2954		6632
C2644.1		6096	C2693		6200	C2754.7		6423	C2957.5		6634.5
C2645.1		6100	C2694		6204	C2755		6422	C2957.6		6634
C2651.2		6113	C2695.5		6214	C2758		6440	C2960		6636
C2652		5976	C2695.6		6215	C2762		6448	C2961		6640
C2652.4		5988	C2700		6216	C2762.1		6452	C2961.4		6646
C2652.7		5992	C2701		6220	C2764		6456	C2961.41		6646.1
C2652.71		5996	C2702		6224	C2764.1		6460	C2963		6648.5
C2652.8		6012	C2703		6228	C2764.75		6452.5	C2964		6648
C2652.81		6016	C2706		6260	C2765.24		6453	C2964.6		6649
C2654		6008	C2706.1		6264	C2765.42		6454	C2965		6664
C2655.2		6004	C2708		6268	C2765.44		6454.1	C2968		6672
C2656.6		5944	C2714		6236	C2765.6		6454.5	C2972		6676
C2657		5948	C2714.1		6240	C2767.6		6455	C2974		6680
C2657.9		5956	C2715		6244	C2770		6455.1	C2983		6652
C2658.1		5960	C2715.1		6248	C2770.2		6455.12	C2983.1		6656
C2659		5968	C2716		6232	C2771.5		6460.2	C2986		6660
C2659.13		5969	C2717		6252	C2771.7		6460.1	C3002		6650
C2659.2		5970	C2717.1		6256	C2772		6455.2	C3002.1		6650.1
C2659.77		5973	C2719		6276	C2772.2		6455.3	C3003		6651
C2659.78		5973.1	C2720		6280	C2777.9		6461	C3003.1		6651.1
C2662		5940	C2721		6288	C2777.95		6461.5	C3010		6708
C2667.5		6115	C2722		6284	C2781.5		6464	C3011		6709
C2667.8		6115.5	C2724		6300	C2791.5		6465	C3013		6709.1
C2668		6116	C2724.1		6304	C2791.8		6465.2	C3014		6724
C2670		6124	C2724.4		6308	C2793		6465.3	C3015		6728
C2670.1		6128	C2724.6		6312	C2793.5		6465.4	C3015.2		6729
C2672		6120	C2724.8		6316	C2799		6466	C3016		6732
C2672.3		6117	C2725		6320	C2801		6467	C3016.2		6736
C2672.5		6117.5	C2725.4		6324	C2813		6462	C3018		6716

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

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
C3018.1		6720	C3256		7116	C3450.52		12145.2	C3550.4		12372
C3018.5		6818	C3257		7119	C3451		12156	C3551		12384
C3019		6828	C3257.1		7119.1	C3452		12160	C3552		12388
C3019.2		6832	C3258		7123	C3454		12172	C3553		12391
C3020		6820	C3259.5		7124	C3455		12168	C3554		12392
C3020.2		6824	C3259.6		7120	C3457		12174	C3558		12400
C3020.3		6826	C3262		7128	C3458		12176	C3558.5		12401
C3020.6		6740	C3270		7130	C3460		12180	C3559		12402
C3020.62		6744	C3277		7132	C3461		12181	C3580.15		12412
C3021		6788	C3318		11984	C3462.2		12185	C3580.2		12416
C3021.5		6790	C3334		11996	C3470		12192	C3580.3		12420
C3022		6768	C3340		12022	C3474		12194	C3583		12428
C3022.1		6769	C3345.9		12000	C3476		12196	C3585		12436
C3023.4		6760	C3346		12004	C3477.3		12204	C3587		12440
C3024		6756	C3347.9		12009	C3478		12212	C3587.1		12444
C3026		6796	C3348		12016	C3482		12220	C3590		12448
C3026.2		6792	C3350		12020	C3482.4		12222	C3594.5		12452
C3028		6800	C3359		12040	C3482.401		12222.1	C3595		12496
C3029		6804	C3359.2		12041	C3482.5		12223	C3596		12500
C3029.2		6808	C3360.1		12031	C3482.51		12223.1	C3602		12508
C3030.1		6806	C3363		12041.5	C3486		12216	C3603		12464
C3031		6810	C3363.1		12041.6	C3489		12224	C3605		12492
C3045.8		6839	C3364		12041.9	C3494		12228	C3606		12456
C3046		6844	C3366.4		12043	C3495.5		12331	C3606.1		12460
C3047.4		6846	C3366.6		12042	C3495.51		12331.1	C3608		12468
C3047.5		6848	C3367		12043.1	C3496		12232	C3608.1		12472
C3048		6840	C3367.5		12043.11	C3501		12248	C3611		12484
C3049		6850	C3382		12044	C3501.4		12249	C3611.5		12488
C3062		6860	C3386		12052	C3501.41		12249.1	C3612		12476
C3062.1		6864	C3390		12056	C3502		12252	C3612.1		12480
C3064		6868	C3396		12060	C3503		12256	C3612.3		12662
C3064.1		6872	C3396.2		12064	C3526		12272	C3612.31		12662.1
C3066		6880	C3396.21		12068	C3528		12276	C3616		12659
C3068		6876	C3396.3		12114	C3529		12288	C3616.1		12660
C3072.5		6900	C3396.301		12114.1	C3530		12280	C3618		12665
C3074		6908	C3396.33		12115	C3530.1		12284	C3622		12664
C3074.1		6912	C3396.331		12115.1	C3532		12332	C3622.1		12664.1
C3076.3		6928	C3396.35		12116	C3532.1		12336	C3626		12656
C3080.8		6968	C3396.351		12116.1	C3535		12296	C3627		12658
C3081.02		6952	C3396.36		12061	C3536		12286	C3628		12648
C3081.03		6952.1	C3396.362		12062	C3536.2		12297	C3630		12636
C3081.2		6960	C3396.4		12088	C3536.201		12297.1	C3631		12512
C3081.21		6954	C3396.5		12092	C3538		12304	C3632		12520
C3081.22		6958	C3396.6		12096	C3540		12320	C3632.6		12524
C3081.26		6956	C3396.7		12097	C3540.1		12324	C3634.5		12522
C3081.28		6961	C3397		12069	C3543		12326	C3636		12516
C3081.31		6961.5	C3397.1		12069.1	C3543.2		12326.01	C3637		12528
C3081.33		6966	C3397.5		12072	C3543.5		12365	C3637.1		12532
C3081.4		6964	C3397.7		12112	C3544		12328	C3638		12540
C3081.5		6962	C3397.8		12080	C3545		12360	C3638.1		12544
C3081.9		6970	C3397.81		12084	C3545.4		12358	C3639		12548
C3082		6972	C3398		12112.5	C3545.41		12358.1	C3640.8		12550
C3082.2		6974	C3398.2		12104	C3546		12356	C3641		12693
C3082.4		6980	C3398.3		12100	C3546.2		12353	C3642.1		12691
C3087		6995	C3442		12120	C3546.3		12354	C3642.2		12690
C3090		6996	C3443		12124	C3547		12340	C3642.3		12690.1
C3091		6998	C3443.1		12128	C3547.1		12344	C3644		12732
C3095		7048	C3443.4		12136	C3547.2		12348	C3644.1		12736
C3095.1		7052	C3443.5		12132	C3548		12364	C3646		12552
C3096		7056	C3448		12140	C3548.4		12352	C3646.1		12556
C3100		7060	C3449.5		12144	C3548.6		12366	C3650		12608
C3100.1		7064	C3450		12148	C3548.8		12369	C3650.1		12612
C3251		7036	C3450.1		12152	C3549		12368	C3651		12592
C3251.1		7040	C3450.5		12145	C3549.3		12367	C3651.1		12596
C3255		7114	C3450.51		12145.1	C3550		12376	C3652		12588

