



PUB. 116
LIST OF LIGHTS

RADIO AIDS AND FOG SIGNALS

2024

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

IMPORTANT

**MARINERS SHOULD REFER TO NGA'S MARITIME SAFETY
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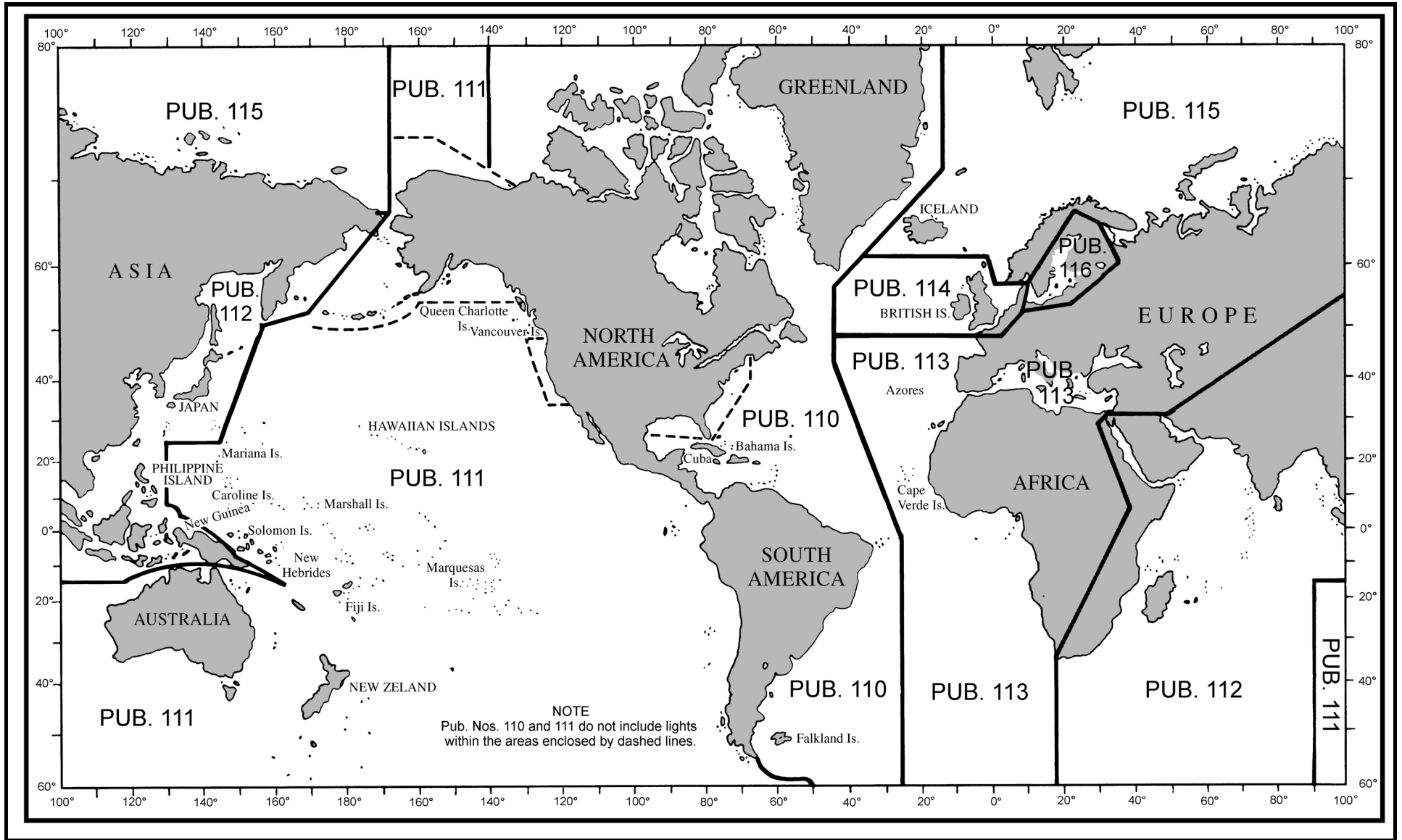


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NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY
Springfield, VA

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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 2024 edition of Pub. 116, List of Lights, Radio Aids and Fog Signals for the 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 04 May 2024, including Notice to Mariners No. 18 of 2024.

EXPLANATORY REMARKS

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. Individual Radiobeacons and DGPS Stations are listed in a separate section in the back of this publication.

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.

CORRECTIVE INFORMATION

Updates to the List of Lights are no longer published in NGA's weekly Notice to Mariners. The List of Lights publications are updated monthly and made available as downloadable PDFs on the NGA's Maritime Safety Information (MSI) website at <https://msi.nga.mil>. Mariners should refer to the MSI website to obtain the latest List of Lights information.

Users should refer corrections, additions, and comments to NGA's Maritime Operations Desk, as follows:

1. Maritime Quality Feedback System: <https://marhelp.nga.mil/>
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MARITIME SAFETY OFFICE
N64-SFH
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY
7500 GEOINT DRIVE
SPRINGFIELD, VA 22150-7500

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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 measured from the focal plane of the fixed light to charted height datum. Equivalent measurement given in meters listed below in 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 measured from the top of the structure to the ground.

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











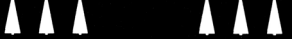


Where the lights of different countries intermingle in the list they are distinguished by the following letters:








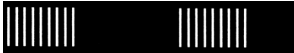


(D.)	Denmark
(F.)	Finland
(G.)	Germany
(P.)	Poland
(R.)	Russia
(S.)	Sweden

Other abbreviations:

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

CHARACTERISTICS OF LIGHTS

TYPE	ABBR.	GENERAL DESCRIPTION	ILLUSTRATION
Fixed	F.	A continuous and steady light.	
Occulting	Oc.	The total duration of light in a period is longer than the total duration of darkness and the intervals of darkness (eclipses) are usually of equal duration. Eclipse regularly repeated.	 Period 12s
Group occulting	Oc.(2)	An occulting light for which a group of eclipses, specified in number, is regularly repeated.	 Period 14s
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.	 Period 9s
Isophase	Iso.	A light for which all durations of light and darkness are clearly equal.	 5s 5s
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).	 10s
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.	 Period 8s
Group flashing	Fl.(3)	A flashing light for which a group of flashes, specified in number, is regularly repeated.	 Period 12s
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.	 Period 15s
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.	 Period 10s
	Q.(9)		 Period 12s
	Q.(6)+L.Fl.		 Period 15s

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.

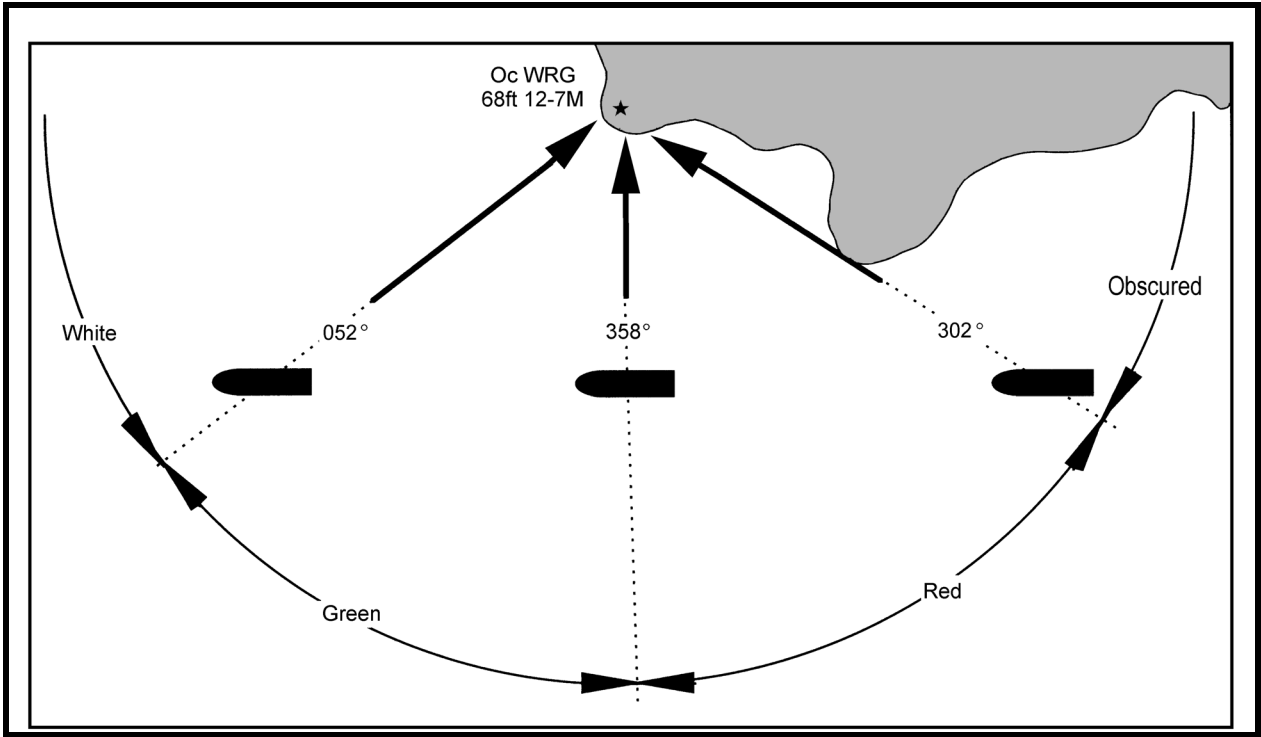
Aeromarine lights—marine-type lights for which part of the beam is deflected to an angle of 10 to 15 degrees above the horizon to facilitate use by aircraft.

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 south-

west 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.

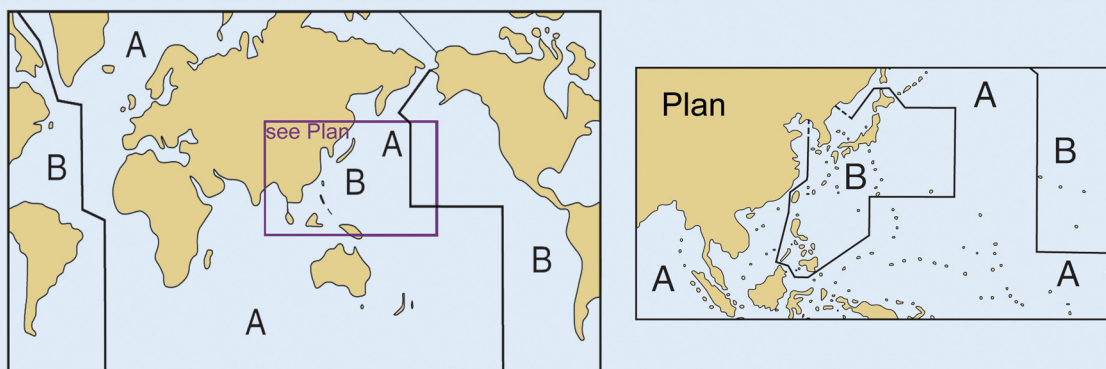
If a vessel is seen to be running into danger, a gun will be fired (groups of 2 reports at intervals of 3 minutes), the bell will be rung and signals made in accordance with the International Code of Signals.

IALA Maritime Buoyage System

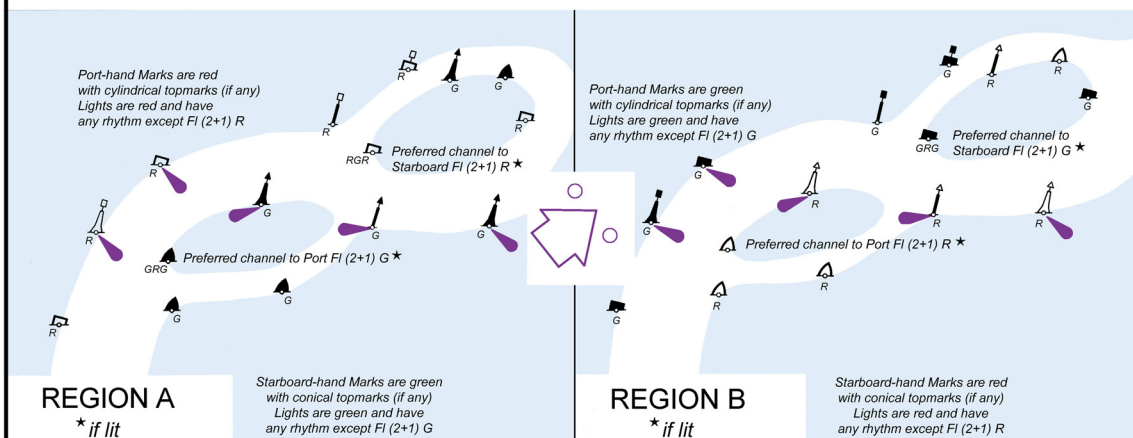
International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA)



Where in force, the IALA System applies to all fixed and floating marks except landfall lights, leading lights and marks, sectored lights and major floating lights. The standard buoy shapes are cylindrical (can) , conical , spherical , pillar , and spar , but variations may occur, for example: minor light floats . In the illustrations below, only the standard buoy shapes are used. In the case of fixed beacons (lit or unlit) only the shape of the topmark is of navigational significance.

IALA Buoyage Regions A and B



Lateral marks are generally for well-defined channels and are defined by their IALA Buoyage Region. The direction of buoyage is that taken when approaching a harbor from seaward. Along coasts, the direction is determined by buoyage authorities, normally clockwise around land masses.



BEACONS with IALA System topmarks are charted by upright symbols. eg:  or, 

on smaller-scale charts:  Beacon towers are charted: 

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

Refer to Chart 1 for further detailed information on lights, beacons, and buoys.

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 opera-

tor, 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.

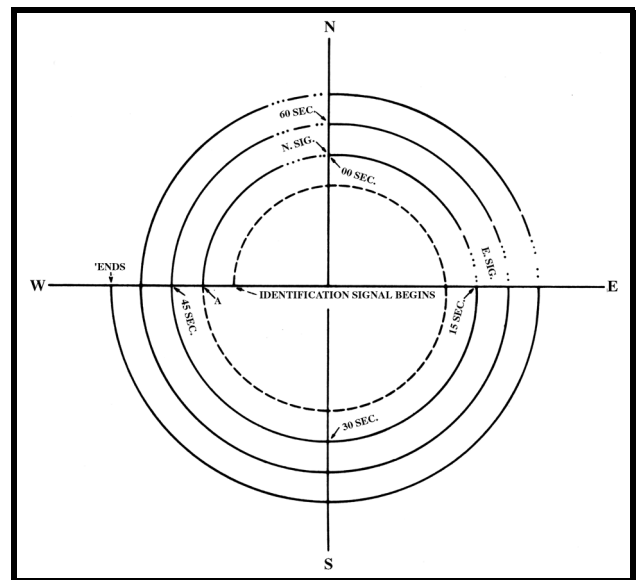
(A correction must, of course, be made for convergency; this should be applied as if the beacon were a shore radio direction-finder station.)

(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

List of Lights

(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	30 9	W. 6 R. 5 G. 4	Tower.	G. 177°54'-204°42', W. - 224°42', R. -297°18', G. - 22°48', W. -26°18', R. - 54°42', G. -82°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. -22°30', W. -28°, R. -66°, G. -74°, 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°-51°, W. -59°, R. - 132°, G. -140°30', W. - 145°, R. -216°, G. -242°, W. -255°30', R. -327°.
	RACON		K(- - -)		12		(3 & 10 cm).
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. 9 R. 6 G. 5	White building.	W. 49°-57°, G. 90°-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. 5 R. 3 G. 2	White building, lantern.	W. 145°-220°, G. -315°, W. - 321°, R. -340° Intensified on range line.
24 C0281.01	-Rear, 500 meters 161°30' from front	58° 56.1' N 11° 07.9' E	Q.W.R.	49 15	W. 4 R. 3	White building, lantern.	W. 156°-180°, R. -200°, W. - 250° Intensified on range line. Bearing 162° is the approx. N shoreline limit.
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. UNINTENSIFIED222°- 233° ~ W. UNINTENSIFIED-242°, R. UNINTENSIFIED- 251°, G. UNINTENSIFIED-262°, W. UNINTENSIFIED- 272°, R. UNINTENSIFIED-353°, W. UNINTENSIFIED- 40°30', G. -52°30', W. - 53°48', R. 78°.
32 C 0283	Kristhallan	58° 56.0' N 11° 07.7' E	Iso.W.R.G. period 3s	26 8	W. 8 R. 6 G. 5	White building.	G. 285°-303°, W. -333°, R. - 33°, G. -99°, W. -101°, R. -107°.
36 C 0284	Halsorholmen	58° 56.0' N 11° 08.0' E	Fl.W. period 3s	26 8	2	Cairn, white lantern.	
40 C 0285	Likholmen	58° 55.4' N 11° 06.6' E	Q.W.R.G.	26 8	W. 6 R. 4 G. 3	White lantern.	G. 196°12'-243°30', W. - 249°18', R. -324°54', G. - 33°18', W. -36°24', R. - 56°42', G. -68°36', W. - 75°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 building, red roof.	R. 185°30'-201°, G. -36°, W. -62°, R. -75°30'.
48 C 0290	Ekenas Range, front	58° 53.8' N 11° 02.7' E	F.G.	49 15	6	Post, white triangle, point up daymark.	Fishing light.
52 C0290.01	-Rear, 165 meters 240° from front	58° 53.7' N 11° 02.5' E	F.G.	85 26	6	Post, white triangle, point down daymark.	Fishing light.
56 C 0289	Ekenas Range, front	58° 53.7' N 11° 02.9' E	F.R.	13 4	3	Column.	Fishing light.
60 C0289.01	-Rear, about 165 meters 176° from front	58° 53.6' N 11° 02.9' E	F.R.	16 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	FI.W.R.G. period 3s	39 12	W. 7 R. 5 G. 4	White concrete tower, black banded; 36.	G. 122°54'-167°, W. -182°12', R. -191°6', G. -248°, W. -250°36', R. -292°12', G. -334°36', W. -336°48', R. -346°24', G. -32°24'.
68 C 0298	Kostersundet Sodra Range, front	58° 53.2' N 10° 59.9' E	F.R.	39 12	6	Post.	Fishing light.
72 C 0298.01	-Rear, about 95 meters 015° from front	58° 53.2' N 10° 59.9' E	F.R.	59 18	6	Post.	Fishing light.
76 C 0293	Vattenholmen	58° 52.5' N 11° 06.4' E	FI.(2)W.R.G. period 6s	33 10	W. 8 R. 6 G. 5	White lantern, red roof.	G. 337°24'-7°, W. -13°, R. -18°30', G. 38°12'-101°, W. -114°12', R. -148°30'.
84 C 0300	Lilla Brattskar	58° 51.9' N 11° 04.1' E	FI.W.R.G. period 3s	30 9	W. 5 R. 3 G. 3	Post, lantern; 7.	G. 0°-28°30', W. -36°30', R. -152°, G. -211°, W. -230°, R. -250°.
88 C 0301	Rundegra	58° 51.1' N 11° 02.9' E	FI.W.R.G. period 2s fl. 0.4s, ec. 1.6s	26 8	W. 5 R. 3 G. 2	White building, lantern.	G. 197°-225°, W. -240°, R. -288°, G. -15°, W. -20°, R. -37° Fishing light.
92 C 0302	Skareskar	58° 50.3' N 11° 02.6' E	FI.(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 banded.	G. 264°-42°, W. -50°, 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.FI.(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 banded; 43.	R. 349°-36°, W. -169°, R. -174°, W. -337°, G. -341°, W. -349°.
112 C 0306	Svangen	58° 47.9' N 11° 07.1' E	FI.W.R.G. period 3s	69 21	W. 16 R. 13 G. 12	White lantern.	R. 302°-25°, G. -42°, W. -47°, R. -76°, G. -107°, W. -108°30', R. -136°, G. -167°30', W. -169°30', R. -204°, W. -238°.
114 C 031	Bissen	58° 48.1' N 11° 09.3' E	FI.(2)W.R.G. period 6s	26 8	W. 6 R. 4 G. 4	White building, 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	FI.(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 banded; 62.	G. 346°30'-2° W. -46°, R. -78°, G. -108°, W. -143°, R. -189°, G. -220°, W. -263°, G. -272°, R. -279°, W. -338°, R. -346°30'.
	RACON		M(-)		13		(3 & 10 cm).
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 building, red roof.	G. 355°-12°, R. -39°48', W. -179°12', G. -187°, W. -188°42', R. -195°18'. Flood light.
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 building, red roof.	
128 C 0314	Vacker Rock	58° 42.8' N 11° 09.7' E	FI.(4)W.R.G. period 12s	43 13	W. 9 R. 6 G. 5	White tower, red roof, black banded, gray conical base; 43.	G. 344°42'-15°54', W. -19°18', R. -34°36', G. -71°36', W. -85°36', R. -99°30', G. -285°36', R. -344°42'.
132 C 0320	Stangeskar	58° 39.6' N 11° 11.6' E	FI.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. -65°.
136 C 0324	Bramskar	58° 39.2' N 11° 09.4' E	FI.W.R.G. period 6s	30 9	W. 7 R. 6 G. 5	White lantern, red concrete base.	G. 2°-10°, W. -15°, R. -20°, G. -67°30', W. -97°, R. -118°, G. 248°-255°30', W. -258°, R. -272°, G. -287°30', W. -306°, R. -328°.

GREBBESTAD:

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-WEST COAST							
140 C 0319	-Ottero, NW. side	58° 39.6' N 11° 12.9' E	FI.(2)W.R.G. period 6s	30 9	W. 6 R. 5 G. 4	White lantern.	G. 55°-87°, W. -93°, R. -129°, G. UNINTENSIFIED- 221°.
144 C 0317	-Svinnas Range, front	58° 40.6' N 11° 14.5' E	Q.R. Q.W.R.G.	16 5	6 W. 3 R. 2 G. 2	White square daymark, lantern.	Visible in line of range (vorlo) G. 234°54'-239°12', W. - 243°6', R. -42°48'.
148 C0317.01	--Rear, 250 meters 042° from front	58° 40.7' N 11° 14.6' E	Iso.R. period 2s	30 9	5	Building, white square daymark lantern.	
152 C 0316	-Range, front	58° 41.3' N 11° 15.4' E	F.R.	16 5	6	Lantern, white triangle, point up daymark.	
156 C0316.01	--Rear, about 105 meters 010°30' from front	58° 41.4' N 11° 15.4' E	F.R.	30 9	6	Lantern, white triangle, point down daymark.	
FJALLBACKA APPROACH:							
160 C 0322	-Djupskar	58° 38.2' N 11° 11.8' E	FI.(3)W.R.G. period 9s	30 9	W. 7 R. 5 G. 4	White tower, black banded; 20.	G. 250°-339°, W. -341°30', R. -70°, 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	FI.(2)W.R.G. period 6s	46 14	W. 6 R. 4 G. 3	White tower, black base; 30.	G. 320°-4°, W. -26°, R. -39°, G. -48°, W. -72°30', R. - 85°, 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- 50°30', G. -93°, W. -97°, R. -115°.
172 C 0329	-Trybergsholm	58° 35.6' N 11° 13.0' E	FI.W.R.G. period 3s	20 6	W. 5 R. 3 G. 2	White lantern.	G. 47°30'-63°, W. -72°, 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. 0°-16°, W. -19°, R. -68°, G. -133°, W. -138°, R. -149°.
184 C 0327	-Lilla Kotto	58° 36.3' N 11° 15.6' E	FI.W.R.G. period 3s	33 10	W. 6 R. 4 G. 3	White lantern.	G. 302°-318°30', W. -327°, R. -340°, W. UNINTENSIFIED-71°, G. -86°30', W. -90°, R. - 115°30', W. UNINTENSIFIED-150°, G. -170°, W. -173°, R. - 178°.
192 C 0335	Vaderobod	58° 32.5' N 11° 01.8' E	L.FI.W. period 8s	105 32	6	Red tower; 62.	
196 C 0334	Skalholmen	58° 32.6' N 11° 05.7' E	FI.W.R.G. period 6s	46 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. - 2°30', W. -8°, R. -32°.
200 C 0338	Sandviksholmen, N. side	58° 33.6' N 11° 14.6' E	FI.(2)W.R.G. period 6s	33 10	W. 6 R. 4 G. 3	White tower, red roof; 23.	G. 14°-45°30', W. -48°, R. - 122°, G. -190°30', W. - 193°, R. -242°.
204 C 0339	Sotens Svartskar	58° 32.9' N 11° 13.3' E	FI.(3)W.R.G. period 9s	23 7	W. 8 R. 6 G. 5	White tower; 20.	R. 350°-355°, G. -4°, W. - 18°30', R. -36°30', G. - 48°, W. -51°30', R. -63°, G. 172°30'-210°, W. - 217°, R. -302°.
SOTE FJORD:							

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-WEST COAST							
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. 1 G. 1	White lantern.	W. 356°-16', G. UNINTENSIFIED88°- 141°12', W. UNINTENSIFIED-150°, R. UNINTENSIFIED- 164°30' Intensified on range line.
212 C0340.01	--Rear, Magholmen 901 meters 006° from front	58° 32.4' N 11° 13.6' E	Q.W.	56 17	10	White building, white square daymark.	
220 C 0344	-Soo (Ramsvik), N. Point Range, front	58° 26.8' N 11° 15.5' E	Q.W.	20 6	7	White building, 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. - 0°48', R. -35°42', G. - 99°30', W. -117°48', R. - 121°42', G. -185°24'.
240 C 0352	-Mjolskar (Miolskar)	58° 24.8' N 11° 11.7' E	FI.W.R.G. period 3s	46 14	W. 7 R. 5 G. 4	Black tower, white top, gray conical base; 46.	G. 355°6'-21°54', W. - 25°30', R. -168°48', G. - 193°48', W. -195°54', R. -355°6'.
242 C 0353	Skarvasatt, N. head	58° 21.8' N 11° 12.5' E	FI.(2)W.R.G. period 6s	46 14	W. 8 R. 5 G. 4	Red lantern.	G. UNINTENSIFIED10°54'- 82°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 in line of range (vorlo)
248 C 0354.1	--Rear, 1005 meters 016° from front	58° 23.8' N 11° 13.4' E	Q.R.	56 17	8	Column, white pedestal.	Visible in line of range (vorlo)
260 C 0361	Kolebadan	58° 21.1' N 11° 15.3' E	Iso.W.R.G. period 3s	20 6	W. 10 R. 7 G. 6	White pedestal, white and black base.	G. 4°30'-84°36', W. -87°12', R. -178°48', W. -4°30'.
268 C 0369	Pengesarsbadan	58° 20.8' N 11° 13.2' E	FI.(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	FI.W.R.G. period 3s	20 6	W. 5 R. 4 G. 3	White pedestal, black base.	G. 38°30'-106°48', W. - 111°54', R. -120°42', W. -250°6'.
276 C 0375	Hallo	58° 20.2' N 11° 13.2' E	FI.W. period 12s	131 40	10	White round masonry tower, red top; 66.	Flood light.
282 C 0371	Byttelocket	58° 21.2' N 11° 14.3' E	FI.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, secondary structure: pile; 23.	Visible in line of range (vorlo)
			Q.W.R.G.	49 15	W. 6 R. 6 G. 5		G. 45°36'-54°48', W. - 57°54', R. -69°.
288 C 0370.1	-Rear, 200 meters 023°36' from front	58° 21.5' N 11° 14.9' E	Iso.R. period 2s	92 28	6	Red lantern.	Visible in line of range (vorlo) Synchronized with front..
292 C 0372	-Fiskeham Range, front	58° 21.5' N 11° 14.3' E	F.G.	23 7	6	Post, white triangle, point up daymark.	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 triangle, point down daymark.	Fishing light.
308 C 0364	Fisketangen Range, front	58° 21.5' N 11° 16.0' E	F.R.	43 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.	69 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 R. 14 G. 12	White tower, green banded; 85.	R. 226°36'-311°6', G. -352°, R. -28°6', G. -45°48', W. -226°36' Partially obscured 245°-256°. Flood light Helicopter Platform.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-WEST COAST							
	RACON		B(- . . .) period 20s		15		(3 & 10 cm).
320 C 0376.2	-Dynabrott	58° 17.8' N 11° 18.6' E	Oc.W.R.G. period 8s	82 25	W. 15 R. 14 G. 12	White concrete tower, red banded, gray base; 85.	R. 52°12'-60°, R. 71°-77°24', G. -180°, G. 191°-209°, R. -214°54', G. -226°, W. -52°12' Partially obscured 060°-071° and 180°-191°. Flood light Helicopter Platform.
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 tower, pilot lookout; 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.	Visible 49°30' In line 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.	Visible 51°30' In line with Fiskebacksvik light marking NW. limit of channel.
332 C 0376.5	-Stretudden 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.	39 12	8	White tower; 26.	Flood light.
344 C 0378.6	-Tinnholmen	58° 19.5' N 11° 23.8' E	Q.W.R.G.	43 13	W. 7 R. 5 G. 4	White tower; 26.	R. 9°36'-98°30', G. -118°6', 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 R. 4 G. 3	Tower.	R. 254°54'-259°24', G. -263°24', W. -288°48', R. -335°12', G. -343°54', W. -345°42', R. -358°36', G. -44°54', W. -58°48', R. -83°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 R. 7 G. 6	White beacon.	G. 336°12'-0°42', W. -4°36', R. -38°, G. -66°24', W. -76°42', R. -94°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 28°-49°30'.
364 C 0379	Svensholmen	58° 18.7' N 11° 21.9' E	Fl.(3)W.R.G. period 9s	46 14	W. 9 R. 6 G. 5	White tower; 23.	G. 46°48'-85°36', W. -88°30', R. -98°42', G. -152°, W. -168°12', R. -243°42', G. -313°.
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.	G. 179°48'-231°18', W. -46°30', R. -95°24', G. -148°42', R. -169°48'. Flood light.
376 C 0380	Blackhall	58° 18.6' N 11° 22.8' E	Fl.(2)W.R.G. period 6s	30 9	W. 8 R. 6 G. 5	Tower.	G. 310°6'-322°30', W. -327°30', R. -19°36', G. -112°18', W. -120°48', R. -150°.
378 C 0381	Stora Korno	58° 18.2' N 11° 22.5' E	F.W.R.G.	10 3	2	White building, concrete base.	G. 102°54'-170°6', W. -175°12', R. -190°12', G. -213°24', W. -222°24', R. -260°, W. -102°54'. Flood light.
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, base, red lantern.	G. 264°-36°, W. -43° R. -90°, G. -143°, W. -146°, R. -264°.
384	Sorgrundsberg Buoy	58° 17.0' N 11° 11.0' E	Q.(6) + L.Fl.W. period 15s			S. CARDINAL Yellow column, black topmark, black.	Radar reflector.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-WEST COAST							
388 C 0388	Stangholmen, E. side	58° 16.0' N 11° 24.9' E	Iso.W.R.G. period 4s	20 6	W. 6 R. 4 G. 3	White lantern.	G. 153°30'-163°18', W. - 164°42', R. -246°6', G. - 293°24', W. -328°6', R. - 12°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 banded, red lantern; 30.	G. UNINTENSIFIED234°30'- 241°30', W. UNINTENSIFIED-261°, R. UNINTENSIFIED- 311°, G. UNINTENSIFIED-2°30', G. -24°12', W. -30°12', R. -41°54', G. -53°30', W. -87°54', R. -110°6', G. -121°36'.
396 C 0382	Gulskaren, 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. UNINTENSIFIED237°- 258°, R. UNINTENSIFIED-315°, R. -346°30', G. -56°30', W. -59°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. 90°30'-94°48', W. - 95°36', R. -112°30', G. - 129°, W. -138°30', R. - 200°, G. -257°, W. -265°, R. -304°, G. -335°.
402 C 0390.5	Byeskaren	58° 15.7' N 11° 23.2' E	V.Q.G.	30 9	3	White concrete tower; 16.	Visible 70°-270°. Radar reflector.
404 C 0392	Slagbadan	58° 15.9' N 11° 26.3' E	L.FI.W.R.G. period 8s fl. 2s, ec. 6s	20 6	W. 9 R. 7 G. 6	White tower, gray base; 26.	G. 194°54'-226°42', R. - 248°54', G. -261°, W. - 273°6', R. -290°6', G. - 306°36', W. -316°6', R. - 352°18', G. -17°48', W. - 19°48', R. -42°36', G. - 82°42', W. -84°54', R. - 194°54'. Flood light.
416 C 0392.5	-Redd	58° 16.1' N 11° 27.2' E	Q.W.	20 6	4	White pedestal.	
417 C 0392.7	-Degausing Station W. Dolphin	58° 16.2' N 11° 27.0' E	2F.R.(vert.)		2	Post, dolphin.	
418 C 0392.8	-E. Dolphin	58° 16.2' N 11° 27.2' E	2F.R.(vert.)		2	Post, dolphin.	
428	Brofjorden Angoring Buoy	58° 15.0' N 11° 13.5' E	L.FI.W. period 10s			SAFE WATER Rw, pillar, topmark..	Radar reflector..
	RACON		G(- - +) period 30s		6		(3 & 10 cm).
	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. -6°30', G. -35°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	Grey latticed 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°-31°30', W. -34°12', R. -38°36', R. 44°24'- 47°48', G. -85°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	49 15	W. 8 R. 6 G. 5	White tower, black banded; 30.	G. 19°30'-35°42', W. - 51°30', R. -77°12', G. - 115°36', W. -124°6', 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	16 5	W. 5 R. 4 G. 3	Red lantern.	G. 286°36'-294°, W. - 300°42', R. -54°48', G. - 114°42', W. -122°6', R. - 136°12'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-WEST COAST							
452 C 0409	Ornekullen Range, front	58° 11.9' N 11° 29.8' E	Q.R.	66 20	9	White mast, white square daymark.	Visible in line of range (vorlo)
456 C 0409.1	-Rear, 255 meters 059° from front	58° 12.0' N 11° 30.0' E	Iso.R. period 4s	105 32	9	White pedestal, black white square daymark.	Visible in line of range (vorlo) Synchronized with front..
460 C 0409.5	Hallen Range, front	58° 11.7' N 11° 29.3' E	Q.G.	16 5	8	White pedestal.	
464 C 0409.6	-Rear, 210 meters 194° from front	58° 11.6' N 11° 29.2' E	Iso.G. period 4s	30 9	8	White pedestal.	Visible in line of range (vorlo) Synchronized with front..
468 C 0410	Tarneskar Range, front	58° 12.3' N 11° 29.6' E	Q.R.	16 5	8	White pedestal.	Visible in line of range (vorlo)
472 C 0410.1	-Rear, 80 meters 239°30' from front	58° 12.3' N 11° 29.5' E	Iso.W.R.G. period 4s	23 7	8	Pedestal, white triangle, point down daymark.	R. 200°-288°, G. -8°18', W. -11°54', R. -90°. Synchronized.
476 C 0410.5	Flato	58° 12.9' N 11° 30.7' E	FI.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. -10°48'.
480 C 0411	Morlanda	58° 12.3' N 11° 31.5' E	FI.(2)W.R.G. period 6s	20 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	Ravsnasudde Range, front	58° 15.6' N 11° 38.3' E	Iso.W. period 4s	46 14	10	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	10	White pedestal, white rectangular daymark.	
492 C 0411.6	Rafsnas	58° 15.5' N 11° 38.5' E	FI.W. period 3s	23 7	5	White post; 7.	Visible 225°-113°48'.
496 C 0411.9	Goden	58° 15.5' N 11° 39.0' E	FI.(2)G. period 6s	36 11	2	White post, green banded; 7.	Visible 53°12'-298°30'.
498 C 0412	Kalvon	58° 15.6' N 11° 39.8' E	FI.R. period 3s	30 9	3	White post, red banded; 7.	Visible 234°24'-125°.
500 C 0412.5	Saten	58° 15.6' N 11° 40.6' E	FI.(2)W.R.G. period 6s	23 7	W. 6 R. 4 G. 3	Beacon.	G. 357°18'-39°30', W. -48°30', R. -91°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	FI.W.R.G. period 3s	20 6	W. 5 R. 3 G. 3	White tower.	G. 180°-230°36', W. -237°, R. -324°, G. -42°, W. -56°30', R. -100° Partially obscured 100°-180°30'..
508 C 0413.3	Mattholm	58° 18.3' N 11° 43.3' E	FI.W.R.G. period 3s	16 5	W. 4 R. 2 G. 2	White pedestal.	G. 337°48'-89°42', W. -91°54', R. -183°18'.
512 C 0413	Oso	58° 18.2' N 11° 43.1' E	Q.R.G.	16 5	2	White pedestal.	G. 107°12'-281°, R. -346°54'.
516 C 0413.5	-Sandvikskullen	58° 18.1' N 11° 43.8' E	FI.(2)W.R.G. period 6s	16 5	W. 10 R. 7 G. 6	White lantern.	G. 60°-116°12', W. -119°30', R. -205°18', G. -246°24', W. -249°6', R. -320°.
528 C 0422	Tvestjarten	58° 10.5' N 11° 24.3' E	FI.(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 triangle, point up daymark.	G. 283°-75°, W. -229°.
544 C 0427	-Rear, 1000 meters 004° from front	58° 09.6' N 11° 24.0' E	Iso.W.G. period 5s	26 8	3	Red lantern.	G. 345°-10°, W. INTENSIFIED-198°30' on range line.
544.1 C 0426	--Stromholmen, rear, 1100 meters 010°30' from front	58° 10.1' N 11° 24.2' E	FI.W.R.G. period 3s fl. 0.7s, ec. 2.3s	30 9	W. 6 R. 4 G. 4	White pedestal, lantern.	G. 163°30'-186°30', W. -14°42', R. -29°48'.
548 C 0430	Jarnskar	58° 07.9' N 11° 24.1' E	FI.W.R.G. period 3s	16 5	W. 6 R. 4 G. 3	White lantern.	G. 28°-50°, W. -64°, R. -95°, G. -140°30', W. -147°30', R. -230°, W. -275°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-WEST COAST							
552 C 0434	Koljebergskil Range, front	58° 08.0' N 11° 25.1' E	Iso.R. period 3s	36 11	6	Black building, red band, white gable.	Visible in line of range (vorlo)
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 building, red band, white gable.	Visible in line of range (vorlo)
560 C 0438	Sorhallsudde Range, front	58° 08.2' N 11° 24.9' E	Iso.W. period 4s	23 7	9	Black building, red band, white gable.	Visible in line of range (vorlo)
564 C 0438.1	-Rear, 140 meters 345° from front	58° 08.2' N 11° 24.9' E	Q.W.	26 8	8	Black building, red band, white gable.	Visible in line of range (vorlo)
568 C 0444	Porsnasudde	58° 07.4' N 11° 25.4' E	Fl.(2)W.R.G. period 6s	20 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	30 9	W. 7 R. 5 G. 4	White tower, black banded; 23.	W. 151°6'-172°42', G. -209° W. -211°54', R. -236°30', Obscured -298°18', G. - 310°, W. -315°48', R. - 322°6'.
576 C 0447	Karingo telephone cable Range, front	58° 06.7' N 11° 22.2' E	F.R.	26 8	7	White rectangular daymark red stripe.	Visible in line of range (vorlo) 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.	49 15	7	White rectangular daymark red stripe.	Visible in line of range (vorlo)
584 C 0448	Oxskar	58° 07.1' N 11° 22.6' E	Fl.(3)W.R.G. period 9s	23 7	W. 6 R. 4 G. 4	White lantern.	G. 326°18'-341°, W. -348°6', R. -56°, W. -63°, Obscured -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	89 27	W. 16 R. 13 G. 12	White tower, red rectangular daymark; 43.	W. 12°30'-163°, R. -300°12', G. -12°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. - 88°, 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. -18°, 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. 0°-9°54', W. -14°12', R. - 21°, G. -72°18', W. - 77°36', R. -88°.
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	43 13	W. 8 R. 6 G. 5	White tower, black conical base; 43.	R. 315°-358°42', G. -44°48', W. -49°48', R. -78°, G. - 93°36', W. -117°, Obscured -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.W.	23 7		White pedestal.	
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 unlit beacon.
620 C 0468	Sodra Kyrkesund Range, front	58° 01.9' N 11° 30.9' E	Iso.R. period 4s	69 21	10	White pedestal.	Visible in line of range (vorlo)
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 in line of range (vorlo)
628 C 0472	Gasskar	58° 01.7' N 11° 30.7' E	Fl.(2)W.R.G. period 6s	13 4	W. 6 R. 4 G. 3	White lantern.	G. 323°48'-333°36', W. - 341°18', R. -70°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.	33 10	W. 8 R. 6	White pedestal, lantern.	W. 148°-161°, R. -173°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-WEST COAST							
HJARTOFJORD (HIERTO FJORD):							
648 C 0482	-Sanct Olovs Range, front	57° 59.9' N 11° 30.9' E	Iso.W.R.G. period 4s	26 8	W. 6 R. 4 G. 3	Red tower; 23.	W. 342°-49°, 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.	82 25	13	Red lantern.	Visible in line of range (vorlo)
656 C 0485	-Skarhamn Harbor Range, front	57° 59.6' N 11° 32.2' E	Iso.R. period 3s	23 7	11	Black building, blue banded, white lantern.	Visible in line of range (vorlo)
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 tower, framework, white square daymark; 30.	Visible in line of range (vorlo)
664 C 0486	-Eggskar	57° 56.8' N 11° 31.0' E	FI.(2)W.R.G. period 6s fl. 0.3s, ec. 1s fl. 0.3s, ec. 4.4s	26 8	W. 6 R. 4 G. 3	White tower; 23.	G. 73°-117°, W. -120°, R. - 139°, G. -243°, R. -265°, G. -295°, W. -299°, R. - 325°, G. -17°, R. -73°.
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.	43 13	2	Post.	Fishing light.
MARSTRANDSFJORDEN:							
680 C 0490	-Berlin Islet	57° 56.0' N 11° 33.1' E	FI.W.R.G. period 3s fl. 0.7s, ec. 2.3s	26 8	W. 5 R. 3 G. 3	Red lantern.	G. 330°30'-338°30', W. - 343°, R. -96°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.FI.W.R.G. period 8s fl. 2s, ec. 6s	23 7	W. 12 R. 10 G. 8	Red lantern.	G. 249°12'-262°24', W. - 263°42', R. -271°12', G. - 281°24', W. -293°54', R. -29°42', G. -42°36', W. - 63°, R. -83°6', G. - 89°42'.
688 C 0491	-Norra Astol Power Cable Range, front	57° 55.5' N 11° 35.3' E	F.R.	23 7	8	Lantern, white triangle, point up daymark black border stripe.	
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 triangle, point down daymark black border stripe.	
692 C 0491.4	-Astols Fishing Harbor Range, front	57° 55.5' N 11° 35.2' E	F.G.	16 5	2	White triangle, point up daymark.	Fishing light.
696 C 0491.5	--Rear, 60 meters 257° from front	57° 55.5' N 11° 35.1' E	F.G.	23 7	2	White triangle, point down daymark.	Fishing light.
701 C 0489.4	-Pater Noster	57° 53.7' N 11° 28.0' E	L.FI.W. period 15s	118 36	11	Red latticed tower; 105.	
708 C 0489	-Hatteberget	57° 51.8' N 11° 27.5' E	FI.(2)W.R.G. period 12s fl. 1.5s, ec. 2s fl. 1.5s, ec. 7s	85 26	W. 18 R. 15 G. 16	Black concrete tower, red banded; 85.	W. 8°-110°, R. -152°, G. UNINTENSIFIED-225°, W. UNINTENSIFIED- 260°, R. UNINTENSIFIED-346°, G. -8°. Helicopter Platform.
RACON			G(- - +) period 30s		15		(3 & 10 cm).
712 C 0493	-Skallen, on islet	57° 53.4' N 11° 33.5' E	Iso.W.R.G. period 4s	43 13	W. 14 R. 11 G. 10	White tower; 20.	G. 34°-55°12', W. -69°18', R. -85°48', G. -131°36', W. - 206°36', R. -235°, G. - 267°.
716 C 0494.8	-Grabberget	57° 52.7' N 11° 35.0' E	FI.(2)W.R.G. period 3s	26 8	W. 6 R. 4 G. 3	White tower, black base; 20.	G. 51°-52°30', W. -54°, R. - 67°, G. -99°, 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	FI.(3)W.R.G. period 9s	23 7	W. 10 R. 7 G. 6	Tower.	G. 53°-91°, R. -148°, G. - 160°30', W. -163°30', R. -171°30'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-WEST COAST							
724 C 0496	-Sodra Meholm	57° 55.3' N 11° 37.4' E	FI.(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. 73°-256°, R. -290°, G. -73°.
728 C 0498	-Norra Meholm	57° 55.5' N 11° 37.8' E	FI.W.R.G. period 3s	36 11	W. 5 R. 3 G. 2	White pedestal, lantern.	W. 267°-75°54', R. -261°42', G. -267°.
730 C 0499	-Nordholmarna	57° 54.6' N 11° 37.8' E	FI.(3)W.R.G. period 9s	16 5	W. 7 R. 5 G. 4	White building, green base; 10.	R. 55°12'-71°12', G. -111°12', W. -227°24', R. -242°, G. -256°18'.
731 C 0500	-Backebadan	57° 54.9' N 11° 37.5' E	FI.W.R.G. period 3s	23 7	W. 7 R. 5 G. 4	Red building, white roof.	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.	23 7	W. 6 R. 4 G. 3	White lantern.	G. 60°6'-82°30', W. -84°30', R. -200°48', G. -211°12', W. -215°12', R. -252°30'.
736 C 0502.2	-Wallhamn Roda Range, front	58° 00.7' N 11° 42.1' E	F.R.	89 27	10	Latticed 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	Latticed tower.	Range 3M by day.
744 C 0502.4	-Grona Range, front	58° 00.7' N 11° 42.2' E	F.G.	89 27	10	Latticed 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	Latticed tower.	Range 3M by day.
752 C 0502	-Mitholmarna	57° 58.0' N 11° 43.7' E	FI.(4)W.R.G. period 12s	23 7	W. 7 R. 5 G. 4	White lantern.	G. 27°6'-36°30', W. -40°30', R. -153°30', G. -209°6', W. -215°48', R. -219°30'.
754 C 0503	-Vinterholmen	58° 01.9' N 11° 46.9' E	FI.W.R.G. period 3s	36 11	W. 8 R. 5 G. 4	Metal tower, framework.	W. 9°-12°30', R. -189°, G. -196°30', W. -204°48', R. -335°, G. -9°.
756 C 0503.6	-Snoholmarna	58° 02.7' N 11° 47.8' E	FI.(2)W.R.G. period 6s	13 4	W. 6 R. 4 G. 3	White lantern.	G. 11°-17°18', W. -23°36', R. -76°30', G. -137°30', W. -143°54', R. -172°30', G. -200°, R. -240°.
760 C 0503.4	-Brattogrundet, 1.5 kilometers 316° from Snoholmarna	58° 03.2' N 11° 46.7' E	FI.W.R.G. period 3s	16 5	W. 6 R. 4 G. 3	White pedestal, gray base, lantern.	G. 40°-186°, W. -199°, R. -236°, G. -284°, W. -311°, R. -40°.
768 C 0504.2	-Havden Roda Range, front	58° 05.0' N 11° 48.3' E	F.R.	26 8	7	Yellow triangle, point up daymark black border stripe.	On request.
772 C 0504.21	--Rear, 80 meters 059° from front	58° 05.0' N 11° 48.4' E	F.R.	43 13	7	Yellow triangle, point down daymark black border stripe.	On request.
776 C 0504.3	-Havden Grona Range, front	58° 04.9' N 11° 48.3' E	F.G.	20 6	6	Yellow triangle, point up daymark black border stripe.	On request.
780 C 0504.31	--Rear, 52 meters 059° from front	58° 05.0' N 11° 48.4' E	F.G.	30 9	6	Yellow triangle, point down daymark black border stripe.	On request.
784 C 0504.36	-Stenung Range, front	58° 05.1' N 11° 48.6' E	F.G.	26 8	6	Post, white triangle, point up daymark black border stripe.	On request.
788 C 0504.37	--Rear, 112 meters 102°36' from front	58° 05.1' N 11° 48.7' E	F.G.	36 11	6	Post, white triangle, point down daymark black border stripe.	On request.
792 C 0504.4	-Hog Grona Range, front	58° 05.3' N 11° 49.2' E	F.G.	52 16	7	Yellow triangle, point up daymark.	Visible in line of range (vorlo) 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	7	Mast, yellow triangle, point down daymark.	Visible in line of range (vorlo) On request.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-WEST COAST							
800 C 0504.6	-Hog Roda Range, front	58° 05.3' N 11° 49.2' E	F.R.	43 13	7	Mast, yellow triangle, point up daymark.	Visible in line of range (vorlo) 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	7	Mast, yellow triangle, point down daymark.	Visible in line of range (vorlo) On request.
808 C 0506	-Galteron	58° 06.3' N 11° 48.2' E	FI.(2)W.R.G. period 6s	16 5	W. 9 R. 7 G. 6	White post.	G. 9°24'-13°30', W. -15°24', R. -28°54', W. UNINTENSIFIED- 177°48', G. -216°18', W. -223°, R. -234°24'. Flood light.
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 building, red roof, red base; 10.	G. 167°-192°, W. -40°, R. -57°. Flood light.
812 C 0510	-Svanesund, at Orust	58° 08.3' N 11° 50.0' E	FI.W.R.G. period 3s	16 5	W. 10 R. 7 G. 6	Red tower; 20.	G. 192°6'-202°12', W. -208°12', R. -224°42', W. UNINTENSIFIED- 305°54', G. -349°48', W. -7°24', R. -18°42'.
816 C 0508	-Sundholmen	58° 08.1' N 11° 50.2' E	FI.(2)W.R.G. period 6s	16 5	W. 5 R. 3 G. 2	White pedestal, lantern.	G. 270°-0°12', W. -187°36', R. -270°. Flood light.
819 C 0511.4	-Grota Holme	58° 09.5' N 11° 51.3' E	FI.(2)W.R.G. period 6s	20 6	W. 7 R. 5 G. 4	White pedestal, lantern.	G. 16°-35°, W. -47°30', R. -90°, G. -170°, W. -174°30', R. -179°, G. -193° Partially obscured 193°-016°.
820 C 0511	-Djurnasudde	58° 09.4' N 11° 50.9' E	Q.W.R.G.	16 5	W. 5 R. 3 G. 2	White pedestal, lantern.	W. 22°-331°, R. -2°, G. -22°.
824 C 0512	-Strandanas	58° 12.1' N 11° 50.8' E	FI.W.R.G. period 3s	13 4	W. 2 R. 4 G. 3	Red lantern.	G. 175°6'-177°48', W. -185°36', R. -241°42', W. UNINTENSIFIED- 310°18', G. -352°24', W. -355°48', R. -8°24'.
826 C 0419	Aspholmen	58° 15.0' N 11° 49.7' E	FI.(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. 6 R. 4 G. 3	White lantern, red concrete base.	G. 124°42'-148°42', W. -154°36', R. -170°, G. -187°6', W. -316°18', R. -331°36', G. -351°18'.
828 C 0418	Bjorningarna, S. island	58° 15.6' N 11° 49.6' E	FI.W.R.G. period 3s	13 4	W. 6 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 16	W. 6 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 6	4	White pedestal, lantern.	
840 C 0414	Stangen, on point	58° 19.0' N 11° 48.9' E	Q.W.	23 7	4	White glass reinforced plastic(grp) fiberglass structure.	Visible 13°48'-255°30'.
848.1 C 0414.5	-N. fairway limit	58° 19.5' N 11° 50.6' E	F.R.			Bridge.	Pylons and wires marked by F.R. lights.
848.2 C 0414.5	-S. fairway limit	58° 19.5' N 11° 50.7' E	F.G.			Bridge.	Top of each pylon marked by FI.R. lights.
852 C 0416	Uddevalla Range, front	58° 20.9' N 11° 55.2' E	Iso.R. period 4s	49 15	10	White post.	
856 C 0416.1	-Rear, 970 meters 060°18' from front	58° 21.2' N 11° 56.2' E	Q.R.	112 34	10	Post.	
860 C 0514	Ramholmen Range, front	57° 51.5' N 11° 33.3' E	Iso.W. period 4s	33 10	9	White pedestal, white square daymark.	Visible in line of range (vorlo)