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

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
C3652.1		12588.1	C3800		12782	C3890		12948	C4064		13064
C3652.5		12574	C3800.4		12783	C3892		12952	C4065		13065
C3653		12571	C3800.6		12783.1	C3892.4		12952.5	C4069		13066
C3653.1		12572	C3801		12783.5	C3892.5		12953	C4070		13068
C3656		12600	C3804		12804	C3894		12956	C4072.5		13069
C3656.1		12604	C3804.1		12808	C3897		12957	C4074		13070
C3657		12606	C3805		12793	C3897.1		12957.1	C4074.2		13072
C3675.1		12606.1	C3805.2		12879.25	C3918		12972	C4075.15		13071
C3704		12672	C3805.25		12879.26	C3932		13544	C4076		13073
C3704.2		12674	C3805.5		12879.03	C3934		13548	C4076.2		13074
C3704.5		12670	C3805.7		12879.01	C3938		12960	C4076.43		13078
C3704.51		12671	C3805.71		12879.02	C3940		12964	C4076.44		13078.1
C3705.3		12668	C3806		12788	C3944		13276	C4076.45		13077.5
C3710		12679	C3808		12790	C3946		13272	C4076.451		13077.51
C3710.1		12680	C3810		12796	C3952		13280	C4076.5		13077
C3712		12682	C3810.1		12800	C3962		12980	C4076.51		13077.1
C3714		12684	C3812		12810	C3964		13284	C4076.61		13076
C3717		12696	C3815.5		12814	C3968		13288	C4076.611		13076.1
C3717.3		12695	C3816		12815	C3972		13292	C4076.7		13079
C3717.4		12695.2	C3822		12869	C3976		12984	C4076.71		13079.1
C3717.5		12694	C3822.2		12870	C3977		12985	C4077.8		13045.1
C3720		12700	C3830		12852	C3981		12986	C4077.9		13045
C3720.1		12704	C3832		12856	C3981.1		12987	C4078		13045.3
C3721		12707	C3834		12860	C3982.1		12987.8	C4078.2		13045.2
C3721.1		12708	C3837		12864	C3982.2		12987.81	C4082		18772
C3744		12716	C3837.1		12868	C3986		12988	C4082.5		18796
C3746		12720	C3840.8		12871	C3988		12992	C4083		18828
C3754		12728	C3840.81		12871.1	C3988.1		12996	C4083.5		18900
C3755.5		12729	C3841		12876	C4004		13004	C4083.7		18832
C3755.51		12729.1	C3841.2		12876.5	C4006		13008	C4084		18892
C3756		12730	C3841.6		12878	C4010		13012	C4084.1		18896
C3757.9		12630	C3841.8		12879	C4011		13021	C4085.4		18908
C3758		12631	C3841.84		12873	C4011.2		13021.1	C4085.41		18912
C3758.1		12632	C3841.9		12874	C4011.4		13022	C4085.6		18932
C3758.5		12560	C3841.91		12874.1	C4011.6		13022.1	C4085.61		18936
C3758.51		12564	C3842		12784	C4012.1		13040	C4085.7		18916
C3759		12614	C3844		12896	C4014		13032	C4085.71		18920
C3759.1		12614.1	C3846		12880	C4020		13024	C4085.8		18924
C3759.5		12616	C3849		12882	C4020.1		13024.1	C4085.81		18928
C3759.51		12620	C3849.1		12882.1	C4030		13028	C4086		18948
C3760		12748	C3850		12884	C4030.1		13028.1	C4086.1		18948.1
C3764		12752	C3850.5		12900.5	C4036		13020	C4090		18952
C3765		12753	C3850.6			C4036.1		13020.1	C4090.1		18956
C3765.1		12753.1	12879.031			C4036.2		13020.2	C4095		18836
C3767		12755	C3850.7			C4042		13036	C4095.1		18840
C3768		12756	12879.032			C4042.2		13044	C4096.15		18898
C3769		12758	C3851.1		12879.04	C4042.21		13044.1	C4096.16		18898.1
C3774		12764	C3851.11		12879.05	C4047		13052	C4096.3		18844
C3775		12764.5	C3851.13		12879.06	C4047.1		13052.1	C4096.31		18848
C3775.1		12764.51	C3851.2		12885	C4047.5		13053	C4096.34		18852
C3775.3		12764.4	C3851.4		12888	C4048		13054	C4096.35		18856
C3775.4		12764.2	C3854		12879.1	C4048.1		13054.1	C4096.4		18868
C3775.5		12764.3	C3854.1		12879.2	C4050		13056	C4096.41		18872
C3778		12765	C3854.45		12879.23	C4051		13056.1	C4096.5		18880
C3778.1		12765.1	C3854.5		12879.24	C4052		13056.2	C4096.51		18884
C3783		12766	C3860		12908	C4059		13048	C4097		18860
C3783.1		12766.1	C3868		12912	C4059.1		13048.1	C4097.1		18864
C3786		12767	C3872		12920	C4060		13060	C4098.5		18824
C3786.1		12768	C3874		12924	C4061		13060.1	C4099		18816
C3790		12772	C3876		12928	C4062		13062	C4099.1		18820
C3792		12780	C3877		12935	C4062.05		13062.1	C4099.4		18808
C3792.5		12780.1	C3878		12936	C4062.2		13062.2	C4099.5		18812
C3794		12776	C3878.1		12936.1	C4063		13058	C4100		18792
C3799		12781	C3884		12940	C4063.01		13058.1	C4101		18776
C3799.1		12781.1	C3888		12944	C4063.6		13059	C4101.1		18780