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-WEST COAST							
864 C 0514.1	-Rear, 350 meters 312°30' from front	57° 51.6' N 11° 33.0' E	Q.W.	59 18	8	White pedestal, black square daymark.	Visible in line of range (vorlo)
868 C 0517	Stora Sillesund	57° 51.5' N 11° 33.1' E	Q.W.R.G.	26 8	W. 4 R. 3 G. 2	Black tower, white; 16.	G. 255°-303°48', W. -306°, R. -180°.
872 C 0521	Lonnbacken	57° 51.3' N 11° 33.2' E	FI.W.R.G. period 3s	39 12	W. 8 R. 6 G. 5	White tower, black banded, gray conical base; 39.	R. 94°-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	FI.(2)W.R.G. period 6s fl. 0.7s, ec. 1s fl. 0.7s, ec. 3.6s	23 7	W. 6 R. 4 G. 3	White lantern.	G. 312°12'-322°36', W. -331°42', R. -349°, Obscured -9°6', W. -165°42'.
884 C 0525	Salo	57° 48.9' N 11° 37.2' E	Q.W.R.G.	26 8	W. 5 R. 3 G. 3	White pedestal.	G. 294°30'-333°, W. -339°12', R. -25°24', G. -150°6', W. -153°12', R. -163° Lights are shown in Norome Elfe.
886 C 0525.5	Stora Kalven	57° 46.8' N 11° 43.5' E	FI.W.R.G. period 3s	23 7	W. 6 R. 4 G. 3	White post.	G. 235°-257°, W. -260°, R. -275°, G. -299°30', W. -303°, R. -350°, G. -12°, W. -14°30', R. -44°, G. -103°, W. -107°, R. -145° Shown Apr. 15 to Oct. 30. Seasonal.
888 C 0523	Stora Polsan	57° 46.5' N 11° 31.4' E	L.FI.W.R.G. period 8s fl. 2s, ec. 6s	59 18	W. 7 R. 5 G. 4	White tower, black banded; 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	F.R.	20 6	6	Post, white triangle, point up daymark.	Fishing light.
896 C 0526.1	-Rear, 60 meters 098° from front	57° 46.1' N 11° 36.8' E	F.R.	36 11	6	Post, white triangle, point down daymark.	Fishing light.
916 C 0528	Stora Oset, E. side of islet	57° 44.8' N 11° 36.6' E	FI.(3)W.R.G. period 9s fl. 0.7s, ec. 1s fl. 0.7s, ec. 1s fl. 0.7s, ec. 4.9s	39 12	W. 8 R. 5 G. 4	White lantern.	G. 345°-24°, W. -48°30', R. -62°, G. -89°, W. -120°30', R. -163°, W. UNINTENSIFIED-228°, G. UNINTENSIFIED-254°, W. UNINTENSIFIED-261°, R. UNINTENSIFIED-280°, W. UNINTENSIFIED345°-163° ~345°. Sectors intensified.
920 C 0530	Kallo Knipplan Range, front	57° 45.0' N 11° 39.2' E	F.G.	20 6		Column, white triangle, point up daymark.	Fishing light.
924 C 0530.1	-Rear, 120 meters 334° from front	57° 45.1' N 11° 39.2' E	F.G.	39 12		Column, white triangle, point down daymark.	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. 7 R. 5 G. 4	Red lantern.	G. UNINTENSIFIED31°-112°, W. -119°, R. -128° W. (intensified) on range line, W. 143°-202° Intensified on leading line only.
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 in line of range (vorlo)
936 C 0536	Hallso 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. -4°.
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°-64°, R. -101°.
944 C 0557	Dannekroken Range, front	57° 41.1' N 11° 40.4' E	Q.R.	26 8	8	Mast, white triangle, point up daymark; 23.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-WEST COAST							
948 C 0557.1	-Rear, 300 meters 172° from front	57° 41.0' N 11° 40.4' E	Iso.R. period 4s	43 13	8	Mast, white triangle, point down daymark; 23.	
958 C 0556.5	Juthuvudets grund	57° 42.2' N 11° 41.4' E	Fl.G. period 3s	20 6	2	Black latticed 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, white square daymark.	Visible in line of range (vorlo)
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.	R. 61°24' -79°30' W. visible on range line only., G. - 105°24', R. -114°36' Shown Apr. 14 to Oct. 30. Synchronized with front. Seasonal.
968 C 0556	Stora Varholmen	57° 41.7' N 11° 42.0' E	L.FI.(2)W.R.G. period 12s fl. 2s, ec. 2s fl. 2s, ec. 6s	49 15	W. 13 R. 10 G. 9	Red lantern.	G. 320°30' -327°6', W. - 332°30', R. -351°42', G. - 5°42', W. -7°48', R. - 36°24', W. UNINTENSIFIED- 169°36'.
972 C 0558	Tangudden	57° 41.6' N 11° 40.1' E	Iso.W.R.G. period 3s	16 5	W. 7 R. 5 G. 4	White lantern.	G. 191°-306°, W. -309°30', R. -326°.
973 C 0558.7	Ockero, breakwater, head	57° 42.3' N 11° 39.7' E	Iso.W. period 7s		3		
974 C 0559	Ockero Range, front	57° 42.4' N 11° 39.5' E	F.R.	20 6	2	Post, white triangle, point up daymark.	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 triangle, point down daymark.	Fishing light.
980	Mavholmsbadan, RACON	57° 40.3' N 11° 42.5' E	M(- -)		3		(3 & 10 cm).
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. 38°48' -62°, 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, black base, lantern.	R. 333°-36°, 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	13 4	W. 10 R. 8 G. 6	White lantern.	G. 277°30' -281°30', W. - 285°, R. -17°, G. -40°, W. -43°30', R. -56°30', G. - 90°, 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. 50°-94°, R. -179°, G. -50°.
1016	Vinga Western Approach Buoy	57° 38.9' N 11° 33.6' E	L.FI.W. period 10s			SAFE WATER White column, topmark, red vertical stripes.	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	Grey masonry tower; 95.	Unintensified on westerly bearings. Traffic signals.
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GOTEBORG APPROACH:

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-KATTEGAT							
1024 C 0569	-Trubaduren	57° 35.7' N 11° 38.0' E	L.FI.(3)W.R.G. period 30s fl. 3s, ec. 3.5s fl. 3s, ec. 3.5s fl. 3s, ec. 14s	79 24	W. 14 R. 10 G. 7	Black tower, orange top, gray base; 82.	W. 5°30'-131°36', R. -163°30', G. -214°24', W. -237°12', R. -247°48', G. -5°30'. Helicopter Platform.
			Iso.R. period 4s	59 18	9		Visible 64°-131°.
	RACON		T(-)		14		(3 & 10 cm).
1036 C 0620	-Svarta Baden	57° 37.1' N 11° 45.5' E	FI.W.R.G. period 6s fl. 0.7s, ec. 5.3s	20 6	W. 5 R. 3 G. 3	White pedestal.	G. 190°-237°6', W. -243°12', R. -315°54', G. -46°24', W. -50°30', R. -90° 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. 8 G. 6	White lantern, white conical base; 30.	G. 250°-292°36', W. -296°12', R. -307°, R. UNINTENSIFIED-15°, G. UNINTENSIFIED-94°, G. -105°6', W. -117°54', R. -126°30', R. UNINTENSIFIED-132°.
1042 C 0564.5	-Kottstycket	57° 38.4' N 11° 36.8' E	FI.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	30 9	4	White concrete tower, red banded; 20.	Radar reflector.
1044 C 0564	-Vinga Ungar, 732 meters NW. of Vinga	57° 38.2' N 11° 35.5' E	FI.(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. -0°, G. -99°, R. -198°30'.
1048 C 0566	-E. Range, front	57° 38.0' N 11° 36.7' E	Q.R.	30 9	10	White tower; 33.	R. 176°-276°.
1052 C 0566.1	--Rear, 390 meters 253°54' from front	57° 37.9' N 11° 36.4' E	Iso.R. period 2s	62 19	10	Red building, white band on side facing alignment, black gable.	Visible 186°-286°. 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 building, red roof, white lantern.	G. 275°-281°, R. -295°, W. UNINTENSIFIED-24°30', G. UNINTENSIFIED-96°, G. -104°, W. -107°, R. -115°30', R. UNINTENSIFIED-136°30'.
1058 C 0618	-Svensholmen E	57° 37.8' N 11° 46.2' E	FI.W. period 5s	10 3	2		
1064 C 0570	-Buskars Knot	57° 38.3' N 11° 41.0' E	FI.(3)W.R.G. period 9s	39 12	W. 7 R. 5 G. 4	Orange tower; 39.	W. 13°12'-26°42', R. -88°, G. -182°, W. -192°54', R. -350°36', G. -13°12'. Flood light.
	RACON		K(- - -) period 30s		5		(3 & 10 cm).
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	30 9	W. 10 R. 7 G. 6	White lantern.	G. 227°-233°6', W. -239°6', 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.FI.W. period 10s			White structure, green banded.	
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°-90°24', R. -97°.
	RACON		B(- . . .) period 20s		4		(3 & 10 cm).
1088 C 0573	-Gaveskar	57° 39.7' N 11° 46.1' E	Q.R.	33 10	4	White tower, red banded; 33.	Visible 202°12'-146°. Flood light.
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 triangle, point up daymark.	Marks limit between 11 and 9 meter depths.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-KATTEGAT							
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 triangle, point down daymark.	
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.	Occasional Shown from May 1 to Oct. 31..
1144 C 0589	-Billigen	57° 41.2' N 11° 52.9' E	Fl.(2)W. period 6s	16 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	16 5	6	Dolphin.	The opening of Marieholms Swing Bridge is marked by lights and Traffic Signals are shown. 2 FL Y on Dolphins close NE (T) 2016. Shown from Jul. 6 to Jun. 6.
1152 C 0624	-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°-43°, W. -143°30', R. -201°30', G. -261°30', W. -266°, R. -345°.
1156 C 0623	-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'-85°36', W. - 89°12', R. -102°42'.
1160 C 0625	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 building, castellated.	R. 104°6'-350°42', W. - 104°6' TE 2016.
1164 C 0626	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. -3°, W. -16°, R. - 45° Fishing light.
1166 C 0659	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 column, lantern; 7.	G. 85°-93°, W. -98°, R. -118°.
1168 C 0658	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	39 12	W. 9 R. 7 G. 6	White tower, black banded; 26.	G. 8°-65°, W. -113°30', R. - 200°, G. -339°, W. -342°, R. -8°.
1172 C 0660	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. -0°, R. -17° (T) Retired.
GOTEBORG APPROACH:							
1176 C 0628	-Valo	57° 33.0' N 11° 48.1' E	L.FI.W.R.G. period 8s fl. 2s, ec. 6s	49 15	W. 9 R. 7 G. 6	White tower, green banded; 33.	R. UNINTENSIFIED170°- 174°, R. -178°30', G. - 270°, W. -271°30', R. - 291°30', G. -344°, W. - 345°30', R. -354°30', G. - 1°30', W. -6°, R. -33°, G. - 39°.
1180 C 0630	-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. - 34°.
1184 C 0632	-Donsohuvud	57° 35.7' N 11° 49.0' E	Fl.W.R.G. period 3s	16 5	W. 6 R. 5 G. 5	White lantern.	G. 185°-191°18', W. - 194°48', R. -315°, G. - 22°, W. -25°, R. -45°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-KATTEGAT							
1188 C 0636	-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.	G. 0°-4°30', W. -5°30', R. -32°30', W. UNINTENSIFIED-142°30', G. -164°, W. -166°30', R. -173°. Flood light.
1196 C 0634	-Lilla Sjoholmen	57° 37.1' N 11° 51.0' E	Fl.W. period 6s	20 6		4 White pedestal.	Fishing light.
1200 C 0644	-Langholmen (Ganle bukten)	57° 37.7' N 11° 52.4' E	Fl.R. period 3s	7 2		1 Dolphin.	Fishing light. Shown Oct. 1 to Mar. 31..
1208 C 0652	-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 building.	G. 169°30'-172°12', W. -177°36', R. -199°6', W. -326°24', G. -340°, W. -345°24', R. -351°54'.
1212 C 0650	-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°6', W. -97°, R. -175°, G. -217°, W. -220°30', R. -312°54'.
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. 0°48'-35°54', W. -42°24', R. -107°30', G. -204°, W. -206°, R. -262°48', G. -311°36', W. -319°6', R. -0°48'.
1228 C 0670	Nidingen	57° 18.1' N 11° 54.0' E	Fl.(2+1)W.R. period 27s	82 25	W. 22 R. 18	White tower, black banded; 75.	R. 18°-39', W. -18° 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 banded, gray conical base, white lantern; 69.	G. 235°-333°, W. -3°, R. -125°, G. -159°30', W. -161°, R. -235° Light shown 24 hours from Nov. 1 to Mar. 31. Flood light.
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	33 10	W. 8 R. 6 G. 5	White concrete tower; 30.	G. 316°-341°, W. -19°, R. -30°, G. -59°30', W. -91°, 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. -8°30', R. -29°, G. -95°, 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. -2°30', W. -29°, R. -38°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. -1°, R. -90°, W. -270° Shown May 1 to Nov. 30. Seasonal.
1260 C 0683.4	Sallebecke Range, front	57° 16.9' N 12° 08.4' E	F.R.	20 6		3 Mast, white triangle, point up daymark.	Fishing light.
1264 C 0683.5	-Rear, 80 meters 145° from front	57° 16.8' N 12° 08.4' E	F.R.	30 9		3 Mast, white triangle, point down daymark.	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. 38°36'-79°, W. -90°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 Column, red triangle, point up daymark white border stripe.	
1276 C 0682.61	-Rear, 175 meters 056°18' from front	57° 15.2' N 12° 07.5' E	Iso.G. period 3s	20 6		5 Column, red triangle, point down daymark white border stripe.	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 triangle, point up daymark white border stripe.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-KATTEGAT							
1284 C 0682.71	--Rear, 175 meters 056°18' from front	57° 15.2' N 12° 07.4' E	Iso.R. period 3s	20 6	5	Red triangle, point down daymark white border stripe.	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 (rhombus) daymark white border stripe.	
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 (rhombus) daymark white border stripe.	Marks center of channel.
1288 C 0683	Buahamn Range, front	57° 14.4' N 12° 06.9' E	F.R.	20 6	5	Mast, white triangle, point up daymark orange border stripe.	Fishing light.
1292 C 0683.1	-Rear, 100 meters 127° from front	57° 14.4' N 12° 07.0' E	F.R.	33 10	5	Mast, white triangle, point down daymark orange border stripe.	Fishing light.
1294 C 0683.2	-Olai Rose Roda Range front	57° 14.8' N 12° 06.0' E	F.G.	33 10	2	Mast, white triangle, point up daymark orange border stripe.	
1295 C 0683.21	--Rear, 82 meters 307° from front	57° 14.8' N 12° 05.9' E	F.G.	43 13	2	Mast, white triangle, point down daymark orange border stripe.	
1296 C 0671	Fladen	57° 12.9' N 11° 49.7' E	L.FI.W. period 8s fl. 2s, ec. 6s	79 24	9	Black tower, red top, gray base; 85.	Flood light.
			FI.Y. period 3s				Security light.
	RACON		N(- ·)		15		(3 & 10 cm).
1300 C 0684	Klaback	57° 09.1' N 12° 06.5' E	FI.(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 triangle, point up daymark.	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 triangle, point down daymark.	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 triangle, point up daymark.	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 triangle, point down daymark.	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 triangle, point up daymark.	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 triangle, point down daymark.	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 triangle, point up daymark.	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 triangle, point down daymark.	Marks S. edge of inner channel. Synchronized with front.
1340 C 0704	-Subberget	57° 05.3' N 12° 14.2' E	L.FI.(2)W.R.G. period 30s fl. 5s, ec. 5s fl. 5s, ec. 15s	85 26	W. 17 R. 7 G. 6	White cylindrical concrete tower; 46.	G. 342°-16°36', W. -106°42', R. -157°6', W. UNINTENSIFIED-205°.
1344 C 0706	Traslov	57° 03.4' N 12° 16.1' E	FI.(3)W.R.G. period 9s fl. 0.7s, ec. 1.2s fl. 0.7s, ec. 1.2s fl. 0.7s, ec. 4.5s	30 9	W. 9 R. 7 G. 6	White pedestal, lantern.	G. 351°-58°, W. -91°30', R. -119°. Flood light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-KATTEGAT							
1348 C 0708	Galtaback Range, front	57° 01.5' N 12° 18.6' E	FI.W. period 4s	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	FI.W. period 4s	43 13	7	Post, white triangle, point down daymark.	Visible on range line only. Shown when required.
1356 C 0714	Glommen	56° 55.7' N 12° 20.9' E	FI.W.R.G. period 3s fl. 0.6s, ec. 2.4s	30 9	W. 6 R. 4 G. 3	White pedestal, lantern.	G. 296°-21°, W. -28°, R. -36°, G. -56°30', W. -75°, 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	95 29	W. 18 R. 15 G. 13	White cylindrical masonry tower, black banded; 92.	G. 300°-326°, W. -148°42', R. -180° Shown by day, Nov. 1 to Mar. 31.
	RACON		M(- -)		17		(3 & 10 cm).
	FALKENBERGS HAMN:						
1368 C 0722	--W. breakwater, head	56° 52.9' N 12° 28.0' E	FI.(2)W.R.G. period 6s fl. 2s, ec. 0s fl. 2s, ec. 4s	36 11	W. 11 R. 9 G. 8	White tower, red banded.	W. UNINTENSIFIED 197°42' -256°54', R. -352°6', G. - 16°48', W. -33°54', R. - 105°12'. Flood light.
1372 C 0724	--Range, front, E. side	56° 53.4' N 12° 28.5' E	Iso.W. period 3s	39 12	9	Mast, red triangle, point up daymark.	Marks E. 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	9	Mast, red triangle, point down daymark.	Synchronized with front..
1380 C 0726	--Range, front, W. side	56° 53.4' N 12° 28.5' E	Iso.W. period 3s	39 12	9	Mast, red triangle, point up daymark.	Marks W. 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	9	Mast, red triangle, point down daymark.	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	8	Mast, red triangle, point up daymark.	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	8	Mast, red triangle, point down daymark.	
1401 C 0734	Skalkroken Roda Range, front	56° 44.0' N 12° 38.6' E	F.R.	13 4	4	Post, white triangle, point up daymark red border stripe.	
1401.1 C 0734.1	--Rear, 200 meters 044° from front	56° 44.0' N 12° 38.7' E	F.R.	26 8	4	Post, white triangle, point down daymark red border stripe.	
1403 C 0734.2	Skalkroken Grona Range, front	56° 43.7' N 12° 38.7' E	F.G.	10 3	2	Post, white triangle, point up daymark red border stripe.	
1403.1 C 0734.21	--Rear, 40 meters 110° from front	56° 43.7' N 12° 38.8' E	F.G.	16 5	2	Post, white triangle, point down daymark red border stripe.	
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	72 22	W. 9 R. 7 G. 6	Red tower, grey base, white lantern; 75.	R. 141°-274°, G. -294°, W. - 141° Shown by day, Nov. 1 to Mar. 31. Flood light.
			FI.W. period 3s	33 10	2		
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. -19°, G. - 43°, W. -77°, R. -135°.
	HALMSTAD HAMN:						
1412	--Entrance Buoy	56° 37.0' N 12° 48.0' E	L.FI.W. period 10s	13 4	5	Na, red and white buoy.	Radar reflector.
1416 C 0738	--Halmstad, breakwater	56° 38.9' N 12° 50.2' E	FI.(2)W.R.G. period 6s	46 14	W. 13 R. 10 G. 9	White latticed tower, red banded; 33.	R. 269°48'-309°36', G. - 16°36', W. -53°6', R. - 91°48', W. -269°48'. Flood light.
1420 C 0746	--Oil Harbor Range, front	56° 39.3' N 12° 51.6' E	F.G.	26 8	6	Post, orange triangle, point up daymark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-KATTEGAT							
1424 C 0746.1	--Rear, about 400 meters 073° from front	56° 39.4' N 12° 52.0' E	F.G.	36 11	6	Post, orange triangle, point down daymark.	
1428 C 0739	-Western Range, front	56° 39.6' N 12° 50.9' E	Iso.R. period 2s	26 8	13	Post, white triangle, point up daymark.	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	13	Post, white triangle, point down daymark.	Visible on range line only. Marks W. edge of channel. Synchronized with front.
1436 C 0740	-E. Range, front	56° 39.5' N 12° 50.9' E	Iso.G. period 2s	7 2	13	Post, white triangle, point up daymark.	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 triangle, point down daymark.	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 (rhombus) daymark.	Visible in line of range (vorlo)
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 (rhombus) daymark.	Visible in line of range (vorlo)
1452 C 2242	Hallands Vadero	56° 27.0' N 12° 32.5' E	Mo.(A)W. period 10s	69 21	12	White cylindrical metal tower; 43.	Visible 335°-285°.
1456 C 2246	Vingaskar	56° 25.4' N 12° 35.5' E	Fl.(2)W.R.G. period 9s	33 10	W. 6 R. 4 G. 3	White lantern.	G. 164°-195°, W. -218°24', R. -285°30', G. -348°18', W. -46°30', R. -60°54'.
TOREKOV:							
1460 C 2252	-Telephone cable range, front	56° 25.5' N 12° 37.3' E	F.G.	49 15	4	Beacon, cable.	Visible in line of range (vorlo) Marks cable to Vingaskar.
1464 C 2252.1	--Rear, 700 meters 088° from front	56° 25.5' N 12° 38.0' E	F.G.	82 25	4	Beacon, cable.	Visible in line of range (vorlo)
1468 C 2248	-On rock in harbor, front	56° 25.7' N 12° 37.9' E	F.R.	26 8	6	Mast, white triangle, point up daymark.	Visible in line of range (vorlo)
1472 C 2248.1	--Rear, 40 meters 124°30' from front	56° 25.7' N 12° 37.9' E	F.R.	33 10	6	Mast, white triangle, point down daymark.	Visible in line of range (vorlo)
1476 C 2254	Ramsjo Hamn Roda Range front	56° 23.1' N 12° 39.8' E	F.R.	16 5	2	Post, white triangle, point up daymark.	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 triangle, point down daymark.	Fishing light.
1484 C 2254.4	-Grona Range, front	56° 23.1' N 12° 39.7' E	F.G.	16 5	2	Post, white triangle, point up daymark.	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 triangle, point down daymark.	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.	Flood light.
1496 C 2258.6	-S. jetty	56° 16.3' N 12° 49.9' E	Fl.(2)G. period 6s	10 3	4	Post.	Flood light.
1500 C 2258	Angelholm Range, front	56° 16.3' N 12° 50.5' E	F.G.	26 8	7	Post.	Visible in line of range (vorlo)
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 in line of range (vorlo)
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 latticed tower.	R. 129°-154°, G. -225°, W. - 270°, R. -300° Fishing light. Shown Jul. 15 to May 15. Seasonal.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-KATTEGAT							
1512 C 2259.5	Arildslage, pierhead, fishing harbor	56° 16.5' N 12° 34.5' E	Iso.W.R.G. period 4s	20 6	W. 9 R. 6 G. 5	White post.	G. 120°-232°, W. -250°, R. -290° Fishing light. Occasional.
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. 53°-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	Grey can tower; 151.	
	RACON		G(- - +)				(3 & 10 cm).
	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	Fl.G. period 5s	16 5	4	Green metal post; 7.	Flood light.
1544 C 0004	--NE. head	57° 43.3' N 10° 36.4' E	F.W.	20 6	6	Grey mast; 7.	
1548 C 0006	-Forhavn, SW. mole, head	57° 43.0' N 10° 35.6' E	F.R.	16 5	2	Grey post; 7.	
1552 C 0006.4	--NE. mole, head	57° 43.0' N 10° 35.6' E	F.G.	16 5	2	Grey mast; 7.	
1556 C 0009	-Inner W. mole, head	57° 43.1' N 10° 35.6' E	F.R.	20 6		Post.	
1560 C 0010	-Inner E. mole, head	57° 43.1' N 10° 35.6' E	F.G.	20 6		Post.	
1564	-Osthavn, SE. mole	57° 43.0' N 10° 36.0' E	F.G.	13 4	4	Grey pipe mast.	
1568	--NW. mole	57° 43.0' N 10° 35.8' E	F.R.	13 4	4	Grey pipe mast.	
	AALBAEK HAVN:						
1572 C 0017	-S. mole, head	57° 35.5' N 10° 25.7' E	F.R.	20 6	2	Mast; 13.	
1576 C 0016	-N. mole, head	57° 35.5' N 10° 25.7' E	F.G.	20 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	Round masonry tower; 89.	
			F.W.R.				W. 7°36'-13°30', R. -16°24'.
1588 C 0024	-Havn, S. mole, head	57° 29.0' N 10° 37.2' E	Iso.W.R.G. period 2s	16 5	W. 5 R. 4 G. 4	White octagonal building, green banded; 7.	W. 78°36'-90°30', R. -180°, G. -78°36' Solar panels cover S. side of structure.
1592 C 0027	Strandby Havn, inner S. mole	57° 29.7' N 10° 30.6' E	F.R.	23 7	4	Red metal tower; 16.	
1593 C 0027.3	-Mole, head	57° 29.6' N 10° 30.6' E	Fl.R. period 5s fl. 1s, ec. 4s	33 10	5	Red metal tower; 26.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-KATTEGAT							
1596 C 0026	-Inner N. mole	57° 29.6' N 10° 30.5' E	F.G.	23 7	4	Green metal tower; 16.	
1597 C 0026.3	-Mole, head	57° 29.7' N 10° 30.4' E	FI.G. period 5s fl. 1s, ec. 4s	33 10	5	Green metal tower; 26.	Siren: 1bl. ev. 60s (bl. 15s, si. 45s)
1598 C 0025	--Strandby Harbor Range, front	57° 29.6' N 10° 30.4' E	Iso.W. period 2s	26 8	6	Grey latticed tower, green triangle, point up daymark; 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	Grey latticed tower, green triangle, point down daymark; 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 & 10 cm).
1608 C 0028	-NE. breakwater, head	57° 26.0' N 10° 33.2' E	FI.G. period 3s	23 7	4	Metal post, green banded.	Shown 24 hours.
1610 C 0029	-S. outer mole, head	57° 25.9' N 10° 33.1' E	FI.R. period 3s	23 7	4	Metal post, red banded.	Synchronized with 1608.
1612 C 0031	-S. inner mole, head	57° 26.1' N 10° 32.8' E	F.R.	20 6	1	Red latticed 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 latticed mast; 7.	Shown 24 hours.
1628 C 0032	-Fladehavn, E. mole, head	57° 26.0' N 10° 32.8' E	FI.R. period 5s fl. 1s, ec. 4s	13 4	4	Red tower; 7.	Visible 6°-280°.
1630 C 0027.6	-Ronnerhavn	57° 28.0' N 10° 32.5' E	FI.G. period 3s fl. 0.8s, ec. 2.2s	13 4	4	Grey mast.	
1632 C 0033	--W. mole, head	57° 26.0' N 10° 32.8' E	FI.G. period 5s fl. 1s, ec. 4s	13 4	4	Green tower; 7.	Visible 129°-69°.
SAEBY HAVN:							
1636 C 0034	-N. outer mole, head	57° 20.0' N 10° 32.2' E	FI.G. period 3s fl. 0.8s, ec. 2.2s	20 6	5	Green mast; 13.	
1640 C 0036	-S. outer mole, head	57° 20.0' N 10° 32.2' E	FI.R. period 3s fl. 0.8s, ec. 2.2s	20 6	5	Red latticed 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 & 10 cm).
LAESO:							
1648 C 0044	-Nordre Ronner, on Spirholm	57° 21.6' N 10° 55.4' E	FI.W. period 15s fl. 0.3s, ec. 14.7s	52 16	14	Cylindrical hard surface tower, granite; 59.	
1652 C 0057	-Syrodde	57° 18.8' N 11° 11.8' E	FI.W. period 3s fl. 0.8s, ec. 2.2s	39 12	13	Grey latticed tower; 30.	
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	26 8	W. 8 R. 5 G. 5	White post; 16.	W. 127°-191°, R. -90°, G. -127°. Flood light.
1660 C 0055	--Outer mole, E. head	57° 19.4' N 11° 07.6' E	FI.G. period 3s				

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-KATTEGAT							
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	Grey 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 latticed tower, red triangle, point up daymark; 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	Latticed tower, red triangle, point down daymark; 23.	
1696 C 0061	-Laeso Rende	57° 13.1' N 10° 40.3' E	Fl.(2)W. period 10s	89 27	6	White round tower, black base; 85.	
	RACON		Q(- - -)				Visible 154°-56°.(3 & 10 cm).
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 stripe; 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	Red tower, white banded.	G. 305°-313°, W. -319°, R. - 323°, W. -305°. Flood light.
	RACON		B(- . . .)				(3 & 10 cm).
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	43 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	43 13	5	Red tower; 43.	
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	16 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	16 5	9	Red octagonal concrete tower; 20.	Visible 290°18'-298°18'.
1766 C 0073	--Egensekloster, common rear	56° 58.8' N 10° 18.1' E	Iso.W. period 2s	66 20	15	Red latticed tower, red triangle, point down daymark; 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 building, red banded; 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	Grey 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 banded.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-KATTEGAT							
1780 C 0084	-Egenseløster Skov Range, front	56° 58.7' N 10° 14.6' E	Iso.R. period 2s	43 13	6	Red latticed tower, red triangle, point up daymark white stripe; 49.	Visible 76°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 latticed mast, red triangle, point down daymark white stripe; 52.	Visible 76°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 latticed tower, red triangle, point up daymark 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 latticed tower, red triangle, point down daymark 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 latticed tower, red triangle, point down daymark 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	43 13	8	Red latticed tower, red triangle, point up daymark 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	Latticed tower, red triangle, point down daymark 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	43 13	9	Red latticed tower, red triangle, point up daymark 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 latticed tower, red triangle, point up daymark white stripe.	Visible 66°30'-86°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 latticed tower, red triangle, point down daymark white stripe.	Visible 66°30'-86°30' Shown 24 hours.
LIMFJORDEN:							
1828 C 0098	-Bredhage Range, front	57° 03.8' N 10° 02.1' E	Iso.W. period 2s	43 13	8	Red latticed tower, red triangle, point up daymark white stripe.	Visible 296°42'-308°42' Shown 24 hours.
1832 C 0098.1	--Rear, 536 meters 303° from front	57° 03.9' N 10° 01.6' E	Iso.W. period 4s	75 23	8	Red latticed tower, red triangle, point down daymark white stripe.	Visible 298°42'-306°42' Shown 24 hours.
1836 C 0101	--E. Range and ESE. Range, common front	57° 05.2' N 10° 01.1' E	Iso.W. period 2s	36 11	12		Visible 307°12'-347°12' Shown 24 hours.
			Iso.W. period 2s	33 10	8		Visible 44°-124°.
1840 C 0100.9	--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 latticed tower, red triangle, point down daymark white stripe; 66.	Visible 307°12'-347°12' Shown 24 hours.
1841 C 0101.1	--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 latticed tower, red triangle, point down daymark white stripe; 49.	Visible 44°-124° Shown 24 hours.
1844 C 0102	--S. Range, front	57° 05.3' N 9° 59.9' E	Iso.R. period 2s	43 13	6	Red latticed tower, red triangle, point up daymark white stripe.	Visible 260°24'-340°24' Shown 24 hours.
1848 C 0102.1	--Rear, 427 meters 301° from front	57° 05.5' N 9° 59.5' E	Iso.R. period 4s	59 18	6	Red latticed tower, red triangle, point down daymark white stripe.	Visible 260°24'-340°24' Shown 24 hours.
1860 C 0106	--SE. Range, front	57° 05.4' N 9° 60.0' E	Iso.R. period 2s	43 13	5	Red latticed tower, red triangle, point up daymark white stripe; 33.	Visible 4°30'-85°30' Shown 24 hours.
1864 C 0106.1	--Rear, 305 meters 044°30' from front	57° 05.5' N 10° 00.2' E	Iso.R. period 4s	59 18	5	Red latticed tower, red triangle, point down daymark white stripe; 49.	Visible 4°30'-85°30' Shown 24 hours.
1868 C 0110	-Skongaard Range, front	57° 05.2' N 9° 59.1' E	Iso.W. period 2s	43 13	8	Red latticed tower, red triangle, point up daymark white stripe.	Visible 3°48'-43°48' Shown 24 hours.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-KATTEGAT							
1872 C 0110.1	--Rear, 414 meters 024° from front -Aalborg Havn:	57° 05.4' N 9° 59.3' E	Iso.W. period 4s	59 18	8	Red latticed tower, red triangle, point down daymark white stripe.	Visible 3°48'-43°48'.
1884 C 0121.6	--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 C 0121.7	--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 C 0124	Oster-Hurup, E. mole, head	56° 48.3' N 10° 17.1' E	F.G.	23 7	5	White mast; 16.	Siren: 1bl. ev. 60s (bl. 10s, si. 50s)
1908 C 0125	--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:							
1912 C 0126	--Range, front	56° 42.7' N 10° 20.8' E	Iso.W. period 2s	23 7	9	Grey latticed tower, red triangle, point up daymark.	Visible 256°54'-266°54'.
1916 C 0126.1	---Rear, 1511 meters 261°54' from front	56° 42.5' N 10° 19.3' E	Iso.W. period 4s	79 24	10	Latticed tower, red triangle, point down daymark.	Visible 256°54'-266°54'.
1920 C 0127	--Second Range, front	56° 42.1' N 10° 19.6' E	Iso.G. period 2s	16 5	4	Latticed tower, red triangle, point up daymark.	Visible 228°48'-243°48'.
			Iso.W. period 2s	20 6	2		
1924 C 0127.1	---Rear, 232 meters 236°18' from front	56° 42.1' N 10° 19.4' E	Iso.G. period 4s	30 9	4	Latticed tower, red triangle, point down daymark; 33.	Visible 228°48'-243°48'.
1928 C 0128	--Range, front	56° 42.1' N 10° 19.3' E	Iso.R. period 2s	20 6	4	Latticed tower, red triangle, point up daymark; 20.	Visible 228°48'-258°48'.
1932 C 0128.1	---Rear, 181 meters 243°48' from front	56° 42.1' N 10° 19.1' E	Iso.R. period 4s	33 10	4	Latticed tower, red triangle, point down daymark; 33.	Visible 228°48'-258°48'.
RANDERS FJORD:							
1936 C 0176	-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 banded; 16.	G. 194°-228°, W. -232°, R. - 254°, G. -276°, W. -279°, R. -289°.
1940 C 0178	-Barren, Entrance Range, front	56° 36.1' N 10° 20.4' E	Iso.W. period 2s	13 4	14	Red post, red triangle, point up daymark; 20.	Visible 250°36'-255°36'.
1944 C 0178.1	--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 triangle, point down daymark; 39.	Visible 250°36'-255°36'.
1948 C 0182	-Kirkegrund W. Range, front	56° 36.4' N 10° 18.6' E	Iso.R. period 2s	13 4	5	Red post, red triangle, point up daymark; 13.	Visible 269°30'-292°30'.
1952 C 0182.1	--Rear, 875 meters 281° from front	56° 36.5' N 10° 17.7' E	Iso.R. period 4s	30 9	7	Red post, red triangle, point down daymark; 26.	Visible 278°-284°.
1956 C 0184	-Kirkegrund E. Range, front	56° 36.1' N 10° 21.2' E	Iso.R. period 2s	13 4	11	Latticed mast, red triangle, point up daymark; 13.	Visible 98°30'-103°30'.
1960 C 0184.1	--Rear, 350 meters 101° from front	56° 36.1' N 10° 21.6' E	Iso.R. period 4s	26 8	11	Latticed mast, red triangle, point down daymark; 23.	Visible 98°30'-103°30'.
1964 C 0186	-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	20 6	5	Red column, concrete base; 10.	
1968 C 0188	-Mellempolde	56° 36.4' N 10° 19.2' E	Fl.(2)G. period 5s fl. 0.8s, ec. 0.8s fl. 0.8s, ec. 2.6s	13 4	3	Green post, dolphin; 7.	