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

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
C4102		18784	C4145.4		18470	C4180		18442	C4214		18196
C4102.1		18788	C4145.8		18464	C4183		18404	C4214.3		18197
C4102.5		18788.5	C4146		18476	C4184		18420	C4215		18206
C4103		18789	C4146.5		18478	C4184.1		18424	C4215.1		18207
C4103.1		18789.1	C4147		18480	C4184.4		18408	C4216		18208
C4104		18790	C4147.05		18477	C4184.5		18412	C4216.1		18212
C4104.1		18790.1	C4147.09		18480.52	C4186		18436	C4216.4		18216
C4105		18791	C4147.1		18480.5	C4186.1		18440	C4216.5		18220
C4105.1		18791.1	C4147.11		18480.51	C4188		18400	C4216.7		18192
C4105.5		18539	C4147.15		18481	C4188.4		18402	C4217		18184
C4106		18498	C4147.2		18482	C4188.41		18402.1	C4218		18188
C4106.1		18499	C4147.3		18484	C4190		18396	C4219		18176
C4107		18538	C4147.5		18485	C4191		18364	C4220		18180
C4107.1		18538.1	C4148		18488	C4191.1		18368	C4222		18174
C4107.3		18540	C4148.1		18492	C4192		18392	C4224		17824
C4107.4		18540.5	C4150		18496	C4192.5		18343	C4226		18148
C4107.5		18556	C4150.1		18496.1	C4192.51		18343.1	C4227		18152
C4107.51		18560	C4152		18504	C4192.6		18356	C4227.1		18156
C4108		18546	C4152.1		18508	C4192.61		18360	C4228		18160
C4108.1		18546.1	C4153		18520	C4192.7		18349	C4228.1		18164
C4108.5		18544	C4153.1		18524	C4192.71		18350	C4229		18168
C4109		18527	C4154		18528	C4193		18358	C4230		18140
C4109.1		18527.1	C4154.1		18532	C4193.2		18336	C4230.1		18144
C4110		18533.5	C4155.5		18536	C4193.21		18340	C4233		18108
C4110.3		18533	C4155.51		18536.1	C4193.3		18345	C4234.5		18120
C4112		18800	C4156		18541	C4193.31		18346	C4234.51		18124
C4112.1		18804	C4156.1		18541.5	C4193.6		18376	C4235		18128
C4112.3		18764	C4156.4		18547	C4193.61		18380	C4235.5		18112
C4112.31		18768	C4156.41		18547.1	C4193.7		18384	C4235.51		18116
C4112.4		18760	C4157		18548	C4193.71		18388	C4236		18080
C4112.41		18760.1	C4157.1		18552	C4194		18308	C4238		17828
C4112.6		18752	C4158		18576	C4195		18312	C4238.1		17832
C4112.61		18756	C4158.1		18580	C4195.1		18316	C4241		17836
C4113		18740	C4160		18608	C4196		18334	C4241.1		17840
C4113.1		18744	C4160.1		18612	C4196.1		18334.1	C4242		17844
C4114.2		18732	C4161		18616	C4198		18328	C4242.1		17848
C4114.21		18736	C4161.1		18620	C4198.1		18332	C4243		17852
C4114.5		18720	C4162		18604	C4199		18304	C4243.1		17856
C4114.51		18724	C4164		18636	C4200		18224	C4244		17860
C4115		18712	C4164.1		18640	C4201		18228	C4245		17868
C4115.1		18716	C4165.2		18650	C4202		18232	C4245.1		17872
C4116		18708	C4165.21		18650.1	C4202.1		18236	C4246		17876
C4116.1		18708.1	C4165.4		18630	C4202.4		18237	C4246.1		17880
C4118		18705	C4165.41		18630.1	C4202.41		18237.1	C4248		18172
C4119		18706	C4166		18584	C4203		18240	C4250		17912
C4119.1		18706.1	C4166.1		18588	C4203.2		18242	C4250.5		17913
C4120		18686	C4166.3		18589	C4203.4		18258	C4251		17916
C4120.1		18686.1	C4166.31		18589.1	C4203.41		18258.1	C4252		17908
C4121		18692	C4166.5		18573	C4204		18252	C4253		17920
C4121.1		18696	C4166.51		18573.1	C4204.1		18256	C4253.1		17924
C4122		18680	C4168		18569	C4205		18244	C4253.5		17912.5
C4123		18684	C4168.1		18569.1	C4205.1		18248	C4253.8		17932
C4123.1		18684.1	C4168.3		18571	C4206		18260	C4254		17937
C4124		18542	C4168.31		18571.1	C4206.1		18264	C4254.1		17937.1
C4124.1		18542.1	C4168.5		18570	C4207		18268	C4256		17948
C4126		18660	C4168.51		18570.1	C4207.1		18272	C4256.1		17952
C4126.1		18664	C4170		18597	C4208		18276	C4257.5		17946.1
C4128		18668	C4170.1		18597.1	C4208.1		18280	C4258		17946
C4128.1		18672	C4170.4		18598	C4209		18300	C4259		17964
C4130		18652	C4170.41		18598.1	C4211		18292	C4261		17928
C4130.1		18656	C4170.6		18445	C4211.1		18296	C4262		18076
C4142.1		18452	C4170.61		18445.5	C4211.5		18274	C4264		17976
C4143		18456	C4172		18444	C4211.51		18275	C4264.1		17980
C4143.1		18460	C4173		18444.5	C4212		18200	C4264.3		17900
C4145		18472	C4174		18444.7	C4212.1		18204	C4264.31		17904

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

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
C4264.5		17884	C4378		17480	C4449.9		16967	C4862		15448
C4264.51		17888	C4382		17462	C4450		16968	C4863		15484
C4265		17972	C4384		17496	C4450.4		16952	C4863.1		15488
C4268		17984	C4384.1		17500	C4453		16972	C4863.5		15492
C4269.3		17892	C4384.5		17463	C4453.3		16956	C4863.51		15496
C4269.31		17896	C4384.51		17463.1	C4453.4		16960	C4863.9		15418
C4271		18084	C4385		17504	C4454		16984	C4864		15416
C4271.1		18088	C4385.1		17508	C4454.1		16988	C4864.1		15420
C4271.3		18092	C4388		17464	C4457.7		17208	C4865		15432
C4271.31		18096	C4388.1		17468	C4457.71		17212	C4865.1		15436
C4271.4		18100	C4390		17472	C4462.6		16948	C4865.9		15398
C4271.41		18104	C4390.1		17476	C4464.4		16814	C4866		15396
C4272.5		18016	C4394		17484	C4465		16812	C4866.1		15400
C4273		18024	C4394.1		17488	C4465.4		16808	C4867		15404
C4274		17864	C4398		17448	C4466		16800	C4867.1		15408
C4275		18028	C4399		17440	C4468		16796	C4868		15392
C4275.1		18032	C4399.1		17444	C4472		16792	C4868.5		15388
C4275.2		18045	C4404		17438	C4473.5		16774	C4869		15384
C4275.3		18045.1	C4404.1		17438.1	C4478		16788	C4871		15372
C4275.5		18036	C4406		17436	C4479		16770	C4871.1		15376
C4276		18040	C4417		17268	C4480		16096	C4872		15364
C4276.1		18044	C4418		17272	C4482		16100	C4872.1		15368
C4280		18052	C4418.1		17276	C4485		16106	C4873		15348
C4280.1		18056	C4418.3		17280	C4486		16092	C4873.1		15352
C4280.3		18048	C4418.31		17284	C4487		16094	C4873.5		15332, 15337
C4291		17968	C4418.5		17288	C4490		16760	C4874		15356
C4292		17940	C4418.7		17296	C4494		16756	C4874.1		15360
C4292.1		17944	C4418.9		17304	C4495.9		16752	C4874.4		15340
C4294		17820	C4419		17308	C4496		16744	C4874.5		15344
C4298.5		17769	C4419.1		17312	C4496.1		16748	C4876		15322
C4298.51		17769.1	C4419.2		17321.5	C4542		16144	C4878		15324
C4298.6		17770	C4419.21		17321.51	C4546		16158	C4881		15296
C4298.61		17770.1	C4419.3		17316	C4626		16476	C4884		15292
C4299.2		17780	C4419.4		17320	C4630		16480	C4885		15300
C4299.21		17784	C4419.7		17321	C4680.6		17000	C4886		15320
C4300		17800	C4419.71		17321.1	C4680.61		17000.1	C4888		15188
C4302		17804	C4421		17328	C4725		15804	C4888.1		15192
C4302.02		17808	C4421.4		17329	C4732		15780	C4892		15196
C4302.04		17812	C4421.41		17329.1	C4734		15808	C4892.1		15200
C4302.06		17816	C4421.5		17330	C4734.1		15812	C4906		15268
C4312		17768	C4421.51		17330.1	C4736		15800	C4910		15224
C4318		17708	C4421.6		17324	C4739		15852	C4912		15212
C4328		17680	C4421.7		17344	C4739.1		15856	C4914		15228
C4328.1		17684	C4421.8		17346	C4743.2		15860	C4914.1		15232
C4328.2		17663	C4421.81		17346.1	C4744.23		15525	C4915		15236
C4328.3		17662	C4424		17360	C4744.24		15525.1	C4915.1		15240
C4330		17648	C4424.1		17364	C4745.6		15520	C4915.2		15304
C4330.1		17652	C4425		17352	C4745.61		15524	C4915.21		15308
C4340		17628	C4425.1		17356	C4745.74		15509	C4915.3		15184
C4340.1		17632	C4430		17368	C4745.76		15510	C4915.4		15312
C4348		17616	C4430.1		17372	C4745.8		15512	C4915.41		15316
C4350		17608	C4432.3		17392	C4745.81		15516	C4915.5		15284
C4350.1		17610	C4432.31		17396	C4746		15500	C4915.51		15288
C4351		17612	C4434		17406	C4746.1		15504	C4915.54		15289
C4352		17600	C4434.1		17406.1	C4746.2		15508	C4915.57		15290
C4352.1		17604	C4435		17407	C4746.8		15480	C4915.6		15204
C4356		17544	C4437		17358	C4852		15476	C4915.61		15208
C4356.1		17548	C4437.01		17358.1	C4854		15472	C4915.7		15176
C4365		17534	C4440		17252	C4855		15470	C4915.71		15180
C4366		17510	C4444.3		17246	C4856		15464	C4915.8		15216
C4366.1		17510.1	C4444.31		17246.1	C4856.1		15468	C4915.81		15220
C4369		17492	C4445		17248	C4858		15456	C4916		15148
C4374		17452	C4445.5		17224	C4858.1		15460	C4916.1		15148.1
C4376		17456	C4447.6		17192	C4860		15452	C4918.4		15172
C4376.1		17460	C4447.61		17196	C4861		15412	C4919		15164

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

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
C4919.1		15168	C5202.1		14592	C5388		13584	C5425.1		13504
C4919.4		15210	C5203		14406	C5390		13580	C5428		13492
C4920.2		15244	C5203.1		14406.1	C5390.4		13658	C5430		13516
C4920.21		15248	C5203.4		14407	C5390.41		13658.1	C5430.1		13520
C4920.4		15264	C5203.41		14407.1	C5392		13588	C5432		13524
C4920.41		15264.1	C5206		14596	C5392.1		13592	C5432.1		13528
C4922		15252	C5206.5		14598	C5392.6		13644	C5434		13532
C4924		15256	C5208		14404	C5392.61		13648	C5434.1		13536
C4924.1		15260	C5210		14400	C5393		13672	C5435		13514
C4932		15124	C5212		14396	C5393.1		13676	C5435.1		13514.1
C4932.1		15128	C5214		14388	C5393.4		13660	C5438		13400
C4980		14892	C5216		14380	C5393.41		13660.1	C5438.4		13399.4
C4991.6		14944	C5216.1		14384	C5394		13604	C5438.41		13399.8
C4991.7		14946	C5216.4		14368	C5394.2		13608	C5438.5		13401
C5121		14660	C5216.41		14372	C5394.21		13612	C5438.51		13401.5
C5121.1		14664	C5217		14360	C5394.4		13571.1,	C5438.58		13402
C5129.5		14657	C5217.1		14364	13596			C5438.6		13389
C5130		14656	C5220		14344	C5394.41		13600	C5438.61		13390
C5131.4		14712	C5220.1		14348	C5396		13420	C5438.7		13398.2
C5131.41		14716	C5222		14336	C5396.1		13424	C5438.71		13398.4
C5147		14612	C5222.1		14340	C5396.9		13632	C5438.8		13394
C5147.1		14616	C5223		14328	C5396.91		13636	C5438.81		13396
C5153		14608	C5223.1		14332	C5397		13624	C5438.9		13465
C5153.5		14600	C5224		14320	C5397.1		13628	C5438.91		13465.5
C5153.51		14604	C5224.15		14324	C5403		13538	C5440		13392
C5154		14408	C5226.2		14316	C5403.1		13538.5	C5440.1		13393
C5154.1		14412	C5227		14224	C5405.6		13638	C5441.3		13388
C5154.4		14416	C5227.1		14228	C5405.61		13638.1	C5456		13352
C5155.4		14418	C5235		14144	C5408		13542	C5464		13348
C5155.41		14418.1	C5239		14084	C5410		13412	C5465		13340
C5156		14428	C5239.4		14088	C5411		13409	C5465.1		13344
C5157		14432	C5239.41		14092	C5412		13404	C5465.9		13332
C5157.1		14436	C5240		14112	C5413		13408	C5466.1		13324
C5158		14419	C5240.1		14116	C5414		13413	C5466.11		13324.1
C5158.1		14420	C5240.4		14096	C5414.1		13413.5	C5468		13320
C5160		14440	C5268		14072	C5414.3		13414	C5470		13316
C5162		14452	C5284		13940	C5414.4		13425.7	C5472		13308
C5162.1		14456	C5318		13936	C5414.41		13425.71	C5472.1		13312
C5165		14552	C5320		13932	C5415		13416	C5474		13304
C5166		14472	C5321		13824	C5415.4		13426	C5476		13300
C5167		14464	C5324		13816	C5416		13433	C5482		13296
C5167.1		14468	C5324.1		13820	C5416.1		13433.5	C5485		13301
C5168		14460	C5328		13828	C5416.4		13425	C5485.1		13302
C5170		14476	C5349		13780	C5416.41		13425.5	C5488		13264
C5170.1		14480	C5356		13692	C5417		13434	C5490		13260
C5171		14556	C5356.1		13696	C5417.1		13434.5	C5490.1		13261
C5171.1		14560	C5366		13720	C5417.4		13438	C5491		13262
C5173		14492	C5368		13688	C5417.41		13438.5	C5491.1		13263
C5173.1		14496	C5369		13700	C5418		13432	C5492		13256
C5175.5		14444	C5370		13704	C5418.4		13427	C5496		13268
C5175.51		14448	C5370.1		13708	C5418.41		13427.5	C5500		13104
C5184		14516	C5374		13556	C5419		13460	C5500.1		13108
C5185		14518	C5378		13552	C5419.1		13464	C5505		13258
C5186		14520	C5380		13560	C5419.2		13436	C5506		13112
C5188		14548	C5380.5		13561	C5419.21		13437	C5508		13116
C5188.1		14544	C5380.6		13562	C5419.3		13444	C5511		13117
C5190		14528	C5381		13563	C5419.31		13448	C5511.1		13118
C5190.1		14532	C5382		13569	C5420		13468	C5513		13119.2
C5190.4		14540	C5382.1		13569.1	C5420.1		13472	C5513.2		13119.1
C5190.5		14536	C5382.5		13570	C5420.4		13428	C5513.4		13119
C5195		14572	C5383		13571	C5420.8		13476	C5514		13120
C5196		14564	C5383.3		13571.3	C5420.81		13480	C5514.1		13124
C5196.1		14568	C5385		13566	C5421		13496	C5520		13140
C5200		14584	C5386		13564	C5422		13466	C5520.1		13144
C5202		14588	C5387		13568	C5425		13500	C5521		13148