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DENMARK-KATTEGAT AND BELTS							
1972 C 0190	-Udbyhøi Fishing Harbor	56° 36.6' N 10° 18.2' E	Oc.(2)W.R.G. period 6s fl. 3s, ec. 1s lt. 1s, ec. 1s	13 4	W. 3 R. 2 G. 2	Green post; 7.	G. 281°-296°, W. -297°, R. -337°, G. -40°, W. -42°, R. -57°.
1976 C 0164	Anholt, near E. point of island	56° 44.2' N 11° 39.0' E	FI.W. period 15s fl. 0.3s, ec. 14.7s	131 40	14	White cylindrical tower, red top; 138.	Visible 76°-53°.
1980 C 0166	-Outer N. mole, head	56° 42.9' N 11° 30.5' E	FI.R. period 3s	26 8	5	Post.	
1984 C 0168	-Outer S. mole, head	56° 42.9' N 11° 30.6' E	FI.G. period 3s	26 8	5	Green post.	
1988 C 0172	-Inner S. mole, head	56° 43.0' N 11° 30.6' E	F.G.	20 6		White post.	Visible 354°-302°.
1992 C 0170	-Inner N. mole, head	56° 43.0' N 11° 30.7' E	F.R.	20 6		White post.	Visible 254°-99°.
1996	Anholt Buoy 6	56° 45.4' N 11° 53.0' E	Iso.W. period 8s			Safe water rw, pillar, topmark.	
	RACON		T(-)				(3 & 10 cm).
	BONNERUP:						
2000 C 0195	-Outer E. mole, head	56° 32.2' N 10° 42.8' E	F.R.	16 5	5	Pyramid structure; 13.	Flood light.
2004 C 0195.2	-Outer W. mole, head	56° 32.2' N 10° 42.8' E	F.G.	16 5	5	Pyramid structure; 13.	Flood light.
2008 C 0200	Gerrild, Knudshoved	56° 31.7' N 10° 49.8' E	Iso.W.G. period 4s	89 27	W. 14 G. 11	White tower; 36.	G. 111°42'-128°6', W. -301°48'.
2012 C 0204	Fornaes	56° 26.6' N 10° 57.4' E	FI.W. period 20s	105 32	21	Cylindrical masonry tower; 89.	Obscured from N by Gjerrild Klint and from S by Havkude.
	GRENAO HAVN:						
2020 C 0209	-N. mole, head	56° 24.5' N 10° 55.5' E	Iso.W.R.G. period 4s	66 20	W. 15 R. 12 G. 12	Grey latticed tower; 59.	G. 212°30'-216°, W. -219°, R. -222°30' Range 2/1M by day. Shown 24 hours.
2024 C 0210	-Cross mole, head	56° 24.8' N 10° 55.6' E	FI.G. period 5s	13 4		Grey mast.	Visible 270°-180°.
2028 C 0212	-Middle mole, head	56° 24.6' N 10° 55.7' E	F.G.	16 5		Post.	Visible 129°-69°.
2032 C 0214	-S. mole, head	56° 24.6' N 10° 55.6' E	F.R.	16 5	3	Grey post; 10.	
2034 C 0214.4	-Lystbadehavn, N. breakwater, head	56° 24.2' N 10° 55.5' E	FI.G. period 3s fl. 0.8s, ec. 2.2s	16 5	4	White structure, green top; 10.	Visible 28°-298° Shown 24 hours. Flood light.
2034.1 C 0214.6	--S. breakwater, head	56° 24.2' N 10° 55.6' E	FI.R. period 3s fl. 0.8s, ec. 2.2s	16 5	4	White structure, red top; 10.	Flood light Shown 24 hours.
2036 C 1478	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 banded, black pedestal.	G. 25°-36°, W. -39°, R. -62°, G. -74°, W. -77°, R. -105°, G. -118°, R. -141°, G. -205°, W. -212°, R. -235°, G. -256°, W. -283°, R. -317°, G. -350°, R. -25°.
	RACON		N(- •)				Visible 20°-280°.
2040 C 0220	Lysegrund	56° 18.2' N 11° 47.7' E	FI.(2)W. period 5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 3.5s	33 10	5	Black building, red banded, concrete base; 30.	
2044 C 0222	Hesselo	56° 11.8' N 11° 42.6' E	FI.W. period 15s fl. 0.3s, ec. 14.7s	131 40	13	White cylindrical tower; 79.	
	ISEFJORD:						

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DENMARK-KATTEGAT AND BELTS							
2052 C 0226	-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 quadrilateral tower; 30.	G. 36°-95°, W. -98°, R. -116°, G. -148°, W. -237°.
2056 C 0228	--Outer harbor, W. mole, head	55° 57.9' N 11° 50.5' E	F.R.	20 6	4	Grey building; 7.	F.Y. shown in fog.
2060 C 0230	---E. mole, head	55° 57.9' N 11° 50.6' E	F.G.	13 4	4	Grey building; 7.	
2072 C 0238	-Lynaes Havn, W. mole, head	55° 56.5' N 11° 52.0' E	F.R.	16 5	4	Red post; 10.	Not shown 0100-0500.
2076 C 0237	--W. mole, head	55° 56.4' N 11° 52.1' 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. 0°-42°, R. -50°, G. -146°, R. -340°, G. -0°.
2080 C 0233	--Ferry Harbor, N. mole, head	55° 57.6' N 11° 50.5' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	16 5	3	Grey 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, grey lantern; 13.	
2088	-Rorvig, Yacht Harbor, N. mole, head	55° 56.7' N 11° 46.2' E	F.G.	16 5	3	Green mast; 8.	F.R. light shown on S. mole head.
2096 C 0239.42	--Range, front	55° 51.1' N 12° 02.5' E	F.R.	23 7	3	Latticed tower, red triangle, point up daymark white stripe.	
2100 C 0239.43	---Rear, 160°42' from front	55° 50.9' N 12° 02.7' E	F.R.	33 10	3	Latticed tower, red triangle, point down daymark white stripe.	
2104 C 0239.44	--North side of bridge leaf Range, front	55° 50.6' N 12° 02.4' E	Iso.G. period 2s	13 4	3	Mast, red triangle, point up daymark white stripe.	
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 triangle, point down daymark white stripe.	
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' with front. Synchronized.
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.	Flood light.
2140 C 0242	-Kyndbyvaerket Havn Range, front	55° 48.6' N 11° 52.5' E	Iso.R. period 2s	16 5	7	Grey 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 tower, framework; 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	Latticed tower, red triangle, point up daymark white banded; 30.	Visible 51°30'-71°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	Latticed tower, red triangle, point down daymark white banded; 23.	Visible 51°30'-71°30'.
2164 C 0257.5	-Loserup	55° 46.8' N 11° 44.6' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	75 23	W. 6 R. 4 G. 4	Red cylindrical tower, white banded; 7.	G. 180°-207°, W. -216°, Visible -234° R..
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 banded; 13.	G. 252°-338°30', W. - 343°30', R. -65°, G. - 165°, W. -175°, R. -252°.

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DENMARK-KATTEGAT AND BELTS							
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.	W. 105°-135°, R. -145°, G. - 105° Fl.R. 3s 3M marks E. mole. Flood light.
2176 C 0254	--Horby yacht harbor	55° 44.0' N 11° 42.0' E	Oc.W.R.G. period 10s lt. 8s, ec. 2s	13 4	W. 6 R. 4 G. 4	Red post, white banded; 7.	G. 309°30'-327°, W. -27°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	Latticed tower, red triangle, point up daymark; 30.	Visible 231°30'-251°30'.
2184 C 0248.1	--Rear, 520 meters 241°30' from front	55° 43.2' N 11° 42.5' E	Iso.R. period 4s	52 16	5	Latticed tower, red triangle, point down daymark; 49.	Visible 231°30'-251°30'. Synchronized with front.
2196 C 0244	--Boat harbor, W. mole	55° 43.2' N 11° 42.6' E	F.W.G.	13 4	4	Latticed mast; 10.	W. 315°-45°, 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 banded, gray base; 13.	
2204 C 0243	--Ejby Fishing Harbor.	55° 41.8' N 11° 50.2' E	F.R.	20 6	4	Black post.	
2208 C 0262	Hjelm	56° 08.0' N 10° 48.3' E	Iso.W.R.G. period 8s	200 61	W. 14 R. 11 G. 11	White cylindrical tower; 59.	G. 16°30'-43°, W. -51°, R. - 68°, G. -88°, W. -91°, R. - 110°, W. -16°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	Grey latticed structure; 20.	Visible 43°12'-75°12'.
2216 C 0782.1	--Rear, 260 meters 059°12' from front	56° 09.3' N 10° 40.2' E	Iso.W. period 2s	49 15	9	Grey latticed tower; 43.	Visible 43°12'-75°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	Grey pedestal; 7.	Shown 24 hours. Fog light.
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	Grey latticed 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 13	W. 12 R. 10 G. 10	White building, red banded; 20.	G. 355°-357°, W. -358°30', R. -5°, G. -8°, W. -8°30', R. -10°.
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	Grey mast; 26.	
2233 C 0776	-New entrance Range, front	56° 11.9' N 10° 40.2' E	F.G.	16 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.	49 15	5	Grey mast; 39.	
2234 C 0774	-Ebeltoft Harbor Range, front	56° 11.6' N 10° 40.1' E	F.R.	13 4	5	Concrete post, red triangle, point up daymark white stripes; 7.	Visible 58°54'-148°54'.
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	Latticed mast, red triangle, point down daymark white stripe.	Visible 58°54'-148°54'.
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	2	White tower, green banded; 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	2	White tower, red banded; 13.	
2250 C 0777	-Skudehavn	56° 11.5' N 10° 40.0' E	Fl.R. period 3s fl. 0.7s, ec. 2.3s	10 3	3	White tower, red banded; 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 17	W. 15 R. 12 G. 12	White round tower; 52.	R. 250°54'-275°, G. -297°, W. -302°6', R. -320°30', G. -6°6', R. -60°12', G. - 88°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 C 0810	Skodshoved Harbor, S. mole, head	56° 10.9' N 10° 22.4' E	F.G.	16 5	4	Grey post; 10.	Shown Apr. 1 to Nov. 15.
KALVO VIG:							
2260 C 0819	-Ronsten Grund SE	56° 15.6' N 10° 28.6' E	Fl.(3)R. period 10s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 7.5s	7 2	2	Dolphin; 7.	Shown Apr. 1 to Nov. 15.
2262 C 0818	-Nappedam.	56° 16.6' N 10° 29.7' E	F.R.	13 4	4	White concrete post; 7.	
2264 C 0814	-Studstrupvaerkets Havn Range, front	56° 15.0' N 10° 20.8' E	F.R.	138 42	6	Metal tower, framework, orange triangle, point up daymark; 125.	Visible 233°48'-13°48'.
2268 C 0814.1	--Rear, 135 meters 303°48' from front	56° 15.1' N 10° 20.7' E	F.R.	161 49	6	Building, orange triangle, point down daymark; 148.	Visible 233°48'-13°48'.
2269 C 0813	--S. mole, head	56° 14.6' N 10° 20.6' E	F.R.	16 5	4	White trapezium daymark red top.	
2270 C 0813.2	--N. mole, head	56° 14.6' N 10° 20.6' E	F.G.	16 5	4	White rectangular daymark green top.	Visible 7°-257°.
2271 C 0812	-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 C 0812.5	--N. mole, head	56° 12.6' N 10° 17.5' E	Fl.G. period 3s	13 4	5	Green post; 7.	
AARHUS:							
2275 C 0802.05	-Pier 4 Range, front	56° 09.8' N 10° 13.8' E	Iso.W. period 2s	121 37	7	Latticed tower; 13.	Visible 287°6'-303°6' Shown 24 hours. Synchronized with 2275.1 and 2275.2.
2275.1 C 0803	--Middle, 199 meters 295°06' from front	56° 09.9' N 10° 13.6' E	Iso.W. period 2s	157 48	7	Latticed tower; 10.	Visible 287°6'-303°6'. Synchronized with 2275 and 2275.2.
2275.2 C 0804	--Rear, 1130 meters 295°06' from middle	56° 10.1' N 10° 12.6' E	Iso.W. period 2s	240 73	7	Building, tower.	Synchronized with 2275 and 2275.2.
2280 C 0792	-E. mole, head	56° 09.7' N 10° 13.9' E	Fl.R. period 5s fl. 1s, ec. 4s	52 16	5	Grey tower, red banded; 52.	Fog light. Fog detector light.
2281 C 0793.5	-N. mole, head	56° 09.5' N 10° 14.7' E	Fl.R. period 3s fl. 0.8s, ec. 2.2s	26 8	8	White metal tower, red band. floodlit.	Fog light. Shown 24 hours.
2282 C 0793	-W. mole, head	56° 09.7' N 10° 13.7' E	Fl.G. period 5s fl. 1s, ec. 4s	26 8	5	Grey cylindrical tower, green banded.	Flood light.
2283 C 0793.9	-Miljohavn Basin	56° 09.0' N 10° 15.3' E	F.W.	16 5	5		
2286 C 0796	-E. harbor Range, front	56° 08.5' N 10° 13.1' E	Iso.W. period 2s	82 25	6	Latticed tower.	Visible 210°-243° Shown 24 hours. Range 2M by day.
2286.1 C 0796.1	--Rear, 207 meters 220°12' from front	56° 08.4' N 10° 13.0' E	Iso.W. period 2s	95 29	6	Latticed tower.	Visible 210°-243° Shown 24 hours. Range 2M by day. Synchronized with front.
2287 C 0794.5	-Basin 11	56° 09.2' N 10° 13.9' E	Fl.Y. period 3s	10 3	3	Metal post, yellow banded.	
2287.5 C 0797.8	-Basin 3 quay, NW. corner	56° 08.9' N 10° 12.9' E	Fl.Y. period 3s	10 3	3	Lantern.	
2289 C 0795	--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 banded; 26.	Flood light.
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.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-KATTEGAT AND BELTS							
2294 C 0789.5	Marselisborg	56° 08.2' N 10° 12.9' E	FI.G. period 3s	13 4	4	Grey post; 16.	Flood light.
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 building; 59.	G. 133°-157°, W. -160°, R. -175°, G. -214°, W. -220°, R. -326°, G. -345°, W. -350°, R. -45°.
2304 C 0824	-S. mole, head	55° 56.9' N 10° 27.3' E	F.R.	10 3	4	Grey post; 7.	Seasonal.
SAMSO:							
2328 C 0837	-Saelvig Pier, head	55° 51.9' N 10° 32.9' E	F.G.	16 5	5	Mast; 13.	
2332 C 0838	--N. mole, head	55° 47.8' N 10° 31.7' E	FI.R. period 3s fl. 0.3s, ec. 2.7s	16 5	4	Red metal post; 7.	
2336 C 0839	--S. mole, head	55° 47.8' N 10° 31.6' E	FI.G. period 3s fl. 0.3s, ec. 2.7s	16 5	3	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	12	White cylindrical tower; 62.	Visible 275°-149° W. partially obscured -169°.
2344 C 0844	-Lushage, SE. point of Samsø	55° 45.9' N 10° 37.2' E	FI.W. period 3s fl. 0.8s, ec. 2.2s	30 9	6	White latticed mast; 23.	Visible 204°-95°.
2345 C 0846	-Paludans Flak, E. side	55° 44.0' N 10° 35.0' E	FI.(3)Y. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	23 7	5	Wind turbine, turbine.	Light on E. and W. sides. Other wind turbines, some marked by lights, exist in area.
ENDELAVE HAVN:							
2368 C 0856	-Range, front	55° 45.6' N 10° 15.8' E	F.R.	23 7	4	Wooden mast.	Visible 95°-235°.
2372 C 0856.1	--Rear, 110 meters 165° from front	55° 45.5' N 10° 15.8' E	F.R.	43 13	4	Latticed tower.	Visible 95°-235°.
HORSENS FJORD:							
2376 C 0860	-Hjarno Range, front	55° 49.4' N 10° 03.8' E	Iso.G. period 2s	20 6	7	White wooden building; 13.	Visible 334°42'-342°42'.
2380 C 0860.1	--Rear, 703 meters 338°42' from front	55° 49.8' N 10° 03.6' E	Iso.G. period 4s	59 18	7	Latticed tower, orange banded; 59.	Visible 334°42'-342°42'.
2384 C 0866	-Haldrup Range, front	55° 52.8' N 9° 58.4' E	Iso.R. period 2s	26 8	8	White building, red banded; 26.	Visible 316°-324°.
2388 C 0866.1	--Rear, 600 meters 319°42' from front	55° 53.1' N 9° 58.1' E	Iso.R. period 4s	59 18	8	White building, red banded; 33.	Visible 316°-324°.
2392 C 0870	Sejet Range, front	55° 50.0' N 9° 57.0' E	Iso.G. period 2s	10 3	5	White building; 10.	Visible 228°12'-248°12'.
2396 C 0870.1	--Rear, 410 meters 238°12' from front	55° 49.9' N 9° 56.8' E	Iso.G. period 4s	33 10	5	White building; 16.	Visible 228°-248°.
-Horsens:							
2400 C 0876	--S. side of harbor range, front	55° 51.5' N 9° 50.9' E	Iso.R. period 2s	39 12	10	White building.	Visible 191°-11°.
2404 C 0876.1	---Rear, 690 meters 281° from front	55° 51.5' N 9° 50.9' E	Iso.R. period 4s	72 22	10	Metal tower, framework, orange triangle, point down daymark; 85.	Visible 191°-11°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-KATTEGAT AND BELTS							
2406 C 0877	--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 C 0880	-N. mole, head	55° 51.0' N 9° 52.0' E	FI.G. period 3s fl. 0.8s, ec. 2.2s	13 4	4	Green post, white hut; 10.	
2416 C 0884	Juelsminde Havn	55° 43.0' N 10° 01.0' E	FI.R. period 5s fl. 1s, ec. 4s	16 5	4	Grey metal column.	
2420 C 0885	Sandbjerg Vig	55° 43.2' N 10° 00.5' E	FI.R. period 3s fl. 0.7s, ec. 2.3s	13 4	4	Red tripod; 10.	
2432 C 0893.5	Aebelo	55° 38.7' N 10° 09.8' E	FI.W. period 15s fl. 0.3s, ec. 14.7s	66 20	14	Grey cylindrical hard surface tower, granite; 59.	Visible 16°-263°.
2436 C 0888	Korshavn	55° 36.2' N 10° 36.5' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	13 4	W. 7 R. 8 G. 3	White tower, red banded; 10.	R. 259°-292°, G. -53°, W. -58°, R. -78° Shown Apr. 1 to Sep. 30. Seasonal.
2440 C 0890	Enebaerodde, W. side of Odense Fjord, at Hals	55° 31.0' N 10° 33.7' E	FI.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. -28°, G. -82°.
2442 C 0890.2	Gabet Range, front	55° 31.3' N 10° 33.2' E	Iso.W. period 2s	33 10	6	Red mast, red triangle, point up daymark; 26.	Visible 210°48'-240°48' Shown 24 hours.
2442.1 C 0890.21	--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 triangle, point down daymark; 43.	Visible 210°48'-240°48' Synchronized with front. Shown 24 hours.
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. 3s, ec. 1s	66 20	W. 5 R. 3 G. 3	Latticed 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	20 6	W. 4 R. 2 G. 2	White tower; 16.	G. 160°30'-194°, W. -198°, R. -160°30'. Flood light.
2452 C 0908	-Entrance Range, front	55° 34.1' N 10° 05.0' E	F.R.	7 2	2	Post, white triangle, point up daymark; 7.	
2456 C 0908.1	--Rear, 130 meters 164°30' from front	55° 34.0' N 10° 05.1' E	F.R.	33 10	2	Warehouse, white triangle, point down daymark.	
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	Mast, framework; 69.	G. -124° 084, W. -128°, R. -136°30', W. -232°, R. -256°, G. -276°30', W. -10°.
2464 C 0900	-Vejle Havn Range, front	55° 42.4' N 9° 32.9' E	Iso.R. period 2s	59 18	4	Grey latticed tower, orange triangle, point up daymark; 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	4	Grey latticed tower, orange triangle, point down daymark; 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 quadrilateral tower; 69.	G. 351°-7°30', W. -13°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	5	Dolphin; 13.	
2486	-Floating drydock, SE. corner	55° 33.5' N 9° 45.2' E	V.Q.(6)+L.FI.W. period 10s	39 12	4	Mast; 3.	
2492 C 0918	-E. mole, head	55° 33.5' N 9° 45.0' E	FI.G. period 3s	13 4	5	Green post; 7.	

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DENMARK-KATTEGAT AND BELTS							
2496 C 0919	-W. mole, head	55° 33.5' N 9° 44.9' E	FI.R. period 3s fl. 0.8s, ec. 2.2s	13 4	4	Red mast; 7.	
2500 C 0920	-Yacht Harbor	55° 33.2' N 9° 43.8' E	F.R.	13 4	3	Red post; 7.	
2504 C 0920.2	-Erritso	55° 33.2' N 9° 43.8' E	F.G.	16 5	3	Green post; 7.	
2508 C 0924	-Stavrby Skov	55° 31.0' N 9° 45.6' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	30 9	W. 10 R. 7 G. 7	White building, red banded; 7.	G. 49°-68°, W. -79°, R. -91°.
2512 C 0919.4	-Range, front	55° 33.5' N 9° 44.1' E	F.R.	16 5	5	Column.	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	5	Grey mast; 43.	Visible 285°-325°.
2520 C 0925	E. Lillebaeltsbro	55° 31.1' N 9° 45.0' E	Iso.W. period 4s	171 52	9	Center of bridge. secondary structure: e. pillar. tertiary structure: w. pillar.	Shown on N. and S. sides in center of span.
			FI.R. period 3s fl. 0.8s, ec. 2.2s	16 5	6		Shown on N. and S. sides.
			FI.G. period 3s fl. 0.8s, ec. 2.2s	16 5	7		Shown on N. and S. sides. Synchronized with FI.R.
2524 C 0923	Lyngs Odde	55° 31.4' N 9° 44.5' E	FI.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 C 0928	-W. inner mole	55° 30.5' N 9° 43.5' E	F.G.	16 5	3	Green post; 10.	Visible 120°-300°.
2536 C 0932	W. Lillebaeltsbro	55° 31.0' N 9° 42.5' E	F.W.R.G.	16 5	F.	Pier, 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 C 0936	-Snoghoj	55° 31.5' N 9° 41.7' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	20 6	W. 10 R. 7 G. 7	White building, red banded; 26.	G. 56°-63°, W. -67°, R. -74°.
2544 C 0934	-N	55° 31.7' N 9° 40.7' E	Iso.W.R.G. period 4s	23 7	W. 14 R. 9 G. 9	Grey post; 7.	G. 12°-28°, W. -36°30', R. - 44°.
2548 C 0938	-W	55° 31.7' N 9° 40.5' E	Iso.W.R.G. period 2s	16 5	W. 12 R. 9 G. 9	White building, red banded; 23.	G. 290°-293°30', W. -295°, R. -302° Shows bearing 294°42'.
2552 C 0944	Damgaard	55° 31.6' N 9° 40.2' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	23 7	W. 12 R. 9 G. 9	White building, red banded; 23.	G. 290°-293°30', W. -295°, R. -311° Shows bearing 294°12'.
2556 C 0950	Skjaerbaek Fiskerihavn	55° 30.8' N 9° 37.8' E	F.G.	13 4		Post.	
2560 C 0948	Skjaerbaek	55° 30.7' N 9° 37.0' E	Oc.(2)W.R.G. period 12s lt. 6s, ec. 2s lt. 2s, ec. 2s	154 47	W. 8 R. 6 G. 6	Factory.	G. 35°30'-42°30', W. -44°, R. -49°, G. 307°30'-311°30', W. -314°30', R. -320°.
2564 C 0949	-Range, front	55° 30.7' N 9° 37.1' E	F.R.	30 9	5	Mast, orange triangle, point up daymark.	Visible 239°18'-59°18'. On request.

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DENMARK-KATTEGAT AND BELTS							
2568 C 0949.1	--Rear, 86 meters 329°18' from front	55° 30.7' N 9° 37.0' E	F.R.	43 13	5	Mast, orange triangle, point down daymark.	On request.
2572 C 0956	Drejensodde, S. side of point	55° 29.8' N 9° 35.0' E	Oc.W.R.G. period 5s	13 4	W. 8 R. 4 G. 3	Green wooden building; 13.	G. 243°-252°30', W. -255°, R. -260°30', G. -276°.
KOLDING HAVN:							
2576 C 0958	-Range, front	55° 29.6' N 9° 29.5' E	F.R.	30 9	13	Grey latticed tower; 30.	Shown 24 hours.
2580 C 0958.1	--Rear, 514 meters 267° from front	55° 29.6' N 9° 29.0' E	F.R.	49 15	13	Grey latticed tower; 49.	Shown 24 hours.
2584 C 0960	-N. mole, head	55° 29.6' N 9° 30.1' E	FI.G. period 3s	20 6	4	Round pipe, green stripe; 13.	
2588 C 0959	-S. mole, head	55° 29.6' N 9° 30.1' E	FI.R. period 3s	20 6	4	Grey piles, red banded; 13.	
2592 C 0964	Middelfart Yacht Harbor, jetty, head	55° 29.5' N 9° 43.4' E	F.G.	13 4	4	Metal post.	
2596 C 0962	Faeno	55° 28.5' N 9° 42.1' E	FI.W.R.G. period 5s fl. 1s, ec. 4s	36 11	W. 11 R. 8 G. 8	Building, gable of white; 26.	G. 338°-342°, W. -346°, R. - 350°.
2608 C 0968	-Tvingsbjerg	55° 18.6' N 9° 53.6' E	Iso.W.R.G. period 2s	39 12	W. 12 R. 8 G. 8	White building; 26.	G. 36°-41°, W. -43°, R. -48°.
			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°.
ASSENS:							
2616 C 0977	-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 banded; 13.	G. 158°-164°, W. -173°, R. - 180°.
2617 C 0982	-W. mole, head	55° 16.3' N 9° 53.1' E	FI.G. period 3s fl. 0.7s, ec. 2.3s	16 5	4	Green building; 10.	
2618 C 0983	-E. mole, head	55° 16.3' N 9° 53.2' E	FI.R. period 3s fl. 0.7s, ec. 2.3s	16 5	3	Post.	
2620 C 0970	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 C 0970.4	-E. ferry mole, N. head	55° 15.7' N 9° 42.8' E	F.R.	13 4	4	Grey post; 7.	
2628 C 0969	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 banded; 43.	R. 306°-322°, G. -353°, W. - 1°, R. -151°, G. -184°, W. -187°, R. -193°, Partially obscured 178°-193°.
2632 C 0970.6	Aaro Havn, S. mole, head	55° 15.6' N 9° 43.7' E	FI.G. period 3s	13 4	3	Grey post; 10.	
2636 C 0988	Helnaes.	55° 08.0' N 9° 58.7' E	FI.W.R.G. period 5s fl. 1s, ec. 4s	98 30	10	White square tower; 92.	R. 302°-321°, G. -330°, W. - 343°, R. -30°, G. -75°, W. -125°, R. -141°, G. -179°.
2640 C 0989.6	Bojden Ferry Harbor, N. mole, head	55° 06.4' N 10° 04.8' E	FI.R. period 3s	26 8	4	Grey metal tower; 16.	Shown 24 hours.
2644 C 0989.4	-S. mole, head	55° 06.4' N 10° 04.8' E	FI.G. period 3s	26 8	4	Grey latticed mast; 16.	Shown 24 hours. Siren: 1bl. ev. 20s (bl. 5s, si. 15s)
2648 C 0988.4	Faldsled Havn	55° 09.1' N 10° 08.5' E	F.G.	13 4	4	Green post; 13.	
2652 C 1030	Nordborg	55° 04.7' N 9° 42.7' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	89 27	W. 12 R. 9 G. 9	Yellow cylindrical tower; 66.	G. 65°-70°, W. -73°, R. -171°, G. -184°30', W. -236°, R. - 254°.

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DENMARK-KATTEGAT AND BELTS							
ABENERA HAVN:							
2660 C 1050	-Sydhavn Range, front	55° 02.0' N 9° 26.0' E	Iso.G. period 2s	49 15	5	Grey latticed tower, red triangle, point up daymark; 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	Grey latticed tower, red triangle, point down daymark; 66.	
2668 C 1052	-N. of Nyhavn Range, front	55° 03.0' N 9° 26.0' E	Iso.R. period 2s	36 11	5	Grey latticed 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	Grey latticed 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	FI.R. period 3s fl. 0.8s, ec. 2.2s	20 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.	20 6	2	Latticed mast, circle 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	2	Latticed mast, diamond (rhombus) daymark, circle 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.			Latticed tower, red circle daymark white border stripe.	Visible 231°-241°.
2700 C 1067.1	-Rear, 27 meters 235° from front	55° 00.3' N 9° 39.2' E	F.R.W.(vert.)			Latticed tower, red white diamond (rhombus) daymark, red white circle daymark.	Visible 231°-241°.
2704 C 1066	Ballebro	54° 59.8' N 9° 40.4' E	Iso.W.R.G. period 2s	36 11	W. 10 R. 7 G. 7	White cylindrical tower, red banded; 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 banded; 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. 12 G. 12	White cylindrical tower, red banded; 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	FI.R. period 5s fl. 0s, ec. 4s	13 4	3	Grey round post; 7.	
2720 C 1035.4	Fynshavn Ferry Harbor, S. mole, head	54° 59.8' N 9° 59.3' E	FI.R. period 3s fl. 0.5s, ec. 2.5s	23 7	5	Grey latticed mast; 16.	Shown 24 hours. Siren: 2bl. ev. 30s (bl. 5s, si. 5s, bl. 5s, si. 15s)
2724 C 1035.8	-N. mole, head	55° 00.0' N 9° 59.0' E	FI.G. period 5s	23 7	6	Grey latticed 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	Tripodal, circle daymark; 13.	Visible 152°30'-272°30'.
2732 C 1037.1	-Rear, 212°30' from front	54° 59.7' N 9° 58.5' E	F.W.R.(vert.)	46 14	5	Metal tower, framework, diamond (rhombus) daymark, circle 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 tower, framework, circle daymark; 20.	Visible 334°36'-94°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 tower, framework, diamond (rhombus) daymark, circle daymark; 30.	Visible 334°36'-94°36'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-KATTEGAT AND BELTS							
2748 C 0991	Bjorno	55° 03.3' N 10° 15.7' E	Iso.W.R.G. period 4s	20 6	W. 10 R. 7 G. 7	White lantern, red banded; 10.	G. 40°-52°, W. -60°, R. -71°.
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 building, red banded; 16.	G. 350°42'-352°12', W. - 354°12', R. -355°42'. Shown 24 hours.
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.	43 13	4	Brown mast, red banded, red triangle, point up daymark; 36.	Visible 43°30'-49°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 triangle, point down daymark; 36.	Visible 43°30'-49°30' Shown 24 hours.
2776 C 1004	--E. mole Range, front	55° 05.6' N 10° 14.3' E	F.R.	20 6	4	Grey post, red triangle, point up daymark; 13.	Visible 260°-2° F.I.G. 3s 4M shown from head of pier 75 meters SSW. Seasonal.
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	Latticed tower, red triangle, point down daymark; 43.	Visible 224°-89° 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 lantern, red banded; 10.	G. 115°12'-123°, W. -130°, R. -143°.
2788 C 1016	-Munke, E. side of Avernaiko	55° 01.4' N 10° 16.3' E	Iso.W.R.G. period 4s	33 10	W. 15 R. 11 G. 11	White lantern, red banded; 13.	G. 259°-264°, W. -268°, R. - 273°.
AERO:							
2792 C 1070	-Skjoldnaes	54° 58.2' N 10° 12.4' E	L.F.I.W. period 30s fl. 4s, ec. 26s	105 32	22	White round hard surface tower, granite; 72.	
2796 C 1068	Vitso Range, front	54° 55.4' N 10° 14.6' E	F.R.	13 4		Mast, red circle daymark white border stripe; 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.)	26 8		Mast, red white diamond (rhombus) daymark, red white circle 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: 2bl. 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.
2812 C 1076	-Range, front, W. mole, head	54° 53.5' N 10° 24.8' E	F.G.	36 11	5	Green metal mast, white top, red triangle, point down daymark; 23.	Visible 136°18'-256°18'.
			Fl.G. fl. 1s, ec. 4s	13 4	4		Flood light.
2816 C 1076.1	--Rear, about 145 meters 196° from front	54° 53.4' N 10° 24.8' E	F.G.	49 15	5	White metal mast, red triangle, point down daymark; 43.	Visible 136°18'-256°18'.
2818 C 1077	-Dejro	54° 54.0' N 10° 25.2' E	Fl.(2)R. period 5s	7 2	3	Red dolphin.	
-Marstal Havn:							
2820 C 1086	--N. Range, about 1.4 km., 331° from church, front	54° 52.0' N 10° 30.5' E	F.R.	16 5	5	Mast, red triangle, point up daymark; 16.	Visible 184°48'-324°48'.
2824 C 1086.1	--Rear, 125 meters 254°48' from front	54° 52.0' N 10° 30.4' E	F.R.	36 11	5	Mast, red triangle, point down daymark; 20.	Visible 184°48'-324°48'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-KATTEGAT AND BELTS							
2825 C 1087	--S. channel Range, front	54° 51.5' N 10° 31.6' E	Iso.W. period 2s	20 6	7	Grey latticed tower, white mast; 20.	Visible 303°24'-335°24'.
2825.1 C 1087.1	---Rear, 279 meters 319°24' from front	54° 51.6' N 10° 31.4' E	Iso.W. period 4s	33 10	7	Grey latticed tower, white mast; 33.	Visible 303°24'-335°24'.
2826 C 1087.8	--	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	Grey mast; 13.	G. 281°24'-286°24', W. -290°24', R. -294°24', G. -301°24'.
2828 C 1088	--S. Range, front	54° 51.0' N 10° 31.0' E	F.G.	26 8	3	Grey latticed tower, red triangle, point up daymark; 36.	
2832 C 1088.1	---Rear, 238 meters 178°42' from front	54° 51.3' N 10° 31.4' E	F.G.	43 13	3	Grey latticed tower, red triangle, point down daymark; 36.	
2833 C 1084	Aeros Hale cable Range, front	54° 50.6' N 10° 31.0' E	F.R.	16 5	5	Mast, red circle daymark white border stripe.	Visible 219°48'-359°48' Shown 24 hours.
2833.1 C 1084.1	-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 tower, framework, red white diamond (rhombus) daymark, red white circle daymark; 33.	Visible 219°48'-359°48' Shown 24 hours. 4 meters apart.
2834 C 1084.3	Ristinge, S. cable Range, front	54° 49.8' N 10° 36.4' E	F.R.	59 18	5	Two, red circle daymark white border stripe; 16.	Visible 32°12'-172°12' Shown 24 hours.
2834.1 C 1084.31	-Rear, 102°12' from front	54° 49.8' N 10° 36.4' E	F.W.R. (vert.)	89 27	W. 6 R. 5	Two, red white diamond (rhombus) daymark, red white circle daymark.	Visible 32°12'-172°12' Shown 24 hours. 4 meters apart.
2836 C 1082	-Vejsnaes Nakke	54° 49.0' N 10° 25.4' E	FI.W. period 5s fl. 1s, ec. 4s	75 23	12	White mast, red banded; 26.	Visible 220°-130°.
2840 C 1704	Stryno Range, front	54° 53.5' N 10° 36.9' E	F.R.	20 6	8	Mast, circle daymark; 23.	Visible 274°-310°.
2844 C 1704.1	-Rear, 270 meters 292° from front	54° 53.6' N 10° 36.8' E	F.W.R. (vert.)	33 10	8	Metal tower, framework, diamond (rhombus) daymark, circle daymark; 23.	Visible 274°-310° 2 meters apart.
2848 C 1703	-Pier, head	54° 54.2' N 10° 37.8' E	F.W.R.G.	16 5	W. 7 R. 4 G. 4	Warehouse, roof of red.	G. 16°-246°, W. -355°, R. -16° Shown 24 hours.
MOMMARK (MUMMARK):							
2852 C 1042	-E. mole, head	54° 56.0' N 10° 02.7' E	F.R.	10 3	5	Grey post; 7.	Flood light.
2856 C 1046	-Outer mole, head	54° 56.0' N 10° 02.8' E	FI.R. period 3s fl. 0.7s, ec. 2.3s	13 4	5	Grey post; 7.	
2864 C 1098	Hummelvig Range, front	54° 53.8' N 10° 03.5' E	F.R.	16 5		Latticed tower, red circle daymark white border stripe; 20.	Marks cable.
2868 C 1098.1	-Rear, 50 meters 256° from front	54° 53.8' N 10° 03.4' E	F.W.R. (vert.)	30 9		Latticed tower, red diamond (rhombus) daymark white border stripe; 33.	
2872 C 1100	Gammel-Pol	54° 52.9' N 10° 04.2' E	Oc.(3)W.R.G. period 15s lt. 2s, ec. 2s lt. 2s, ec. 2s lt. 5s, ec. 2s	66 20	W. 11 R. 8 G. 8	White tower, red banded; 36.	W. 166°30'-320°, R. -8°, G. -36°30', W. -49°, R. -166°30' Partially obscured 326°-029° by vegetation.
FLENSBORG FJORD:							
2876 C 1104	-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. 9 G. 9	Yellow round tower; 59.	R. 217°-266°30', G. -273°, W. -289°30', R. -337°, G. -26°, W. -44°, R. -50°30', G. -75°, W. -80°, R. -102°30'.
2880 C 1115.5	Sonderborg	54° 53.9' N 9° 47.5' E	F.G.	13 4	4	Post; 7.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-KATTEGAT AND BELTS							
2888 C 1116.4	-Near Castle	54° 54.4' N 9° 46.9' E	FI.G. period 5s fl. 1s, ec. 4s	16 5	5	Latticed mast, green post; 7.	Visible 284°-258°. Radar reflector.
2892 C 1117	-W. side of channel	54° 54.4' N 9° 46.9' E	FI.R. period 5s fl. 1s, ec. 4s	16 5	5	Latticed mast, red pile; 7.	Visible 114°-342°. Radar reflector.
2893 C 1115.4	Horuphav Havn	54° 54.3' N 9° 53.4' E	FI.G. period 3s fl. 0.8s, ec. 2.2s	7 2	4	White post; 7.	Flood light.
DENMARK AND GERMANY-FLENSBORG FJORD							
2900 C 1113	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 round tower, white banded, three galleries; 79.	W. 12°-62°, R. -84°, 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. -12°. Flood light.
	RACON		T(-)		8		(3 cm).
2920 C 1126	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	Grey mast; 13.	
2924 C 1126.1	-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	Grey mast; 33.	Synchronized with front.
2928 C 1134	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 banded, gallery; 85.	R. 53°-60°, W. -66°30', G. -91°30', W. -189°, R. -196°, W. -203°, R. -208°, G. 283°-289°, W. -294°30', R. -302°, Obscured 299°30' - 300°30'.
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 banded; 26.	Visible 8°-78°.
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 tower, red diamond (rhombus) daymark; 23.	Visible 20°-38°.
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	Rinkenaes 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 banded.	W. 227°-312°, G. -4°.
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 latticed tower, red diamond (rhombus) 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 banded; 26.	Visible 44°-52°.
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 mast, red square daymark; 69.	Visible 41°-59°.
EGERNSUND:							
2960 C 1146	-Range, front	54° 54.4' N 9° 35.7' E	F.R.	10 3		Latticed tower, red triangle, point up daymark; 7.	
2964 C 1146.1	--Rear, 30 meters 335°30' from front	54° 54.4' N 9° 35.6' E	F.R.	20 6		Latticed tower, red triangle, point down daymark; 20.	
2966 C 1175	Farensodde	54° 49.4' N 9° 28.4' E	F.R.	13 4		Red tower, white banded; 10.	
2966.1 C 1175.5	-Inner harbor	54° 49.4' N 9° 28.3' E	F.G.	13 4		Green tower, white banded; 10.	Visible 325°-77°30'.
FLENSBURG:							

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK AND GERMANY-FLENSBORG FJORD							
2972 C 1176	-Kielseng	54° 48.3' N 9° 26.8' E	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.
GERMANY-KIEL BAY							
SCHLEI:							
3000 C 1186	--Mole, head	54° 40.3' N 10° 02.2' E	L.FI.(3)W.R.G. period 20s fl. 2s, ec. 3s fl. 2s, ec. 3s fl. 2s, ec. 8s	46 14	W. 6 R. 11 G. 11	White tower, green banded; 46.	R. 144°-201°, G. -275°, W. -296°, R. -6°, W. UNINTENSIFIED-100° F.Y. shown in fog, Visible 275°-296° Fog detector light. Flood light.
3004 C 1188	--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 piles; 16.	Visible 40°-175°.
3008 C 1188.1	--Rear, 90 meters 107°30' from front	54° 40.3' N 10° 02.0' E	Oc.W. period 4s lt. 3s, ec. 1s	26 8	9	White mast; 20.	Visible 40°-175°. Synchronized with front.
3036 C 1189	-Lotseninsel Range, front	54° 40.6' N 10° 01.3' E	Iso.W. period 4s	33 10	11	White mast, red triangle, point up daymark; 33.	INTENSIFIED on range line.
3040 C 1189.1	--Rear, 800 meters 093°42' from front	54° 40.5' N 10° 02.1' E	Iso.W. period 4s	72 22	13	White mast, red triangle, point down daymark; 62.	INTENSIFIED on range line. Synchronized with front.
3044 C 1190	-Grimsnis Range, front	54° 40.6' N 9° 56.5' E	Iso.W. period 4s	23 7	11	White piles; 19.	INTENSIFIED on range line.
3048 C 1190.1	--Rear, 595 meters 266° from front	54° 40.5' N 9° 56.0' E	Iso.W. period 4s	52 16	13	White piles; 19.	INTENSIFIED on range line.
3052 C 1192	-Kappeln Range, front	54° 40.0' N 9° 56.2' E	Oc.W. period 4s lt. 3s, ec. 1s	26 8	9	White piles; 19.	INTENSIFIED on range line.
3056 C 1192.1	--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 piles; 13.	INTENSIFIED on range line. Synchronized with front.
3057 C 1197	-Olpenitz, N. mole, head	54° 39.6' N 10° 02.6' E	Fl.G.	26 8	3	Green metal mast, green banded; 19.	
3058 C 1198	--S. mole, head	54° 39.5' N 10° 02.5' E	Fl.(2)R.	26 8	3	White mast, red banded; 19.	
DAMP:							
3060 C 1202	-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.	
3064 C 1203	--S. mole	54° 34.8' N 10° 01.7' E	Fl.(2)R. period 5s	26 8	3	Red mast; 26.	
ECKERNFORDE:							
3068 C 1206	Eckernforde	54° 27.6' N 9° 50.6' E	Oc.W.R.G. period 4s lt. 3s, ec. 1s Fl.(2)W. period 9s fl. 1s, ec. 2s fl. 1s, ec. 5s Dir.F.W.R.	118 36	W. 21 R. 17 G. 18 W. 12 R. 8	Grey 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	36 11	W. 6 R. 4 G. 3	Red tower, white banded; 33.	W. 195°-251°, G. -293°, W. -315°, R. -3° 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	FI.G. period 6s fl. 1.5s, ec. 4.5s	26 8	2	Grey mast; 13.	Flood light.
3080 C 1215	Kiel	54° 30.0' N 10° 16.4' E	Iso.W.R.G. period 6s	95 29	W. 17 R. 14 G. 13	Red round tower, white banded, concrete base. floodlit; 108.	W. 148°30'-220°, R. -246°30', W. -295°, R. -358°, W. -25°30', G. -56°, R. 71°-88° ~, W. -91°18', G. -148°30'. Horn: Mo.(KI) ev. 30s
KIELER FORDE:							
3084 C 1216	-Bulk	54° 27.3' N 10° 12.2' E	FI.W.R.G. period 3s fl. 0.7s, ec. 2.3s	95 29	W. 14 R. 11 G. 10	White tower, black banded, two galleries; 82.	W. 127°-146°, R. -213°, G. -228°, W. -235°30', R. -238°30', W. -262°, G. -43°.
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 banded; 36.	G. 170°30'-246°, W. -280°30', R. -350°30'.
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. 16°-70°, 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	Mast, white triangle, point up daymark red border stripe, lantern; 36.	INTENSIFIED on range line.
3108 C 1226.1	--Rear, 410 meters 037° from front	54° 23.8' N 10° 12.6' E	Oc.W. period 4s lt. 3s, ec. 1s	82 25	12	Mast, white triangle, point down daymark red border stripe; 75.	INTENSIFIED on range line. Synchronized with front.
KIEL:							
3112 C 1230	-Friedrichsort	54° 23.4' N 10° 11.6' E	Iso.W.R.G. period 4s	105 32	W. 7 R. 6 G. 5	White round tower, green banded, gallery.	G. 171°30'-196°, W. -202°, R. 209°-224°, W. -280°, G. -300°, W. -32°, G. -90° F.Y. shown in fog, Visible 19°-39°. Flood light.
			F.W.		6		Visible 202°-209°.
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-12°, W. UNINTENSIFIED-39° 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 banded, red lantern, radar antenna; 89.	R. UNINTENSIFIED 159°-192°, W. -214°, R. -288°, W. -302°, W. UNINTENSIFIED-3°.
3121 C 1251	--Hochbruche Bridge, center	54° 22.1' N 10° 04.5' E	2F.W.			Bridge.	2 F.W. marks center.
3124 C 1238	-Tirpitzhafen	54° 21.2' N 10° 08.9' E	F.R.	36 11	3	Grey mast; 30.	
3128 C 1237	-Scheermole, head	54° 21.3' N 10° 09.1' E	F.G.	39 12	3	Mast; 26.	
3136 C 1276	Neuland	54° 22.0' N 10° 36.0' E	FI.Y.R. period 5s fl. 0.1s, ec. 4.9s	131 40	Y. 6 R. 5	Grey tower.	Seasonal Firing range signal. Signal station F.R. shown from chimney 1.5 miles WNW.
HEILIGENHAFEN:							

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GERMANY-KIEL BAY							
3140 C 1336	-Dredged channel Range, front	54° 22.0' N 11° 00.0' E	Oc.W. period 4s lt. 3s, ec. 1s	43 13	17	White mast, white triangle, point up daymark red border; 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	Piles, red triangle, point down daymark white border; 49.	INTENSIFIED on range line. Synchronized with front.
3148 C 1329	-Warder Range, front	54° 23.0' N 10° 59.0' E	Iso.W. period 3s	43 13	17	White mast, red triangle, point up daymark; 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, red triangle, point down daymark; 52.	
3156 C 1328 2150	-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	52 16	W. 13 R. 10 G. 9	Red and white tower, platform, white lantern; 43.	G. 100°-206°, W. -212°12', R. -250°.
3164 C 1280	Westermarkelsdorf	54° 31.7' N 11° 03.4' E	L.FI.W.R. period 10s fl. 2.5s, ec. 7.5s	52 16	W. 17 R. 13	White tower, red lantern, radar antenna; 56.	R. 31°-59°, 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 & 10 cm).
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		(3 cm).
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 banded, white triangle, point up daymark red border; 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 banded, white triangle, point down daymark red border.	Synchronized with front.
3180 C 1282	-Puttgarden	54° 30.4' N 11° 13.8' E	Oc.W.R.G.	59 18	W. 8 R. 6 G. 5	Red mast, white banded, white triangle, point up daymark red border; 59.	G. 146°-183°, W. -227°, R. -264°.
3184 C 1282.2	--E. mole, head	54° 30.4' N 11° 14.0' E	F.R.	23 7	4	Red mast; 10.	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 banded, gallery; 108.	R. 118°-146°, W. -173°, R. -223°18', W. -333°.
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	82 25	W. 18 G. 14	Yellow tower, red lantern; 72.	W. 175°-63°30', G. -71°30', W. -90°.
3194 C 1287	-Mecklenburger Bucht	54° 17.1' N 11° 24.6' E	Oc.(3)Y. period 12s	62 19		Yellow piles.	Flood light.
3196 C 1326	--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. -21°, R. -42°, W. -186°.
3200 C 1316	--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 C 1322	--On pier Range, front	54° 25.4' N 11° 11.4' E	Iso.W. period 8s	49 15	9	Grey mast, red triangle, point up daymark; 43.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GERMANY-MECKLENBURGER BUCHT							
3212 C 1324	--Rear, 167 meters 356°30' from front	54° 25.3' N 11° 11.5' E	Iso.W. period 8s	75 23	9	Grey mast, red triangle, point down daymark; 69.	
3216 C 1288	-Strukkamphuk E. Approach Range, front	54° 24.6' N 11° 05.7' E	Iso.W.R. period 3s	23 7	W. 3 R. 6	White round tower; 16.	W. 292°30'-317°30', W. INTENSIFIED-37°, W. - 157°, R. -177°.
3220 C 1288.1	--Flugge, rear, about 6.1 km. 305° from front	54° 26.5' N 11° 01.1' E	F.W.	121 37	25	Red octagonal tower, red top, white banded, red building; 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 C 1300	-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. 74°30'-86°, W. -94°, R. - 108° F.Y. shown in fog, Visible 75°-110° and 250°-315°.
	RACON		T(-)		2		(3 & 10 cm).
3236 C 1312	-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	Grey mast; 16.	G. 346°-348°, W. -350°, R. - 352°.
3244 C 1342	Dahmeshoved	54° 12.1' N 11° 05.4' E	FI.(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 near yellow building and red tower; 92.	Visible 176°18'-68°18'.
3248 C 1346	Pezlerhaken	54° 05.1' N 10° 52.0' E	L.FI.(2)W.R.G. period 20s fl. 3s, ec. 4s fl. 3s, ec. 10s	69 21	W. 14 R. 11 G. 9	Red tower, white lantern, platform; 62.	W. 221°-335° Obscured 242°30'-244° within 2M and obscured 221°-234°, R. -348°, W. -82°, G. - 92°, W. -101° W partially obscured northward by buildings.
	NEUSTADT:						
3252 C 1348	-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, white triangle, point up daymark red border; 33.	INTENSIFIED on range line.
3256 C 1348.1	--Rear, 110 meters 347°48' from front	54° 05.9' N 10° 48.6' E	Oc.W. period 4s lt. 3s, ec. 1s	62 19	12	White mast, white triangle, point down daymark red border; 49.	INTENSIFIED on range line. Synchronized with front.
3260 C 1348.4	-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	36 11	6	White mast, white triangle, point up daymark red border; 23.	INTENSIFIED on range line. Intensified on range line.
3264 C 1348.41	--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, white triangle, point down daymark red border; 30.	INTENSIFIED on range line. Synchronized with front.
3272 C 1350	-Seeburg Range, front	54° 05.9' N 10° 48.9' E	Iso.W. period 3s	43 13	9	White mast, dolphin, white triangle, point up daymark red border; 33.	
3276 C 1350.1	--Rear, 50 meters 020°30' from front	54° 06.0' N 10° 48.9' E	Iso.W. period 3s	52 16	9	White mast, white triangle, point down daymark red border; 49.	Synchronized with front.
	TRAVEMÜNDE:						
3296 C 1370	-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	46 14	17	White mast, white triangle, point up daymark red border; 43.	
3300 C 1370.1	--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 latticed mast, white triangle, point down daymark red border; 69.	INTENSIFIED on range line. Synchronized with front.
3302 C 1365.9	-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°6'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GERMANY-MECKLENBURGER BUCHT							
3303 C 1365.95	-Light 12	53° 55.7' N 10° 52.3' E	Oc.(2)R. period 9s lt. 2s, ec. 1s lt. 5s, ec. 1s			Red masonry piles.	
TRAVEMUNDE:							
3304 C 1360	-Travemunde	53° 57.7' N 10° 52.9' E	Fl.W.R. period 4s fl. 0.1s, ec. 3.9s	377 115	W. 19 R. 15	Building; 387.	R. 165°-214°, W. -234°, R. -245°.
3308 C 1362	-N. mole, head	53° 57.7' N 10° 53.4' E	Oc.R.G. period 4s lt. 3s, ec. 1s	39 12	5	White tower, black bands.	R. 123°-201°, G. -66°. Flood light.
F.Y.							
3312	Buoy Wismar	54° 07.0' N 11° 26.0' E	Iso.W. period 4s			Red buoy, white stripe, round topmark.	Visible 205°-265°.
TRAVEMUNDE:							
3315 C 1386.4	Lieps	53° 59.3' N 11° 18.3' E	Dir.F.W.R.G. period 6s	33 10	7	White mast; 33.	G. 302°6'-303°42', W. -303°48', W. -304°, W. -304°6', R. -305°42'.
3315.1 C 1380.2	Boltenhagen, E. mole, head	53° 58.3' N 11° 15.0' E	F.G.	20 6	4	White piles.	
3315.2 C 1380.3	-W. mole, head	53° 58.3' N 11° 15.1' E	F.R.	20 6	4	White piles.	
3316 C 1382	Hohen Wieschendorf Range, front	53° 57.5' N 11° 19.9' E	Oc.W. period 4s lt. 3s, ec. 1s	62 19	15	White latticed mast, white triangle, point up daymark red border; 52.	
3320 C 1382.1	-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 latticed mast, white triangle, point down daymark red border; 69.	Synchronized with front.
3328 C 1386	Timmendorf	53° 59.5' N 11° 22.6' E	Iso.W.R.G. period 6s	69 21	W. 16 R. 12 G. 11	Brown tower, red roof, gallery, white lantern; 69.	W. 49°-54°30', G. -73°30', W. -79°, R. -125°, G. -135°, W. -137°, R. -196°, G. -202°30', W. -211°30', R. -220°.
3330 C 1398	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. 80°-85°, W. -86°30', R. -116°.
3331 C 1398.5	-N. side	54° 01.4' N 11° 28.2' E	Iso.W.R.G. period 4s	43 13	W. 19 R. 16 G. 14	White tower, white dwelling, red and green lantern; 33.	G. 162°18'-164°30', W. -166°, R. -168°18'.
3342 C 1387.8	-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, white triangle, point up daymark red border; 33.	INTENSIFIED on range line.
3344 C 1387.9	--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 banded, black dolphin; 98.	INTENSIFIED on range line.
3348 C 1388	-Poel Range, front	53° 57.2' N 11° 24.5' E	Iso.W. period 4s	33 10	7	White mast, black dolphin, red white triangle, point up daymark.	INTENSIFIED on range line.
3352 C 1388.1	--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 banded, three baskets; 79.	INTENSIFIED on range line.
3356 C 1388.6	-Wendorf Seebad Range, front	53° 55.1' N 11° 25.8' E	Iso.R. period 4s	33 10	6	White mast, black dolphin, white triangle, point up daymark red border; 33.	INTENSIFIED on range line.
3360 C 1388.7	--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 banded; 79.	INTENSIFIED on range line.
3364 C 1390	-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, red triangle, point down daymark; 33.	INTENSIFIED on range line.
3368 C 1390.1	--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 banded, black dolphin; 79.	INTENSIFIED on range line. Synchronized with front.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GERMANY-MECKLENBURGER BUCHT							
WISMAR:							
3372 C 1392	-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 C 1392.1	--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.	INTENSIFIED on range line. Channel marked by beacons. Synchronized with front.
3412 C 1400	Buk	54° 07.9' N 11° 41.6' E	L.FI.(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	312 95	W. 24 R. 20	Brown round tower, red lantern; 69.	R. 40°-73°, W. -265°.
WARNEMUNDE-HAFEN:							
3428 C 1404	-Warnemunde	54° 10.9' N 12° 05.1' E	FI.(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, copper dome, two galleries, lantern; 102.	Visible 62°36'-242°36'. Calibration radiobeacon.
3432 C 1415	-Petersdorf, approach Range, front	54° 08.7' N 12° 06.8' E	Oc.R. period 4s lt. 3s, ec. 1s	79 24	15	Red piles, white banded, red dome; 69.	
3436 C 1415.1	--Rear, 1560 meters 161°36' from front	54° 07.9' N 12° 07.3' E	Oc.R. period 4s	148 45	17	Red piles, white banded, red dome; 108.	Synchronized with front.
3448	-Buoy Rostock	54° 18.0' N 12° 00.0' E	Iso.W. period 4s			SAFE WATER White column, topmark, red vertical stripes.	Radar reflector.
3452 C 1405	-W. mole, head	54° 11.2' N 12° 05.2' E	Iso.G. period 4s	46 14	6	Green tower, white banded, two galleries; 39.	Flood light.
3510	Route T, Buoy 71	54° 27.6' N 12° 12.2' E	Iso.W. period 4s			Safe water rw, pillar, topmark.	
	RACON		X(- • • -)				(3 & 10 cm).
3512 C 1436	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 banded; 26.	Visible 24°-204°.
3516 C 1440	Darsser Ort	54° 28.4' N 12° 30.1' E	FI.(2+4)W. period 22s	108 33	23	Red cylindrical tower, brown roof.	
3517 C 1440.5	-Breakwater	54° 28.3' N 12° 31.2' E	Dir.F.W.R.G. period 4s	26 8	W. 9 R. 6 G. 6	White mast, pedestal; 16.	G. 253°12'-255°30', W. - 256°30', R. -259°12'.
DENMARK-STORE BAELT (GREAT BELT)							
3520 C 1470	Odden	55° 58.3' N 11° 22.3' E	FI.G. period 3s	16 5	4	Green latticed mast; 23.	
3524 C 1476	Sjaellands Rev	56° 04.8' N 11° 12.9' E	FI.W. period 5s fl. 1s, ec. 4s	20 6	7	Red beacon; 20.	
3528 C 1480	Yderflak	56° 04.0' N 11° 01.2' E	FI.G. period 3s fl. 0.8s, ec. 2.2s	33 10	8	Green mast, green beacon, two platforms.	
3532 C 1483	Sjaellands Odde Ferry Harbor Range, front	55° 58.4' N 11° 18.0' E	Iso.W. period 2s	39 12	8	Grey latticed tower; 20.	Visible 351°48'-23°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	Grey latticed tower; 43.	Visible 351°48'-23°48' Shown 24 hours. Synchronized with front.
3540 C 1484	-W. mole, head	55° 58.3' N 11° 17.9' E	FI.R. period 3s fl. 0.8s, ec. 2.2s	16 5	4	Grey pedestal; 7.	Fog detector light 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)							
3544 C 1484.2	-E. mole, head	55° 58.3' N 11° 18.0' E	FI.G. period 3s fl. 0.8s, ec. 2.2s	20 6	5	Latticed tower; 10.	Fog detector light Shown 24 hours.
3546	Light Buoy No 16	55° 55.2' N 10° 57.2' E	L.FI.W. period 10s			Safe water rw, pillar, topmark.	
	RACON		M(- -)				(3 & 10 cm).
3548 C 1497	Hatterrev, DW 3	55° 54.1' N 10° 51.7' E	FI.Y. period 3s fl. 0.8s, ec. 2.2s	30 9	10	Yellow beacon.	
	RACON		B(- · · ·)				(3 & 10 cm).
3552 C 1497.4	Hatter Barn, DW6	55° 53.1' N 10° 50.1' E	FI.(4)Y. period 10s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 6.5s	30 9	10	Yellow beacon; 30.	
3556 C 1486	Sejero	55° 55.1' N 11° 04.9' E	L.FI.(2)W. period 15s fl. 2.5s, ec. 2.5s fl. 2.5s, ec. 7.5s	102 31	12	Yellow round tower; 62.	Obscured 301° by land, Obscured 307°-311° and 316°-321°.
3560 C 1487.2	-Main basin, W. mole, head	55° 52.7' N 11° 08.2' E	F.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	F.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	6	White building, red banded; 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 building, red banded; 7.	Visible 171°-179°.
3580 C 1491	-Havsno, N. mole, E	55° 45.3' N 11° 19.6' E	F.G.	20 6	7	Green metal post, white; 13.	
3589 C 1495	-Fishing harbor	55° 45.1' N 10° 56.7' E	FI.G. period 3s	16 5	2	White post; 10.	
3592 C 1498	-Rosnaes Puller	55° 45.0' N 10° 50.6' E	FI.(2)W. period 5s	30 9	10	Red mast, granite base; 30.	Visible 281°6'-278°42' Partially obscured 278°- 281° by mast.
3596 C 1500	Asnaes	55° 40.3' N 10° 56.1' E	FI.W. period 3s fl. 0.8s, ec. 2.2s	39 12	4	White pedestal, red banded; 13.	
3600 C 1504	Gisselore, on point	55° 40.2' N 11° 04.6' E	FI.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.F.W.R.G. period 10s	43 13	W. 12 R. 8 G. 8	Grey latticed mast; 33.	G. 113°31'-115°31', W. - 116°31', 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	FI.G. period 3s fl. 0.8s, ec. 2.2s	10 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	89 27	7	Grey latticed tower, red triangle, point up daymark; 95.	Shown 24 hours.
3624 C 1509.1	--Rear, 142 meters 090°42' from front	55° 40.0' N 11° 06.4' E	Iso.W. period 4s	105 32	7	Grey latticed tower, red triangle, point down daymark; 105.	Shown 24 hours.
3626 C 1509.4	-Oil pier, head	55° 40.0' N 11° 05.4' E	FI.G. period 5s	16 5	3	Grey mast, platform; 26.	Shown 24 hours.

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DENMARK-STORE BAELT (GREAT BELT)							
3628 C 1510	-Dredged channel entrance Range, front	55° 40.6' N 11° 05.5' E	Iso.G. period 2s	33 10	5	Grey metal tower, red triangle, point up daymark; 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	Grey metal tower, red triangle, point down daymark; 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 triangle, point up daymark; 39.	Visible 130°12'-270°12' Shown 24 hours. Dir.Y. visible. 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 triangle, point down daymark.	Visible 130°12'-270°12' Shown 24 hours.
3642 C 1512	--W. mole, head	55° 40.6' N 11° 05.3' E	F.R.	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. 11 R. 8 G. 7	Green round mast, platform.	G. 51°30'-132°, W. -135°, R. -150°, G. -158°, W. -169°, R. -300°48', G. -325°, W. -332°, R. -51°.
	RACON		T(-)				(3 & 10 cm).
KJERTEMINDE HAVN:							
3652 C 1531.4	-Marina	55° 27.2' N 10° 40.1' E	F.G.	10 3	2	Post.	
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.	
3664 C 1531	-Range, front	55° 27.0' N 10° 39.7' E	Iso.R. period 2s	20 6	4	Grey column, yellow triangle, point up daymark; 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	Grey column, yellow triangle, point down daymark.	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°-23°.
3682	Osterrenden N., RACON	55° 21.8' N 11° 01.4' E	N(- ·)				(3 & 10 cm).
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 banded; 62.	
3690 C 1532.603	East Bridge, W. tower	55° 20.4' N 11° 01.4' E	3Fl.W.(vert.) period 1.5s	846 258 522 159 203 62	10		Air obstruction light AVIATION LIGHTS. Shown 24 hours. Horn: 1bl. ev. 60s (bl. 5s, si. 55s)
3690.1 C 1532.612	-E. tower	55° 20.6' N 11° 02.9' E	3Fl.W.(vert.) period 1.5s	846 258 522 159 203 62	10		Range 4M by day. Sync with 3690. Air obstruction light AVIATION LIGHTS. Shown 24 hours. Horn: 2bl. ev. 60s (bl. 5s, si. 5s, bl. 5s, si. 45s)
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 89°18'-270°42' Shown 24 hours. Sync with 3690.23.
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						Only visible on N. side of bridge.(3 & 10 cm).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-STORE BAELT (GREAT BELT)							
3690.22 C 1532.607	--- Rear, 180° from front	55° 20.5' N 11° 01.8' E	3F.W. (vert.)	312 952 95 902 79 85	6		Visible 89°18'-269° Shown 24 hours. Marks safest passage under bridge.
3690.23 C 1532.6	--Center of bridge, N. side	55° 20.5' N 11° 02.1' E	FI.R. period 3s fl. 0.7s, ec. 2.3s	233 71	7		Visible 89°18'-270°42' Shown 24 hours. Sync with 3690.2.
3690.3 C 1532.61	-E. channel, S. side	55° 20.6' N 11° 02.8' E	FI.R. period 3s fl. 0.7s, ec. 2.3s	217 66	7		Visible 270°42'-89°18' Shown 24 hours. Sync with 3690.33.
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'-14°18' Marks best passage for N. going traffic. Shown 24 hours. Sync with 3690.32.
	RACON		M(- -)				Only visible on S. side of bridge.(3 & 10 cm).
3690.32 C 1532.609	--- Rear, 000° from front	55° 20.6' N 11° 02.5' E	3F.W. (vert.)	312 952 95 902 79 85	6		Visible 269°18'-89°18' Shown 24 hours. Sync with 3690.31.
3690.33 C 1532.601	--Center of bridge, S. side	55° 20.5' N 11° 02.1' E	FI.G. period 3s fl. 0.7s, ec. 2.3s	233 71	7		Visible 270°42'-89°18' Shown 24 hours. Sync with 3690.3.
3692 C 1534	Osterrenden S., E28	55° 19.5' N 11° 02.8' E	FI.(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 & 10 cm).
	HALSSKOV:						
3716	-Ferry Pier, W. head	55° 21.0' N 11° 07.0' E	FI.G. period 5s fl. 0.5s, ec. 4.5s	20 6		Grey metal mast; 3.	
	KORSOR HAVN:						
3724 C 1544	-Entrance Range, front	55° 20.1' N 11° 08.2' E	F.R.	30 9	10	Grey column, orange triangle, point up daymark; 36.	Visible 68°-80° 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	Grey column, orange triangle, point down daymark; 56.	Visible 68°-80° Shown 24 hours.
3732 C 1545.4	-Detached breakwater, N. head	55° 20.0' N 11° 07.0' E	FI.G. period 3s	16 5	4	Latticed 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	Latticed structure, grey base; 7.	
3740 C 1545	-Lygtepulle, breakwater, N. head	55° 20.1' N 11° 07.4' E	FI.R. period 3s	16 5	4	Latticed structure; 7.	Fog light on mole.
3744 C 1552	-Korsor Yachthaven	55° 19.7' N 11° 07.7' E	FI.R. period 3s	16 5	4	Red post.	
3748 C 1553	--S. mole, N. head	55° 19.7' N 11° 07.8' E	FI.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(-)				Racon on each side of bridge mark center of channel.(3 & 10 cm).
3752 C 1556	Knudshoved	55° 17.4' N 10° 51.1' E	Oc.W.R.G. period 10s fl. 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. -3°30', R. Partially obscured 72°-80° ~095°..
	NYBORG FJORD:						

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-STORE BAELT (GREAT BELT)							
3772 C 1562	-Slipshavn, on point	55° 17.1' N 10° 49.5' E	FI.G. period 3s fl. 0.7s, ec. 2.3s	33 10	7	White latticed tower, red banded; 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 circle daymark; 30.	Visible 216°-36°.
3780 C 1564.1	--Jomfruhoj, rear, 55 meters 306° from front	55° 18.0' N 10° 46.9' E	Iso.W. period 2s	43 13	9	White beacon, white circle daymark; 16.	Visible 216°-36°.
3796 C 1572	--Dyner	55° 18.0' N 10° 47.6' E	FI.R. period 3s fl. 0.7s, ec. 2.3s	13 4	7	Dolphin; 7.	Visible 152°30'-5°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	Grey latticed structure, orange triangle, point up daymark; 10.	W. 327°54'-334°42', R. -338°12', G. -327°54' Daymark shown 24 hours.
3812 C 1566.3	--S. mole, head	55° 18.3' N 10° 47.4' E	F.R.	16 5	4	Grey post; 7.	
3820 C 1578	--W. side of entrance of Vester Havn, outer mole, E. head	55° 18.4' N 10° 47.5' E	F.R.	16 5	4	Post; 13.	
3830 C 1532	-Sprogo Harbor, S. mole	55° 19.8' N 10° 58.2' E	FI.R. period 3s fl. 0.7s, ec. 2.3s	16 5	4	Grey mast; 26.	Flood light.
3832 C 1588	Lundeborg Havn	55° 08.3' N 10° 47.3' E	F.G.	16 5		White post.	
SVENDBORG SUND:							
3836 C 1590	-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 banded; 26.	G. 188°-215°, W. -14°, R. -29°.
3840 C 1634	-Taasinge Range, front	55° 01.7' N 10° 39.4' E	Iso.R. period 2s	36 11	14	Red latticed mast, white stripe, red triangle, point up daymark.	Visible 279°-287° Shown 24 hours, Sep. 1 to Apr. 1.
3844 C 1634.1	--Rear, 223 meters 283° from front	55° 01.7' N 10° 39.2' E	Iso.R. period 4s	49 15	14	Red post, white stripe, red triangle, point down daymark.	Visible 279°-287° Shown 24 hours, Sep. 1 to Apr. 1.
3848 C 1612	-Marodde	55° 02.0' N 10° 39.0' E	F.W.R.G.	13 4	W. 12 R. 9 G. 9	White post, red banded; 10.	G. 0°-59°, R. -140°, G. -151°, W. -154°, R. -164° Partially obscured 006°-008°36', Shown 24 hours, Sep. 1 to Apr. 1.
3852 C 1614	-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 banded; 10.	G. 118°-174°, W. -177°, R. -188°30', G. -221°, R. -255° Shown 24 hours, Sep. 1 to Apr. 1.
3864 C 1624	-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 C 1624.1	--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.
3876 C 1606	--N. and E., front	55° 04.0' N 10° 38.0' E	F.W.R.G.	13 4	NA W. 12 NA R. 8 NA G. 8	Red post, white stripe.	G. -84°30' 263, W. -90°30', R. -175°30' Shown 24 hours, Sep. 1 to Apr. 1.
3878 C 1606.1	--N. Range, rear, 108 meters 346° from front	55° 03.6' N 10° 38.3' E	F.G.	23 7	9	Red post, white stripe.	Shown 24 hours, Sep. 1 to Apr. 1.
3884 C 1600	--Frederikso, E. point	55° 04.0' N 10° 37.0' E	FI.R. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Post.	Shown 24 hours, Sep. 1 to Apr. 1.
3888 C 1591	-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	26 8	W. 12 R. 9 G. 9	White building, red banded, on wooden piles.	G. 53°30'-58°30', W. -60°30', R. -66° Shown 24 hours, Sep. 1 to Apr. 1.
3892 C 1594.6	-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 banded; 10.	Shown 24 hours, Sep. 1 to Apr. 1.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-STORE BAELT (GREAT BELT)							
3896 C 1594.7	--Rear, 203 meters 061° from front	55° 03.2' N 10° 37.5' E	Iso.W. period 4s	33 10	12	White post, red banded; 30.	Shown 24 hours, Sep. 1 to Apr. 1.
3900 C 1595	-East Bratten Range, front	55° 03.0' N 10° 37.0' E	F.G.	30 9	9	White post, red banded, white triangle, point up daymark; 16.	Shown 24 hours, Sep. 1 to Apr. 1.
3904 C 1595.1	--Rear, 130 meters 205° from front	55° 02.8' N 10° 36.6' E	F.G.	49 15	9	White beacon, red banded, white triangle, point down daymark; 13.	Shown 24 hours, Sep. 1 to Apr. 1.
3908 C 1594.2	-West Bratten Range, front	55° 03.0' N 10° 36.0' E	Iso.G. period 2s	13 4	9	White post, red banded, white triangle, point up daymark; 13.	Shown 24 hours, Sep. 1 to Apr. 1.
3912 C 1594.3	--Rear, 152 meters 068°30' from front	55° 02.8' N 10° 36.5' E	Iso.G. period 4s	26 8	8	White beacon, red banded, white triangle, point down daymark; 16.	Shown 24 hours, Sep. 1 to Apr. 1.
3916 C 1594	-Tankefuld Range, front	55° 02.0' N 10° 34.0' E	F.R.	10 3	7	White post, red banded; 10.	Shown 24 hours, Sep. 1 to Apr. 1.
3920 C 1594.1	--Rear, 56 meters 269° from front	55° 02.4' N 10° 33.9' E	F.R.	16 5	7	White post, red banded; 16.	Shown 24 hours, Sep. 1 to Apr. 1.
3924 C 1022	-Baekkehave, NW. side of Tassinge	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 building, red banded; 20.	G. 95°-100°, W. -105°, R. - 107° Shown 24 hours, Sep. 1 to Apr. 1.
3924.5 C 1594.13	-Vesterron, E. mole	55° 02.0' N 10° 32.0' E	F.G.	10 3	3	Grey mast; 10.	Flood light.
3924.7 C 1594.17	-Ratzausminde	55° 02.0' N 10° 32.5' E	FI.G. period 3s fl. 0.7s, ec. 2.3s	13 4	3	Green mast; 13.	Shown 24 hours, Sep. 1 to Apr. 1.
3925 C 1594.15	-Rantzavsminde	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 C 1020.5	-Ballen	55° 02.0' N 10° 28.0' E	F.R.	16 5	2	Red mast; 13.	Flood light.
3927 C 1021.4	-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 C 1021.41	--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 & 10 cm).
3932 C 1673.3	-Hojbjerg E	54° 52.7' N 10° 50.0' E	FI.R.G. period 5s fl. 1s, ec. 4s	33 10	8	Green round metal mast, platform.	R. 2°30'-201°, G. -2°30'. Flood light.
	RACON		G(---)				(3 & 10 cm).
3936 C 1671	-Spodsbjaerg Ferry Harbor	54° 56.1' N 10° 50.2' E	FI.G. period 3s	16 5	2	White metal tower; 10.	Fog detector light.
3940 C 1671.7	--Range, front	54° 56.1' N 10° 50.0' E	F.R.	23 7	4	Grey latticed tower, red triangle, point up daymark; 33.	
3944 C 1671.71	---Rear, 95 meters 286°30' from front	54° 56.1' N 10° 49.9' E	F.R.	30 9	4	Grey latticed tower, red triangle, point down daymark; 33.	
3948 C 1671.65	--Fishing harbor, N. pier, head	54° 56.0' N 10° 50.1' E	F.G.	16 5	4	Grey round mast; 16.	Flood light.
3952 C 1673	-Spodsbjerg SE	54° 55.2' N 10° 50.6' E	FI.W.R.G. period 3s fl. 0.7s, ec. 2.3s	33 10	W. 11 R. 8 G. 7	Yellow metal mast; 33.	R. 1°30'-217°, G. -231°, W. - 235°, R. -240°, G. -1°30'.

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DENMARK-STORE BAELT (GREAT BELT)							
3956 C 1672.5	-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 round mast, green lantern, platform.	R. 9°30'-179°, G. -9°30'.
	RACON		K(- • -)				(3 & 10 cm).
3960 C 1672	-Langlandsbaelt 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, bridge pylon; 33.	R. 1°30'-180°, G. -1°30' Range 4M by day. Sync with 3960.1.
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 banded; 39.	R. 210°-226°30', G. -232°30', W. -237°, R. -308°30', G. -341°, W. -346°, R. -10°.
3968 C 1656	-Frankelint	55° 09.6' N 10° 55.9' E	Oc.R.G. period 5s lt. 4s, ec. 1s	52 16	8	White building; 13.	G. 39°-47°, R. -151°, G. -178°, R. -219°.
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. 31°-95°, W. -101°, R. -182°, Partially obscured 31°-46°.
3976 C 1660	--Outer breakwater, head	55° 08.0' N 10° 54.0' E	F.R.			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	Grey mast; 16.	Visible 52°6'-192°6' Shown Apr. 1 to Nov. 15. Seasonal.
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 52°6'-192°6' Shown Apr. 1 to Nov. 15. Seasonal.
	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 triangle, point up daymark 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	Grey latticed tower, red triangle, point down daymark 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 triangle, point up daymark 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	Grey latticed tower, white triangle, point down daymark orange border; 43.	
4008 C 1690	-N. mole Range, front	54° 56.4' N 10° 42.3' E	F.R.	23 7	4	Grey mast, red triangle, point up daymark; 16.	
4012 C 1690.1	--Rear, 214 meters 188°42' from front	54° 56.2' N 10° 42.3' E	F.R.	46 14	4	Grey post, red triangle, point down daymark; 39.	
4016 C 1702	--S. Channel Range, front	54° 56.3' N 10° 42.2' E	F.R.	16 5	4	Grey post, red triangle, point up daymark; 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	F.R.	26 8	4	Square mast, red triangle, point down daymark; 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	Grey mast, red triangle, point up daymark 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	Grey latticed tower, red triangle, point down daymark 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 tripodal metal, red banded; 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 latticed tower, red banded; 56.	Visible 107°-113° Shown 24 hours.
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	Latticed tower; 33.	G. 101°36'-108°18', W. -115°, R. -121°36'. Occasional.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-STORE BAELT (GREAT BELT)							
4056 C 1650	Gedehave, Range, front	55° 14.7' N 11° 14.4' E	F.R.	13 4	4	Mast, white triangle, point up daymark red stripe.	
4060 C 1650.1	-Rear, 153 meters 156° from front	55° 14.7' N 11° 14.5' E	F.R.	30 9	4	Mast, white triangle, point down daymark red stripe.	
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 banded, lantern; 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 tower, red banded; 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	10	White mast, red banded; 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 latticed tower, red banded; 46.	Visible 318°-324° Shown 24 hours.
4080 C 1634.6	Egholm Flak, 30	55° 15.3' N 11° 05.8' E	FI.R.G. period 3s fl. 0.8s, ec. 2.2s	33 10	R. 8 G. 7	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	W. 11 R. 8 G. 7	Green metal mast, platform; 33.	G. 157°-305°30', W. -309°, R. -314°, G. -355°, R. - 157°. Flood light.
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	W. 11 R. 8 G. 8	Red round metal mast, platform.	G. 164°-50°, W. -60°, R. - 164°.
	RACON		Z(- - • •)				(3 & 10 cm).
	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°-81°, G. -102°, W. - 105°, R. -125° Obscured by Omo 36°-64°.
4096 C 1646	-Helleholm Range, front	55° 11.5' N 11° 12.9' E	Iso.W. period 2s	23 7	13	White mast, red banded; 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 banded; 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. 8 G. 8	White latticed mast; 36.	G. 318°-328°, W. -332°, R. - 32°, G. -60° Shown 24 hours.
4116 C 1642	-N. mole	55° 12.7' N 11° 11.9' E	F.G.	13 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. -6°, 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 latticed mast; 10.	W. 146°-180°, R. -228°, Visible -146° G..
	ONSEVIG HAVN:						
4136 C 1730	-W. mole, head	54° 56.8' N 11° 06.4' E	F.R.	13 4	2	Mast; 20.	
4140 C 1726	-N. corner of harbor Range, front	54° 56.8' N 11° 06.5' E	F.G.	13 4	4	Post.	
4144 C 1726.1	--Rear, S. mole, 112 meters 158° from front	54° 56.9' N 11° 06.4' E	F.G.	26 8	4	Post.	
4148 C 1720.4	-Lango Range, front	54° 49.0' N 11° 00.0' E	F.R.	26 8	6	Red mast, orange triangle, point up daymark; 20.	Visible 161°36'-191°36'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-STORE BAELT (GREAT BELT)							
4152 C 1720.41	--Rear, 365 meters 176°36' from front	54° 49.0' N 10° 59.8' E	F.R.	33 10	6	Latticed tower, orange triangle, point down daymark; 33.	Visible 161°36'-191°36'.
4164 C 1718	-Enehoje Islet Range, front	54° 50.3' N 11° 00.9' E	Iso.W. period 2s	52 16	8	Orange tripodal, orange triangle, point up daymark; 52.	
4168 C 1718.1	--Rear, 400 meters 119°24' from front	54° 50.2' N 11° 01.2' E	Iso.W. period 4s	72 22	8	Orange latticed tower, orange triangle, point down daymark; 72.	
4168.5 C 1718.3	-Enehoje S. Range, front	54° 50.0' N 11° 01.1' E	Iso.G. period 2s	26 8	4	Piles, red triangle, point up daymark; 13.	
4168.5 C 1718.31	--Rear, 191 meters 095°30' from front	54° 50.0' N 11° 01.2' E	Iso.G. period 4s	36 11	4	Latticed tower, red triangle, point down daymark; 30.	
4170 C 1712	-Taars Ferry Range, front	54° 52.5' N 11° 01.9' E	F.R.	33 10	8	Grey latticed mast, orange triangle, point up daymark; 23.	
4171 C 1712.1	--Rear, 118 meters 085° from front	54° 52.6' N 11° 02.0' E	F.R.	46 14	8	Grey latticed mast, orange triangle, point down daymark; 49.	
4172 C 1719	-Ramso Range, common front	54° 50.0' N 11° 02.0' E	F.W.G.	10 3	W. 8 G. 6	Concrete, base, orange triangle, point up daymark; 3.	W. 259°-274°, G. -259°.
4176 C 1718.9	--Bogo, rear, 1000 meters 131°30' from common front	54° 49.1' N 11° 02.2' E	F.G.	33 10	6	Latticed tower, orange triangle, point down daymark; 30.	
4180 C 1719.1	--Vesterroode, rear, 2.47 km. 264° from common front	54° 49.0' N 10° 59.0' E	F.W.	33 10	9	Latticed tower, orange triangle, point down daymark; 30.	Seasonal Leads through dredged channel to Barneholm. F.R. light is shown from head of E. mole at Lango Havn.
4184 C 1719.4	-Rosnaes Range, front	54° 50.0' N 11° 06.3' E	Iso.W. period 2s	13 4	4	Red post, orange triangle, point up daymark.	Visible 56°18'-71°18'.
4188 C 1719.41	--Rear, 265 meters 063°48' from front	54° 50.0' N 11° 06.5' E	Iso.W. period 4s	30 9	4	Grey latticed mast, orange triangle, point down daymark; 33.	Visible 56°18'-71°18'.
LANGELAND:							
4192 C 1706	-Keldsnor	54° 43.9' N 10° 43.3' E	Fl.(2)W. period 15s	128 39	17	White tower, red lantern.	Visible 200°-116° Partially obscured 098°-135°.
			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 C 1708	-Bagenkop Havn	54° 45.2' N 10° 40.2' E	Fl.G. period 3s	20 6	4	Green latticed mast; 33.	Flood light.
4197 C 1708.5	--E. pier, head	54° 45.2' N 10° 40.4' E	Fl.R. period 3s	20 6	4	Red latticed mast; 10.	Flood light.
4208 C 1710	--Range, front	54° 45.2' N 10° 40.4' E	Iso.W.R.G. period 4s	33 10	W. 8 R. 5 G. 5	Grey latticed tower, red triangle, point up daymark; 23.	G. 79°-99°, W. -106°, R. -126°.
4212 C 1710.1	--Rear, 102°18' from front	54° 45.2' N 10° 40.5' E	Iso.W. period 4s	43 13	6	Grey latticed tower, red triangle, point down daymark; 49.	Visible 77°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. -79°30', W. -89°30', R. -106°, G. -143°, W. -146°, R. -154°, Obscured 295°-63°.
4220 C 1723	-Range, front	54° 55.1' N 11° 21.2' E	F.R.	13 4	4	Mast, circle 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; 26.	Visible 184°30'-244°30' 2 meters apart.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-STORE BAELT (GREAT BELT)							
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°6'-272°6' 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°6'-272°6' 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	Grey post, orange triangle, point up daymark.	Visible 51°-141°.
4232 C 1742	--Rear, 120 meters 096° from front	54° 58.3' N 11° 31.1' E	F.G.	26 8	5	Grey latticed mast, orange triangle, point down daymark.	Visible 51°-141°.
4236 C 1740	-W. mole	54° 58.3' N 11° 30.8' E	F.R.	13 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 stripe; 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 triangle, point up daymark; 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 triangle, point down daymark; 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	Piles.	
4276 C 1760.5	-S. mole, head	54° 50.3' N 11° 29.6' E	Fl.R. period 3s	13 4	3	Piles.	
4280 C 1770	-Eastern Range, front	54° 50.0' N 11° 29.5' E	Iso.R. period 2s	26 8	3	Beacon, red triangle, point up daymark; 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	Grey latticed mast; 23.	G. 326°-28°30', W. -67°30', R. -90°.
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 banded; 43.	G. 50°-91°, W. -94°, R. -108°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-SMAALANDS FARVANDET							
4300 C 1800	-Orehoved Havn Range, front	54° 57.6' N 11° 51.2' E	Iso.R. period 2s	23 7	2	Post, red triangle, point up daymark.	
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 triangle, point down daymark; 36.	G. 110°-158°, W. -171°, R. -290°.
4324 C 1802	--Bridge	54° 58.5' N 11° 53.6' E	2F.W.	49 15	7	Bridge.	One on each side of bridge. Shown for inshore traffic. Seasonal.
			2F.W.	52 16	7		One on each side of bridge. Shown for inshore traffic. Seasonal.
			F.W.R.	13 4	W. 7 R. 4		W. 302°-32°, 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.
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	Tower, water; 164.	
GRONSUND:							
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 building, red banded.	G. 147°-150°, W. -152°, R. -179°.
4352 C 1857	--W. mole Range, front	54° 53.6' N 12° 02.7' E	F.G.	10 3		Post; 3.	Visible 86°-266° Marks dredged channel. Shown when harbor is clear of ice. Occasional.
4356 C 1857.1	--Rear, 130 meters 176° from front	54° 53.5' N 12° 02.7' E	F.G.	23 7		Grey latticed tower; 23.	Visible 86°-266°.
4360 C 1854	-Bogo Havn Range, front	54° 54.8' N 12° 03.1' E	F.G.	33 10			
4364 C 1854.1	--Rear, 355° from front	54° 54.8' N 12° 03.1' E	F.G.	39 12			
KALVEHAVE HAVN:							
4368 C 1844	-E. mole, head	55° 00.0' N 12° 10.0' E	F.G.	13 4	4	Post; 10.	
4372 C 1845	-SW. mole, head.	54° 59.7' N 12° 10.1' E	F.R.	13 4	4	Post; 10.	
4376 C 1846	-W. mole, head	54° 59.6' N 12° 10.1' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	13 4	4	Mast; 7.	Siren: 1bl. ev. 30s
STEGE HAVN:							
4380 C 1826	-N. Harbor	54° 59.0' N 12° 17.0' E	F.R.	7 2		White post; 3.	
4384 C 1828	--S. mole, head	54° 59.1' N 12° 16.9' E	F.G.	7 2		White post; 3.	
4392 C 1838	Nyord, W. mole	55° 02.4' N 12° 11.7' E	F.R.	10 3	4	Black mast; 7.	Occasional.
4394	Rodby Harbor Approach Buoy	54° 38.3' N 11° 19.2' E	L.Fl.W. period 10s			SAFE WATER White column, topmark, red vertical stripes.	
	RACON		-9() period 120s		10		

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-BALTIC SEA							
LOLLAND:							
4395 C 2219	-Kramnitse Havn, W. mole, head	54° 42.3' N 11° 14.9' E	Fl.R. period 3s	13 4	3	Red post.	
4396 C 2216	--Entrance Range, front	54° 39.2' N 11° 21.0' E	Iso.R. period 2s	56 17	6	Grey latticed tower, red triangle, point up daymark.	Visible 30°12' -60°12'.
4400 C 2216.1	--Rear, 300 meters 045°12' from front	54° 39.4' N 11° 21.3' E	Iso.R. period 4s	82 25	6	Grey latticed tower, red triangle, point down daymark.	Visible 30°12' -60°12'. Synchronized with front.
4404 C 2218	--W. mole, head	54° 39.0' N 11° 20.7' E	F.R.	26 8	5	Red mast; 16.	
4408 C 2218.2	--E. mole, head	54° 39.0' N 11° 20.7' E	F.G.	26 8	5	Green mast, hut; 16.	Horn: 1bl. ev. 20s
4420 C 2210	-Nysted, Skansehage, S. of harbor	54° 39.2' N 11° 44.0' E	F.W.	33 10	6	Grey latticed tower, lantern; 23.	Visible INTENSIFIED0°-5°.
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	9	Red column, lantern; 46.	Flood light. Horn: 3bl. ev. 30s (bl. 2s, si. 2s, bl. 2s, si. 2s, bl. 2s, si. 20s)
4428 C 2192	--N. head	54° 33.8' N 11° 55.9' E	Fl.R. period 3s	23 7	4	Red post, grey 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 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	Latticed mast, red triangle, point up daymark; 49.	Visible 280°30' -60°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	Latticed mast, red triangle, point down daymark; 98.	Visible 280°30' -60°30'. Synchronized with front.
4448 C 2202	-W. mole, head	54° 34.3' N 11° 55.6' E	F.R.	23 7		Grey metal post; 16.	Fog detector light.
4452 C 2203	-E. mole, head	54° 34.3' N 11° 55.6' E	F.G.	23 7		Building.	Fog detector light Bell sounded when ferries are expected.
4460 C 2180	Hesnaes Havn Range, front	54° 49.4' N 12° 08.3' E	F.R.	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	F.R.	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	46 14	W. 11 R. 9 G. 9	White building; 13.	R. 216°30' -264°, G. -290°, W. -342°, R. -7°, G. -24°.
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 triangle, point up daymark; 43.	Visible INTENSIFIED319°-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	Grey latticed tower, red triangle, point down daymark white banded; 62.	Visible INTENSIFIED319°-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	10 3	W. 10 R. 8 G. 8	White building, red banded; 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	Latticed tower, red triangle, point up daymark white banded; 23.	G. 64°-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	Latticed tower, red triangle, point up daymark white banded; 23.	Visible INTENSIFIED347°30' -359°30'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-BALTIC SEA							
4488 C 2155	--Rear, 480 meters from front	54° 53.3' N 12° 08.8' E	Iso.G. period 4s	69 21	8	Latticed tower, red triangle, point down daymark white banded; 33.	Visible 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	13 4	4	White lantern; 10.	
4508 C 2142	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°-71° in Hjelms Bay.
4512 C 2144	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 banded; 20.	G. 140°-164°, W. -280°, R. -320°.
4514	Buoy DW-79	54° 46.1' N 12° 44.1' E	Fl.(3)G. period 10s				
	RACON		Z(-- • •)				(3 & 10 cm).
	FAKSE (FAXE) HAVN:						
4528 C 2104	-Range, front	55° 13.0' N 12° 09.8' E	F.R.	26 8	3	Red post, red triangle, point up daymark; 33.	Visible 233°-98° Shown 24 hours.
4532 C 2104.1	--Rear, 111 meters from front	55° 12.8' N 12° 09.7' E	F.R.	33 10	3	Red post, red triangle, point down daymark; 46.	Visible 233°-98° Shown 24 hours.
4552 C 2098	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 banded.	
4556 C 2099	-W. mole, head	55° 15.1' N 12° 22.5' E	Fl.R. period 3s fl. 0.8s, ec. 2.2s	16 5	3	Grey conical concrete building; 7.	
4560 C 2100	-Middle mole, SE. head	55° 15.2' N 12° 22.6' E	F.R.	10 3	2	Grey post; 7.	
4564 C 2100.2	--SW., head	55° 15.2' N 12° 22.6' E	F.G.	10 3	2	Grey post; 7.	
4568 C 2100.4	-W. side of E. mole	55° 15.0' N 12° 23.0' E	F.G.	10 3	2	Grey post; 7.	
DENMARK-THE SOUND							
	GILLELEJE HAVN:						
4584 C 1867	-Outer harbor, E. mole, head	56° 07.8' N 12° 18.7' E	Fl.R. period 3s fl. 1s, ec. 2s	23 7	3	Red post, reflective; 13.	Synchronized with 4572.
4592 C 1872	Nakkehoved	56° 07.2' N 12° 20.6' E	Fl.(2)W. period 30s	177 54	20	White quadrilateral tower; 69.	
4596 C 1876	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 C 1877	-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.	Flood light.
4602 C 1881.5	Ellekilde Hage, N. Cable Range, front	56° 05.5' N 12° 29.1' E	F.R.	46 14	5	Pylon, red circle daymark white border stripe; 30.	Visible 216°18'-246°18'.
4603 C 1881.51	-Rear, 218 meters from front	56° 05.4' N 12° 29.0' E	F.W.R.(vert.)	95 29	W. 6 R. 5	Pylon, red white diamond (rhombus) daymark, white red circle daymark.	Visible 216°18'-246°18' Marks N. boundary of cable area to Sweden. 6 meters apart.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-THE SOUND							
4604 C 1881	Ellekilde Hage, S. Cable Range, front	56° 05.4' N 12° 30.0' E	F.R.	56 17	6	Pylon, red circle daymark white border stripe.	Visible 216°18'-246°18'.
4608 C 1881.1	-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, red white diamond (rhombus) daymark, white red circle daymark; 30.	Visible 216°18'-246°18' Range marks S. boundary of cable area to Sweden. 6 meters apart.
4612 C 1884	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 building, red banded; 13.	R. 258°-278°, G. -288°, W. -290°30', R. -303°.
4616 C 1900	Lappestensbatteri Cable Range, front	56° 03.0' N 12° 35.5' E	F.R.	75 23	5	Latticed tower, circle daymark; 69.	
4620 C 1900.1	-Rear, 110 meters 226°30' from front	56° 03.0' N 12° 35.4' E	F.R.W. (vert.)	105 32	5	Latticed tower, diamond (rhombus) daymark, circle daymark; 75.	Marks N. boundary of cable area to Sweden. 2 meters apart.
4624 C 1898	Lappestensbatteri Cable Range, front	56° 03.0' N 12° 35.6' E	F.R.	59 18	6	Latticed tower, circle daymark; 49.	Visible 194°-264°.
4628 C 1898.1	-Rear, 167 meters 229° from front	56° 02.9' N 12° 35.5' E	F.R.W. (vert.)	112 34	R. 6 W. 8	Latticed tower, diamond (rhombus) daymark, circle daymark; 82.	Visible 194°-264° Indicates direction of cable to Sofiero in Sweden. 2 meters apart.
4632 C 1890	Marienlyst, N. Cable Range, front	56° 02.8' N 12° 35.8' E	F.R.	79 24	5	Latticed tower, circle daymark; 59.	Visible 186°30'-296°30'.
4636 C 1890.1	-Rear, 100 meters 241°30' from front	56° 02.8' N 12° 35.7' E	F.R.W. (vert.)	125 38	R. 5 W. 7	Tower, television, diamond (rhombus) daymark, circle daymark; 279.	Visible 186°30'-296°30' Indicates direction of cable to Sweden. 2 meters apart.
4640 C 1891	Marienlyst, Middle Cable Range, front	56° 02.8' N 12° 36.0' E	F.R.	75 23	6	Latticed tower, circle daymark; 69.	Visible 206°30'-276°30'.
4644 C 1891.1	-Rear, 215 meters 241°30' from front	56° 02.7' N 12° 35.8' E	F.R.W. (vert.)	112 34	R. 6 W. 8	Latticed tower, diamond (rhombus) daymark, circle daymark; 30.	Visible 206°30'-276°30' Indicates direction of cable to Sweden. 2 meters apart.
4648 C 1894	Gronnehave Cable Range, front	56° 02.5' N 12° 36.9' E	F.R.	33 10		Mast, circle daymark; 26.	Visible 186°-296°.
4652 C 1894.1	-Rear, 240 meters 241° from front	56° 02.4' N 12° 36.7' E	F.R.W. (vert.)	56 17		Mast, diamond (rhombus) daymark, circle daymark; 52.	Visible 186°-296° Marks S. boundary of cable area to Sweden. 3 meters apart.
HELSINGOR NORDHAVN:							
4656 C 1903	-N. outer breakwater, head	56° 03.0' N 12° 37.0' E	FI.G. period 3s fl. 0.3s, ec. 2.7s	13 4	3	White tower; 7.	
4660 C 1904	-N. outer breakwater, 128 meters from head	56° 02.7' N 12° 37.1' E	FI.W. period 5s fl. 1s, ec. 4s	13 4	3	Grey post; 7.	
4664 C 1902	-S. outer breakwater, head	56° 02.6' N 12° 37.1' E	FI.R. period 3s fl. 0.7s, ec. 2.3s	13 4	3	White tower; 7.	
4668 C 1904.5	-S. inner breakwater, head	56° 02.7' N 12° 37.1' E	FI.R. period 5s fl. 1s, ec. 4s	7 2	3	Grey post; 7.	
4670	-Midchannel buoy M4	56° 03.3' N 12° 39.2' E	Iso.W. period 2s			SAFE WATER White column, topmark, red vertical stripes.	
RACON			T(-) period 30s				
4672 C 1908	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; 102.	G. 129°-137°, W. -145°, R. -161°, G. -214°, W. -311°, R. -349°, G. -352°, W. -356°, R. -17°, G. -27° Obscured in sector 337°-349° by the island of Ven. Shown 24 hours.
HELSINGOR HAVN:							