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

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
C5522		13168	C5724.41		11864	C5792.4		11564	C5884.1		11168
C5522.1		13172	C5725		11900	C5792.41		11568	C5886		11172
C5524		13152	C5725.1		11904	C5792.6		11580	C5886.1		11176
C5524.1		13156	C5725.5		11868	C5792.61		11584	C5887		11156
C5528		13176	C5725.8		11938	C5792.8		11596	C5887.5		11160
C5530		13160	C5727.5		11840	C5792.9		11600	C5887.8		11178
C5530.1		13164	C5728		11844	C5793		11602	C5888		11180
C5534		13188	C5728.1		11848	C5793.1		11602.1	C5889		11184
C5534.1		13192	C5729		11852	C5796		11622	C5889.1		11188
C5536		13196	C5729.1		11856	C5805		11460	C5890.6		11192
C5536.1		13200	C5730		11824	C5806		11464	C5890.61		11196
C5539		13184	C5730.1		11828	C5809		11456	C5891.5		11228
C5539.4		13180	C5731.5		11764	C5810		11384	C5894		11212
C5541.9		13212	C5731.51		11768	C5810.5		11384.2	C5894.1		11216
C5542		13208	C5731.9		11760	C5811.8		11380	C5895		11208
C5542.1		13216	C5733		11688	C5813		11388	C5897		11220
C5543.9		13222	C5733.1		11692	C5814.9		11436	C5897.1		11224
C5546		13228	C5734		11700	C5815		11440	C5898		11232
C5546.1		13232	C5735		11696	C5815.1		11444	C5898.1		11236
C5552.4		13248	C5736		11708	C5816		11408	C5902		11124
C5552.41		13252	C5736.1		11712	C5816.1		11412	C5903		11058
C5552.9		13254.2	C5739		11716	C5816.2		11416	C5910		11068
C5553		13254	C5739.1		11720	C5816.4		11392	C5912		11076
C5553.1		13254.1	C5739.9		11728	C5816.9		11396	C5920		11056
C5562		13100	C5740	11724	11732	C5817		11400	C5923		11044
C5562.28		13097.1	C5740.1		11736	C5817.1		11404	C5925		11004
C5562.29		13097.2	C5741		11740	C5817.4		11420	C5925.4		11000
C5562.3		13097.3	C5741.1		11744	C5818.4		11424	C5926		11048
C5567		13092	C5743		11748	C5824		11364	C5926.1		11052
C5568		13088	C5743.1		11752	C5824.1		11368	C5928		10996
C5569		13085	C5744		11624	C5826		11356	C5936		11024
C5569.1		13086	C5745		11628	C5828		11360	C5938		11020
C5582		13084	C5746		11632	C5833		11328	C5944		10992
C5584		13080	C5746.1		11636	C5833.3		11344	C5946		10980
C5586		13081	C5747		11637	C5833.31		11348	C5948		10984
C5694		18960	C5747.1		11638	C5834		11340	C5948.1		10988
C5694.1		18964	C5748		11640	C5836		11332	C5951		10936
C5697		18968	C5749		11644	C5836.1		11336	C5952		10928
C5697.1		18972	C5754.2		11702	C5840		11324	C5953		10940
C5697.3		18976	C5754.3		11702.1	C5844		11312	C5954		10932
C5698		11976	C5770		11680	C5846		11316	C5960		10960
C5698.1		11980	C5778		11660	C5846.1		11320	C5962		10964
C5700		18965	C5788		11500	C5847		11308	C5967		10970
C5700.1		18965.1	C5788.1		11504	C5848		11300	C5967.1		10970.1
C5703		11964	C5789		11476	C5852		11304	C5967.3		10971
C5703.1		11968	C5790		11488	C5854		11284	C5967.31		10971.1
C5704		11970	C5790.4		11508	C5854.1		11288	C5968		10972
C5710		11872	C5790.41		11512	C5855		11292	C5972.4		10924
C5710.2		11876	C5790.5		11544	C5855.1		11296	C5972.41		10925
C5710.5		11877	C5790.51		11548	C5860		11268	C5973		10920
C5710.51		11877.1	C5790.6		11552	C5862		11276	C5974		10916
C5710.6		11878	C5790.61		11556	C5862.1		11280	C5975		10912
C5710.61		11878.1	C5790.8		11516	C5864		11272	C5976		10900
C5712.4		11888	C5790.81		11520	C5866		11282	C5977		10904
C5712.8		11896	C5790.82		11492	C5866.1		11282.5	C5977.1		10908
C5713		11936	C5790.83		11496	C5874		11248	C5977.2		10913
C5713.4		11932	C5790.86		11536	C5876		11240	C5977.3		10914
C5714		11928	C5790.87		11540	C5876.1		11244	C5977.4		10915
C5718.5		11908	C5790.89		11524	C5878.9		11144	C5978		10892
C5719		11909	C5790.9		11528	C5879		11148	C5979		10896
C5720		11912	C5791		11558	C5879.1		11152	C5979.6		10891
C5720.1		11916	C5792		11572	C5880		11132	C5980		10890
C5724		11920	C5792.01		11576	C5881		11140	C5982		10868
C5724.1		11924	C5792.2		11588	C5882		11136	C5983.4		10872
C5724.4		11860	C5792.21		11592	C5884		11164	C5988		10832

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

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
C5988.5		10834	C6076		10688	C6201		10410	C6360		.9984
C5989		10888	C6076.1		10692	C6210		10344	C6362		.9976
C5990		10836	C6079		10612	C6214.7		10337	C6364		.10032
C5992		10840	C6080		10616	C6214.71		10337.1	C6366		.10036
C5993		10880	C6081		10620	C6214.9		10338	C6370		.10052
C5993.3		10878	C6083		10604	C6214.91		10338.1	C6370.1		.10056
C5993.4		10878.1	C6084		10608	C6220		10328	C6371		.10044
C5993.5		10878.2	C6084.5		10610	C6225		10324	C6372		.10048
C5993.6		10876	C6086.2		10600	C6226		10300	C6373		.10060
C5994		10844	C6087		10528	C6227		10292	C6374		.10064
C5998		10848	C6088		10532	C6228		10304	C6375		.10068
C6000		10850.5	C6092		10536	C6233		10288	C6376		.10072
C6000.6		10850	C6093		10548	C6234		10284	C6376.4		.10076
C6001		10851	C6098		10552	C6235.6		10260	C6377		.10080
C6001.4		10884	C6098.1		10556	C6235.8		10252	C6377.1		.10084
C6004		10856	C6100		10560	C6236		10280	C6377.5		.10088
C6008		10828	C6102		10564	C6238		10296	C6378		.10092
C6011		10824	C6106		10568	C6240		10268	C6379		.10096
C6012		10820	C6106.2		10573	C6241		10272	C6379.1		.10100
C6014		10812	C6108		10576	C6243		10276	C6379.3		.10104
C6015		10810	C6108.1		10576.1	C6243.4		10264	C6379.4		.10108
C6016		10808	C6111		10592	C6244		10248	C6379.41		.10112
C6020		10804	C6111.1		10596	C6245		10256	C6382		.9600
C6020.5		10805	C6112		10524	C6250		10312	C6386		.9576
C6021		10792	C6113		10540	C6252		10308	C6386.9		.9578
C6022		10800	C6113.1		10544	C6259.6		10176	C6387		.9580
C6023		10796	C6113.5		10546.1	C6260		10188	C6387.2		.9581
C6024		10788	C6113.51		10546	C6260.1		10192	C6387.3		.9582
C6025		10784	C6114		10500	C6260.5		10196	C6388.5		.9584
C6028		10780	C6114.4		10516	C6261		10180	C6389		.9592
C6030		10752	C6114.41		10520	C6262		10204	C6390		.9588
C6032		10744	C6114.5		10502	C6266		10208	C6391		.9596
C6032.1		10748	C6114.6		10508	C6268		10220	C6394.5		.9604
C6034		10756	C6114.61		10512	C6270		10216	C6395		.9628
C6036		10760	C6116		10492	C6274		10228	C6396		.9360
C6036.4		10764	C6116.1		10496	C6277		10240	C6398		.9364
C6037		10766	C6122		10476	C6277.1		10244	C6399		.9352
C6037.1		10766.1	C6125		10480	C6278		10172	C6400		.9356
C6037.4		10768	C6130		10472	C6279		10008	C6401		.9646
C6037.6		10772	C6132		10484	C6279.1		10012	C6402		.9348
C6037.61		10776	C6132.1		10488	C6280		10164	C6404		.9344
C6039		10778	C6138		10468	C6280.1		10168	C6406		.9336
C6040		10736	C6146		10464	C6281		10000	C6408		.9340
C6041		10740	C6152		10440	C6282		10004	C6409		.9316
C6042		10732	C6154		10444	C6285		10028	C6412		.9608
C6043		10708	C6156		10448	C6287		10030	C6412.2		.9620
C6044.5		10720	C6156.1		10452	C6287.5		10018	C6412.21		.9624
C6044.6		10724	C6158		10456	C6288		10016	C6416		.9632
C6048		10704	C6168		10436	C6290		9992	C6418		.9636
C6052		10700	C6172		10340	C6291		9996	C6419		.9640
C6056		10696	C6173		10342	C6292		10160	C6420		.9644
C6057		10636	C6174		10428	C6294		10152	C6421		.9648
C6057.4		10640	C6175		10432	C6296		10156	C6422		.9652
C6060		10624	C6175.9		10424	C6298		10136	C6423		.9656
C6062		10632	C6176		10352	C6298.1		10140	C6424		.9660
C6066		10628	C6176.1		10348	C6300		10144	C6426		.9664
C6068		10652	C6176.5		10353	C6300.1		10148	C6430		.9672
C6069		10656	C6184		10356	C6302		10132	C6431		.9676
C6069.1		10660	C6186		10372	C6304		10128	C6432		.9680
C6070		10664	C6188		10376	C6307		10124	C6433		.9684
C6070.1		10668	C6190		10380	C6308		10123.6	C6434		.9696
C6071		10672	C6194.5		10360	C6309		10122	C6436		.9724
C6072		10676	C6194.51		10364	C6309.1		10123	C6440		.9688
C6075		10680	C6195		10404	C6311		10120	C6442		.9692
C6075.1		10684	C6196		10396	C6314		10116	C6444		.9700