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-THE SOUND							
4676 C 1912	-S. pier, head	56° 02.1' N 12° 37.2' E	F.R.	23 7	6	Red cylindrical metal tower; 20.	Obscured 219° when bearing less than. Flood light.
4684 C 1914	-N. mole, head	56° 02.1' N 12° 37.2' E	F.G.	23 7	6	Green cylindrical tower; 20.	Flood light.
4692 C 1916	Snekkersten Havn, S. mole, head	56° 00.5' N 12° 35.4' E	F.R.	13 4	3	Post.	
4696 C 1918	Espergaerde Havn, S. mole, head	55° 59.5' N 12° 33.8' E	F.R.	10 3	4	White octagonal building.	Visible 172°-325°.
4700 C 1920	Humblebaek Havn, S. mole, head	55° 58.3' N 12° 32.8' E	F.R.	23 7	2	White post.	
4704 C 1924	Sletten Havn, S. mole, head	55° 57.2' N 12° 32.3' E	FI.R. period 3s fl. 0.8s, ec. 2.2s	13 4	4	White post; 10.	
4706 C 1925	Niva, S. mole, head	55° 56.4' N 12° 31.8' E	F.R.	13 4	4	Red post; 7.	Flood light.
4708 C 1926	Rungsted Havn, new S. mole, head	55° 53.2' N 12° 33.0' E	FI.R. period 3s fl. 0.8s, ec. 2.2s	20 6	6	Red post; 16.	
4712 C 1940	Vedback Havn, E. mole, head	55° 51.0' N 12° 34.4' E	FI.R. period 3s fl. 0.8s, ec. 2.2s	16 5	4	Red post; 7.	
4713 C 1938	-W. mole, head	55° 51.0' N 12° 34.4' E	FI.G. period 3s fl. 0.8s, ec. 2.2s	16 5	4	Green post; 7.	
4716 C 1942	Taarbaek Havn, S. mole, head	55° 47.2' N 12° 35.8' E	F.R.	16 5		Grey post; 13.	
SKOVSHOVED HAVN:							
4720 C 1945.4	-Breakwater, N. head	55° 46.0' N 12° 36.0' E	FI.R. period 3s	16 5	4	Grey post; 10.	Shown 24 hours.
4728 C 1946	-N. mole, head	55° 46.0' N 12° 36.0' E	F.G.	20 6	5	Grey post; 10.	Shown 24 hours.
4732 C 1948	-S. mole, head	55° 46.0' N 12° 36.0' E	F.R.	20 6	5	Grey post; 10.	Shown 24 hours.
4736 C 1950	Hellerup, E. mole, head	55° 43.9' N 12° 34.9' E	FI.G. period 3s fl. 0.8s, ec. 2.2s	16 5	4	Green lighthouse, copper roof; 13.	Visible 180°-90°.
KOBENHAVN (COPENHAGEN):							
4760 C 1964	-Middlegrunds Fort, W	55° 43.3' N 12° 39.9' E	Iso.W.R.G. period 8s	36 11	8	Orange lighthouse.	R. 5°-69°, G. -128°, R. -173°, G. -184°, W. -193°, R. - 225° Shown 24 hours.
4764 C 1965	--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. - 56° Shown 24 hours.
4768 C 1966	-E. mole, head	55° 43.2' N 12° 40.0' E	F.G.	7 2	2	Post.	
4772 C 1967	-W. mole, head	55° 43.1' N 12° 39.9' E	F.R.	7 2	2	Post.	
4776 C 1968	-Quay wall, entrance Range, front	55° 43.0' N 12° 40.0' E	F.W.	16 5	3	Beacon, white triangle, point up daymark.	Occasional Shown when a vessel is expected.
4780 C 1968.1	--Rear, 12 meters 000° from front	55° 43.2' N 12° 40.0' E	F.W.	20 6	3	Beacon, white triangle, point down daymark.	Occasional Shown when a vessel is expected. Synchronized with front.
4784 C 1976	-Svanemollehavn, N. breakwater, head	55° 43.1' N 12° 35.5' E	FI.G. period 5s fl. 1s, ec. 4s	16 5	4	Green tower; 10.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-THE SOUND							
4796 C 1977	--E. mole, SE. Range, front	55° 43.2' N 12° 35.7' E	Iso.R. period 2s	16 5	11	Red building, white banded.	Visible INTENSIFIED 205°30'- 210°30' Shown 24 hours, Oct. 1 to Mar. 31.
4800 C 1977.1	--Rear, 955 meters 208°06' from front	55° 42.7' N 12° 35.3' E	Iso.R. period 4s	39 12	11	Mast.	Visible INTENSIFIED 205°30'- 210°30' Shown 24 hours Oct. 1 to Mar. 1.
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°. Shown 24 hours.
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 banded; 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	Latticed 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	Latticed 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 building.	
4832 C 1986	--Lynetelobet, N. breakwater, S. head	55° 41.9' N 12° 37.0' E	Iso.W.R.G. period 4s	20 6	W. 4 R. 3 G. 3	Metal tower, framework; 20.	W. 81°-89°, R. -94°, G. -263°, W. -269°30', R. -278°, G. - 81° Obscured 287°- 291°. 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.	10 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°6'-209°6' 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°6'-209°6'.
4848 C 2006	--Bomlobet, E. side	55° 41.3' N 12° 36.1' E	Iso.R. period 4s	10 3	3	Post; 23.	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. 34°18'-36°12', W. -37°24' R..
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 banded, white triangle, point up daymark red banded; 7.	Visible 216°-56°.
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 triangle, point down daymark red banded.	Visible 216°-56°.
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 latticed tower, red band, white hut; 26.	G. 175°-178°12', W. - 180°18', R. -182°6', 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 latticed tower, red triangle, point up daymark; 39.	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							
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 latticed tower, red triangle, point down daymark; 56.	Visible 219°54'-249°54'.
4924 C 2026	-N. detached breakwater, E. head	55° 40.8' N 12° 38.4' E	FI.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	FI.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 fl. 1s, ec. 1s	46 14	W. 17 R. 13 G. 13	Round tower.	R. 140°-157°30', G. - 176°30', W. -181°, R. - 186°, G. -30°30' Shown 24 hours.
RACON			M(- -)	(3 & 10 cm).			
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 fl. 2s, ec. 2s lt. 5s, ec. 2s	59 18	W. 18 R. 13 G. 13	White square tower, red banded, grey base; 66.	W. 357°30'-9° ~, R. -21°, G. - 28°30', W. -71°, R. - 256°30', G. -357°30', Partially obscured 219°- 231° Shown 24 hours. PILOT STATION. Horn: Mo.(U) ev. 30s (bl. 1s, si. 1s, bl. 1s, si. 1s, bl. 2s, si. 24s)
RACON			X(- • • -)	PILOT STATION.(3 & 10 cm). Horn: Mo.(U) ev. 30s (bl. 1s, si. 1s, bl. 1s, si. 1s, bl. 2s, si. 24s)			
AMAGER:							
4944 C 2040	-Sundby Yacht Club, Harbor Range, front	55° 39.9' N 12° 38.1' E	F.R.	16 5		White beacon, red triangle, point up daymark; 16.	
4948 C 2040.1	--Rear, 155 meters 252° from front	55° 39.9' N 12° 38.0' E	F.R.	33 10		White beacon, red triangle, point down daymark; 16.	
4964 C 2044	-Kastrup Strandpark, S. mole, head	55° 38.6' N 12° 39.2' E	FI.R. period 3s fl. 0.8s, ec. 2.2s	13 4	4	Red column; 7.	Floodlights show mole heads.
4968 C 2044.2	--N. mole, head	55° 38.6' N 12° 39.1' E	FI.G. period 3s fl. 0.8s, ec. 2.2s	13 4	4	Green column; 7.	
4980 C 2046	--N. pier, head	55° 38.2' N 12° 39.5' E	F.G.	10 3	4	Green post; 7.	
4996 C 2054	--S. pier, head	55° 35.7' N 12° 40.9' E	F.			Grey 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 triangle, point up daymark; 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 triangle, point down daymark; 23.	Synchronized with front.
5008 C 2056	--Range, front	55° 35.6' N 12° 40.8' E	Iso.W. period 4s	49 15	6	Grey mast, red triangle, point up daymark; 43.	Visible 208°30'-248°30' Shown 24 hours in reduced visibility.
5012 C 2056.01	--Rear, 187 meters 227°54' from front	55° 35.5' N 12° 40.7' E	Iso.W. period 4s	82 25	6	Grey mast, red triangle, point down daymark; 75.	Visible 208°30'-248°30' Shown 24 hours in reduced visibility. Synchronized with front.
5016 C 2056.4	-N. pier, head	55° 35.7' N 12° 40.9' E	FI.G. period 3s fl. 0.3s, ec. 2.7s	26 8	4	Grey pedestal; 7.	
5020 C 2056.6	-E. pier, head	55° 35.6' N 12° 41.0' E	FI.R. period 3s fl. 0.3s, ec. 2.7s	26 8	4	Grey pedestal; 7.	
5024 C 2057	-NE. mole, head	55° 35.0' N 12° 41.0' E	FI.R. period 5s fl. 1s, ec. 4s	10 3	3	Grey post, concrete base; 7.	Seasonal Shown Apr. 1 to Nov. 15.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-THE SOUND							
5028 C 2057.2	-Ferry Harbor, E. mole	55° 35.0' N 12° 41.0' E	FI.G. period 5s fl. 1s, ec. 4s	10 3	3	Grey post, concrete base; 7.	Seasonal Shown Apr. 1 to Nov. 15.
5030 C 2065	-Avedore Harbor, W. mole	55° 35.9' N 12° 29.1' E	F.R.	30 9	4	Grey metal mast; 26.	
5030.3 C 2065.4	-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	Grey metal tower; 115.	G. 351°15'-355°, W. -357°30', R. -1°15' Range 2/1M by day. with 5030.6. Shown 24 hours.
5030.6 C 2065.6	-W. Sector	55° 36.2' N 12° 29.1' E	Dir.F.W.R.G. period 10s	125 38	W. 6 R. 5 G. 5	Grey metal tower; 115.	G. 348°45'-352°30', W. -355°, R. -358°45' Range 2/1M by day. Shown 24 hours. Synchronized with 5030.6.
5031 C 2069	-AVIATION LIGHT	55° 36.1' N 12° 28.7' E	2FI.W. (vert.) period 2s	489 149	12	Chimney.	Shown 24 hours. 76 meters apart.
KALVEBOD:							
5032 C 2068	-S. Range, front	55° 36.7' N 12° 30.5' E	Iso.W. period 2s	16 5	8	Mast, red triangle, point up daymark.	Visible 358°54'-25°54'.
5036 C 2068.1	--Rear, 012°24' from front	55° 36.8' N 12° 30.6' E	Iso.W. period 4s	30 9	8	Mast, red triangle, point down daymark.	Visible 358°54'-25°54'.
5040 C 2082	Mosedede Havn, N. mole, head	55° 34.0' N 12° 17.3' E	FI.G. period 3s fl. 0.8s, ec. 2.2s	13 4	2	White pedestal; 7.	
5044 C 2083	-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 C 2089	-S. mole, head	55° 27.0' N 12° 12.0' E	FI.R. period 3s fl. 0.8s, ec. 2.2s	13 4	3	Red lantern; 7.	Shown 24 hours.
5068 C 2089.5	-N. mole, head	55° 27.3' N 12° 12.2' E	FI.G. period 3s fl. 0.8s, ec. 2.2s	13 4	3	Green pedestal, oval; 7.	Shown 24 hours.
5080 C 2094	Stevns Klint	55° 17.4' N 12° 27.2' E	L.FI.W. period 25s fl. 3.2s, ec. 21.8s	210 64	21	White round tower; 85.	
SWEDEN-THE SOUND							
5084 C 2260	Kullen	56° 18.1' N 12° 27.1' E	FI.W. period 5s fl. 0.3s, ec. 4.7s	256 78	27	Grey tower, yellow house; 49.	Visible 332°30'-249°30' Shown by day Nov. 1 to Mar. 31.
5088 C 2262	Kullen Vastra, foot of Kullaberg	56° 18.1' N 12° 26.8' E	Oc.(3)W. period 20s	39 12	6	White lantern.	
5092 C 2264	Molle, outer mole, head	56° 17.0' N 12° 29.5' E	FI.(2)W.R.G. period 6s	20 6	W. 8 R. 5 G. 4	White pedestal, red banded.	G. 356°-107°, W. -116°, R. -180°, W. -335°, R. -356°.
5096 C 2265	Molle Hamn Range, front	56° 17.0' N 12° 29.7' E	F.R.	30 9	3	Column, orange triangle, point up daymark.	
5100 C 2265.1	-Rear, 23 meters 113° from front	56° 17.0' N 12° 29.8' E	F.R.	33 10	3	Column, orange triangle, point down daymark.	
5104 C 2266	Nyhamnslage, NNW. of Hoganäs	56° 14.6' N 12° 31.9' E	FI.(3)W.R.G. period 9s	20 6	W. 8 R. 6 G. 5	Post.	R. 330°-10°30', G. -44°30', W. -55°12', R. -104°36', G. -124°54', W. -137°12', R. -145°.
HOGANÄS:							
5108 C 2268	-Pier, head	56° 11.8' N 12° 32.5' E	Oc.(2)W.R.G. period 8s	39 12	W. 9 R. 7 G. 6	White tower, red banded; 33.	G. 359°-90°6', W. -97°30', R. -147°30'. Flood light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-THE SOUND							
5112 C 2269	-Range, E. side, front	56° 11.8' N 12° 33.3' E	Iso.W. period 3s	52 16	10	Column, red white triangle, point up daymark.	
5116 C 2269.1	--Rear, 750 meters 092°54' from front	56° 11.8' N 12° 33.4' E	Iso.W. period 3s	69 21	10	Column, red white triangle, point down daymark.	with front. Synchronized Synchronized with front.
5120 C 2270	Lerberget, N. pier, head	56° 10.6' N 12° 33.2' E	Fl.W. period 3s	10 3	6	Post, white lantern.	Seasonal 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	79 24	W. 8 R. 17 G. 14		G. UNINTENSIFIED314°54' - 329°, G. -334°, W. -80°, R. -95°, G. -104°, W. - 150°6', R. -157°6', G. - 162°, G. UNINTENSIFIED- 188°18', W. UNINTENSIFIED- 314°54'. Flood light Helicopter Platform.
	RACON		B(- · · ·)		15		(3 & 10 cm).
5128 C 2276	-Viken, pier, head	56° 08.4' N 12° 34.6' E	Q.W.R.G.	26 8	W. 10 R. 7 G. 6	White lantern.	G. 310°-359°48', W. -68°42', R. -106°6', 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 triangle, point up daymark red border stripe.	
5130.1 C 2276.81	--Rear, 275 meters 052° from front	56° 08.4' N 12° 35.5' E	Iso.R. period 6s	82 25	7	Pylon, white triangle, point down daymark red border stripe.	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	Latticed tower, white triangle, point up daymark red border stripe.	
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	Latticed tower, white triangle, point down daymark red border stripe.	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, lantern.	G. 335°-19°54', W. -30°12', R. -60°12', G. -90°, W. - 120°6', R. -144°42'. Flood light.
5144 C 2278	-Sofiero, front	56° 05.1' N 12° 39.3' E	Iso.R. period 4s	72 22	7	Beacon, white diamond (rhombus) daymark.	Visible in line of range (vorlo)
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 (rhombus) daymark.	Visible in line of range (vorlo) 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 triangle, point up daymark red border stripe.	Visible in line of range (vorlo) Marks S. cable. 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	187 57	7	Mast, white triangle, point down daymark red border stripe.	Visible in line of range (vorlo) 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. -11°42', R. -59°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°-58°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 triangle, point up daymark.	Visible in line of range (vorlo) 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	Latticed tower, red triangle, point down daymark.	Visible in line of range (vorlo) 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	89 27	12	Latticed tower, red triangle, point up daymark white stripe.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-THE SOUND							
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	Latticed tower, red triangle, point down daymark 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	49 15	12	Red latticed mast.	Flood light Synchronized with 5199.
5199 C 2305.4	--E. breakwater, head	56° 01.6' N 12° 41.6' E	Fl.(3)G. period 10s	49 15	10	Green latticed mast.	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.	26 8	8	Red lantern.	Flood light.
5204 C 2292	-Detached breakwater No 3, N. head	56° 02.4' N 12° 41.1' E	Q.G.	26 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	26 8	8	Red lantern.	
5212 C 2296	-Pier No 1, N. head	56° 02.4' N 12° 41.3' E	Iso.G. period 3s	26 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 triangle, point up daymark black banded.	
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 (rhombus) daymark black banded.	
5216 C 2306	-Sydhamn Range, front	56° 01.5' N 12° 41.9' E	Iso.W. period 3s	72 22	12	White latticed tower, yellow triangle, point up daymark red border stripe.	Visible in line of range (vorlo) 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 latticed tower, yellow triangle, point down daymark red border stripe.	Visible in line of range (vorlo) 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 latticed tower.	Shown by day Nov. 1 to Mar. 31. Flood light.
5228 C 2308	-Head of mole E. side of entrance	56° 01.1' N 12° 41.9' E	Q.G.	39 12	6	Green latticed tower.	Shown by day Nov. 1 to Mar. 31. Flood light.
5230 C 2314	-Outfall range, front	56° 00.7' N 12° 42.3' E	F.R.	20 6	5	White triangle, point up daymark red border stripe.	
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 triangle, point down daymark red border stripe.	
	-Bulksamnen:						
5232 C 2311	--Entrance range, front	56° 00.5' N 12° 42.5' E	Oc.W. period 4s	89 27	15	Conveyor, belt, orange triangle, point up daymark white border stripe.	Visible in line of range (vorlo) 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 triangle, point down daymark white border stripe.	Visible in line of range (vorlo) 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 triangle, point up daymark.	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 triangle, point down daymark.	Shown by day Nov. 1 to Mar. 31.
5248 C 2313	--W. side range, front	56° 00.4' N 12° 42.5' E	F.R.	49 15	11	Conveyor, belt, red triangle, point up daymark.	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	2Iso.R. (vert.) period 2s	89 27	11	Conveyor, belt.	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	Grey beacon; 16.	Shown by day Nov. 1 to Mar. 31. Flood light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-THE SOUND							
5260 C 2309	--W. mole, head	56° 00.3' N 12° 42.4' E	FI.R. period 3s	16 5	6	Metal tower, framework.	Shown by day Nov. 1 to Mar. 31. Flood light.
5264 C 2316	Raa, head of pier	55° 59.5' N 12° 44.5' E	Q.W.R.G.	23 7	W. 9 R. 6 G. 5	Latticed tower, white lantern.	G. 304°-2°, W. -75°, 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	FI.W. period 3s	16 5	3	White metal 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. 16 R. 7 G. 12	White tower, buildings; 39.	R. 135°48'-148°54', G. - 162°, W. -170°36', R. - 311°12', G. -343°6', W. - 350°30', R. -4°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 white diamond (rhombus) daymark.	Visible in line of range (vorlo) . Range indicates cable and pipeline crossing.
5280 C 1932	-Vens Sodra Udde	55° 53.5' N 12° 42.7' E	FI.(2)W.R.G. period 6s	115 35	8	White tower, red banded; 26.	G. 254°12'-265°24', W. - 286°42', R. -332°, G. - 347°24', W. -1°42', R. - 70°.
5284 C 1928	-Ven, NW. point of island	55° 55.1' N 12° 40.0' E	L.FI.W.R.G. period 10s fl. 2s, ec. 8s	79 24	W. 16 R. 13 G. 12	White tower, red banded; 26.	G. 0°-84°, 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. 13 R. 10 G. 9	White tower.	G. 321°6'-332°, W. -45°24', R. -74°24', G. -92°36', W. -102°30', R. -131°42', G. -156°54', W. -321°6', Partially obscured 158°- 321°.
5290 C 2320	Rustningshamn cable Range, front	55° 55.6' N 12° 47.5' E	F.R.	33 10	8	Post, red white diamond (rhombus) daymark.	Visible in line of range (vorlo) . 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 white diamond (rhombus) daymark.	Visible in line of range (vorlo) .
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	23 7	NA W. 10 NA R. 7 NA G. 6	White pedestal.	R. 355°30'-25°30', G. - 45°42', W. -152°54', R. - 157°54', Obscured - 200°36', R. -320°6'.
LANDSKRONA:							
5296 C 2326	-Grasrannan	55° 51.7' N 12° 47.7' E	Oc.(2)W.R.G. period 7s	13 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. -1°30'.
RACON			G(- - •)		8		(3 & 10 cm).
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 (rhombus) daymark.	Visible 84°-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 & 10 cm).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-THE SOUND							
5312 C 2332	-Entrance channel, N. side range, common front	55° 52.0' N 12° 49.0' E	Oc.W.R.G. period 4s	20 6	W. 11 R. 9 G. 7	White building, red, white triangle, point up daymark orange border stripe.	G. 96°30'-122°12', W. - 125°48', R. -96°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 (rhombus) daymark.	Visible 84°-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	Grey column, white triangle, point down daymark orange border stripe.	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 & 10 cm).
5320 C 2336	Pinhattan	55° 45.2' N 12° 51.9' E	L.FI.W.R.G. period 8s fl. 2s, ec. 6s	39 12	W. 14 R. 11 G. 10	Orange tower, black top, white lantern; 43.	G. 313°48'-336°, W. -338°6', R. -0°24', G. -78°, W. - 83°6', R. -96°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 & 10 cm).
	BARSEBACKSHAMN:						
5324 C 2338	-Head of N. mole, front	55° 45.4' N 12° 54.1' E	Iso.R.G. period 4s	16 5	R. 6 G. 5	White pedestal, black stripe.	G. 31°30'-70°, R. -31°30'.
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 triangle, point down daymark.	Visible in line of range (vorlo)
5332 C 2340	-Barsebackverket, entrance range, front	55° 44.6' N 12° 55.5' E	F.R.	20 6	9	Mast, orange triangle, point up daymark.	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 triangle, point down daymark.	Occasional.
5340 C 2346	-Vikhog, harbor mole, head	55° 43.6' N 12° 57.5' E	F.W.R.G.	13 4	W. 7 R. 5 G. 4	White lantern.	G. 260°-3°, W. -57°, R. -185° Fishing light.
5344 C 2348	-Lomma, N. pier, head	55° 40.6' N 13° 03.3' E	FI.W.R.G. period 3s	26 8	W. 6 R. 4 G. 3	Red mast, white lantern; 16.	G. 305°-50°, W. -95°, 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	Grey latticed tower, orange triangle, point up daymark.	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	Grey latticed tower, orange triangle, point down daymark.	Synchronized with rear shoulder lights.
	MALMO HAMN:						
5360 C 2360	-W. Hulkajen, front	55° 37.0' N 12° 59.7' E	Oc.W. period 5s	43 13	18	White tower, red triangle, point up daymark; 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 latticed tower, red triangle, point down daymark; 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 tower, white diamond (rhombus) daymark orange border stripe; 30.	Visible in line of range (vorlo) 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 tower, white diamond (rhombus) daymark orange border stripe; 39.	Visible in line of range (vorlo)

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-THE SOUND							
5376 C 2358	-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.	W. 54°30' -56°30', R. -67°, G. -77°30', W. -90°, R. -129°, G. -136°30', W. -151°, R. -206°, G. -223°, G. UNINTENSIFIED-276°6', W. UNINTENSIFIED-285°30', R. UNINTENSIFIED-329°, G. UNINTENSIFIED-41°30' Shown by day Nov. 1 to Mar. 31. Flood light.
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	23 7	W. 7 R. 5 G. 4	White latticed tower.	G. 147°-174°, W. -226°30', R. -244°42', G. -294°12', W. -299°48', R. -9°. Flood light.
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 triangle, point up daymark; 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 triangle, point down daymark.	
5396 C 2374	--Range, front	55° 36.9' N 13° 00.4' E	Iso.W. period 4s	79 24	15	Building, orange triangle, point up daymark.	
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 tower, orange diamond (rhombus) daymark; 98.	
5404 C 2372	--FH 4, N. side of entrance	55° 37.1' N 12° 59.8' E	Q.R.	13 4	5	White pedestal.	Visible 275°30'-115°30'. Flood light.
5408 C 2370	--FH 3 pier, head	55° 37.1' N 12° 59.8' E	Q.G.	23 7	4	White pedestal.	Visible 116°-300'. Flood light.
5412 C 2378	--Entrance range, front	55° 37.5' N 13° 01.2' E	Oc.W. period 3s lt. 2.5s, ec. 0.5s	39 12	12	White metal tower, orange diamond (rhombus) daymark.	
5416 C 2378.1	--Rear, 200 meters 082°30' from front	55° 37.6' N 13° 01.4' E	Oc.W. period 3s	66 20	12	White metal tower, orange diamond (rhombus) daymark.	Synchronized with front.
5420 C 2384	--Industrihamnen	55° 37.4' N 13° 01.9' E	Oc.W.R.G. period 3s	79 24	W. 9 R. 6 G. 5	White metal tower, red banded; 164.	G. 84°-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 banded, base.	G. 3°-113°, W. -122°, R. -175°.
5433 C 2357.2	--Sodra	55° 36.6' N 12° 58.3' E	F.G.				
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. 13 G. 11	White tower, red banded.	G. 146°-217°, W. -274°, R. -146° Channel marked by lighted beacons. Flood light.
	RACON		C(- • - •)		14		(3 & 10 cm).
5482 C 2349.32	-Oresund Bridge, NW	55° 34.5' N 12° 49.6' E	F.W.R.G.	226 69	9	Pole on bridge path.	G. 218°18'-220°, W. -220°54', R. -222°.
	RACON		T(-)		24		(3 & 10 cm).
5482.1 C 2349.31	--SW	55° 34.5' N 12° 49.5' E	Iso.W. period 4s	226 69	9	Post, on bridge path.	W. 40°-42°.
5483 C 2349.36	--NE	55° 34.5' N 12° 49.7' E	Iso.W. period 4s	253 77	9		W. 220°-223°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-THE SOUND							
5483.1 C 2349.35	--SE RACON	55° 34.5' N 12° 49.7' E	F.W.R.G. T(-)	226 69	9	Pole on bridge path.	R. 38°42'-40°12', W. -41°6', G. -42°18'.
					24		(3 & 10 cm).
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.	Flood light.
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.	Flood light.
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 banded.	Flood light.
5492 C 2349.17	-Flintrannan, No 7	55° 35.4' N 12° 50.7' E	Iso.G. period 4s	39 12	8	White structure, green stripe.	Flood light.
5493 C 2350.5	--No. 6	55° 35.2' N 12° 51.0' E	Iso.R. period 4s	36 11	8	White tower, red banded.	Flood light.
5494 C 2349.5	--SW. entrance to channel RACON	55° 31.1' N 12° 44.7' E	Oc.(2)W.R.G. period 8s C(- - -)	36 11	W. 16 R. 12 G. 11	White tower, red banded.	W. 14°-129°, R. -337°, G. - 14°. Flood light.
					14		(3 & 10 cm).
5495 C 235	Sodra Lillgrund	55° 30.0' N 12° 45.9' E	Fl.Y. period 3s fl. 0.3s, ec. 2.7s F.R.	33 10	5	Mast; 213.	
				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	NA W. 8 NA R. 6 NA G. 5	Green tower, white top, white lantern; 34.	R. 19°-57° Reserve light. Radar reflector, G. -64°, W. -69°, R. -132°, G. - 145°, W. -149°, R. -163°. Flood light.
	RACON		N(- ·)		12		(3 & 10 cm).
5504 C 2403	-Range, front	55° 31.4' N 12° 53.7' E	Q.R.	30 9	2	Metal tower, framework, orange triangle, point up daymark.	
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 tower, framework, orange triangle, point down daymark.	
5512 C 2405	Klagshamnverket Range, front	55° 31.5' N 12° 54.2' E	F.G.	26 8	8	Column, white triangle, point up daymark red border stripe.	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 triangle, point down daymark red border stripe.	
5517 C 2406	Sydgas Range, front	55° 31.2' N 12° 53.5' E	Iso.Y. period 4s	46 14	10	Grey latticed mast, yellow diamond (rhombus) daymark.	
5517.1 C 2406.1	-Rear, 471 meters 093° from front	55° 31.2' N 12° 53.9' E	Q.Y.	69 21	10	Grey latticed mast, yellow diamond (rhombus) daymark.	
5518 C 2405.55	-N. Breakwater	55° 31.4' N 12° 53.4' E	Fl.R. period 2s	10 3	4	Post.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-THE SOUND							
5518.1 C 2405.56	-S. Breakwater	55° 31.3' N 12° 53.4' E	F.G.	13 4	4		
FALSTERBOKANALEN:							
5520 C 2410	-Hollrevet, W. side of channel	55° 26.9' N 12° 54.1' E	Q.W.	20 6	7	White tower, green banded; 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.	20 6	14	White pedestal, yellow rectangular daymark, black diamond (rhombus) daymark.	Visible 155° on range only. Flood light.
5526 C 2412	-No 5, head of E. pier	55° 24.9' N 12° 55.8' E	Q.W.	20 6	14	White pedestal, yellow rectangular daymark, black diamond (rhombus) daymark.	Visible in line of range (vorlo). Flood light 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 latticed tower; 69.	Synchronized with 5536.
5530 C 2412.4	-No 3	55° 24.1' N 12° 56.6' E	Iso.W. period 2s	79 24	14	Black latticed tower; 69.	
5532 C 2413	-No 2, head of W. pier	55° 23.6' N 12° 56.9' E	FI.G. period 3s	20 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	23 7	W. 6 R. 10 G. 8	White lantern.	R. 265°-303°, G. -328°, W. -333°, R. -5°, W. UNINTENSIFIED-65°, R. UNINTENSIFIED-175° In line 330° with 5528. Shown Nov. 1 to Mar. 31. Seasonal.
5540 C 2414	Skonor, head of mole	55° 25.0' N 12° 49.7' E	L.FI.(2)R.G. period 10s fl. 2s, ec. 2s fl. 2s, ec. 4s	23 7	R. 10 G. 9	White tower; 20.	G. 30°-63°, 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		Grey post, red triangle, point up daymark.	
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		Grey post, red triangle, point down daymark.	Synchronized with front.
5552 C 2414.4	-Inlopp, head of pier	55° 25.2' N 12° 49.7' E	F.G.	13 4		Latticed tower.	Flood light.
5556 C 2416	Falsterbo, near extremity of point	55° 23.0' N 12° 49.0' E	Oc.W. period 5s	79 24	10	Yellow round tower, black banded, 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	FI.(4)W.R. period 12s	95 29	W. 14 R. 12	Orange tower, black banded; 98.	W. 287°24'-190°, R. -287°24' LED. Flood light.
	RACON		M(- -)		16		(3 & 10 cm).
5564	Blenheim Buoy	55° 16.7' N 12° 52.8' E	Q.(6) + L.FI.W. period 15s			S. cardinal yb, pillar, topmark.	
	RACON		B(- . . .)		14		(3 & 10 cm).
5568 C 2420	Skarelage, head of outer W. mole	55° 22.5' N 13° 03.2' E	Q.W.R.G.	23 7	W. 6 R. 4 G. 3	White latticed tower, red square daymark.	G. 275°-343°, W. -2°, R. -125°.
TRELLEBORG (TRALLEBORG):							
5572	-Trelleborg RACON	55° 21.4' N 13° 09.0' E					(3 & 10 cm).
5576 C 2425	-E. breakwater, head	55° 22.0' N 13° 09.0' E	FI.(2)G. period 6s	0 0	8	Grey latticed tower, red rectangular daymark.	
5580 C 2425.1	-W. breakwater, head	55° 22.0' N 13° 09.0' E	FI.R. period 3s	0 0	9	Grey latticed tower, white rectangular daymark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-THE SOUND							
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 banded, white triangle, point up daymark.	Visible in line of range (vorlo) Flood light.
5588 C 2428.1	--Rear, 540 meters 013°54' from front	55° 22.3' N 13° 09.3' E	Oc.Y. period 4s	72 22	14	Red latticed tower, white, white triangle, point down daymark.	Flood light.
5604 C 2445	Kullagrund	55° 17.9' N 13° 19.3' E	FI.W.R.G. period 3s	59 18	W. 8 R. 6 G. 5		R. 181°-244°, G. -270°54', W. -105°6', R. -120°, G. -181°. Flood light.
	RACON		K(- • -)		14		(3 & 10 cm).
5606 C 2439	Smygehuk	55° 20.3' N 13° 21.1' E	FI.(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°-95°.
5608 C 2440	Smygehamn Ostra Torp Range, front	55° 20.0' N 13° 22.0' E	F.R.	23 7	5	White latticed structure, red triangle, point up daymark.	Seasonal Fishing light. Shown Aug. 1 to Jun..
5612 C 2440.1	-Rear, 100 meters 003° from front	55° 20.4' N 13° 21.6' E	F.R.	33 10	5	White latticed structure, red triangle, point down daymark.	Seasonal 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	Column, red triangle, point up daymark.	
5620 C 2448.1	-Rear, 85 meters 297° from front	55° 23.7' N 13° 36.4' E	F.R.	33 10	2	Column, red triangle, point down daymark.	
	YSTAD:						
5624 C 2450	-Range, front	55° 25.5' N 13° 49.7' E	Iso.W. period 4s	102 31	15	Tower, orange triangle, point up daymark.	
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 triangle, point down daymark.	
5632 C 2450.5	-Outer E. breakwater, head	55° 25.0' N 13° 49.0' E	FI.(2)G. period 6s	26 8	7	White lantern.	Flood light.
5636 C 2450.4	-Outer W. detached breakwater, S. head	55° 25.1' N 13° 49.1' E	FI.R. period 3s	26 8	9	White building.	
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 tower.	R. 276°24'-288°18', G. -301°48', W. -33°18', R. -63°36'.
5648 C 2460	Sandhammaren, SE. point of Sweden	55° 23.2' N 14° 11.6' E	FI.W. period 5s	102 31	22	Red metal tower, framework base; 95.	
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	NA	White building; 10.	G. 64°-73°, W. -77°, Visible -86° R..
5660 C 2505	-N. mole	55° 17.0' N 14° 45.0' E	F.R.	23 7		Latticed 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 40°-270°.
5668 C 2503.1	-Rear, 56 meters 155° from front	55° 14.9' N 14° 44.2' E	F.R.	26 8	5	Mast; 16.	Visible 40°-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	Latticed tower, red triangle, point up daymark white banded; 16.	G. 85°-93°, 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	49 15	7	Metal tower, red triangle, point down daymark white banded; 20.	Visible 7°-187°. Synchronized with front.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-BORNHOLM							
5692 C 2495	-W. mole, head	55° 11.4' N 14° 42.0' E	FI.G. period 3s fl. 0.8s, ec. 2.2s	20 6	3	Latticed tower, green base; 20.	
5693 C 2496	-N. mole, head	55° 11.4' N 14° 42.1' E	FI.R. period 3s fl. 0.8s, ec. 2.2s	20 6	3	Grey mast, red base; 16.	Flood light.
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.	Flood light 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.	Visible 185°-95°. Flood light On request.
5705 C 2489	--Inner mole, head	55° 05.9' N 14° 41.6' E	F.R.	36 11	5	Grey round hard surface tower, granite; 30.	
5706 C 2484	-Shelter mole, head	55° 05.6' N 14° 40.9' E	FI.G. period 3s fl. 0.8s, ec. 2.2s	36 11	7	Green tower; 16.	Flood light On request.
5707 C 2484.2	-N. Shelter mole, head	55° 05.7' N 14° 40.9' E	FI.R. period 3s fl. 0.8s, ec. 2.2s	36 11	7	Red tower; 16.	Flood light On request.
5716.5 C 2483	-Range, front	55° 05.9' N 14° 41.8' E	Iso.W. period 2s	52 16	9	Latticed tower; 46.	Visible 48°-81° Range 2M by day, visible.
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 48°-81° Range 2M by day, visible.
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 building, red banded, two; 10.	G. 45°-90°, W. -105°, R. - 180°.
5724 C 2555.5	Ronne AVIATION LIGHT	55° 04.2' N 14° 45.0' E	FI.W. period 3s	128 39		Yellow control tower; 79.	Occasional.
5732 C 2550	Dueodde	54° 59.5' N 15° 04.5' E	FI.(3)W. period 10s fl. 0.5s, ec. 0s 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.	13 4	1	Grey mast; 13.	Visible 258°12'-18°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	Grey mast; 13.	Visible 258°12'-18°12'.
NEKSO HAVN:							
5744 C 2542	-S. breakwater, head	55° 04.0' N 15° 08.0' E	F.R.	33 10		Red tripodal; 20.	
5748 C 2541	-Detached breakwater, head	55° 03.9' N 15° 08.5' E	FI.R. period 3s	39 12		Red latticed 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 latticed 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 triangle, point up daymark.	Occasional.
5764 C 2540.1	-Rear, 40 meters 248°30' from front	55° 06.5' N 15° 08.6' E	F.R.	52 16		Mast, white triangle, point down daymark; 16.	Occasional.
SVANEKE:							
5772 C 2534	-Breakwater, head	55° 08.2' N 15° 09.9' E	FI.G. period 3s	30 9		Green latticed mast; 23.	
5776 C 2532	Svaneke	55° 08.1' N 15° 08.8' E	Iso.W.R.G. period 4s	20 6	5	Green building; 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	Latticed tower, red triangle, point up daymark; 26.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DENMARK-BORNHOLM							
5796 C 2527.1	--Rear, 25 meters 201°36' from front	55° 08.8' N 15° 06.7' E	F.R.	36 11	4	Latticed tower, red triangle, point down daymark; 31.	
GUDHJEM:							
5808 C 2522	-Near harbor entrance, front	55° 13.0' N 14° 58.0' E	F.R.	39 12	2	Mast, red triangle, point up daymark.	Occasional.
5812 C 2522.1	--Rear, 50 meters 202° from front	55° 12.8' N 14° 58.3' E	F.R.	66 20	2	Mast, red triangle, point down daymark.	
TEJN HAVN:							
5824 C 2516	-NW. of rear range	55° 15.0' N 14° 50.0' E	FI.R. period 3s fl. 0.8s, ec. 2.2s	26 8	3	Red latticed tower; 16.	Flood light.
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	Mast on 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 tower, framework, red rectangular daymark; 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 latticed tower, red rectangular daymark; 33.	Visible 134°24'-154°24'.
ALLINGE HAVN:							
5836 C 2512	-Head of S. mole	55° 17.0' N 14° 48.0' E	3F.R.	13 4	4	Grey latticed tower; 10.	Occasional 1 meter apart. Shown when harbor is closed.
5844 C 2508	Hammerodde, N. end of Hammeren	55° 17.9' N 14° 46.5' E	FI.(2)W. period 15s	69 21	17	White square tower; 39.	Visible 51°-300° faintly visible elsewhere. Dgps station.
CHRISTIANSO:							
5848 C 2556	-Largest tower of fort	55° 19.2' N 15° 11.2' E	FI.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	3F.R.(vert.)	23 7	3	Building.	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 building, red banded; 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	FI.(2)W. period 10s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 7.2s	23 7	7	White tower, red banded; 7.	
GERMANY-BALTIC SEA							
HIDDENSEE:							
5864 C 2588	-Der Dornbusch	54° 35.9' N 13° 07.2' E	FI.W.R. period 10s fl. 0.8s, ec. 9.2s	312 95	W. 25 R. 20	White tower, red roof; 92.	R. 23°-53°, W. -23°.
5866 C 2589.6	-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 banded, pedestal, red triangle, point up daymark; 23.	
5867 C 2589.61	--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 banded, pedestal, red triangle, point down daymark; 39.	
5868 C 2586	-Gellen	54° 30.5' N 13° 04.5' E	Oc.(2)W.R.G. period 10s lt. 2s, ec. 1s lt. 6s, ec. 1s	33 10	W. 15 R. 11 G. 10	White tower, red roof, lantern, stone base; 39.	R. 13°-74°, W. -106°, R. - 169°, W. -184°, R. -219°, G. -238°, W. -13° F.R. (occasional) range lights, mark entrance to Neuendorf Plogshagen.
STRALSUND APPROACH:							

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GERMANY-BALTIC SEA							
5872 C 2575.9	-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 latticed tower, grey base; 43.	
5876 C 2576	-Zarrenzin	54° 26.9' N 13° 01.5' E	Oc.W. period 6s lt. 5s, ec. 1s	75 23	12	White latticed tower, red gallery, grey base, lantern.	Synchronized with 5872.
			Oc.W. period 6s lt. 5s, ec. 1s		10		Synchronized with 588.
5880 C 2576.1	--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 latticed tower, white roof, red gallery, lantern; 79.	Visible in line of range (vorlo) Synchronized with 5876.
5884 C 2583	-Bootshaten Range, front	54° 26.0' N 13° 02.0' E	Oc.W. period 6s lt. 5s, ec. 1s	23 7	1	White mast, white triangle, point up daymark; 20.	
5888 C 2583.1	--Rear, 37 meters 228°48' from front	54° 25.8' N 13° 01.6' E	Oc.W. period 6s lt. 5s, ec. 1s	33 10	1	White mast, white triangle, point down daymark; 23.	
5892 C 2585	-Range, near Bessiner Haken, front	54° 22.0' N 13° 08.0' E	Oc.W. period 6s lt. 5s, ec. 1s	39 12	15	White beacon, red banded, white triangle, point up daymark; 36.	
5896 C 2585.1	--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	15	White latticed beacon, red banded, red diamond (rhombus) daymark; 59.	Synchronized with front.
5900 C 2592	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	24	Yellow tower, red lantern, two galleries; 115.	
5912 C 2596	Kollicker Ort	54° 33.7' N 13° 40.7' E	L.FI.W.R. period 6s fl. 1.5s, ec. 4.5s	98 30	W. 10 R. 7	White tower, pointed roof, red gallery; 23.	W. 166°-340°, R. -356°.
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. 7	Green octagonal tower, white banded, 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.
			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	Grey latticed tower, red triangle, point down daymark; 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 banded, brown roof, green lantern, radar antenna illuminated; 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, gray lantern, two galleries; 128.	
5942 C 2618	-Sellin	54° 23.1' N 13° 42.1' E	Fl.Y. period 4s		3	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.F.W.R.G. period 6s	82 25	W. 7 R. 4 G. 4	White mast, red lantern; 75.	R. 85°-89°30', W. -90°30', G. -95°.
5948 C 2657	--E. mole	54° 12.2' N 13° 46.4' E	F.G.	20 6	3	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	Grey round tower, gallery.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GERMANY-BALTIC SEA							
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 mast, red.	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 banded, gallery, lantern; 36.	G. 190°-193°, W. -202°, R. - 208°, R. 94°-96°, W. - 98°, G. -101°.
5969 C 2659.13	--Pennemunde. S	54° 08.1' N 13° 46.1' E	Dir.F.W.R.G. period 6s	39 12	W. 10 R. 9 G. 9	Red mast, white banded, red hexagonal lantern.	R. 345°48'-348°18', W. - 349°18', G. -351°48'.
5970 C 2659.2	--Wave farm	54° 08.9' N 13° 51.3' E	Fl.Y. period 4s				
STRALSUND APPROACH:							
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	5	White latticed tower, white triangle, point up daymark; 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	5	White latticed tower, white triangle, point down daymark; 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	20 6	W. 6 R. 4 G. 3	White latticed tower.	G. 20°30'-26°, W. -27°, R. - 31°30'.
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 latticed tower, white triangle, point up daymark red border stripe; 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	43 13		White latticed beacon, white triangle, point down daymark red border stripe; 33.	
6004 C 2655.2	-Eldena	54° 05.2' N 13° 27.6' E	Dir.F.W.R.G. period 10s	75 23	W. 11 R. 8 G. 7	Grey latticed tower, white diamond topmark, red border; 62.	Visible 179°54'-182°42' Oc.(2)G., Visible -183°6' Oc.(2)W., Visible - 185°54' Oc.(2)R..
6008 C 2654	-Wieck, N. mole, head	54° 06.0' N 13° 28.0' E	Q.(2)G. period 6.5s	16 5	3	Green piles; 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	12	Grey latticed 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	13	Grey latticed; 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 latticed tower, red diamond topmark, white border; 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	5	Red latticed tower, white banded, red triangle, point up daymark; 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	62 19	6	Red latticed tower, white banded, white square daymark; 56.	
6056 C 2634	-Devin	54° 16.2' N 13° 10.6' E	Dir.F.W.R.G. period 10s	59 18	W. 15 R. 11 G. 11	White latticed tower, red banded; 30.	Visible 290°12'-293°6' Oc.(2)G., Visible - 293°18' Oc.(2)W., Visible -296°12' Oc.(2)R..