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

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
C6446	.....	9704	C6549	.....	9528	C6675.6	.....	8888	C6814.5	.....	8718
C6448	.....	9728	C6550	.....	9548	C6675.8	.....	8900	C6814.501	.....	8718.1
C6450	.....	9732	C6551.2	.....	9560	C6676.2	.....	8902	C6816	.....	8724
C6452	.....	9708	C6558	.....	9556	C6676.3	.....	8904	C6818	.....	8640
C6453	.....	9712	C6568	.....	9484	C6676.5	.....	8908	C6820	.....	8704
C6454	.....	9716	C6570	.....	9496	C6676.6	.....	8906	C6824	.....	8712
C6459	.....	9972	C6571	.....	9492	C6676.8	.....	8952	C6824.1	.....	8716
C6459.3	.....	9972.2	C6572	.....	9488	C6677	.....	8960	C6829	.....	8608
C6460	.....	9968	C6576	.....	9040	C6677.1	.....	8962	C6832	.....	8616
C6462	.....	9328	C6578	.....	9044	C6677.2	.....	8964	C6832.1	.....	8620
C6463.2	.....	9332	C6580	.....	9048	C6677.4	.....	8956	C6833	.....	8626
C6463.3	.....	9320	C6582	.....	9052	C6677.6	.....	8968	C6834	.....	8624
C6463.5	.....	9076	C6583.6	.....	9008	C6677.8	.....	8972	C6836	.....	8612
C6465	.....	9056	C6584	.....	9012	C6677.81	.....	8976	C6838	.....	8628
C6466	.....	9054	C6585	.....	9016	C6678	.....	8980	C6840	.....	8632
C6468	.....	9068	C6587.2	.....	9036	C6678.4	.....	8984	C6842	.....	8644
C6468.5	.....	9070	C6587.4	.....	9032	C6678.5	.....	8982	C6842.1	.....	8648
C6470	.....	9060	C6587.6	.....	9020	C6678.8	.....	8996	C6845	.....	8652
C6471.6	.....	9064	C6587.7	.....	9024	C6678.81	.....	9000	C6846	.....	8656
C6472	.....	9080	C6587.8	.....	9025	C6679	.....	8992	C6846.1	.....	8660
C6472.1	.....	9084	C6587.9	.....	9026	C6679.2	.....	9004	C6846.5	.....	8654
C6476	.....	9096	C6587.95	.....	9028	C6680	.....	9005	C6847	.....	8668
C6476.1	.....	9100	C6588	.....	9140	C6680.3	.....	9006	C6848	.....	8664
C6477	.....	9116	C6590	.....	9146	C6720	.....	8884	C6855	.....	8564
C6478	.....	9104	C6592	.....	9144	C6722	.....	8880	C6855.1	.....	8568
C6480	.....	9108	C6594	.....	9148	C6724	.....	8876	C6856	.....	8572
C6481	.....	9112	C6596	.....	9152	C6726	.....	8872	C6856.4	.....	8574
C6482	.....	9128	C6598	.....	9184	C6730	.....	8864	C6856.41	.....	8574.1
C6482.1	.....	9132	C6602	.....	9164	C6732	.....	8860	C6857	.....	8594
C6484	.....	9120	C6606	.....	9168	C6734	.....	8868	C6857.4	.....	8576
C6484.1	.....	9124	C6614	.....	9180	C6738	.....	8848	C6857.41	.....	8580
C6485	.....	9134	C6618	.....	9188	C6738.1	.....	8852	C6858	.....	8540
C6488	.....	9136	C6618.4	.....	9192	C6740	.....	8856	C6859	.....	8560
C6495	.....	9376	C6619	.....	9196	C6742	.....	8844	C6860	.....	8552
C6496	.....	9380	C6620	.....	9200	C6744	.....	8840	C6860.1	.....	8556
C6498	.....	9396	C6620.4	.....	9201	C6748	.....	8800	C6862	.....	8548
C6502	.....	9392	C6621	.....	9202	C6750	.....	8796	C6864	.....	8544
C6503	.....	9400	C6621.1	.....	9202.1	C6752	.....	8836	C6866	.....	8428
C6504	.....	9408	C6623	.....	9204	C6754	.....	8828	C6868	.....	8528
C6505	.....	9402	C6625	.....	9212	C6754.1	.....	8832	C6868.1	.....	8532
C6506	.....	9404	C6625.4	.....	9224	C6760	.....	8784	C6872	.....	8520
C6508	.....	9420	C6626	.....	9220	C6764	.....	8820	C6872.1	.....	8524
C6510	.....	9424	C6628	.....	9216	C6764.1	.....	8824	C6873	.....	8476
C6514	.....	9428	C6632	.....	9232	C6766	.....	8812	C6874	.....	8480
C6515	.....	9432	C6634	.....	9236	C6766.1	.....	8816	C6876	.....	8484
C6516	.....	9436	C6636	.....	9248	C6768	.....	8808	C6878	.....	8596
C6518	.....	9448	C6640	.....	9264	C6772	.....	8776	C6882	.....	8584
C6518.1	.....	9452	C6642	.....	9252	C6774	.....	8780	C6888	.....	8588
C6522	.....	9456	C6644	.....	9256	C6786	.....	8772	C6890	.....	8604
C6524	.....	9460	C6646	.....	9268	C6788	.....	8768	C6892	.....	8600
C6524.5	.....	9464	C6648	.....	9260	C6790	.....	8764	C6894	.....	8672
C6525	.....	9468	C6649	.....	9250	C6792	.....	8760	C6896	.....	8676
C6528	.....	9472	C6650	.....	9262	C6794	.....	8748	C6898	.....	8688
C6532	.....	9440	C6654	.....	9280	C6794.5	.....	8732	C6900	.....	8696
C6534	.....	9444	C6658	.....	9284	C6795	.....	8752	C6901	.....	8692
C6536	.....	9504	C6660	.....	9288	C6796	.....	8756	C6902	.....	8700
C6538	.....	9508	C6662	.....	9292	C6800	.....	8736	C6904.8	.....	8702
C6539	.....	9512	C6664	.....	9296	C6802	.....	8740	C6904.9	.....	8703
C6540	.....	9524	C6666	.....	9300	C6803	.....	8742	C6954	.....	8440
C6541	.....	9532	C6669	.....	9368	C6803.1	.....	8744	C6956	.....	8412
C6542	.....	9536	C6670	.....	9308	C6810	.....	8728	C6956.1	.....	8416
C6544	.....	9476	C6672	.....	9312	C6810.1	.....	8725	C6958	.....	8420
C6545	.....	9480	C6673	.....	9372	C6810.2	.....	8725.1	C6962	.....	8408
C6545.2	.....	9516	C6675	.....	8896	C6814	.....	8720	C6964	.....	8404
C6546	.....	9520	C6675.4	.....	8892	C6814.01	.....	8720.1	C6966	.....	8432

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

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
C6968		8436	C7120		8180	C7242.1		9812	C7354.4		7892
C6974		8448	C7122		8176	C7246		9816	C7354.6		7896
C6976		8444	C7124		8172	C7248		9820	C7354.8		7900
C6978		8424	C7130		8164	C7248.1		9824	C7356		7902
C6982		8460	C7132		8160	C7250		9828	C7356.1		7902.1
C6982.1		8460.1	C7136		8152	C7252		9830	C7358		7876
C6984		8464	C7137		8150	C7260		7756	C7358.4		7872
C6988		8468	C7138		8148	C7262		7760	C7360		7864
C6988.1		8472	C7140		8144	C7262.1		7764	C7360.1		7868
C6990		8452	C7146		8124	C7266		7752	C7370		7912
C6994		8488	C7147		8125	C7268		7744	C7370.1		7916
C6996		8492	C7147.1		8126	C7268.1		7748	C7378		7848
C6998		8496	C7150		9832	C7270		7740	C7380		7852
C7004		8504	C7154		9840	C7272		7737	C7390		7844
C7006		8508	C7156		9836	C7272.1		7738	C7394		7832
C7010		8516	C7160		9848	C7274		7736	C7394.1		7836
C7022		8400	C7162		9844	C7276		7728	C7400		7800
C7026		8396	C7163		9852	C7276.1		7732	C7400.1		7804
C7028		8392	C7164		9856	C7280		7720	C7402		7792
C7030		8384	C7168		9860	C7284		7724	C7402.1		7796
C7032		8388	C7168.1		9864	C7287		8116	C7408		7808
C7036		8372	C7169		9876	C7287.1		8120	C7408.1		7812
C7036.1		8376	C7170		9868	C7288		8108	C7410		7816
C7038		8368	C7171		9872	C7292		8052	C7410.1		7820
C7040		8364	C7178		9888	C7295		8068	C7416		7776
C7044		8356	C7180		9880	C7295.1		8072	C7420		7780
C7044.1		8360	C7180.1		9884	C7295.5		8104	C7421		7783
C7046		8352	C7182		9892	C7295.9		8080	C7421.11		7782.2
C7048		8348	C7184		9896	C7296		8076	C7421.2		7782
C7050		8344	C7185		9897	C7296.1		8078	C7422		7768
C7054		8336	C7185.1		9897.5	C7298		8092	C7422.1		7772
C7056		8328	C7185.6		9898	C7298.1		8096	C7425		7784
C7056.1		8332	C7185.61		9898.1	C7299		8084	C7425.1		7788
C7058		8324	C7186		9900	C7299.1		8088	C7428.1		7717.1
C7060		8320	C7186.1		9904	C7300		8100	C7428.2		7717
C7064		8312	C7188		9912	C7317		8032	C7431		7712
C7064.1		8316	C7189		9916	C7317.1		8036	C7431.1		7716
C7066		8244	C7192		9908	C7318		8008	C7432		7680
C7068		8304	C7196		9920	C7318.1		8012	C7434		7664
C7070		8308	C7198		9924	C7320		8016	C7434.1		7668
C7072		8240	C7200		9928	C7320.1		8020	C7436		7672
C7074		8236	C7202		9932	C7321		8022	C7436.1		7676
C7076		8232	C7202.4		9936	C7321.1		8022.1	C7438		7684
C7078		8212	C7202.5		9940	C7324		7996	C7438.1		7688
C7081		8218, 8220	C7202.7		9944	C7326		8000	C7438.4		7652
C7082		8216	C7202.8		9948	C7326.1		8004	C7438.8		7648
C7084		8208	C7205		9956	C7328		7980	C7438.9		7656
C7086		8228	C7205.1		9960	C7328.1		7984	C7438.91		7660
C7087.3		8247	C7206		9964	C7330		7988	C7440		7708
C7088		8248	C7210		9736	C7330.1		7992	C7442		7696
C7088.1		8252	C7211		9752	C7332		7976	C7444		7700
C7096		8268	C7212		9740	C7336		7960	C7445		7704
C7096.1		8272	C7214		9744	C7336.1		7964	C7446		7564
C7098		8264	C7214.1		9748	C7338		7968	C7447		7566
C7099		8300	C7218		9756	C7338.1		7972	C7448		7568
C7100.1		8280	C7218.1		9760	C7340		7952	C7449		7572
C7102		8284	C7224		9772	C7342		7944	C7450		7576
C7103		8288	C7228		9776	C7342.1		7948	C7450.5		7584
C7104		8292	C7228.1		9780	C7348		7920	C7451		7640
C7105		8296	C7235		9782	C7348.1		7924	C7451.1		7644
C7108		8200	C7236		9796	C7349		7908	C7451.4		7632
C7110		8196	C7236.5		9792	C7350		7904	C7451.5		7636
C7114		8188	C7238		9800	C7352		7880	C7451.7		7628
C7114.1		8192	C7238.1		9804	C7354		7884	C7452		7580
C7118		8184	C7242		9808	C7354.2		7888	C7452.6		7540

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

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
C7453.2		7520	C7495		7488	C7527.81		7382.1	C7559.61		7256
C7453.4		7536	C7498		7492	C7528		7372	C7564		7240
C7453.6		7524	C7504		7504	C7530		7356	C7568		7208
C7453.7		7528	C7506		7508	C7530.1		7360	C7568.1		7212
C7454		7544	C7506.1		7512	C7532		7364	C7570		7216
C7454.1		7548	C7510		7464	C7534		7352	C7570.1		7220
C7454.3		7552	C7512		7420	C7535		7344	C7572.3		7222
C7455		7532	C7514		7412	C7535.1		7348	C7572.31		7222.1
C7460		7556	C7516		7416	C7536		7324	C7572.6		7198
C7462		7588	C7517		7428	C7538		7316	C7572.62		7199
C7464		7592	C7518		7426	C7540		7328	C7572.7		7200
C7464.1		7596	C7519		7424	C7540.1		7332	C7572.8		7204
C7468		7600	C7520		7432	C7540.4		7320	C7573		7192
C7468.1		7604	C7520.1		7436	C7541		7336	C7573.1		7196
C7470		7560	C7524		7440	C7541.1		7340	C7574		7184
C7472		7608	C7524.1		7444	C7544		7304	C7574.1		7188
C7472.1		7612	C7525		7448	C7546		7308	C7578		7176
C7476		7616	C7526		7452	C7546.1		7312	C7578.1		7180
C7480		7620	C7526.1		7456	C7548		7296	C7582		7152
C7487		7469	C7527		7460	C7550		7300	C7584		7164
C7488		7516	C7527.1		7392	C7551		7284	C7584.1		7168
C7489		7495	C7527.2		7404	C7551.1		7288	C7586		7156
C7489.1		7495.1	C7527.21		7408	C7551.6		7292	C7586.1		7160
C7489.5		7497	C7527.3		7396	C7552		7264	C7588		7144
C7490		7468	C7527.31		7400	C7553		7268	C7588.1		7148
C7492		7472	C7527.6		7384	C7553.1		7272	C7592		7136
C7492.1		7476	C7527.7		7376	C7556		7276	C7592.1		7140
C7494		7480	C7527.71		7380	C7556.1		7280			
C7494.1		7484	C7527.8		7382	C7559.6		7252			