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GERMANY-BALTIC SEA							
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	10	Red latticed tower, white banded, red triangle, point up daymark; 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	82 25	10	White latticed tower, red banded, white diamond (rhombus) daymark; 75.	Synchronized with front.
6084 C 2644	-Andershof, Range, front	54° 16.3' N 13° 07.4' E	Dir.F.W.R.G. period 6s	72 22	W. 11 R. 7 G. 8	White latticed tower, red banded, white triangle, point up daymark red border stripe.	R. 192°-194°48', W. -195°12', 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 metal structure, red banded, white triangle, point down daymark red border stripe; 23.	
6100 C 2645.1	-Danholm	54° 18.0' N 13° 07.0' E	Dir.F.W.R.G. period 6s	59 18	W. 11 R. 8 G. 8	Grey latticed tower; 52.	G. 330°36'-333°12', W. -334°, R. -336°36'.
6113 C 2651.2	-Stralsund N. mole	54° 19.1' N 13° 05.9' E	Dir.F.W.R.G. period 6s	46 14	W. 9 R. 8 G. 8	Black mast, white banded; 39.	R. 320°48'-323°48', W. -324°48', G. -327°48'.
POLAND-BALTIC SEA							
SWINOUJSCIE:							
6115 C 2667.5	-Approach channel, No 11, W. side	54° 00.9' N 14° 14.9' E	FI.G. period 2s fl. 0.5s, ec. 1.5s	43 13	12	Green tower, concrete base.	Synchronized with 6115.5.
6115.5 C 2667.8	--No 12, E. side	54° 01.0' N 14° 15.2' E	FI.R. period 2s fl. 0.5s, ec. 1.5s	43 13	12	Red tower, concrete base.	Synchronized with 6115.
6116 C 2668	-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. 29°-57°, W. -280°.
6117 C 2672.3	-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 90°-0°.
6117.5 C 2672.5	-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.	W. 146°42'-302°6', R. -146°42'.
6120 C 2672	-E. mole, head	53° 55.9' N 14° 16.7' E	FI.(2+1)R. period 10s fl. 0.5s, ec. 0.7s fl. 0.5s, ec. 2.1s fl. 0.5s, ec. 5.7s	43 13	10	Red tower, green banded, gallery.	Reserve light FI.R. 3s 6M. 6 F.Y. shown along mole.
6124 C 2670	-Mlyny Outer Range, front. W. mole, head	53° 55.6' N 14° 16.6' E	Oc.W. period 10s lt. 7.5s, ec. 2.5s	36 11	17	White windmill; 36.	Visible 166°12'-174°12'.
6128 C 2670.1	--Galeriowa Beacon, rear, 522 meters 170°12' from front	53° 55.3' N 14° 16.7' E	Oc.W. period 10s lt. 7.5s, ec. 2.5s	75 23	17	White round tower, white triangle, point down daymark; 79.	Visible 166°12'-174°12'. Synchronized with front.
6134 C 2674	-Stocznioweg Basin	53° 54.8' N 14° 16.5' E	FI.(2)G. period 8s fl. 1s, ec. 1s fl. 1s, ec. 5s	13 4	2	Green post, gallery.	
6134.2 C 2673.5	-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 post, gallery.	
6134.4 C 2673.7	--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 post, gallery.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
POLAND-BALTIC SEA							
6135 C 2675	-CPN~2 quay	53° 54.5' N 14° 16.4' E	Oc.R. period 4s lt. 3s, ec. 1s	20 6	2	Red post.	
6135.5 C 2678.34	-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 C 2678.4	-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 C 2678.45	--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 C 2678.5	---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 C 2678	-Kosa, N. end of quay	53° 54.4' N 14° 15.5' E	Oc.G. period 4s lt. 3s, ec. 1s	26 8	2	White tower, gallery, green cupola.	
6140 C 2678.75	--S. point of quay	53° 53.8' N 14° 15.0' E	Oc.G. period 4s lt. 3s, ec. 1s	23 7	2	Green tower, gallery, cupola.	
6146 C 2678.77	-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 C 2678.78	-Mooring dolphin	53° 53.7' N 14° 15.1' E	Iso.G. period 2s	23 7	4	Green post, mooring dolphin.	
6149 C 2678.3	-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 C 2678.32	-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 C 2678.33	-Western 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..
6150 C 2678.55	-Berth 4, NE corner	53° 54.1' N 14° 15.5' E	Iso.R. period 2s	23 7	1	Red mast, gallery.	Synchronized with 6150.1 and 6150.2.
6150.1 C 2678.6	-Berth 3, SW corner	53° 54.0' N 14° 15.4' E	Iso.R. period 2s	23 7	1	Red mast, gallery.	Synchronized with 6150 and 6150.2.
6150.2 C 2678.7	-Berth 2, SW corner	53° 53.9' N 14° 15.3' E	Iso.R. period 2s	23 7	1	Red mast, gallery.	Synchronized with 6150 and 6150.1.
6150.3 C 2678.715	-Polwysep Kosa, E. quay	53° 54.0' N 14° 15.1' E	Q.G.	23 7	3	Green metal post, gallery.	
6152 C 2679.8	-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	30 9	W. 6 R. 4 G. 4	Building, lantern.	G. 68°42'-90°30', W. - 103°42', R. -125°.
MIELINSKI KANAL:							
6156 C 2680	-Mielin	53° 53.5' N 14° 15.5' E	Q.R.	23 7	3	Red metal beacon.	
6160 C 2684	--W. side	53° 53.1' N 14° 16.0' E	Iso.R. period 4s	30 9	3	White latticed mast; 26.	Three lights mark W. side of Wyypsa Miehn.
6164 C 2682	-N. and S. Ranges, common front	53° 52.8' N 14° 16.4' E	Oc.W. period 4s lt. 3s, ec. 1s	49 15	3	White latticed mast.	Visible 133°-147°.
			Oc.G. period 4s lt. 3s, ec. 1s	49 15	5		Visible 341°-355°.
6168 C 2682.1	--N., rear, 220 meters 348°18' from front	53° 52.9' N 14° 16.4' E	Oc.G. period 4s	66 20	5	White latticed mast, orange banded.	Visible 341°-355°.

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POLAND-BALTIC SEA							
6172 C 2681.9	--S., rear, 220 meters from front	53° 52.7' N 14° 16.5' E	Oc.W. period 4s	66 20	6	White latticed mast, orange banded.	Visible 133°-147°.
6174 C 2681.7	--E. side	53° 52.7' N 14° 16.4' E	Iso.R. period 4s	26 8	3	White latticed mast.	
6176 C 2685	-Mielin	53° 51.9' N 14° 16.8' E	Iso.R. period 4s	23 7	3	Red tower, dome, gallery, two cross topmarks; 26.	Visible 310°-240°30'.
6178 C 2691	-Karsibor W. side, 1	53° 51.1' N 14° 16.9' E	Oc.G. period 4s lt. 3s, ec. 1s	30 9	3	White latticed mast; 19.	Synchronized with lights 6178.1, 6178.2 and 6178.
6178.1 C 2686	--2	53° 50.9' N 14° 17.0' E	Oc.G. period 4s lt. 3s, ec. 1s	30 9	3	Tower, radar.	Synchronized with lights 6178, 6178.2 and 6178.
6178.2 C 2688.1	--3	53° 50.7' N 14° 17.2' E	Oc.G. period 4s lt. 3s, ec. 1s	30 9	3	White latticed mast.	Synchronized with lights 6178, 6178.1 and 6178.
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 latticed 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 latticed mast; 46.	Visible 164°18'-172°18'.
6184 C 2687.1	--Rear, 220 meters from front	53° 50.7' N 14° 17.1' E	Oc.W. period 4s lt. 3s, ec. 1s	66 20	5	White latticed mast, red banded; 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. 5s, ec. 1s	23 7	3	Red tower, gallery, cupola, cross topmark.	R. 353°-169°, G. -283°.
6192 C 2690	-Karsibor Range, front	53° 51.1' N 14° 16.8' E	Oc.NA. period 4s lt. 3s, ec. 1s	49 15	7	White tower, red conical roof, gallery.	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.NA. period 4s lt. 3s, ec. 1s	128 39	8	Red latticed tower, white banded, 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 latticed tower, two galleries; 85.	Visible 137°18'-145°18'.
6204 C 2694	--W	53° 48.4' N 14° 20.2' E	Iso.W. period 2s	82 25	7	Green tower, two galleries; 89.	Visible 137°18'-145°18'. Nautophone: Mo.(K) ev. 60s
			Oc.(2)R. period 8s lt. 1s, ec. 1s lt. 5s, ec. 1s	75 23	3		Visible 36°30'-86°. Nautophone: Mo.(K) ev. 60s
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 post.	Visible 96°-46°5' with E. breakwater. Synchronized.
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 post.	with W. breakwater. Synchronized 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 latticed tower, concrete base, two galleries; 69.	Visible 136°33'-146°3'.
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 latticed tower, two galleries, concrete base; 69.	Visible 136°33'-146°3'.
			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. Seasonal.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
POLAND-BALTIC SEA							
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 Fl.W.R.G. period 4s fl. 0.4s, ec. 3.6s	85 26	13	Red tower, two galleries; 69.	Visible 136°33'-146°3'. G. 181°54'-186°12', W. - 189°30', R. -194°30', W. -227°18' Shown Apr. 1 to Nov. 30. Seasonal.
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°3' and 316°33'-326°03'. (T) Light under renovations (2022).
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 mast.	Shown Apr. 1 to Nov. 30. Seasonal Shown Apr. 1 to Nov..
6236 C 2714	-Skoszewo Range, front	53° 47.1' N 14° 37.0' E	Iso.W. period 4s	69 21	6	White latticed tower, red diamond (rhombus) daymark.	Visible 77°36'-85°36' Runs between the shallows of Wolinska and Pomorska.
6240 C 2714.1	--Rear, 870 meters 081°36' from front	53° 47.1' N 14° 37.7' E	Iso.W. period 4s	112 34	6	Red latticed tower, red diamond (rhombus) daymark.	Visible 77°36'-85°36' Runs between the shallows of Wolinska and Pomorska. Synchronized with front.
6244 C 2715	--Sager Range, front	53° 48.3' N 14° 36.8' E	Oc.R. period 4s lt. 3s, ec. 1s	52 16	5	White mast, red diamond (rhombus) 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	82 25	5	Red mast, 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 mast, red rectangular daymark; 39.	Visible 357°54'-5°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	112 34	5	Red mast, red rectangular daymark white stripe.	Visible 357°54'-5°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	112 34	5	White latticed 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	174 53	5	White latticed mast, white diamond (rhombus) 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.	
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	43 13	3	Red beacon, conical roof, gallery; 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 latticed tower, two galleries.	Visible 137°18'-144°48' Red construction lighting. Synchronized with 6288.
6288 C 2721	--W. tower	53° 39.8' N 14° 31.8' E	Iso.W. period 2s	82 25	7	Green latticed tower, two galleries.	Visible 138°18'-145°48' Green construction lighting. 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 tower, white, conical roof, two galleries; 56.	Visible 137°36'-145°36'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
POLAND-BALTIC SEA							
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 tower, white, conical roof, two galleries.	Synchronized with front.
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 latticed 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	72 22	7	White mast, 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	30 9	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 latticed 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 latticed 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 latticed tower, orange diamond (rhombus) 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 latticed tower, orange triangle, point down daymark.	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 tower, white, conical roof, two galleries; 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	82 25	5	Orange and white tower, two galleries.	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 latticed mast.	
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	66 20	4	White latticed 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	20 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	49 15	5	Orange tower, white, conical roof, two galleries.	Visible 352°-0°.
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 tower, white, conical roof, two galleries.	Visible 352°-0°. 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 tower, red gallery, cupola; 49.	W. 24°24'-46°, R. -98°, W. - 112°24' Red sector includes Mankow Turn.
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	13 4	4	Red post.	
6374 C 2733	-Roztoka Odrzanska	53° 36.5' N 14° 35.1' E	Fl.Y. period 4s fl. 1s, ec. 3s	20 6	5	Yellow dolphin, cross topmark.	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 tower, white, conical roof, two galleries.	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	85 26	5	Orange tower, white, conical roof.	Synchronized with front.
6382 C 2735	-Wielki Karu, N. end	53° 35.7' N 14° 35.2' E	Q.W.	39 12	4	N. CARDINAL Black tower, black topmark, yellow, two galleries.	
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 tower, gallery, dome, 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.FI.W. period 15s	26 8	6	S. CARDINAL Yellow structure, black topmark, black, turret, two galleries; 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	16	Orange cylindrical tower, white.	
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	18	Orange cylindrical tower, white lantern, two galleries.	Synchronized with front.
6390 C 2739	-Radun Island	53° 33.5' N 14° 36.1' E	FI.R. period 4s fl. 1s, ec. 3s	26 8	5	Red tower, 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 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	85 26	5	Red tower, conical roof, two galleries.	Visible 172°-180°. Synchronized with front.
6398 C 2740	-Channel light 36, E. bank	53° 33.2' N 14° 36.6' E	FI.R. period 4s fl. 1s, ec. 3s	26 8	3	Red beacon, gallery.	Radar reflector.
6400 C 2751	--Mnisi Ostrow, N	53° 32.7' N 14° 37.0' E	V.Q.W.	39 12	4	N. CARDINAL Black structure, black topmark, yellow, gallery.	
6404 C 2752	--Kopina, S. end	53° 32.6' N 14° 37.6' E	Iso.R. period 4s	23 7	2	Red latticed structure.	
6416 C 2752.6	--Channel 40, E. bank	53° 32.7' N 14° 37.5' E	FI.R. period 4s fl. 1s, ec. 3s	26 8	3	Red beacon, gallery.	Radar reflector.
6418 C 2754.5	--Channel 41, W. bank	53° 32.4' N 14° 37.6' E	FI.G. period 4s fl. 1s, ec. 3s	26 8	3	Green cylindrical structure, gallery.	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 tower, white, dome, conical roof; 46.	W. 11°18'-25°30', R. -107°, W. -118°6'.
6422 C 2755	--Channel 43, W. bank	53° 32.1' N 14° 37.8' E	FI.G. period 4s fl. 1s, ec. 3s	26 8	3	Green beacon, gallery.	Radar reflector.
6423 C 2754.7	--Channel 44, E. bank	53° 32.1' N 14° 37.9' E	FI.R. period 4s fl. 1s, ec. 3s	26 8	3	Red dolphin, two galleries.	
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	52 16	5	Orange tower, white, gallery, orange dome.	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 tower, white, gallery, orange dome.	Visible 128°36'-136°36'.
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 tower, white, gallery, orange dome.	Visible 14°-22°.
6438 C 2749	--Wyspy Rybi Island	53° 31.8' N 14° 37.8' E	V.Q.(6)+L.FI.W. period 10s	39 12	4	S. CARDINAL Yellow structure, black topmark, black.	

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POLAND-BALTIC SEA							
6440 C 2758	--Wyspa Zurawia, N. end	53° 31.3' N 14° 37.9' E	V.Q.W.	39 12	5	N. CARDINAL Black structure, black topmark, yellow.	
6444 C 2750	--Babina, W. side of Mewia Wyspa	53° 31.0' N 14° 38.4' E	Oc.W.R. period 4s	39 12	W. 2 R. 1	Red tower, white, gallery, dome, conical roof.	W. 37°48' -58°24', R. - 133°42', W. -154°12'.
6448 C 2762	--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 tower.	Visible 169°54' -177°54'.
6452 C 2762.1	--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 tower.	Visible 169°54' -177°54'. Synchronized with front.
6452.5 C 2764.75	--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 C 2765.24	--Cementowe Wharf, S. end	53° 29.5' N 14° 37.1' E	Iso.G. period 2s	23 7	3	Green mast, gallery.	
6454 C 2765.42	--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.
6454.1 C 2765.44	---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	1	Green mast.	Synchronized with 6454.
6454.5 C 2765.6	--N. Snop 2 Wharf	53° 28.9' N 14° 36.9' E	Iso.G. period 4s	20 6	2	Green mast, gallery.	
6455 C 2767.6	--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 C 2770	--Basen, BTP. N. side	53° 28.1' N 14° 36.1' E	Iso.G. period 2s	20 6	2	Green mast.	
6455.12 C 2770.2	---S. side	53° 28.1' N 14° 36.1' E	Iso.R. period 2s	20 6	2	Red mast.	
6455.2 C 2772	--Lighting Authority Basin, N. side	53° 28.0' N 14° 36.1' E	Iso.G. period 2s	23 7	2	Green mast.	
6455.3 C 2772.2	---S. side	53° 28.0' N 14° 36.0' E	Iso.G. period 2s	20 6	2	Green mast.	
6456 C 2764	--Swieta Range, front	53° 28.1' N 14° 36.5' E	Oc.W. period 4s lt. 3s, ec. 1s	49 15	5	Orange tower, conical roof, two galleries.	Visible 194°-202°.
6460 C 2764.1	--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 tower, conical roof, two galleries.	Visible 194°-202°.
6460.1 C 2771.7	--Jachtowe Wharf, N. side	53° 27.8' N 14° 36.0' E	Oc.G. period 4s lt. 3s, ec. 1s	16 5	3	Green dolphin.	Synchronized with 6460.2.
6460.2 C 2771.5	--S. side	53° 27.7' N 14° 35.9' E	Oc.G. period 4s lt. 3s, ec. 1s	16 5	3	Green dolphin.	Synchronized with 6460.
6461 C 2777.9	--Basen Mlynski	53° 27.3' N 14° 35.4' E	Iso.G. period 4s	20 6	4	Green mast, gallery.	
6461.5 C 2777.95	--Wyspa Okretowa, NW corner	53° 27.3' N 14° 35.6' E	Iso.R. period 4s	16 5	3	Red mast.	
6462 C 2813	--Ostrow Grabowski	53° 26.5' N 14° 35.6' E	Iso.W.R.G. period 2s	36 11	W. 5 R. 3 G. 3	White beacon, two galleries.	G. 185°-189°, W. -191°, R. - 195°.
			Q.W.	36 11	3		Visible 195°-185°.
6464 C 2781.5	--Pier, head	53° 26.9' N 14° 35.1' E	Iso.G. period 4s	26 8	3	Green mast.	

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POLAND-BALTIC SEA							
6465 C 2791.5	-Nabrzeze Krakowskie	53° 26.4' N 14° 35.1' E	Iso.G. period 2s	20 6	1	Grey mast, lantern.	
6465.2 C 2791.8	-Zatoka Pomorska	53° 26.4' N 14° 34.9' E	Fl.G. period 4s fl. 1s, ec. 3s	20 6	1	Green mast, support.	Marks obstruction.
6465.3 C 2793	-Niemieckie Wharf, W. end	53° 26.3' N 14° 35.1' E	Iso.R. period 4s	20 6	3	Red mast, gallery.	
6465.4 C 2793.5	--E. end	53° 26.3' N 14° 35.2' E	Iso.G. period 4s	20 6	3	Green mast, gallery.	
6466 C 2799	-Kanal Debicki	53° 25.9' N 14° 35.2' E	Iso.R. period 4s	23 7	3	Red mast.	
6467 C 2801	--Czeskie wharf	53° 25.7' N 14° 35.0' E	Iso.G. period 4s	23 7	1	Green post.	
6469.1 C 2817	--NB. Zabrzonskie	53° 24.6' N 14° 36.7' E	Q.R.	20 6	1	Red mast, dolphin, gallery.	
6472 C 2876	-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°, Visible -160° R. Whistle: 1bl. ev. 15s (bl. 1s, si. 14s)
6476 C 2876.2	--Elbow of Mole	53° 43.6' N 14° 16.9' E	Iso.G. period 4s	23 7	2	Green post, 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 C 2874	--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 dolphin, black banded, white lantern.	Visible 153°-10° Indicates German-Polish border.
6484 C 2860	-Uckerunde, W. mole, root	53° 45.0' N 14° 04.0' E	Oc.W. period 6s lt. 5s, ec. 1s	36 11	10	White column, red lantern, gallery; 36.	W. 113°-293° Shown during open navigation.
6488 C 2867	-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 latticed beacon; 26.	
6492 C 2867.1	--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	82 25	7	White column; 79.	
POLAND-BALTIC SEA							
6496 C 2892	Kikut	53° 58.9' N 14° 34.8' E	Iso.W. period 10s	299 91	16	Grey round tower, gallery, white dome; 59.	Visible 63°-241°.
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 post, gallery.	
6512 C 2896	-Entrance Range, front	54° 01.2' N 14° 43.8' E	Oc.W. period 4s lt. 3s, ec. 1s	26 8	3	White latticed tower, white diamond (rhombus) daymark.	Visible 138°42'-146°42'.
6516 C 2896.1	--Rear, 130 meters 142°42' from front	54° 01.1' N 14° 43.9' E	Oc.W. period 4s lt. 3s, ec. 1s	43 13	3	White latticed tower, red, white rectangular daymark.	Visible 138°42'-146°42'. Synchronized with front.

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POLAND-BALTIC SEA							
6520 C 2904	Niechorze	54° 05.7' N 15° 03.8' E	Fl.W. period 10s fl. 0.5s, ec. 9.5s	207 63	20	White octagonal tower, red roof, dome, gallery.	
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	Latticed tower; 20.	G. 50°-151°, W. -157°, R. -244°. Nauphone: Mo.(P) ev. 60s
6536 C 2905.25	-E. Breakwater, head	54° 09.0' N 15° 17.0' E	Iso.R. period 4s	36 11	5	Red column, gallery.	Synchronized with 654.
6540 C 2905.27	-W. Breakwater, head	54° 08.9' N 15° 17.2' E	Iso.G. period 4s	36 11	5	Green column, gallery.	Synchronized with 6536.
KOLOBRZEG:							
6544	-Approach buoy Kol	54° 14.0' N 15° 31.0' E	L.FI.W. period 10s fl. 3s, ec. 7s			SAFE WATER White column, topmark, red vertical stripes.	
6548 C 2908	-E. mole, head	54° 11.4' N 15° 32.9' E	Oc.R. period 4s lt. 3s, ec. 1s	26 8		Red post, gallery.	Nauphone: 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, black roof, dome, lantern.	Visible 62°-259° Traffic signals. Traffic signals.
6556 C 2910	-W. mole, head	54° 11.3' N 15° 32.9' 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, dome, gallery.	
DARLOWO:							
6564 C 2918	Port Darlowo. E. breakwater	54° 26.4' N 16° 22.7' E	L.FI.(2)W. period 15s fl. 2s, ec. 2s fl. 2s, ec. 9s	66 20	15	Red quadrilateral tower, dome, white gallery, dwelling; 69.	Visible 40°-220° Obscured by building 065°-085°.
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° 26.4' N 16° 22.5' E	Q.G.	20 6	5	Green column.	
6580 C 2926	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, lantern; 102.	Visible 58°-242°.
USTKA:							
6584 C 2930	-Ustka	54° 35.3' N 16° 51.3' E	Oc.W. period 6s lt. 4s, ec. 2s	72 22	18	Red octagonal tower, white cupola, building; 72.	Visible 74°-254°.
6588 C 2932	-E. breakwater, head	54° 35.5' N 16° 51.1' E	Iso.R. period 6s	36 11	7	Red post.	Synchronized with 6596.
6596 C 2933	-W. breakwater, head	54° 35.5' N 16° 51.1' E	Iso.G. period 6s	33 10	7	Green post.	Synchronized with 6588.
6600 C 2934	-River entrance, W. side	54° 35.3' N 16° 51.2' E	Q.G.	20 6	1	Green post, gallery.	
6601 C 2935	-Basin, W. side	54° 35.3' N 16° 51.2' E	Q.G.	20 6	1	Green post, gallery.	
6612 C 2939.1	Rowy	54° 40.1' N 17° 03.2' E	Iso.NA. period 6s	33 10	2	White tower, gallery.	Visible 129°-159°. Nauphone: Mo.(R) ev. -9999s

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
POLAND-BALTIC SEA							
6616 C 2940	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 tower, black dome, brick; 83.	
	LEBA:						
6620	-Approach Buoy LEBA	54° 47.1' N 17° 33.8' E	L.FI.W. period 10s fl. 2.5s, ec. 7.5s			SAFE WATER White column, topmark, red vertical stripes.	
6624 C 2944	-E. mole, head	54° 46.1' N 17° 33.0' E	Iso.R. period 4s	33 10	5	Red cylindrical column, gallery.	Visible 180°-90°. Synchronized with 6629 Iso.G. light.
6627 C 2944.5	-W. breakwater	54° 46.1' N 17° 33.0' E	Dir.F.W.R.G.	23 7	W. 6 R. 4 G. 4	White cylindrical column, gallery.	G. 200°-205°, W. -207°, R. -212° Visible by day.
6629 C 2945	--Head	54° 46.2' N 17° 33.0' E	Q.W.	33 10	5	Green cylindrical column, gallery.	Visible 25°-180°.
			Iso.G. period 4s				Visible 180°-25°. Synchronized with 6624.
6632 C 2954	Stilo	54° 47.2' N 17° 44.0' E	FI.(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 and black tower, two galleries, white lantern.	Visible 50°30'-290°30'.
6634 C 2957.6	Platform PG-1	55° 27.4' N 18° 09.4' E	Mo.(U)W. period 15s			Platform.	Security zone around platform. Horn: Mo.(U) ev. -9999s
	RACON		G(- - -)				Horn: Mo.(U) ev. -9999s
6634.5 C 2957.5	-Platform Baltic Beta	55° 28.9' N 18° 11.0' E	Mo.(U)W. period 15s			Platform.	Horn: Mo.(U) ev. 30s
	RACON		T(-)				Horn: Mo.(U) ev. 30s
6636 C 2960	Rozewie	54° 49.8' N 18° 20.2' E	FI.W. period 3s fl. 0.1s, ec. 2.9s	272 83	26	Red round tower, two galleries.	Dgps station.
	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.FI.W. period 10s fl. 2.5s, ec. 7.5s			SAFE WATER White column, topmark, red vertical stripes.	
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 latticed 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.	20 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	43 13	3	White and red radar tower.	Synchronized with 6640.
6649 C 2964.6	-Fishery building	54° 47.7' N 18° 24.6' E	F.R.	256 78	23	Tower.	Aero light.
6650 C 3002	-Kuznica Range, front	54° 44.0' N 18° 34.9' E	F.R.	46 14	3	Grey latticed tower, white triangle, point up daymark red border stripe.	
6650.1 C 3002.1	--Rear, 188 meters 339° from front	54° 44.1' N 18° 34.9' E	F.R.	56 17	3	Grey latticed tower, triangle, point down daymark red border stripe.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
POLAND-BALTIC SEA							
6651 C 3003	--E. breakwater, entrance	54° 43.9' N 18° 35.0' E	L.FI.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.FI.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.NA. period 2s	33 10	4	Red pipe, white stripe, white triangle, point up daymark red border stripe.	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.NA. period 4s lt. 3s, ec. 1s	62 19	4	Tower, red square daymark.	Synchronized with front.
6660 C 2986	--On island, entrance to Jastarnia Bor	54° 41.0' N 18° 40.4' E	FI.(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 banded, gallery, grey concrete base.	W. 333°-83°, R. -333°.
6664 C 2965	-Jastarnia Wies	54° 42.0' N 18° 40.9' E	Mo.(A)W. period 20s	72 22	15	White round tower, red banded, 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°.
6676 C 2972	--Outer harbor, W. mole, head	54° 36.0' N 18° 48.0' E	FI.R. period 4s fl. 0.5s, ec. 3.5s	30 9	4	Red post, gallery.	
6680 C 2974	---E. mole, head	54° 36.0' N 18° 48.1' E	FI.W.G. period 4s fl. 0.5s, ec. 3.5s	30 9	4	White cylindrical tower, green, gallery.	W. 300°-10°, G. -300° Attached to the lower gallery.
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	White post, red banded, vertical, gallery.	G. 122°-167°, W. -177°, R. -222°.
6709 C 3011	--N. pipeline	54° 37.1' N 18° 32.8' E	Q.(2)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.(2)W. period 10s	16 5	3	E. CARDINAL Black dolphin, black topmark, yellow banded, black, gallery.	Marks waste pipe.
PORT OF GDYNIA:							
6716 C 3018	-Kanal Portowy, entrance Range, front	54° 32.2' N 18° 32.9' E	Oc.NA. period 5s lt. 3s, ec. 2s	49 15	8	White latticed 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.NA. 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	FI.G. period 3s fl. 0.3s, ec. 2.7s	26 8	3	Black latticed tower.	
6728 C 3015	--S. side of N. entrance	54° 32.3' N 18° 33.7' E	FI.R. period 3s fl. 0.3s, ec. 2.7s	33 10	3	Red latticed tower, white banded.	
6729 C 3015.2	--S. side of detached breakwater	54° 32.2' N 18° 33.8' E	Iso.G. period 4s	49 15	8	Grey concrete tower, dome, gallery.	Synchronized with 6732.
6732 C 3016	--S. side of main entrance, N. end	54° 32.1' N 18° 33.8' E	Iso.R. period 4s	49 15	10	Grey concrete tower, dome, gallery.	Synchronized with 6729.
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	Grey concrete tower, flat roof, glass dome.	
6740 C 3020.6	-Fuel berth	54° 32.0' N 18° 33.7' E	F.R.	23 7	3	Grey metal post, dolphin.	

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POLAND-BALTIC SEA							
6744 C 3020.62	-Fuel berth	54° 31.9' N 18° 33.7' E	F.R.	23 7	3	Grey metal post, dolphin.	
6756 C 3024	-Basin No 1	54° 31.3' N 18° 33.6' E	F.G.	20 6	2	Green post.	
6760 C 3023.4	-Fisherman's Pier, (English Quay) NE. head	54° 31.5' N 18° 33.6' E	F.R.	13 4	2	Red post.	
6768 C 3022	-Swedish Quay, NE. head	54° 31.8' N 18° 33.6' E	F.R.	23 7	2	Red post.	
6769 C 3022.1	-Basin No 3	54° 31.8' N 18° 33.1' E	F.W.	13 4		Dolphin.	
6788 C 3021	--French Quay, NE. corner	54° 32.0' N 18° 33.3' E	F.R.	20 6	2	Red post.	
6790 C 3021.5	-Holland Quay	54° 32.0' N 18° 33.4' E	F.G.	23 7	2	Green post.	
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	F.G. period 5s	23 7	1	Green post.	
6804 C 3029	--No 5	54° 32.1' N 18° 32.1' E	F.R. period 5s	23 7	1	Red post.	
6806 C 3030.1	--Basin No 5, Ro Ro	54° 32.0' N 18° 31.6' E	FI.NA. period 4s fl. 1s, ec. 3s	23 7	1	Grey cylindrical metal post.	
6808 C 3029.2	--Yugoslav Quay, E. corner	54° 32.2' N 18° 31.9' E	F.G. period 5s	23 7	1	Green post.	
6810 C 3031	-Jugoslavian Wharf, NW. corner	54° 32.2' N 18° 31.8' E	FI.R. period 4s fl. 1s, ec. 3s	23 7		Grey round metal post.	
6818 C 3018.5	-Jetty, head	54° 32.3' N 18° 33.2' E	Iso.W. period 2s	20 6	2	Latticed mast, lantern.	
6820 C 3020	-Basin No 10, E. side of entrance	54° 32.4' N 18° 33.3' E	Q.G.	20 6		Black latticed tower.	
6824 C 3020.2	--W. side of entrance	54° 32.4' N 18° 33.2' E	Q.R.	20 6		Black latticed 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 latticed 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 latticed tower.	
GULF OF DANZIG:							
6839 C 3045.8	-NW. pipeline, head	54° 27.2' N 18° 34.3' E	Iso.NA. period 2s	16 5	2	Metal post, yellow platform.	Marks waste pipe outlet.
6844 C 3046	-Sopot	54° 26.7' N 18° 34.2' E	FI.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	FI.R. period 6s fl. 1.5s, ec. 4.5s	23 7	4	Red metal post.	
6848 C 3047.5	--E. breakwater, head	54° 26.8' N 18° 34.8' E	FI.G. period 6s fl. 1.5s, ec. 4.5s	23 7	4	Green metal post.	

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POLAND-BALTIC SEA							
6850 C 3049	-SE. pipeline head	54° 26.3' N 18° 35.2' E	Fl.NA. 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.Y. period 5s	75 23	13	White latticed tower, white triangle, point up daymark red border stripe; 79.	
6864 C 3062.1	--Rear, 330 meters 196° from front	54° 24.3' N 18° 38.3' E	Iso.Y. period 5s	102 31	13	Black latticed tower, triangle, point down daymark.	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, red border.	Reserve light range 5M. 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	115 35	8	Grey beacon, -, black triangle, point down daymark.	Reserve light range 5M. Range 3M by day.
6876 C 3068	--E. breakwater, head	54° 25.0' N 18° 39.5' E	L.F.I.R. period 6s fl. 2s, ec. 4s	43 13	7	Red tower.	
6880 C 3066	--W. breakwater, head	54° 24.7' N 18° 39.5' E	L.F.I.G. period 6s fl. 2s, ec. 4s	43 13	7	Green tower.	
6908 C 3074	--N. side of entrance to coal harbor	54° 23.5' N 18° 40.3' E	F.R.	26 8	2	Red post.	
6912 C 3074.1	--S. side of entrance to coal harbor	54° 23.3' N 18° 40.2' E	F.G.	26 8	2	Green post.	
6928 C 3076.3	--Entrance to Holmbecken I, NW. point	54° 22.8' N 18° 39.5' E	Fl.I.R. period 4s fl. 1s, ec. 3s	26 8	2	Red latticed tower.	
6952 C 3081.02	-Entrance Range, front	54° 23.8' N 18° 42.2' E	Oc.Y. period 5s lt. 3s, ec. 2s	59 18	8	Orange concrete post.	Range 4M by day.
6952.1 C 3081.03	--Rear, 900 meters 253°36' from front	54° 23.7' N 18° 41.4' E	Oc.Y. period 5s lt. 3s, ec. 2s	148 45	8	Orange concrete post.	Range 4M by day.
6954 C 3081.21	-Head of N. breakwater	54° 24.2' N 18° 43.9' E	Iso.G. period 5s	39 12	6	Green quadrilateral concrete tower.	
6956 C 3081.26	--N. corner	54° 24.5' N 18° 43.1' E	Oc.Y. period 4s lt. 3s, ec. 1s	23 7	3	Yellow post.	
6958 C 3081.22	-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 C 3081.2	-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 C 3081.28	-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 C 3081.31	-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	Grey post, gallery.	
6962 C 3081.5	-Detached breakwater, N. head	54° 23.9' N 18° 43.5' E	Iso.R. period 5s	39 12	6	Red quadrilateral concrete tower.	
6964 C 3081.4	-Pomost Rudowy	54° 23.6' N 18° 43.0' E	Fl.Y. period 5s fl. 1s, ec. 4s	30 9	2	White post.	
6966 C 3081.33	-Coal pier, head	54° 24.0' N 18° 42.6' E	Oc.Y. period 3s	30 9	4	White dolphin.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
POLAND-BALTIC SEA							
6968 C 3080.8	-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	200 61	25	Blue quadrilateral tower, white glass gallery.	Visible 140°-320° Reserve light range 16M.
6970 C 3081.9	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 C 3082	-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.	
6974 C 3082.2	--W. bank	54° 22.1' N 18° 46.8' E	Fl.Or. period 6s fl. 2s, ec. 4s	23 7	2	Green latticed tower.	
6980 C 3082.4	-Gdansk--Wschod	54° 22.4' N 18° 52.2' E	Fl.Y. period 4s fl. 1s, ec. 3s	16 5	3	Yellow dolphin.	Marks outfall pipe.
GULF OF DANZIG:							
6995 C 3087	-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 C 3090	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 C 3091	-Mierzeja Wislana	54° 24.3' N 19° 30.5' E	Q.W.	289 88		Grey quadrilateral latticed tower; 262.	Obstruction. Aero light Obstruction.
7036 C 3251	--Piaski Range, front	54° 25.9' N 19° 36.1' E	Fl.R. period 5s fl. 1s, ec. 4s	20 6	4	Red pipe, white triangle, point up daymark red border stripe.	
7040 C 3251.1	--Rear, 145 meters 304° from front	54° 25.8' N 19° 36.0' E	Fl.R. period 5s fl. 1s, ec. 4s	30 9	4	Red tower, gallery, white triangle, point down daymark red border.	
7048 C 3095	-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 quadrilateral latticed tower, black stripe; 62.	Visible 130°36'-142°36' Marks boundary between Poland and Russia.
7052 C 3095.1	--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 quadrilateral latticed tower, black stripe; 72.	Visible 130°36'-142°36'. Synchronized with front.
RUSSIA-BALTIC SEA							
GULF OF DANZIG:							
7056 C 3096	--Gross Brukh	54° 31.4' N 19° 44.6' E	Fl.W. period 4s fl. 1.5s, ec. 2.5s	164 50	8	Black metal tower, white; 95.	
7060 C 3100	--Entrance Range, front	54° 38.6' N 19° 53.0' E	Oc.W. period 12s lt. 9s, ec. 3s	39 12	12	Red metal tower, white square and trapezoid daymarks, black stripe; 69.	Visible 116°6'-128°6' Shown 24 hours. Pilot signal. Traffic signals. Storm Signal.
7064 C 3100.1	--Rear, 770 meters 122°06' from front	54° 38.3' N 19° 53.6' E	Oc.W. period 12s lt. 9s, ec. 3s	98 30	16	White round tower, two galleries; 98.	Visible 265°-190° Shown 24 hours. Synchronized with front.
7114 C 3255	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 banded, triangle, point up daymark; 72.	Reserve light range 9M.
7116 C 3256	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. 1.5s	180 55	21	Red octagonal tower, dwelling; 98.	Reserve light Iso.W. 4s 13M. Shown in reduced visibility. Storm Signal. Radiobeacon. Horn: Mo.(A) ev. 15s

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RUSSIA-BALTIC SEA							
PIONERSKIY:							
7119 C 3257	-Pionerskiy Range, front	54° 57.3' N 20° 13.3' E	Iso.R. period 4s	95 29	7	Quadrilateral latticed tower, white rectangular daymark black stripe; 66.	Visible in line of range (vorlo) Reserve light range 7M.
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	Quadrilateral latticed tower, white rectangular daymark black stripe; 52.	Visible 303°-29° Reserve light range 7M.
7120 C 3259.6	-Inner Mole Spur	54° 57.0' N 20° 13.0' E	FI.G. period 3s fl. 1s, ec. 2s	23 7	1	Green column, white banded; 16.	
7123 C 3258	-N. mole, head	54° 57.6' N 20° 13.0' E	FI.Y. period 4s fl. 1s, ec. 3s	39 12	4	Red square metal tower; 26.	
7124 C 3259.5	-S. mole, head	54° 57.5' N 20° 13.0' E	FI.R. period 3s fl. 1s, ec. 2s	23 7	1	Red column, white banded; 16.	
7128 C 3262	Mys Gvardeyskiy	54° 57.5' N 20° 16.1' E	FI.W. period 4s fl. 1s, ec. 3s	164 50	18	Latticed tower, black white rectangular daymark; 131.	
7130 C 3270	Lesnoy	55° 01.0' N 20° 36.8' E	FI.(2)W. period 9s fl. 1s, ec. 2s fl. 1s, ec. 5s	144 44	17	Quadrilateral latticed tower, red rectangular daymark white banded; 131.	Reserve light range 9M.
KURSHSKIY ZALIV:							
7132 C 3277	-Rybackiy	55° 10.2' N 20° 50.6' E	Mo.(A)W. period 6s	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	FI.(2)W.R.G. period 6s	16 5	W. 9 R. 6 G. 5	Post, red triangle, point up daymark.	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	FI.(2)W. period 6s	30 9	9	Mast, red triangle, point down daymark.	Visible in line of range (vorlo) Synchronized with front.
7144 C 7588	Brantevik Range, front	55° 30.8' N 14° 21.0' E	F.R.	23 7		Post.	Fishing light.
7148 C 7588.1	-Rear, 85 meters 253° from front	55° 30.7' N 14° 21.0' E	F.R.	36 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. -159°24' 150, W. -222°6', G. -237°42', W. -279°24', R. -285°, W. -357°6', R. -10°.
7156 C 7586	-Simrislund Range, front	55° 32.0' N 14° 22.0' E	F.R.	16 5		White triangle, point up daymark red border stripe.	
7160 C 7586.1	--Rear, 35 meters 293° from front	55° 32.0' N 14° 21.5' E	F.R.	23 7		White triangle, point down daymark red border stripe.	
7164 C 7584	-Range, front, on W. pier	55° 33.5' N 14° 21.3' E	Q.R.	33 10	9	Metal tower, framework, red triangle, point up daymark.	Visible in line of range (vorlo)
7168 C 7584.1	--Rear, 105 meters 249°30' from front	55° 33.5' N 14° 21.1' E	Q.R.	39 12	9	Metal tower, framework, red triangle, point down daymark.	Visible in line of range (vorlo) Synchronized with front.
7176 C 7578	Baskemolla Range, front	55° 35.6' N 14° 18.9' E	F.R.	20 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.	20 6		Mast, white triangle, point up daymark.	Occasional Fishing light.

(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.	30 9		Mast, white triangle, point down daymark.	Occasional Fishing light.
7192 C 7573	Vitemolla Range, front	55° 41.9' N 14° 12.5' E	F.G.	20 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	FI.G. period 3s	10 3	2	Post.	
7199 C 7572.62	-S. breakwater	55° 51.5' N 14° 14.3' E	FI.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 latticed tower, red triangle, point up daymark.	Visible in line of range (vorlo)
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	49 15	W. 14 R. 11 G. 10	White latticed tower, red triangle, point down daymark.	R. 276°42'-279°48', G. -288°30', W. -290°30', R. -310°6', G. -316°54', R. -0°.
7216 C 7570	-Revhaken Range, front	55° 55.1' N 14° 20.2' E	Iso.W. period 3s	23 7	6	Latticed tower, red triangle, point up daymark.	Visible in line of range (vorlo)
7220 C 7570.1	--Rear, 550 meters 254°24' from front	55° 55.0' N 14° 19.7' E	Q.W.	46 14	7	Latticed tower, red triangle, point down daymark.	Visible in line of range (vorlo)
7222 C 7572.3	-Ahus Range, front	55° 55.7' N 14° 19.3' E	Q.R.	115 35	12	Latticed tower, red triangle, point up daymark.	
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 triangle, point down daymark.	
7240 C 7564	Lagerholmen	55° 57.9' N 14° 28.2' E	FI.W.R.G. period 5s fl. 1s, ec. 4s	56 17	W. 9 R. 6 G. 5	White concrete tower; 56.	R. 359°54'-34°42', G. -55°36', W. -84°54', R. -114°6', G. -144°6', W. -148°6', R. -192°6', G. -196°6', 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 triangle, point up daymark.	
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 triangle, point down daymark.	
7260	Taggen Buoy	55° 53.7' N 14° 35.0' E	Q.(3)W. period 10s			E. CARDINAL Black column, black topmark, yellow banded, black.	
SOLVESBORG:							
7264 C 7552	-Tunoren	56° 00.1' N 14° 32.1' E	Iso.W.R.G. period 4s	30 9	W. 7 R. 5 G. 4	White latticed mast, red square daymark.	G. 204°6'-308°30', W. -318°30', R. -356°18', G. -118°42', W. -131°18', R. -204°6' 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 latticed tower, red diamond (rhombus) daymark.	Visible in line of range (vorlo)
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 latticed tower, red diamond (rhombus) daymark.	Visible in line of range (vorlo)

(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 latticed tower, red triangle, point up daymark.	Visible in line of range (vorlo)
7280 C 7556.1	--Rear, 175 meters 019° from front	56° 02.8' N 14° 35.6' E	Q.G.	23 7	5	White latticed tower, red triangle, point down daymark.	Visible in line of range (vorlo)
7284 C 7551	Torso Range, front	55° 60.0' N 14° 39.0' E	F.R.	13 4	3	Post.	Seasonal 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	FI.(2)W.R.G. period 6s	39 12	W. 8 R. 6 G. 5	Red tower, white top; 36.	R. 287°-303°48' 225, G. -314°54', W. -5°48', R. -16°54', G. -56°6', R. -78°54', G. -152°.
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°-16°30', W. -24°, R. -40°.
7300 C 7550	-S. breakwater, head	56° 00.5' N 14° 42.0' E	FI.W. period 6s	30 9	9	White metal tower; 23.	
NOGERSUND:							
7304 C 7544	-E. breakwater, head	56° 00.1' N 14° 44.1' E	F.G.	16 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 latticed tower, red triangle, point up daymark.	Visible in line of range (vorlo)
7312 C 7546.1	--Rear, 87 meters 008° from front	56° 00.3' N 14° 44.1' E	F.R.	39 12	10	White latticed tower, red triangle, point down daymark.	Visible in line of range (vorlo)
7316 C 7538	Hano	56° 00.8' N 14° 50.8' E	FI.(3)W. period 12s	230 70	23	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	FI.(2)W.R.G. period 6s	36 11	W. 8 R. 6 G. 5	Grey latticed tower.	G. 0°6'-20°6', W. -54°12', R. -133°54', G. -149°54', W. -239°, R. -255°6', G. -268°12'.
7328 C 7540	Hano Hamn Range, front	56° 01.0' N 14° 50.0' E	F.R.	20 6	3	Post, red triangle, point up daymark.	Fishing light.
7332 C 7540.1	-Rear, 140 meters 129° from front	56° 00.6' N 14° 50.2' E	F.R.	30 9	3	Post, red triangle, point down daymark.	Fishing light.
7336 C 7541	Hano Range, front	56° 00.8' N 14° 50.1' E	F.G.	36 11	7	Post, red circle daymark white border stripe.	Visible in line of range (vorlo) Marks power cable. 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, white border.	Visible in line of range (vorlo)
7344 C 7535	Listershovud Range, front	56° 02.0' N 14° 46.8' E	F.G.	62 19	7	Mast, white triangle, point up daymark red border stripe.	Visible in line of range (vorlo) Marks power cable. 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 triangle, point down daymark red border stripe.	Visible in line of range (vorlo)
7352 C 7534	Listershovud, E. point	56° 02.1' N 14° 46.8' E	FI.(4)W.R.G. period 12s	39 12	W. 9 R. 6 G. 5	White tower.	G. 152°-194°18', W. -207°42', R. -229°, G. -246°54', W. -274°18', R. -286°, G. -319°, W. -349°30', R. -4°, G. -17°.
7356 C 7530	Krokas Range, front	56° 03.0' N 14° 46.0' E	F.R.	30 9		Post.	Fishing light.
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.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-SOUTHEAST COAST							
7364 C 7532	Horvik	56° 02.6' N 14° 46.1' E	FI.W.R.G. period 2s	20 6	W. 5 R. 3 G. 2	White latticed 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	FI.W.R.G. period 4s	20 6	W. 6 R. 4 G. 3	Lantern, grey base.	W. 170°-243°, R. -249°, G. - 287° Fishing light. Shown Apr. 1 to Sep. 30. Seasonal.
7376 C 7527.7	Norje Range, front	56° 07.2' N 14° 42.2' E	F.R.	23 7	8	Post, white triangle, point up daymark black border stripe.	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 triangle, point down daymark black border stripe.	Occasional.
7382 C 7527.8	Ljungholmen Range, front	56° 09.3' N 14° 43.8' E	F.G.	20 6	6	Post, white triangle, point up daymark orange border stripe.	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 triangle, point down daymark orange border stripe.	Occasional.
7384 C 7527.6	Skapehale	56° 09.3' N 14° 44.3' E	F.R.	20 6	3	Post, orange square daymark.	Seasonal 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	36 11	W. 14 R. 11 G. 10	White column, red banded, red white triangle, point down daymark.	G. 273°54'-294°42', R. - 305°54', G. -323°12', W. -326°48', R. -339°48', G. -32°42', R. -54° Partially obsured 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	Post, orange triangle, point up daymark white border stripe.	
7400 C 7527.31	--Rear, 132 meters 346°12' from front	56° 09.7' N 14° 48.7' E	F.G.	49 15	7	Post, orange triangle, point down daymark white border stripe.	
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	30 9	W. 13 R. 10 G. 9	Metal column, orange triangle, point up daymark red border stripe.	R. 353°-3°, G. -5°24', W. - 12°18', R. -16°, G. -52°, 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 triangle, point down daymark red border stripe.	Shown 24 hours Nov. 1 to Mar. 31. Shown 24 hours Nov. 1 to Mar..
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. -26°12', G. - 40°54', W. -43°24', R. - 98°, 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. UNINTENSIFIED85°-99°, 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.	23 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	FI.W.R.G. period 3s	20 6	W. 11 R. 8 G. 7	White lantern.	G. 323°-336°24', W. - 358°54', R. -13°, G. - 143°, W. -149°, R. -163°.

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SWEDEN-SOUTHEAST COAST							
7426 C 7518	-Vagga	56° 09.3' N 14° 53.1' E	Fl.(2)W.R.G. period 4s	10 3	W. 8 R. 6 G. 5	White latticed tower.	G. 337°54'-344°12', W. - 354°12', R. -0°18', W. UNINTENSIFIED-0°18' Fishing light. Shown Jul. 15 to May 15. Seasonal.
7428 C 7517	-Vagga Sodra	56° 09.1' N 14° 53.1' E	Fl.(3)W.R.G. period 9s	16 5	W. 6 R. 4 G. 3	White mast.	R. 9°-120°, W. -224°, R. - 309°, G. -348°, W. -9°.
7432 C 7520	-On quay Range, front	56° 09.8' N 14° 52.0' E	Iso.R. period 2s	33 10	10	Building, red triangle, point up daymark white border stripe.	Visible in line of range (vorlo) .
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	10	Latticed tower, red triangle, point down daymark white border stripes.	Visible in line of range (vorlo) .
7440 C 7524	-Sutudden Range, front	56° 09.5' N 14° 51.6' E	Iso.G. period 3s	59 18	8	Mast, orange triangle, point up daymark.	Visible in line of range (vorlo) .
7444 C 7524.1	--Rear, 410 meters 318° from front	56° 09.6' N 14° 51.4' E	Q.G.	121 37	8	Mast, orange triangle, point down daymark.	Visible in line of range (vorlo) .
7448 C 7525	-Sutudden pier, head	56° 09.5' N 14° 51.7' E	F.R.	20 6	3	Post.	
7452 C 7526	-Vindhamn Range, front	56° 09.0' N 14° 51.0' E	F.R.	46 14	8	Orange triangle, point up daymark.	Visible in line of range (vorlo) .
7456 C 7526.1	--Rear, 60 meters 206°30' from front	56° 08.7' N 14° 15.1' E	F.R.	56 17	8	Orange triangle, point down daymark.	Visible in line of range (vorlo) .
7460 C 7527	-Kastellet pier, head	56° 09.5' N 14° 51.8' E	F.G.	20 6	3	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°6'-1°48', W. -17°, R. - 28°54'.
RONNEBY APPROACH:							
7468 C 7490	-Gasfeten, Ronneby, W. entrance	56° 07.3' N 15° 13.4' E	L.FI.(2)W.R.G. period 15s	39 12	W. 9 R. 7 G. 6		R. 267°6'-297°, G. -0°48'; W. -47°18', R. -198°. Radar reflector.
	RACON		G(- - -)		13		(3 & 10 cm).
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	13 4	15	Brown lantern, white.	
7476 C 7492.1	--Rear, 1.2 kilometers 018°30' from front	56° 09.8' N 15° 14.5' E	Q.W.	33 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	16 5	5	Orange pedestal, red orange triangle, point up daymark.	
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 triangle, point down daymark.	
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	Grey latticed 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	13 4	W. 7 R. 4 G. 4	Orange pedestal, white diamond (rhombus) daymark.	G. 50°48'-64°30', W. - 67°30', R. -81°.
7504 C 7504	-Sandviken	56° 10.4' N 15° 18.4' E	Fl.(4)W.R.G. period 12s	16 5	W. 7 R. 5 G. 5	Orange pedestal, white diamond (rhombus) daymark.	G. 14°30'-29°48', W. -32°6', R. -36°48'.
7508 C 7506	-Ronneby Range, front	56° 10.6' N 15° 18.1' E	F.R.	46 14		Post, red triangle, point up daymark.	
7512 C 7506.1	--Rear, 150 meters 358° from front	56° 10.7' N 15° 18.1' E	F.R.	59 18		Post, red triangle, point down daymark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-SOUTHEAST COAST							
7520 C 7453.2	Ronneskar	56° 07.7' N 15° 23.0' E	I.V.Q.W.R.G. period 6s	30 9	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. -13°54', R. -43°24'.
KARLSKRONA APPROACH:							
7524 C 7453.6	-Kasaskar Range, front	56° 06.6' N 15° 25.7' E	Iso.W. period 4s	16 5	7	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 10	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. 0°-40°, W. -45°, R. -60° Fishing light.
7536 C 7453.4	-Asla	56° 05.7' N 15° 25.6' E	Fl.(3)W.R.G. period 9s	20 6	W. 6 R. 4 G. 3	White lantern.	R. 282°-299°, G. -328°, W. - 25°, R. -97°, G. -116°, R. -197° Fishing light. Shown Jul. 15 to May 15. Seasonal.
7540 C 7452.6	-Bollo	56° 05.5' N 15° 29.0' E	L.FI.W.R.G. period 10s fl. 2s, ec. 8s	30 9	W. 7 R. 5 G. 4	Latticed tower, white rectangular daymark.	G. 313°-349°, W. -9°, R. -75° G. -90° 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	26 8	6	Post, red triangle, point up daymark.	
7548 C 7454.1	--Rear, 250 meters 343° from front	56° 06.2' N 15° 28.4' E	Oc.R. period 3s	39 12	6	Post, red triangle, point down daymark.	Synchronized with front.
7552 C 7454.3	-Garpaviken	56° 06.1' N 15° 28.6' E	Q.W.	16 5	6	Post.	
7556 C 7460	-Stumholmen (Karlskrona) Range, front	56° 09.5' N 15° 35.8' E	Iso.R. period 6s	72 22	16	White round concrete tower; 79.	
7560 C 747	--Rear, 1.3 km. 012°30' from front	56° 10.2' N 15° 36.1' E	Iso.R. period 3s	121 37	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	6	Red and white dolphin.	Flood light.
	RACON		K(- - -)		4		(3 & 10 cm).
7566 C 7447	-Ostra Forsankningen	56° 06.5' N 15° 34.9' E	Iso.G. period 2s	16 5	4		Flood light.
7568 C 7448	-Kungsholmen	56° 06.6' N 15° 35.4' E	F.R.G.	16 5	R. 6 G. 5	Latticed tower.	R. 148°36'-205°6', G. - 148°36'. Flood light.
7572 C 7449	-Godnatt, in Karlsdrona Road	56° 08.5' N 15° 35.7' E	Fl.W.R.G. period 3s	66 20	W. 11 R. 8 G. 7	Grey fort.	G. 3°18'-13°48', W. -17°24', R. -28°, G. -55°48', R. - 73°18', G. -79°24', W. - 82°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. -3°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. 5°48'-47°12', W. -49°48', R. -70°48', G. -112°, R. - 181°48', G. -251°30', R. - 303°6', G. -328°18', W. - 331°18', R. -5°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	Latticed tower; 20.	G. 308°-320°12', R. - 326°30', G. -11°42', W. - 14°6', R. -28°42', G. - 52°36', R. -121°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-SOUTHEAST COAST							
7584 C 7450.5	-Aspeskar	56° 08.5' N 15° 37.8' E	F.W.R.G.	20 6	W. 6 R. 4 G. 3	Post.	G. 304°-326°, W. -333°, R. -50°30', G. -72°, W. -126°, R. -140°. Occasional.
7588 C 7462	-Laboratoriehölm, at Karlskrona	56° 09.7' N 15° 36.0' E	Iso.W.R.G. period 4s	36 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°6', W. -283°12', R. -313°30', G. -326°42', W. -339°6', 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 in line of range (vorlo)
7596 C 7464.1	--Rear, 95 meters 300° from front	56° 09.9' N 15° 38.5' E	Q.R.	43 13	7	Post.	Visible in line of range (vorlo) 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 triangle, point up daymark.	
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 triangle, point down daymark.	
7608 C 7472	-Oljehamn Range, front	56° 10.1' N 15° 35.7' E	Iso.R. period 4s	10 3	7	Post, red triangle, point up daymark.	
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 triangle, point down daymark.	
7616 C 7476	Verko, W. side	56° 10.2' N 15° 37.8' E	FI.(2)W.R.G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	26 8	W. 7 R. 5 G. 4	White latticed tower, white rectangular daymark.	G. 17°-23°42', W. -26°, R. -35°30'.
7620 C 7480	-Nattraby	56° 11.3' N 15° 32.8' E	FI.R. period 3s	7 2	8	Red latticed structure, frame.	
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°-11°36', W. -13°30', R. -35°.
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 triangle, point up daymark.	R. 219°30'-341°30', G. -7°30', W. -10°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 triangle, point down daymark.	Fishing light.
7640 C 7451	Ekenabbens Fiskehamn Range, front	56° 06.1' N 15° 38.2' E	F.R.	26 8	2	Post, white triangle, point up daymark.	Fishing light.
7644 C 7451.1	-Rear, 60 meters 143° from front	56° 06.0' N 15° 38.3' E	F.R.	26 8	2	Post, white triangle, point down daymark.	Fishing light.
7648 C 7438.8	Flotjen	56° 02.5' N 15° 46.0' E	FI.W.R.G. period 3s	33 10	W. 6 R. 4 G. 3	White tower; 33.	R. 337°-9°30', G. -35°, W. -52°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.	20 6	W. 4 R. 3 G. 2	White pedestal, lantern.	R. 334°-355°, G. -62°, W. -69°, 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.	20 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	16 5	7	Latticed tower, white rectangular daymark.	Visible in line of range (vorlo)
7668 C 7434.1	-Rear, 300 meters 307° from front	56° 04.0' N 15° 49.0' E	Q.W.	26 8	6	Latticed tower, white rectangular daymark.	
7672 C 7436	Hommenabben Range, front	56° 03.7' N 15° 49.5' E	Iso.R. period 4s	16 5	5	Latticed tower, red triangle, point up daymark.	Visible in line of range (vorlo)

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-SOUTHEAST COAST							
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	26 8	W. 6 R. 4 G. 3	Latticed tower, red triangle, point down daymark.	R. 250°18', G. -285°42', W. - 318°54', R. -1°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	Latticed tower, white rectangular daymark.	G. 2°30'-13°30', W. -16°30', R. -44°. 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.
SWEDEN-BALTIC SEA							
7692	Mocklosundbron Swingbridge	56° 08.0' N 15° 45.0' E	Q.R.G.			Signal lights shown from operator's roof.	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 latticed tower, on old 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, on 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, on white pedestal.	Fishing light.
7708 C 7440	Utlangan	56° 00.8' N 15° 47.3' E	Oc.(2)W.R.G. period 12s	43 13	W. 15 R. 12 G. 10	White tower, black top.	G. 225°42'-232°, W. -11°, R. -22°30', G. -53°, W. - 107°30', R. -115°, G. - 126°12'.
7712 C 7431	Sandhamn Range, front	56° 05.5' N 15° 51.5' E	F.R.	16 5	8	Post, white triangle, point up daymark.	Fishing light.
7716 C 7431.1	-Rear, 500 meters 344°30' from front	56° 05.8' N 15° 51.4' E	F.R.	39 12	8	Post, white triangle, point down daymark.	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 masonry tower, black banded; 138.	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, grey base; 115.	On NE and SW sides. On NW and SE bearings both lights can be seen. Helicopter Platform.
RACON							
			OE(---)		17		(3 & 10 cm).
			Q.W.		3		

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
7728 C 7276	-Grasgard Range, front	56° 19.0' N 16° 31.8' E	F.R.	20 6		White latticed tower, white triangle, point up daymark.	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 latticed tower, black triangle, point down daymark.	Fishing light.
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 masonry tower; 72.	G. 175°-205°48', W. -5°54', R. -25° 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 triangle, point up daymark, black border stripe.	
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 triangle, point down daymark, black border stripe.	
7740 C 7270	-Kapelludden	56° 49.2' N 16° 50.7' E	L.FI.W. period 10s fl. 2s, ec. 8s	98 30	12	Red latticed tower; 105.	Visible 187°24'-64°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	Post, white triangle, point up daymark, red border stripe.	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 triangle, point down daymark, red border stripe.	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	72 22	12	White latticed 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	102 31	14	White round masonry tower; 105.	Visible 48°-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 triangle, point up daymark, black border stripe.	Visible in line of range (vorlo)
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 triangle, point down daymark, black border stripe.	Visible in line of range (vorlo)
KALMARSUND:							
7768 C 7422	-Kristianopel Fishing Range, front	56° 15.4' N 16° 02.8' E	F.R.	30 9	4	Post, white triangle, point up daymark, red border stripe.	Fishing light. Shown 24 hours Aug. 1 to May 31. Flood light.
7772 C 7422.1	--Rear, 340 meters 311° from front	56° 15.5' N 16° 02.5' E	F.R.	46 14	4	Post, white triangle, point down daymark, red border stripe.	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	89 27	W. 16 R. 13 G. 12	Grey concrete tower; 89.	R. 201°-210°, G. -253°, W. -269°30', R. -306°42', W. -4°, R. -27°6', W. UNINTENSIFIED88°18'-128°42' Shown 24 hours Nov. 1 to Mar. 31.
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 with gallery on base.	G. 132°6'-185°, W. -193°36', R. -231°36', G. 316°6'-348°6', W. -19°54', R. -57°36'.
			F.R.	295 90			On top of mast. Obstruction.
	RACON		N(- ·)		10		(3 & 10 cm).
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.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
7782.2 C 7421.11	--Windmotor T4	56° 20.7' N 16° 17.0' E	Fl.Y. period 3s	33 10	5		On top of structure.
			F.R.				
7783 C 7421	--Windmotor T7	56° 21.2' N 16° 16.4' E	Fl.Y. period 3s	33 10	5		On hub.
			F.R.	213 65			
7784 C 7425	-Gronhogen Range, front	56° 16.0' N 16° 24.0' E	Iso.R. period 3s	26 8	9	Post, yellow triangle, point up daymark, red border stripe.	
7788 C 7425.1	--Rear, 80 meters 054° from front	56° 16.0' N 16° 24.1' E	Iso.R. period 3s	43 13	9	Post, yellow triangle, point down daymark, red border stripe.	Synchronized with front.
7792 C 7402	--S. Range, front	56° 20.8' N 16° 24.4' E	Iso.W. period 4s	56 17	8	Mast, white triangle, point up daymark, black border stripe.	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 24	8	Mast, white triangle, point down daymark, black border stripe.	Visible in line of range (vorlo)
7800 C 7400	--Inner Range, front	56° 21.0' N 16° 25.0' E	F.R.	26 8	7	White triangle, point up daymark, black border stripe.	Visible 18° Two F.R. lights in line and two F.G. lights in line 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 12	7	White triangle, point down daymark, black border stripe.	
7808 C 7408	--Dalskar Range, front	56° 23.5' N 16° 05.4' E	Q.W.R.G.	26 8	W. 7 R. 5 G. 4	Grey latticed tower, red triangle, point up daymark.	G. 295°-300°48', R. -327°12', G. -334°6', 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	46 14	7	Grey latticed tower, red triangle, point down daymark.	
7816 C 7410	--Outer Range, front	56° 22.8' N 16° 05.5' E	F.R.	30 9	4	Cairn, white square daymark.	
7820 C 7410.1	--Rear, 200 meters 263°30' from front	56° 22.8' N 16° 05.3' E	F.R.	49 15	4	Grey metal framework tower, black and white square over white triangle, point down daymark.	
7832 C 7394	--E. quay of harbor Range, front	56° 31.8' N 16° 22.5' E	F.R.	30 9	8	Orange triangle, point up daymark, black border stripe, on roof of shed.	
7836 C 7394.1	--Rear, 200 meters 127°30' from front light	56° 31.7' N 16° 22.7' E	F.R.	56 17	8	Metal framework tower, orange triangle, point down daymark, black border.	
7844 C 7390	-Skansgrundet	56° 39.1' N 16° 22.5' E	Oc.(2)W.R.G. period 20s	59 18	W. 15 R. 12 G. 11	Black tower, green banded, gray conical base, white lantern; 62.	W. 196°48'-202°36', R. -249°30', G. -256°24', R. -8°12', G. -19°, W. -24°36', R. -31°54', G. -58°, 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 4		White post.	
7852 C 7380	--S. breakwater, head	56° 39.0' N 16° 27.6' E	F.G.	13 4		White post.	
7864 C 7360	--Harbor entrance Range, front	56° 39.7' N 16° 22.2' E	Q.R.	26 8	8	Latticed tower, red and white daymark.	
7868 C 7360.1	--Rear, 50 meters 277° from front	56° 39.7' N 16° 22.1' E	Iso.R. period 4s	36 11	8	Latticed tower, red and white daymark.	
7872 C 7358.4	-Huvudet	56° 40.0' N 16° 23.1' E	Fl.(3)R. period 4s	20 6	6	Red tower, black base; 23.	

(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	FI.R. period 3s	20 6	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	33 10	W. 15 W. 10 R. 12 G. 10	White tower, green and black stripes; 36.	W. 22°30'-31°36', R. -59°6', G. -104°24', W. -184°54', R. -215°24', G. -222°30', W. -226°48', R. -283°24', G. -22°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 39	3		On N. and S. sides.
	RACON		-9()		6		(3 & 10 cm).
7888 C 7354.2	--N. side, W	56° 40.7' N 16° 23.7' E	F.R.	118 36	13		
7892 C 7354.4	---E	56° 40.7' N 16° 23.8' E	F.G.	118 36	12		
7896 C 7354.6	--S. side, W	56° 40.7' N 16° 23.7' E	F.R.	118 36	13		
7900 C 7354.8	---E	56° 40.7' N 16° 23.8' E	F.G.	118 36	12		
7902 C 7356	-Svensknabban Range, front	56° 41.2' N 16° 22.3' E	Q.R.	16 5	9	Post, white triangle, point up daymark.	
7902.1 C 7356.1	--Rear, 560 meters 251° from front	56° 41.1' N 16° 21.7' E	Iso.R.	33 10	9	Post, white triangle, point down daymark.	
7904 C 7350	-Masknaggen	56° 43.8' N 16° 28.2' E	Q.W.R.G.	33 10	W. 14 R. 11 G. 10	Black tower, gray base, orange top; 36.	W. 42°18'-47°12', R. -72°24', G. -124°12', R. -190°18', G. -223°48', W. -231°24', R. -237°36', G. -42°18'. Flood light.
7908 C 7349	-Ispeudde	56° 44.6' N 16° 30.8' E	L.FI.(2)W.R.G. period 12s fl. 2s, ec. 2s fl. 2s, ec. 6s	23 7	W. 13 R. 10 G. 9	White tower; 23.	G. 44°-53°, W. -57°, R. UNINTENSIFIED-88°, G. -166°, W. -191°, R. -198°30'.
7912 C 7370	--Range, front	56° 39.0' N 16° 27.8' E	Iso.R. period 1.5s	13 4	2	Post, white triangle, point up daymark.	Visible in line of range (vorlo) Temporarily extinguished 2016.
7916 C 7370.1	---Rear, 140 meters 103° from front	56° 39.0' N 16° 28.0' E	Iso.R. period 1.5s	30 9	2	Post, white triangle, point down daymark.	F.R. and F.G. lights mark breakwater heads. Synchronized with front.
7920 C 7348	-Olandskablaras South Limit Range, front	56° 45.0' N 16° 31.5' E	F.R.	26 8	9	Yellow latticed tower, yellow triangle, point up daymark.	Visible in line of range (vorlo) Marks the SW limit of cable area.
7924 C 7348.1	--Rear, 60 meters 122° from front	56° 45.0' N 16° 31.5' E	F.R.	43 13	9	Yellow latticed tower, yellow triangle, point down daymark.	Visible in line of range (vorlo)
7944 C 7342	-Olandskablaras North Limit Range, front	56° 46.8' N 16° 28.8' E	F.R.	26 8	9	Yellow latticed tower, yellow triangle, point up daymark.	Visible in line of range (vorlo) Marks the NE limit of cable area.
7948 C 7342.1	--Rear, 75 meters 298° from front	56° 46.8' N 16° 28.7' E	F.R.	43 13	9	Yellow latticed tower, yellow triangle, point down daymark.	Visible in line of range (vorlo)
7952 C 7340	-Sillasen	56° 45.8' N 16° 29.8' E	FI.(3)W.R.G. period 8s	66 20	W. 8 R. 6 G. 4	Black tower, gray conical base, white top; 72.	G. 190°30'-196°30', W. -200°, R. -264°30', G. -356°, W. -8°30', R. -33°, G. -46°, R. -190°30' Shown 24 hours Nov. 1 to Mar. 31. Flood light.
7958 C 7334	--W	56° 52.6' N 16° 38.1' E	Oc.W.R. period 4s	16 5	W. 5 R. 3	Tower.	W. 25°-177°48', R. -235° Shown May 1 to Sep. 30.
7960 C 7336	--Outer harbor Range, front	56° 52.7' N 16° 38.9' E	Q.W.	23 7	2	Metal framework tower, white triangle, point up daymark, red border stripe.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
7964 C 7336.1	--Rear, 200 meters 111° from front	56° 52.7' N 16° 39.0' E	Oc.W. period 6s	43 13	2	Metal framework tower, white triangle, point down daymark, red border stripe.	
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	33 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	66 20	W. 8 R. 6 G. 4	Black tower, green banded, lantern, gray conical base; 69.	G. 184°-202°, W. -208°, R. -359°, G. -18°, W. -22°, R. -48°, G. -98°, R. -184°.
7980 C 7328	--Okno Range, front	57° 00.2' N 16° 32.0' E	Q.W.	16 5	12	Lantern on white hut, red rectangular daymark, white stripe.	Visible in line of range (vorlo)
7984 C 7328.1	--Rear, 300 meters 270°30' from front	57° 00.2' N 16° 31.7' E	Iso.W. period 2s	39 12	12	Lantern on white hut, red rectangular daymark, white stripe, lantern.	Visible in line of range (vorlo)
7988 C 7330	--Karshamngrund Range, front	57° 00.8' N 16° 31.4' E	Iso.W.R.G. period 4s	10 3	W. 4 R. 2 G. 2	Lantern on stone pedestal.	W. 132°-85°, 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.FI.W.R.G. period 8s	66 20	W. 10 R. 7 G. 6	Orange tower, black band, grey base; 70.	W. 169°-209°, R. -10°, G. -21°, W. -24°30', R. -120°, G. -169° Shown 24 hours Nov. 1 to Mar. 31.
	RACON		B(- . . .)		16		(3 & 10 cm).
8000 C 7326	-Sandvik Range, front	57° 04.2' N 16° 51.3' E	Q.R.	23 7	7	Post, yellow triangle, point up daymark, red border stripe.	
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 triangle, point down daymark, red border stripe.	
8008 C 7318	-Asehorn Kalmarsud Range, front	57° 06.9' N 16° 32.1' E	Oc.R. period 6s	75 23	13	Red lattice metal tower, red triangle, point up daymark.	
8012 C 7318.1	--Rear, 800 meters 212° from front	57° 06.5' N 16° 31.6' E	Oc.R. period 6s	128 39	13	Red lattice metal tower, red triangle, point down daymark; 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 triangle, point up daymark.	R. 57°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	Unsurfaced, red and white latticed tower, red triangle, point down daymark.	Visible in line of range (vorlo)
8022 C 7321	-Norsto Range, front	57° 07.0' N 16° 33.7' E	Q.W.	23 7		Red and yellow latticed 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 latticed mast; 23.	
8032 C 7317	-Paskallavik Range, front	57° 09.7' N 16° 27.8' E	F.R.	20 6	2	Rectangular daymark.	Fishing light.
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.
8052 C 7292	-Finnevet	57° 16.6' N 16° 38.1' E	Fl.(2)W.R.G. period 6s	46 14	W. 8 R. 6 G. 5	White tower, black banded, gray conical base; 52.	G. 155°48'-215°, W. -227°54', R. -238°54', G. -253°12', W. -264°54', R. -290°18', W. -34°30', R. -82°, G. -88°6', W. -90°, R. -116°42'. Flood light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
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 triangle, point up daymark.	R. 264°-282°, G. -288°, W. - 290°30', R. -318°, G. - 339°, R. -20°, R. UNINTENSIFIED-55° 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 triangle, point down daymark.	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	36 11	W. 14 W. 12 R. 9 G. 8	Red latticed tower, white lantern.	G. 264°24'-270°, W. - 272°12', R. -293°, W. - 326°24' Shown 24 hours Nov. 1 to Mar. 31. Intensified on range line only.
			Iso.W.R.G. period 4s				Intensified on range line only. Rear 8078.
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	Latticed tower, red triangle, point down daymark.	Visible in line of range (vorlo) 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 latticed tower, red triangle, point down daymark.	Visible in line of range (vorlo)
8084 C 7299	-Arnemar Range, front	57° 15.7' N 16° 29.4' E	Mo.(N)W.R.G. period 10s fl. 3s, ec. 1s fl. 3s, ec. 5s	26 8	W. 12 R. 9 G. 8	Piles, 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	20 6	W. 10 R. 7 G. 6	Orange metal post.	G. 136°-231°54', W. -236°, R. -244°, G. -251°6'.
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 triangle, point down daymark.	
8100 C 7300	-Badholmen	57° 15.9' N 16° 27.3' E	Dir.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	43	W. 287°-289°30', R. - 313°24', G. -346°48', R. - 75°36', G. -98°54', R. - 159°18', G. -243°36', R. - 274°12', G. -287° Shown 24 hours. Flood light.
	RACON		O(---)		12		Flood light.(3 & 10 cm).
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. 30°-42°, 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 triangle, point up daymark.	Flood light.
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	Building, red triangle, point down daymark.	
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 structure; 7.	G. 182°24'-237°, W. - 245°30', R. -251°48', G. - 264°36', R. -351°6'. Flood light.
8125 C 7147	-Simpevarp Range, front	57° 24.5' N 16° 40.5' E	Iso.R. period 4s	36 11	12	Latticed 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	Latticed 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.	R. 180°-199°, W. -227°, R. - 330°, G. -341°, W. -343°, R. -6°, G. -29°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
8148 C 7138	Galtbadan, 1.9 kilometers 016° from Soen light	57° 28.6' N 16° 44.7' E	Q.W.R.G.	20 6	W. 4 R. 3 G. 2	White pedestal.	G. 3°-8°, W. -11°, R. -73°30', W. -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	33 10	W. 5 R. 3 G. 2	White tower, black banded.	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 263°30' -298°, Obscured - 348°30', G. -355°30', W. -356°30', R. -0°.
8160 C 7132	Strupo Ljunskar	57° 30.8' N 16° 46.3' E	FI.(2)W.R.G. period 6s	43 13	W. 8 R. 6 G. 5	White concrete tower, black base; 30.	G. 255°-271°36', W. - 290°42', R. -312°, G. - 344°, R. -356°, G. -68°, R. -99°.
8164 C 7130	Vinokrakan	57° 30.8' N 16° 44.1' E	FI.W.R.G. period 3s	23 7	W. 7 R. 5 G. 4	White concrete tower, red banded, black base; 23.	G. 181°-273°18', W. - 275°24', R. -305°, G. - 349°. Flood light.
	RACON		G(- - +) period 30s		12		(3 & 10 cm).
8172 C 7124	Mannen	57° 33.0' N 16° 42.0' E	Iso.W.R.G. period 4s	16 5	W. 7 R. 5 G. 4	White lantern.	G. 308°36'-322°, W. -323°6', R. -52°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.	16 5	W. 5 R. 3 G. 3	White pedestal.	R. 236°12'-342°42', G. - 351°42', W. -358°48', R. -40°24'. Flood light.
8180 C 7120	Lilla Bergo, N. point	57° 33.0' N 16° 41.0' E	FI.W.R.G. period 3s	13 4	W. 6 R. 4 G. 3	White lantern.	G. 84°24'-219°, W. -228°30', R. -290°54'. Flood light.
8184 C 7118	Tunnholmen	57° 33.0' N 16° 41.0' E	FI.(2)W.R.G. period 6s	23 7	W. 6 R. 4 G. 4	White lantern.	G. 353°48'-80°48', W. - 83°54', R. -172°48', G. - 206°6', W. -208°36', R. - 218°24'. Flood light.
8188 C 7114	Vastra Ekno Range, front	57° 35.0' N 16° 43.0' E	Q.R.	23 7	5	White pedestal, red triangle, point up daymark.	Flood light.
8192 C 7114.1	-Rear, 250 meters 234° from front	57° 35.2' N 16° 42.5' E	Iso.R. period 2s	39 12	7	White pedestal, red triangle, point down daymark.	Flood light.
8196 C 7110	Alhallen	57° 36.0' N 16° 45.0' E	FI.(2)W.R.G. period 6s	36 11	W. 7 R. 5 G. 4	White concrete tower; 20.	G. 54°48'-66°12', W. - 68°36', R. -88°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	FI.W.R.G. period 3s	30 9	W. 7 R. 5 G. 4	Red metal tower, 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. -7°36' 2 F.R. range lights, Visible 320° 85 meters apart, shown at Handelops.
8208 C 7084	Hamnklabbshallan	57° 40.1' N 16° 47.8' E	FI.(2)W.R.G. period 6s	26 8	W. 6 R. 5 G. 3	White tower, green banded; 30.	R. 330°12'-342°54', G. - 73°30', W. -81°, R. - 108°48', G. -124°54', W. -133°18', R. -138°6'.
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. 9 R. 7 G. 6	White lantern on black tower, red band.	R. 5°6'-48°6', G. -88°12', R. -121°30', G. -192°54', W. -5°6' Shown 24 hours Nov. 1 to Mar. 31.
	RACON		K(- - -)		17		(3 & 10 cm).
8216 C 7082	Ido Stangskar	57° 40.3' N 16° 47.1' E	Q.W.R.G.	43 13	W. 8 R. 6 G. 5	White lantern.	G. 144°30'-150°, W. -152°6', R. -158°24', R. UNINTENSIFIED- 301°54', G. -320°42', W. -324°, R. -337°42'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
8218 C 7080	-Sparo, Front	57° 43.3' N 16° 45.2' E	FI.W.R.G. period 1.5s	33 10	W. 7 W. 6 R. 4 G. 3	White tower; 26.	G. 107°12'-108°24', R. -121°36', G. -189°42', G. 214°18'-229°6', W. -239°48', R. -280°6', G. -354°6', W. -358°18', R. -33° Intensified on range line only.
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	FI.(2)W.R.G. period 6s	23 7	W. 8 R. 6 G. 4	White lantern, green rectangular daymark.	R. 359°48'-6°6', 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.	G. 112°-133°30', R. -157°, R. UNINTENSIFIED-220°, R. -258°30', G. -268°, W. -269°18', R. -270°12', G. -279°30', R. -309°, G. -321°, R. -11°, G. -40°. Flood light.
	RACON		B(-...)		12		(3 & 10 cm).
8236 C 7074	-Slado Ask	57° 47.1' N 16° 48.3' E	Q.W.R.G.	30 9	W. 6 R. 5 G. 3	White concrete tower; 30.	R. 180°36'-273°24', G. -12°30', W. -16°48', R. -42°18'.
8240 C 7072	-Finnkarten	57° 46.7' N 16° 48.2' E	FI.(4)W.R.G. period 10s	33 10	W. 7 R. 5 G. 4	White concrete tower; 33.	G. 3°42'-18°54', W. -24°24', R. -43°48', G. -94°36', R. -157°12', G. -195°6', W. -199°36', R. -219°18'.
8244 C 7066	-Finnhallen	57° 52.1' N 16° 48.3' E	FI.W.R.G. period 3s	30 9	W. 8 R. 6 G. 5	White tower, red banded; 29.	G. 173°54'-186°48', W. -191°54', R. -249°6', G. -337°48', W. -341°42', R. -356°6'.
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°6'-30°. 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'-38°6'. Marks center of channel.
8252 C 7088.1	--Rear, about 1 km. 207° from front	57° 43.0' N 16° 43.1' E	Iso.W. period 2s		6	Latticed tower.	Marks center of channel. Visible on range line only.
8264 C 7098	-Borgo (Torkelborgen), NW. point	57° 43.8' N 16° 41.6' E	FI.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	23 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	23 7	W. 6 R. 4 G. 4	White lantern.	R. 326°-344°, G. -347°, W. -350°, R. -355°.
8284 C 7102	-Blockholmsundet, No 1, N. side	57° 45.5' N 16° 40.2' E	Iso.W.R.G. period 3s	16 5	W. 6 R. 4 G. 3	Green tower; 21.	G. 280°48'-300°36', W. -306°30', R. -119°24'. Flood light.
8288 C 7103	--N. side, No 2	57° 45.5' N 16° 40.1' E	Q.G.	16 5	3	Green pedestal.	Flood light. 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.	Flood light. 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.	Flood light. 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.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
8304 C 7068	Storklappen	57° 50.6' N 16° 50.9' E	L.FI.W.R.G. period 10s fl. 2s, ec. 8s	66 20	W. 11 R. 8 G. 7	Grey and brown tower.	R. UNINTENSIFIED 40°-62°48', G. UNINTENSIFIED-130°, G. -198°48', W. -344°, R. -40° 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; 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	16 5	W. 6 R. 4 G. 3	White building, green banded, lantern.	G. 312°18'-332°48', W. -343°42', R. -86°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 banded, lantern.	G. 181°12'-193°48', W. -206°18', R. -14°6'.
8320 C 7060	Jarnklint	57° 54.0' N 16° 49.0' E	FI.(2)W.R.G. period 6s	20 6	W. 6 R. 4 G. 3	White lantern.	G. 7°18'-20°48', W. -47°36', R. -89°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.	30 9	W. 6 R. 4 G. 3	White post, green band.	G. 12°18'-30°12', W. -210°6', R. -254°54', G. -279°42'.
8328 C 7056	Alen Range, front	57° 55.0' N 16° 49.0' E	Q.W.R.G.	16 5	W. 7 R. 4 G. 3	Pedestal, green banded, white lantern.	G. 72°24'-85°6', W. -90°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	56 17	W. 6 R. 4 G. 3	White concrete tower, white lantern; 20.	W. 69°6'-178°18', R. -268°18', G. -307°18', W. -313°12', R. -336°18'.
8336 C 7054	Foren	57° 54.0' N 16° 49.0' E	FI.(2)W.R.G. period 6s	20 6	W. 6 R. 4 G. 3	White pedestal.	R. 78°42'-142°42', G. -205°12', W. -210°6', R. -232°.
8344 C 7050	Prickhallan	57° 57.0' N 16° 49.0' E	FI.(2)W.R.G. period 6s	20 6	W. 5 R. 4 G. 3	White concrete tower, green banded, black base; 20.	R. 2°6'-45°24', G. -139°6', W. -154°36', R. -256°, G. -359°36', W. -2°6'.
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 banded.	G. 183°48'-205°18', W. -230°6', R. -304°30', G. -340°24', W. -344°30', R. -2°6'.
8352 C 7046	Algardsudde	57° 59.0' N 16° 49.0' E	L.FI.W.R.G. period 8s fl. 2s, ec. 6s	20 6	W. 4 R. 3 G. 2	White pedestal, red banded, lantern.	G. 140°-245°, R. -285°54', G. -6°54', W. -11°18', R. -20°6'.
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. -1°12', R. -5°48', G. -49°12', R. -129°6', 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.	36 11	W. 6 R. 4 G. 3	White pedestal, green banded, white square daymark.	G. 345°24'-2°18', W. -8°18', R. -86°48', W. -186°6'.
8364 C 7040	Olsklabb	58° 00.0' N 16° 49.0' E	FI.(2)W.R.G. period 6s	16 5	W. 6 R. 5 G. 4	White pedestal, green banded, 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	FI.(4)W.R.G. period 12s	23 7	W. 6 R. 4 G. 4	White concrete tower, green banded, black base; 20.	G. 352°48'-17°, W. -24°6', 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	20 6	9	White building, red and white daymark.	Visible in line of range (vorlo)
8376 C 7036.1	-Rear, 500 meters 222° from front	58° 00.5' N 16° 47.8' E	Q.W.	49 15	8	White building, red and white daymark.	Visible in line of range (vorlo)
8384 C 7030	Ljusklabb	58° 05.0' N 16° 51.0' E	Q.W.R.G.	30 9	W. 6 R. 4 G. 3	White pedestal.	G. 229°30'-244°18', W. -247°24', R. -271°24', G. -299°6', R. -4°24'.
8388 C 7032	Svartbadan	58° 05.5' N 16° 51.3' E	FI.(3)W.R.G. period 9s	26 8	W. 7 R. 5 G. 4	White tower, red banded, 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. -18°48'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
8392 C 7028	Halsoklabb	58° 07.0' N 16° 53.0' E	FI.W.R.G. period 3s	39 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	FI.(4)W.R.G. period 12s	33 10	W. 8 R. 6 G. 5	White tower, green banded, black base; 33.	G. 7°54'-39', W. -45', R. - 75°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.FI.(3)W. period 20s fl. 2.5s, ec. 2.5s fl. 2.5s, ec. 2.5s fl. 2.5s, ec. 7.5s	118 36	18	Red tower; 95.	Shown 24 hours Nov. 1 to Mar. 31.
8404 C 6964	Kattilo, NE. point	58° 12.0' N 16° 54.0' E	FI.W.R.G. period 3s	13 4	W. 7 R. 5 G. 4	White building, red banded.	G. 160°48'-177°36', W. - 181°18', R. -330°24', G. - 334°54', W. -337°12', R. -344°42'. Flood light.
8408 C 6962	Espskarsgrund	58° 14.0' N 16° 54.0' E	FI.(2)W.R.G. period 6s	13 4	W. 7 R. 5 G. 4	White lantern, green stripe, black base.	G. 356°24'-0°36', W. -3°12', R. -43°, 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	9	White building, white and red daymark.	
8416 C 6956.1	-Rear, 500 meters 207° from front	58° 14.3' N 16° 53.5' E	Q.W.	39 12	9	White building, white and red daymark.	Visible in line of range (vorlo)
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. - 2°24', W. -5°, R. -9°54', G. -13°54'.
8424 C 6978	Sandsankan	58° 18.6' N 17° 09.8' E	L.FI.W.R.G. period 10s fl. 2s, ec. 8s	49 15	W. 9 R. 7 G. 5	Black tower, white lantern, grey conical base; 49.	R. 168°30'-183°24', G. - 210°54', W. -329°54', R. -357°30', W. -109°48'. Wind generator.
8428 C 6866	Norra Fallbadan	58° 26.5' N 17° 06.2' E	FI.(3)W.R.G. period 9s	52 16	W. 9 R. 7 G. 5	Black concrete tower, yellow banded, white top; 56.	G. 108°30'-114°24', W. - 115°54', R. -121°54', G. UNINTENSIFIED- 179°48', R. UNINTENSIFIED-245° G. -253°, W. -315°6', R. - 333°30'. Wind generator. Radar reflector.
BAROSUND:							
8432 C 6966	-Sando, NW. of Haradskar	58° 10.2' N 16° 55.3' E	L.FI.(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 banded, black base; 23.	G. 319°-336°24', W. - 340°36', R. -353°54', G. - 14°12', W. -17°6', R. - 38°54', G. -126°54', W. - 143°30', R. -160°24'. Flood light.
8436 C 6968	-Kvarnholmen	58° 13.0' N 16° 54.0' E	FI.(3)W.R.G. period 9s	16 5	W. 7 R. 5 G. 4	White building, red banded.	G. 190°12'-218°36', R. - 301°30', G. -345°18', W. -348°18', R. -5°6', G. - 49°24', W. -51°36', R. - 81°36'.
8440 C 6954	Snuggolmen, E. side	58° 17.0' N 16° 56.0' E	FI.(3)W.R.G. period 9s	23 7	W. 6 R. 5 G. 4	White building, red banded.	G. 202°-220°48', W. - 223°36', R. -14°24', G. - 23°, W. -26°12', R. -40°.
8444 C 6976	Enskar	58° 19.0' N 16° 58.0' E	FI.W.R.G. period 3s	13 4	W. 6 R. 4 G. 3	White building, red banded.	G. 166°48'-192°42', W. - 211°24', R. -11°36', G. - 31°24', W. -34°6', R. - 53°42'.
8448 C 6974	Fagelon, W. side of Stora Fagelo	58° 20.0' N 16° 59.0' E	Q.W.R.G.	20 6	W. 6 R. 4 G. 3	White building, green banded.	G. 358°18'-14°42', W. - 18°18', R. -97°24', G. - 186°48', W. -192°48', R. -200°12'.
8452 C 6990	Adkobb	58° 21.0' N 16° 59.0' E	FI.(2)W.R.G. period 6s	16 5	W. 5 R. 3 G. 3	White pedestal.	W. 5°54'-9°12', R. -129°18', G. -170°42', W. -174°36', R. -268°36', G. -5°54'.
8460 C 6982	-Stora Hogholmen Range, front	58° 21.1' N 16° 59.2' E	Iso.W. period 4s	33 10	7	White tower, white and red daymark.	Visible 352°-115°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
8460.1 C 6982.1	--Rear, 115 meters from front	006°30' 58° 21.1' N 16° 59.2' E	Q.W.	46 14	6	White building, white and red daymark.	Visible 352°-178°.
8464 C 6984	Horvelso	58° 24.1' N 16° 56.6' E	FI.W.R.G. period 3s	13 4	W. 6 R. 4 G. 4	White building, red banded.	G. 154°-162°12', W. -169°24', R. -237°12', G. -307°36', W. -318°24', R. -335°48'. Flood light.
8468 C 6988	Sodra Lamskar Range, front	58° 24.0' N 16° 57.2' E	Iso.W. period 4s	10 3	12	White structure, red square daymark, yellow stripe.	
8472 C 6988.1	--Rear, 1200 meters from front	338°30' 58° 24.6' N 16° 56.8' E	Q.W.	30 9	12	White structure, red square daymark, white stripes.	Intensified on range line only.
8476 C 6873	Jungfrusalen	58° 27.0' N 16° 57.0' E	Q.W.R.G.	20 6	W. 5 R. 3 G. 2	White building, red banded, lantern; 13.	W. 14°-23°, R. -37°30', G. -199°, W. -200°48', R. -353°, G. -14°.
MEM APPROACH:							
8480 C 6874	-Lonshuvudfjarden	58° 26.7' N 16° 51.1' E	FI.(2)W.R.G. period 6s	10 3	W. 7 R. 5 G. 4	White building, green banded, black base.	G. 195°-231°30', W. -235°24', R. -311°12', G. -66°36', W. -68°24', R. -71°6'.
8484 C 6876	-Bjorskar	58° 25.5' N 16° 47.6' E	FI.W.R.G. period 3s	10 3	W. 6 R. 4 G. 4	White building, red banded, black base.	G. 58°42'-74°12', W. -77°6', R. -117°, G. -199°12', W. -212°18', R. -224°.
8488 C 6994	-Farholmen, S. point	58° 25.0' N 16° 45.0' E	FI.(4)W.R.G. period 12s	20 6	W. 5 R. 4 G. 3	White building, green banded.	G. 244°48'-253°24', W. -257°42', R. -12°42', G. -84°, W. -94°54', R. -97°54'.
8492 C 6996	-Ettersundet	58° 26.0' N 16° 40.0' E	FI.W.R.G. period 3s	13 4	W. 4 R. 3 G. 2	Dolphin, red banded, white lantern.	R. 88°-290°18', G. -294°, W. -297°6', R. -318°.
8496 C 6998	--W	58° 26.0' N 16° 40.0' E	Q.W.R.G.	13 4	W. 3 R. 2 G. 2	Dolphin, red banded, white lantern.	G. 256°42'-108°24', W. -116°18', R. -133°6'.
8504 C 7004	Hackerstad	58° 28.0' N 16° 32.0' E	FI.(2)W.R.G. period 6s	26 8	W. 6 R. 4 G. 3	White lantern, green banded.	G. 295°-309°24', W. -314°48', R. -333°, W. UNINTENSIFIED-77°, G. -97°54', W. -102°18', R. -119°54'.
8508 C 7006	Lundbynas	58° 28.0' N 16° 28.0' E	Q.W.R.G.	20 6	W. 4 R. 2 G. 2	White pedestal, green banded.	G. 281°48'-287°6', W. -291°54', R. -15°, G. -98°54', W. -108°, R. -155°.
8516 C 7010	Soderkoping	58° 28.0' N 16° 25.0' E	FI.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.
NORRKÖPING APPROACH:							
8520 C 6872	-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 building, green banded.	G. 0°-10°, W. -22°48', R. -73°42', G. -82°18', W. -88°42', R. -118°42', G. -171°30', W. -177°42', R. -197°.
8524 C 6872.1	--Kuggviksskar, rear, about 1 km. 016° from front	58° 28.8' N 16° 58.2' E	FI.(4)W.R.G. period 6s	43 13	W. 6 R. 4 G. 3	White tower; 39.	R. 307°30'-331°, G. -9°30', W. -19°, R. -51°, G. -58°30', R. -90°, G. -129°, W. -139°, R. -253°30'.
8528 C 6868	-Arko, Ostra Kopparholmen Range, front	58° 28.4' N 16° 58.1' E	Q.W.R.G.	26 8	W. 5 R. 3 G. 3	White lantern, red rectangular daymark, white stripe.	W. 292°-117°36', G. -148°42', R. -156°30', R. -188°, R. UNINTENSIFIED-230° Intensified on range line.
8532 C 6868.1	--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 C 6858	-Norra Granso	58° 31.7' N 16° 53.5' E	FI.W.R.G. period 3s	20 6	W. 6 R. 4 G. 3	White building, green banded.	R. 355°-105°, G. -146°, W. -148°30', R. -172°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
8544 C 6864	-Liss Lindo	58° 29.8' N 16° 56.2' E	Fl.W.R.G. period 3s	7 2	W. 9 R. 6 G. 5	White lantern.	G. 120°24'-130°48', W. -135°12', R. -161°, W. UNINTENSIFIED-288°42', G. -307°54', W. -322°36', R. -330°. Flood light.
8548 C 6862	-Ettergrundshallan	58° 30.8' N 16° 53.9' E	Oc.W.R.G. period 6s	20 6	W. 8 R. 6 G. 5	White tower, red banded, lantern; 15.	G. 132°-146°, W. -148°, R. -315°. Flood light.
8552 C 6860	-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, white stripe.	G. 156°-169°, W. -171°, R. -245°, W. -335°.
8556 C 6860.1	--Rear, 125 meters 316° from front	58° 31.2' N 16° 53.4' E	Q.W.	26 8	8	White building, red rectangular daymark, white stripe.	Visible in line of range (vorlo)
8560 C 6859	-Trollholmshallan	58° 31.6' N 16° 53.1' E	Fl.(2)W.R.G. period 6s	13 4	W. 6 R. 4 G. 3	White lantern.	G. 139°-155°, W. -157°, R. -209°30', G. -330°, W. -333°, R. -139°.
8564 C 6855	-Maro Range, front	58° 33.5' N 16° 54.6' E	Iso.W.R.G. period 4s	16 5	W. 6 R. 4 G. 3	Red rectangular daymark, white stripe.	G. 28°18'-39°24', W. -43°30', R. -60°24', G. -120°30', W. INTENSIFIED-236°24' on range line.
8568 C 6855.1	--Eko, rear, 1000 meters 203°18' from front	58° 33.0' N 16° 54.2' E	Q.W.R.G.	46 14	W. 6 R. 4 G. 3	Red rectangular daymark, white stripe.	R. 53°-63°, G. -83°24', W. -90°42', R. -134°, G. UNINTENSIFIED-144°, W. INTENSIFIED-203°30' on range line.
8572 C 6856	-Boso Sten	58° 33.2' N 16° 51.3' E	Fl.(2)W.R.G. period 6s	13 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 C 6856.4	-Bjorno Range, front	58° 33.0' N 16° 50.5' E	F.R.	20 6	4	Mast, orange triangle, point up daymark.	Occasional.
8574.1 C 6856.41	--Rear, 200 meters 191° from front	58° 33.0' N 16° 50.5' E	F.R.	36 11	4	Mast, orange triangle, point down daymark.	Occasional.
8576 C 6857.4	-Ramsholmen Range, front	58° 33.7' N 16° 51.7' E	Q.W.	16 5	8	Red building, white stripe, red triangle, point up daymark, yellow stripe.	
8580 C 6857.41	--Rear, 250 meters 156°30' from front	58° 33.6' N 16° 51.8' E	Oc.W. period 3s	30 9	8	White building, red square with white stripe on red triangle, point down daymark.	Visible in line of range (vorlo)
8584 C 6882	-Flaskogrund	58° 35.0' N 16° 50.6' E	Iso.W.R.G. period 4s	13 4	W. 6 R. 4 G. 4	White column, red banded, black base; 13.	G. 130°-155°24', W. -172°24', R. -345°.
8588 C 6888	-Flaskosund	58° 34.9' N 16° 50.7' E	Fl.G. period 3s	20 6	3	White tower, green banded, black base; 20.	Visible 335°-170°.
8594 C 6857	-Flasko	58° 34.8' N 16° 50.7' E	Fl.(2)R. period 6s	20 6	4	White building, red banded, lantern.	Visible 155°-350°.
8596 C 6878	-Flaskohallen	58° 34.6' N 16° 51.1' E	Fl.(3)G. period 9s	16 5	3	White building, green banded, black base; 10.	Visible 355°-155°.
8600 C 6892	-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 building, red banded; 7.	G. 90°-107°30', W. -109°, R. -126°, G. -139°, W. -195°, R. -260°, G. -287°, W. -290°30', R. -335°. Flood light.
8604 C 6890	-Hargokalv	58° 36.4' N 16° 52.4' E	Fl.(4)W.R.G. period 12s	56 17	W. 8 R. 6 G. 5	Latticed mast, white rectangular daymark, green banded; 52.	G. 255°-271°, W. -277°24', R. -286°, G. -299°, R. -21°, G. -50°, W. -64°, R. -90°, G. -106°54', W. -111°, R. -122°. Flood light.
8608 C 6829	-Gustaf Dalen	58° 35.6' N 17° 28.0' E	Fl.(2)W. period 6s	79 24	12		Flood light Red LED.
	RACON		G(--)		16		(3 & 10 cm).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
8612 C 6836	-Norra Kranken	58° 36.9' N 17° 23.1' E	FI.(3)W.R.G. period 9s	39 12	W. 10 R. 8 G. 6		W. 85°48'-88°6', R. -100°, G. -154°30', W. -159°, R. -204°12', G. -207°6', W. -210°24', R. -241°36', G. -260°54', W. -287°54', R. -349°, G. -85°48'. Flood light.
	RACON		K(- - -)		13		(3 & 10 cm).
8616 C 6832	-Havringe Range, front	58° 36.2' N 17° 19.1' E	Q.W.	30 9	14	White pedestal, black banded, white square daymark.	Visible on range line only.
8620 C 6832.1	--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 banded; 72.	G. 109°48'-138°12', W. -139°18', R. -244°54', G. -290°54', W. -313°42', R. -109°48'. Flood light.
8624 C 6834	-Vastra Korpen	58° 36.3' N 17° 19.3' E	FI.(4)W.R.G. period 12s	26 8	W. 9 R. 7 G. 6	White tower; 23.	W. UNINTENSIFIED 29°54'-75°, G. -105°12', W. -111°12', R. -131°12', G. 279°54'-311°42', W. -320°48', R. -341°30'.
8626 C 6833	-W. Hallgrundet	58° 39.1' N 17° 13.7' E	FI.R. period 3s	16 5	2	Cairn.	Radar reflector.
8628 C 6838	-Kopparnageln	58° 36.5' N 17° 17.3' E	Q.W.R.G.	23 7	W. 8 R. 6 G. 5	White tower, red banded; 13.	G. 103°6'-249°48', W. -257°42', R. -103°6'. Radar reflector.
8632 C 6840	-Grasskaren, E. extremity	58° 37.0' N 17° 14.2' E	L.FI.(2)W.R.G. period 15s fl. 2s, ec. 3s fl. 2s, ec. 8s	39 12	W. 13 R. 10 G. 9	White tower, green banded; 39.	G. 242°6'-263°42', W. -267°42', R. -284°12', G. -301°12', W. -99°, R. -131°.
8640 C 6818	-Beten, W. side	58° 38.7' N 17° 08.4' E	FI.(2)W.R.G. period 6s	39 12	W. 13 R. 10 G. 8	White lantern.	G. 305°-332°, W. -343°54', R. -28°36', G. -63°, W. -66°6', R. -74°48', G. -124°54', W. -131°54', R. -155°.
8644 C 6842	-Vinterklasen Range, front	58° 38.5' N 17° 07.8' E	F.R.	30 9	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	56 17	W. 11 R. 8 G. 7	White building, green banded.	R. 177°30'-247°48', G. -300°48', W. -308°48', R. -28°, G. -58°, W. -62°30', R. -94°48', G. -141°12'. Flood light.
8652 C 6845	-Falkens Grund	58° 37.5' N 17° 02.2' E	FI.(2)W.R.G. period 9s	36 11	W. 10 R. 8 G. 6	White tower, concrete base; 23.	R. 9°6'-63°, G. -76°54', W. -80°12', R. -209°54', G. -254°42', W. -262°42', R. -288°54', G. -9°6'. Flood light. Radar reflector.
8654 C 6846.5	-Kungshamngrund	58° 36.9' N 17° 02.1' E	Oc.W.R.G. period 10s it. 8s, ec. 2s	13 4	8		G. 60°48'-70°36', W. -79°18', R. -180°6', 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 building, red stripe, lantern.	G. 255°-260°, W. -265°, R. -298°6', W. 59°30'-78°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 building, red stripe, lantern; 30.	R. 237°-246°36', G. -262°48', W. -266°30', R. -288°54', G. -319°48', W. -327°, R. -1°6', G. -27°18', W. -81°.
8664 C 6848	-Mesen	58° 37.1' N 16° 59.3' E	FI.W.R.G. period 3s	20 6	W. 9 R. 6 G. 5	White building, red banded, white base.	R. 62°-150°, G. -251°, W. -253°, R. -260°.
8668 C 6847	-Albackgrund	58° 37.4' N 16° 59.9' E	FI.(4)W.R.G. period 6s	23 7	W. 8 R. 6 G. 5	White lantern, green banded, concrete base.	G. 241°-267°30', R. -0°, G. -62°, W. -67°30', R. -90°. Flood light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
8672 C 6894	-Navekvarn, Braviken, N. side of channel	58° 37.2' N 16° 48.7' E	FI.(2)W.R.G. period 6s	26 8	W. 9 R. 6 G. 5	White building, green banded; 7.	G. 270°-295°, W. -296°, R. - 313°30', G. -336°, R. -0°, G. -69°, W. -75°30', R. - 84°, G. -93°, W. -95°, R. - 125°. Flood light.
8676 C 6896	-Karlund, about 1.5 km. from center of Flinta	58° 37.7' N 16° 42.3' E	Q.W.R.G.	20 6	W. 8 R. 6 G. 5	Green building, white roof and base; 20.	G. 273°-280°, W. -282°, R. - 330°, G. -22°, W. -70°, R. - 88°, G. -95°54', W. -99°, R. -120°. Flood light.
8688 C 6898	-Saterholmen	58° 38.2' N 16° 35.3' E	FI.(4)W.R.G. period 12s	23 7	W. 12 R. 9 G. 8	White lantern, green banded, pedestal.	G. 270°-279°48', W. - 280°30', R. -284°30', G. - 289°, W. -290°, R. -26°, G. -103°6', W. -105°, R. - 160°. Flood light.
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 building, red banded, black base.	W. 83°54'-247°36', R. -273°, G. -83°54'.
8696 C 6900	-Lovsgata	58° 39.4' N 16° 27.3' E	FI.(2)W.R.G. period 6s	23 7	W. 8 R. 6 G. 5	White tower, green banded; 20.	G. 275°-286°12', W. -288°6', R. -302°18', G. -69°36', W. -71°36', R. -78°18', G. -84°18', W. -88°18', R. -105°.
8700 C 6902	-Stora Juten	58° 38.1' N 16° 19.5' E	FI.(3)W.R.G. period 9s	20 6	13	White tower; 20.	R. 123°48'-138°, W. - 230°30', R. -243°, G. - 251°6', W. -253°18', R. - 282°36' Norrköping channel is marked by various W., R., G. lights.
8702 C 6904.8	-Lindo Harbor, N	58° 36.7' N 16° 15.6' E	FI.G. period 3s	13 4	4	White post, green banded; 7.	Shown Apr. 15 to Oct. 15.
8703 C 6904.9	--S	58° 36.7' N 16° 15.7' E	FI.R. period 3s	13 4	4	White post, red banded; 7.	Shown Apr. 15 to Oct. 15.
OXELOSUND:							
8704 C 6820	-Ljungskar, SW. side	58° 39.1' N 17° 07.7' E	FI.(4)W.R.G. period 12s	23 7	W. 13 R. 11 G. 8	White tower; 20.	G. 300°-323°36', W. - 327°36', R. -346°42', G. - 18°36', W. -23°6', R. - 35°48', G. -50°18', R. - 71°, G. -134°6', W. - 140°54', R. -183°30'.
8712 C 6824	-Oxelosund Hamn Range, front	58° 39.9' N 17° 06.3' E	F.R.	20 6	9	Mast, red triangle, point up daymark.	Visible in line of range (vorlo)
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 triangle, point down daymark.	Visible in line of range (vorlo)
8718 C 6814.5	-Harbor Range, front	58° 39.7' N 17° 07.0' E	F.G.			Beacon, red triangle, point up daymark.	
8718.1 C 6814.501	--Rear, 332° from front	58° 39.7' N 17° 06.9' E	F.G.			Beacon, red triangle, point down daymark.	
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. - 54°36', W. -62°12', R. - 78°12'.
8720.1 C 6814.01	--Rear, 057° from front	58° 39.7' N 17° 07.7' E	F.R.			Beacon, red triangle, point down daymark.	
8724 C 6816	-Korsholm, E. entrance to Oxelosund	58° 39.7' N 17° 08.1' E	FI.(2)W.R.G. period 6s	10 3	W. 8 R. 6 G. 5	White lantern.	G. 75°12'-93°24', W. -99°, R. - 169°54', G. -236°54', W. - 243°48', R. -258°48', G. - 262°, W. -264°6', R. - 274°6'.
8725 C 6810.1	-Jarnverket Range, front	58° 40.8' N 17° 08.0' E	Q.R.	46 14	7	Beacon.	
8725.1 C 6810.2	--Rear, 271°18' from front	58° 40.8' N 17° 07.8' E	Iso.G. period 3s	66 20	7	Beacon.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
8728 C 6810	-Korholmen	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 banded.	G. 231°-245°42', W. - 249°42', R. -258°6', G. - 1°42', W. -4°12', R. - 58°36'. Flood light.
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.	G. 129°42'-139°24', W. - 144°18', R. -248°36', G. - 277°30', W. -281°36', R. - 300°6', G. -320°30', W. - 321°48', R. -337°36'. Flood light.
8736 C 6800	-Lillhammarsgrund	58° 39.7' N 17° 20.1' E	Fl.W.R.G. period 3s	36 11	W. 11 R. 2 G. 8	White tower, red top, black base; 39.	G. 101°18'-113°30', W. - 118°48', R. -222°6', G. - 237°24', W. -239°42', R. - 325°12', G. -345°18'. Flood light.
RACON		N(- ·)		11		(3 & 10 cm).	
8740 C 6802	-Norra Masklubbshallan, S. side of channel	58° 40.1' N 17° 16.9' E	Q.W.R.G.	10 3	W. 12 R. 10 G. 8	White structure, red banded.	G. 141°-275°18', W. - 278°24', R. -296'. Flood light.
8742 C 6803	-Norra Lillhammarsgrund Range, front	58° 40.4' N 17° 19.2' E	Iso.W. period 4s	33 10	13	Red rectangular daymark, yellow stripe on concrete base.	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	Latticed tower, red rectangular daymark, yellow stripe.	
		Fl.(4)W.R.G. period 12s		W. 6 R. 4 G. 3		G. 56°-84°, W. -93°, R. -101°.	
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. 40°42'-52°42', R. - 88°30', G. -113°, R. - 178°30', G. -198°, W. - 200°30', R. -230°6', G. - 309°12', R. -359°54', G. - 40°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 building, white banded.	G. 290°48'-300°36', W. - 320°42', R. -51°12', G. - 120°36', R. -157°6'.
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.	G. 240°-260°, W. -276°, R. - 17°, G. -52°, W. -63°, R. - 74°.
8764 C 6790	Valaro, on mainland	58° 43.3' N 17° 15.6' E	Q.R.G.	16 5	R. 4 G. 3	White building.	G. 270°-305°, R. -0°, G. -55°, R. -64°.
8768 C 6788	Ornklubb	58° 42.9' N 17° 16.7' E	Fl.(2)R.G. period 6s	10 3	R. 4 G. 3	White building.	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 building.	G. 214°54'-226°54', R. - 19°12', G. -50°54', R. - 54°54'.
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 building.	G. 270°18'-305°, W. -310°, R. -332°6', G. -15°54', W. -19°54', R. -90°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. 5 G. 3	White lantern.	G. 95°54'-110°6', W. - 116°18', R. -136°, W. UNINTENSIFIED- 214°12', G. -229°6', W. - 233°6', R. -243°18'.
8784 C 6760	Bergo	58° 45.1' N 17° 24.5' E	Fl.W.R. period 3s	16 5	W. 10 R. 8	White lantern.	W. 194°24'-225°30', R. -30°. Flood light.
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 building, green banded; 7.	G. 93°-102°, W. -109°, R. - 253°, G. -272°, W. -275°, R. -296°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
8800 C 6748	Herrsatén	58° 45.8' N 17° 30.1' E	Fl.(4)W.R.G. period 12s	16 5	W. 7 R. 5 G. 4	White building, green banded.	G. 95°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	46 14	W. 8 R. 6 G. 4	White tower; 36.	G. 3°18'-22°48', W. -35°18', R. -64°18', G. -74°48', W. -79°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	30 9	W. 6 R. 5 G. 3	White tower, red rectangular daymark, white stripes; 20.	G. 330°-331°36', W. -342°12', R. -46°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 stripes, lantern.	Visible in line of range (vorlo)
8820 C 6764	Griskar Range, front	58° 44.1' N 17° 25.0' E	Iso.W. period 4s Iso.W.R.G. period 4s	20 6	W. 6 R. 5 G. 3	White tower, red band; 20.	Visible in line of range (vorlo) G. 153°18'-175°6', 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 stripes, lantern.	Visible in line of range (vorlo)
8828 C 6754	Marholmen Range, front	58° 46.9' N 17° 27.6' E	Q.W.R.	20 6	W. 8 R. 6	White pedestal, red banded, lantern.	W. 138°-270°, R. -55° Intensified on range line only.
8832 C 6754.1	-Rear, Bromdal, 700 meters 042° from front	58° 47.1' N 17° 28.1' E	Iso.W.R.G. period 4s	43 13	W. 9 R. 7 G. 5	White pedestal, white square daymark, red banded.	G. 306°30'-322°36', R. -0°36', G. -26°54', W. -33°54', R. -87°6'.
8836 C 6752	Kallvik	58° 46.8' N 17° 28.7' E	Fl.W.R.G. period 3s	13 4	W. 9 R. 7 G. 5	White building, red banded.	G. 313°48'-332°18', W. -339°18', R. -50°42', G. -115°24', W. -125°18', R. -134°. Flood light.
8840 C 6744	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 banded; 20.	G. 60°42'-68°24', W. -71°42', R. -88°36', G. -156°48', W. -160°, R. -166°48', G. -268°6'.
8844 C 6742	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 banded.	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°6'.
8848 C 6738	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. -274°48', R. -308°18', G. -357°48', R. -17°36'.
8852 C 6738.1	-Rear, 215 meters 276° from front	58° 48.0' N 17° 33.1' E	Q.W.	66 20	10	White tower, red square daymark.	Visible in line of range (vorlo)
8856 C 6740	Kockelhällan	58° 47.8' N 17° 33.9' E	Fl.(3)W.R.G. period 9s	16 5	W. 6 R. 5 G. 3	White building, green banded.	G. 33°54'-53°18', W. -76°24', R. -132°54', G. -169°36', W. -173°24', R. -193°42', G. -265°12', R. -275°48'.
8860 C 6732	Asenskallen	58° 47.0' N 17° 41.9' E	Fl.W.R.G. period 3s	39 12	W. 8 R. 6 G. 5	White tower, green banded; 29.	R. UNINTENSIFIED0°-10°, Obscured 10°-91°, G. 91°-106°, W. -110°, R. -238°, G. -259°, W. -267°, R. -277°, G. -294°, R. -300°, Obscured -325°, G. UNINTENSIFIED-335°, W. UNINTENSIFIED-0°.
8864 C 6730	Skvallran	58° 47.3' N 17° 42.5' E	Fl.(2)W.R.G. period 9s	33 10	W. 7 R. 5 G. 4	White tower, red banded; 38.	G. 189°18'-203°6', W. -220°36', R. -257°30', G. -270°48', W. -278°48', R. -344°18', G. -60°12', W. -80°, R. -95°, R. UNINTENSIFIED-115°6'.
8868 C 6734	Graskar	58° 47.6' N 17° 39.9' E	Q.W.	33 10	7	Grey building.	Visible to W. toward Kockelskar range lights.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
8872 C 6726	Tornskar	58° 48.9' N 17° 33.0' E	Iso.W.R.G. period 4s	16 5	W. 6 R. 5 G. 3	Building, green banded, white lantern.	R. 13°12' -150°12', G. - 170°54', W. -173°12', R. -187°54', W. -226°42', R. -239°54'.
8876 C 6724	Bockholmen	58° 50.1' N 17° 34.9' E	Q.W.R.G.	13 4	W. 6 R. 5 G. 3	Building, green banded, white lantern.	G. 359°30' -6°18', W. -11°42', R. -50°6', G. -178°54', W. -182°48', R. -200°48'.
8880 C 6722	Lysberget	58° 50.3' N 17° 35.8' E	Fl.(2)W.R.G. period 6s	26 8	W. 6 R. 5 G. 3	White lantern.	G. 45°6' -49°30', W. -52°30', R. -64°.
8884 C 6720	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. 56°12' -60', W. -229', G. - 249°30', W. -252', R. - 256°6'.
8888 C 6675.6	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.	G. 27°18' -84°12', R. - 114°24', G. -151°36', W. -161°36', R. -170°54'. Flood light.
8892 C 6675.4	Rokogrundet	58° 47.1' N 17° 46.6' E	Q.W.R.G.	33 10	W. 9 R. 7 G. 6	Black tower, white banded; 30.	G. 24°24' -88°18', W. - 89°48', R. -107°18', G. - 163°48', W. -168°30', R. -292°12', G. -321°, W. - 324°30', R. -24°24'. Flood light.
8896 C 6675	Granklubben	58° 47.9' N 17° 44.9' E	Fl.(4)W.R.G. period 12s	43 13	W. 13 R. 10 G. 9	White tower.	G. 225°6' -297°48', R. - 312°36', G. -316°48', W. -320°, R. -329°12', G. - 10°42', W. -54°24', R. - 74°54'.
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 building.	G. 337° -1°30', W. -12°, R. - 22°, G. -135°, W. -138°, R. -155°. Flood light.
8902 C 6676.2	Torsken	58° 49.5' N 17° 43.8' E	Q.W.R.G.	20 6	W. 9 R. 6 G. 5	White building, red banded.	G. 18°42' -153°54', W. - 166°24', R. -248°30', G. - 307°, W. -313°6', R. - 18°42'. Flood light. 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 banded; 20.	G. 304°18' -319°18', W. - 325°54', R. -44°, G. - 125°48', W. -135°24', R. -162°36', G. -219°6', R. - 240°12'. Flood light.
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.	Flood light. 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° -232°30', W. -291°, R. -25°, G. -53°54', W. - 59°, R. -78°, G. -148°. Occasional.
8952 C 6676.8	Fifong	58° 50.5' N 17° 43.4' E	Fl.(3)W.R.G. period 9s	23 7	W. 9 R. 7 G. 6	White building, red banded.	G. 163°12' -169°30', W. - 172°, R. -175°30', G. - 244°48', R. -311°54', G. - 351°48', W. -359°12', R. -4°6', G. -17°36'. Flood light.
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 building, green banded, lantern.	G. 57°48' -69°48', W. - 71°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.	20 6	W. 9 R. 7 G. 6	Red building, white base.	G. 86°42' -180°6', W. - 185°24', R. -192°54', G. - 204°36', W. -216°18', R. -270°6', G. -340°18', W. - 345°54', R. -86°42'. Flood light.
8962 C 6677.1	Ramsholmen	58° 52.6' N 17° 43.2' E	Fl.(2)G. period 6s	23 7	2	Yellow daymark.	Flood light. Radar reflector.
8964 C 6677.2	Galklubb	58° 53.0' N 17° 43.0' E	Iso.W.R.G. period 4s	16 5	W. 9 R. 7 G. 6	White building.	R. 8° -81°, G. -158°, W. - 179°30', R. -288°, G. - 297°, W. -299°, R. -347°, G. -357°, W. -8°. Flood light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
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. 9 R. 7 G. 6	White building, red roof.	G. 154°6' -179°54', W. - 184°42', R. -284°48', G. - 348°18', W. -353°54', R. - -2°12', G. -22°, W. - 23°12', R. -57°54'. Flood light.
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 building, lantern.	G. 135°-169°48', W. - 171°30', R. -229°54', G. - 338°, W. -353°12', R. - 50°. Flood light.
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 building, green banded, lantern.	G. 354°-8°, W. -175°6', 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 building, white lantern.	G. 119°6' -160°30', W. - 166°30', R. -296°36', G. - 307°42', W. -319°12', R. - -341°48'. Flood light.
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 building.	G. 276°54' -340°6', W. - 345°6', R. -25°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		White pedestal.	
8996 C 6678.8	Viad, Brandalssund Range, front	59° 06.0' N 17° 42.0' E	Q.W.	23 7		White metal tower.	Visible in line of range (vorlo)
9000 C 6678.81	-Rear, 600 meters 062° from front	59° 06.5' N 17° 42.9' E	Iso.W. period 4s	59 18		White metal tower.	Visible in line of range (vorlo)
9004 C 6679.2	Flasklosa	59° 08.0' N 17° 41.0' E	V.Q.W.	16 5	3	White mast, green banded.	Partially obscured 180°-335° by trees. F.W. and F.Y. lights mark shoreline.
9005 C 668	Tegeltorp	59° 13.9' N 17° 36.4' E	Q.W.R.G.	16 5	W. 3 R. 2 G. 1	White pedestal.	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.	R. 1°36' -13°12', G. -46°54', W. -52°36', R. -85°54', G. -126°36', R. -158°42', G. -177°6', R. -210°18', G. -217°6', W. -219°18', R. -223°54', G. -234°6', R. -273°6', G. -321°54', R. -345°6', G. -356°36', W. -1°36' Shown 24 hours Nov. 1 to Mar. 31. Flood light.
	RACON		B(-...)		14		(3 & 10 cm).
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	89 27	W. 14 R. 10 G. 7		G. 322°48' -351°12', W. - 358°, R. -23° 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.FI.(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.	G. 29°-87°, R. -116°, G. - 128°36', W. -135°, R. - 153°, G. -190°, R. -203°, G. -216°30', W. -218°18', R. -230°30', G. -243°, R. - -314°, G. -327°30', W. - 344°, R. -29°.
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	Latticed tower.	G. 11°-138°, W. -139°, R. - 155°, G. -355° W. - 357°30', R. -11°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
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.	G. 303°-354°18', W. - 355°42', R. -80°, G. - 163°, W. -168°, R. -185°.
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	FI.W.R.G. period 3s	33 10	W. 5 R. 4 G. 3	White pedestal.	G. 57°30'-102°30', R. - 167°36', G. -181°, R. - 342°12', G. -347°, W. - 357°6', R. -57°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	Grey building.	W. 16°6'-19°54', R. -39°30', G. -73°, W. -75°18', R. - 220°30', G. -254°48', W. -258°48', R. -329°36', G. -16°6'.
9032 C 6587.4	Bottenholmen	58° 47.4' N 17° 50.0' E	FI.W.R.G. period 4s	26 8	W. 7 R. 5 G. 4	Latticed tower.	G. 245°-263°24', W. - 267°18', R. -301°, G. - 326°30', W. -327°30', R. -350°12'. Occasional.
9036 C 6587.2	Vastra Kvarnhallan	58° 47.6' N 17° 50.4' E	Q.W.R.G.	7 2	W. 5 R. 4 G. 3	White pedestal.	G. 143°-153°, W. -154°30', R. -262°, G. -325°24', W. -329°6', R. -349°, G. - 4°30', W. -7°, R. -25°.
9040 C 6576	Huvudskar	58° 57.8' N 18° 34.1' E	Mo.(N)W. period 25s	85 26	12 5	White building, black band; 50.	UNINTENSIFIED 115°-205°.
9044 C 6578	Vindbaden	59° 00.1' N 18° 38.0' E	FI.W. period 3s		3	White metal tower, blue banded.	Occasional. Fishing light.
9048 C 6580	Skotrokan	59° 00.8' N 18° 31.0' E	FI.R. period 3s	69 21	3	White pedestal, blue banded.	Occasional. Fishing light.
9052 C 6582	Tormulen	59° 06.0' N 18° 40.0' E	FI.W. period 5s	20 6	2	White lantern, blue banded, red base.	Occasional. Fishing light.
9054 C 6466	Peskobben	59° 09.7' N 18° 49.4' E	F.W.	20 6	3	Latticed tower.	Visible 97°-174° Fishing light. Occasional.
9056 C 6465	Almagrundet	59° 09.3' N 19° 07.6' E	FI.(2)W.R. period 12s	95 29	13		R. 45°30'-225°24', W. - 45°30'. Flood light. Helicopter Platform.
	RACON		G(- - +)		14		(3 & 10 cm).
9060 C 6470	Revengegrundet	59° 15.1' N 19° 00.8' E	L.FI.(2)W.R.G. period 18s fl. 3s, ec. 3s fl. 3s, ec. 9s	66 20	W. 16 R. 13 G. 12		W. 0°-5°12', R. -11°, G. - 109°54', R. -124°, G. - 137°42', W. -145°6', R. - 160°12', G. -295°6', W. - 307°24', R. -314°, G. -0°. Flood light Radar reflector.
	RACON		RT(+ - - -)		14		(3 & 10 cm).
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 banded; 49.	G. 83°12'-116°30', W. - 122°24', R. -186°36', G. - 282°36', R. -83°12'. Flood light.
SANDHAMNSLEDEN:							
9068 C 6468	-Sandhamn Stangskar	59° 16.6' N 19° 00.0' E	Iso.W.R.G. period 4s	33 10	W. 8 R. 5 G. 4	Yellow round tower; 24.	G. 294°48'-326°24', W. - 343°24', R. -17°30', G. - 70°12', W. -74°36', R. - 94°12', G. -132°18', W. UNINTENSIFIED- 138°30'.
9070 C 6468.5	-Gronskar	59° 16.7' N 19° 01.5' E	L.FI.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	FI.(4)W.R.G. period 12s	26 8	W. 6 R. 4 G. 3	White building.	G. 276°54'-312°, W. -37°42', R. -110°42', G. -131°24', W. -138°30', R. -149°12', G. -169°30'. Occasional.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
9080 C 6472	Prickgrundet	59° 17.1' N 18° 55.8' E	Fl.(3)W.R.G. period 9s	16 5	W. 5 R. 6 G. 13 G. 5	White structure, yellow top.	W. 5°48'-85°30', G. -122°42' (5M), R. -245°24', G. - 322°42', R. -5°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, 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 stripes.	Visible in line of range (vorlo)
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 stripes.	Visible in line of range (vorlo)
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. 67°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	Building, green banded, white lantern.	G. 271°-298°, W. -307°, R. - 32°, G. -102°, W. -110°, R. -141°. Flood light.
9112 C 6481	Smoraskan	59° 18.0' N 18° 52.1' E	Q.W.	20 6	6	Red structure.	Flood light.
9114	Utkiken RACON	59° 17.2' N 18° 54.9' E	T(-)		17	Tower.	Visible 215°-35°.(3 & 10 cm).
9116 C 6477	Vasterhalet	59° 17.5' N 18° 52.7' E	Q.W.	26 8	3		Visible 165°-275°.
	RACON		T(-)		13		(3 & 10 cm).
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.	G. 162°30'-172°6', W. - 182°48', R. -271°36', G. - 344°42', W. -357°12', R. - 16°, G. -48°. Flood light.
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.
SANDHAMNSLEDEN:							
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. 4 G. 4	Red structure.	G. 97°-118°36', W. -126°6', R. -135°6', 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	39 12	W. 6 R. 5 G. 3	Black tower, white banded, white lantern; 37.	G. 0°42'-37°42', W. -51°6', R. -60°, R. UNINTENSIFIED- 96°12', G. UNINTENSIFIED-105°. G. -190°54', W. -195°54', R. -226°30', G. -246°6', W. -274°30', R. -290°48', G. -309°54', W. -331°30', R. -0°42'.
9144 C 6592	Viksten Islet	58° 47.2' N 17° 57.0' E	Q.W.	30 9	5	White latticed tower.	May be obscured by islands SSW.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
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.	G. 18°6'-25°42', W. -29°18', R. -65°, G. -96°42', W. - 97°54', R. -117°48', G. - 153°12', R. -187°6', G. - 201°12', W. -208°6', 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.	R. 0°-19°, G. -38°, R. -102°, G. -142°30', W. -152°30', R. -180°, G. -235°, W. - 0°.
9152 C 6596	Masknuv	58° 51.4' N 18° 00.9' E	Mo.(A)W.R.G. period 8s	43 13	W. 13 R. 10 G. 7	White tower; 33.	G. 9°36'-20°24', W. -23°, R. - 29°48', W. -157°54', G. - 171°30', W. -182°12', R. - 189°18', G. -196°42', W. - 212°24', R. -217°6'.
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 lattice metal tower.	G. 315°-357°42', W. - 359°12', R. -25°18'.
9168 C 6606	Bedaro	58° 53.8' N 17° 57.6' E	Iso.W.R.G. period 4s	10 3	W. 7 R. 5 G. 4	White lantern.	G. 20°36'-33°48', W. - 36°12', R. -43°.
9180 C 6614	Brunsviksholmen	58° 55.1' N 17° 58.7' E	Fl.(2)W.R.G. period 6s	26 8	W. 12 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. - 38°.
9184 C 6598	Orngrund	58° 53.8' N 18° 01.5' E	Q.W.R.G.	33 10	W. 10 R. 8 G. 5	Black glass reinforced plastic(grp) fiberglass tower, red banded, concrete base.	W. 10°8'-20°30', R. -105°, G. - 131°30', W. -146°30', R. - 195°, G. -232°48', W. - 245°30', R. -290°, G. - 340°12', W. -344°30', R. - 358°, G. -10°48'.
9188 C 6618	Ostra Roko	58° 54.4' N 18° 04.9' E	Fl.(2)W.R.G. period 6s	26 8	W. 6 R. 4 G. 3	White building, green banded, lantern on roof.	G. 26°-36°24', W. -43°, R. - 59°, G. -76°30', W. -84°, R. -129°, G. -142°36', W. - 147°12', R. -211°, G. - 218°18', W. -222°30', R. - 269°, G. - UNINTENSIFIED-354°, R. UNINTENSIFIED-26°.
9192 C 6618.4	Alvs nabben	58° 58.7' N 18° 11.2' E	Q.W.R.G.	23 7	W. 5 R. 5 G. 4	Red building, base.	R. 213°-218°, G. -226°, W. - 41°, R. -45°, G. -53°.
9196 C 6619	Mysinge holm	59° 00.2' N 18° 15.5' E	Iso.W.R.G. period 4s	26 8	W. 10 W. 7 R. 5 G. 4	White tower, red roof; 21.	G. 5°-44°30' (4M), W. - 46°30' (10M), R. -84° (5M), G. -118° (4M), R. - 164° (5M), G. -186° (4M), W. -200° (4M), R. - 204°30' (4M), G. -210° (4M), W. -211°30' (7M), R. -223° (5M).
9200 C 6620	Soderhall, in Mysingsjarden	59° 00.7' N 18° 14.8' E	Fl.(3)W.R.G. period 9s	16 5	W. 6 R. 4 G. 3	Red building.	G. 152°36'-160°, W. -164°6', R. -202°24', G. -282°6', W. -284°48', R. -3°36', G. -38°, R. -62°42'.
9201 C 6620.4	Uto Nasudden	58° 58.0' N 18° 17.6' E	Q.W.	7 2		Metal framework tower.	Visible 155°-335° Shown on request.
9202 C 6621	Uto Range, front	58° 58.2' N 18° 19.8' E	F.R.	20 6		Mast, white triangle, point up daymark.	Visible in line of range (vorlo) Occasional.
9202.1 C 6621.1	-Rear, 140 meters 158° from front	58° 58.2' N 18° 19.8' E	F.R.	36 11		Mast, white triangle, point down daymark.	Occasional. Visible on range line only.
9204 C 6623	Langgarn	59° 04.4' N 18° 17.9' E	Fl.(3)W.R.G. period 9s	20 6	W. 6 R. 4 G. 3	Red tower; 20.	G. 210°18'-233°36', W. - 235°24', R. -244°30', G. - 315°18', R. -355°6', G. - 6°12', W. -22° R. - 51°30', G. -90°.
9212 C 6625	Galo	59° 05.6' N 18° 20.9' E	Iso.W.R.G. period 8s	13 4	W. 9 R. 7 G. 5	Red pedestal.	G. 16°30'-41°30', W. - 48°42', R. -140°42', G. - 282°, R. -16°30'. Flood light.
9216 C 6628	Kycklingen	59° 06.4' N 18° 22.4' E	Iso.W.R.G. period 4s	33 10	W. 10 R. 7 G. 6	Red latticed tower.	W. 245°42'-248°36', R. - 266°18', G. -245°42'. Flood light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
9220 C 6626	Torrbanken	59° 06.6' N 18° 22.0' E	FI.W.R.G. period 3s	13 4	W. 9 R. 6 G. 5	Red tower.	G. UNINTENSIFIED-212°48'-228°, G. -239°18', W. -241°30', R. -258°, R. UNINTENSIFIED-273°, R. -285°, G. -326°6', W. -342°12', R. -0°6'.
9224 C 6625.4	Koon	59° 07.1' N 18° 19.6' E	Q.W.	3 1	3	Metal post.	Visible 324°-144°. Occasional.
9232 C 6632	Asposkar	59° 06.8' N 18° 23.8' E	Q.W.R.G.	16 5	W. 9 R. 7 G. 6	Metal framework tower.	G. 329°36'-46°18', W. -48°30', R. -92°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	FI.(4)W.R.G. period 12s	10 3	W. 9 R. 7 G. 6	White building.	G. 57°36'-71°36', W. -80°18', R. -147°, G. -221°36', W. -229°12', R. -236°54'. Flood light.
9248 C 6636	Riksdalerskaret	59° 07.2' N 18° 25.6' E	FI.(2)W.R.G. period 6s	13 4	W. 9 R. 7 G. 6	White building, red roof.	G. 37°42'-51°30', W. -54°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	2	Post.	Shown Oct. 1 to Mar. 31.
9252 C 6642	Stenholmen, E. side of Korsholmen	59° 07.7' N 18° 25.3' E	FI.W.R.G. period 3s	16 5	W. 4 R. 3 G. 2	Latticed tower.	G. 204°24'-217°24', W. -221°6', R. -282°12'.
9256 C 6644	Genbote	59° 07.9' N 18° 25.8' E	Iso.W.R.G. period 3s	79 24	W. 9 R. 7 G. 6	White structure, red banded.	G. 344°12'-6°, W. -16°12', R. -37°54', G. -46°48', W. -50°, R. -58°42', W. UNINTENSIFIED-142°, G. UNINTENSIFIED-184°48', W. -210°30', R. -234°24'. Flood light.
9260 C 6648	Hummelklapp	59° 08.4' N 18° 26.3' E	Iso.W.R.G. period 4s	16 5	W. 9 R. 7 G. 6	Red tower; 22.	G. INTENSIFIED-247°18'-251°54', W. INTENSIFIED-254°12', R. INTENSIFIED-282°36', G. -302°24', W. -309°54', R. -343°18', G. -32°, W. -38°, R. -47°48', G. -52°42', W. -55°18', R. -65°6'. Flood light.
9262 C 6650	Piltholmsknall	59° 08.6' N 18° 27.9' E	FI.(2)W.R.G. period 6s	23 7	W. 8 R. 6 G. 5	Green tower, white banded.	R. 29°24'-61°36', G. -66°48', W. -71°24', R. -213°24', G. -249°6', W. -253°18', R. -336°30', G. -29°24'. Flood light. Radar reflector.
9264 C 6640	Jutholmen	59° 07.5' N 18° 24.5' E	FI.(2)W.R.G. period 6s	10 3	W. 9 R. 7 G. 6	White building.	G. 351°24'-30°18', W. -38°48', R. -43°54', G. -94°48', R. -110°, W. -223°36'. Flood light.
9268 C 6646	Dalaro, on Saltsacken Shoal	59° 08.0' N 18° 25.2' E	FI.(3)W.R.G. period 9s	10 3	W. 9 R. 7 G. 6	Red lantern.	G. 30°54'-36°48', W. -55°36', G. -244°6', W. -246°18', R. -250°18', G. -263°, R. -30°54'. Flood light.
9280 C 6654	Bo Kappel, entrance to Baggensjarden	59° 18.6' N 18° 17.8' E	FI.(2)W. period 6s	7 2	6	White building, green banded.	
9284 C 6658	Fjardhallan, in Jungfrufjarden	59° 09.3' N 18° 33.3' E	FI.W.R.G. period 3s	23 7	W. 7 R. 5 G. 4	White round tower; 23.	R. 5°48'-31°, G. -63°30', W. -69°, R. -109°18', G. -176°42', R. -198°54', G. -202°, W. -204°42', R. -207°54', G. -245°, G. UNINTENSIFIED-255°6', W. UNINTENSIFIED-290°, W. -5°48'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
9288 C 6660	Grono, W. of Namdofjarden	59° 12.5' N 18° 34.0' E	Iso.W.R.G. period 4s	23 7	W. 5 R. 3 G. 3	Red tower; 27.	G. 155°-246°36', W. -308°18', R. -331°30', G. -352°36', W. -358°36', R. -15°24', G. -52°36', W. -78°24', R. -91°24'.
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, gray base; 26.	G. 15°-34°48', W. -38°12', R. -49°30', G. -62°48', W. -65°54', R. -75°, R. UNINTENSIFIED-133°48', G. UNINTENSIFIED-203°, G. -212°48', W. -219°48', R. -234°, R. UNINTENSIFIED-313° G..
9296 C 6664	Kofoten	59° 13.4' N 18° 37.1' E	FI.W.R.G. period 3s	20 6	W. 6 R. 4 G. 3	White building, red banded, lantern.	W. 213°-359°54', G. -28°48', W. -43°48', R. -53°. Flood light.
9300 C 6666	Franska Stenarna	59° 14.9' N 18° 39.9' E	FI.(2)W.R.G. period 6s	16 5	W. 6 R. 4 G. 3	White lantern, green banded.	G. 35°-42°48', W. -64°, W. UNINTENSIFIED, 210°30', W. -239°30', W. UNINTENSIFIED, 305°18', G. -312°, W. -314°6', R. -321°, W. UNINTENSIFIED-35°.
9308 C 6670	Runo	59° 17.8' N 18° 42.9' E	FI.W.R.G. period 3s	20 6	W. 9 R. 7 G. 6	White lantern.	G. 200°30'-220°24', W. -223°54', R. -243°24', W. UNINTENSIFIED-334°42', G. -357°36', W. -3°42', R. -19°30'. Flood light.
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 building, green banded, lantern; 20.	G. 30°54'-34°54', W. -42°, R. -145°6', G. -179°36', W. -194°36', R. -204°, G. -212°24', W. -214°42', R. -222°6', 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 banded.	G. 23°48'-30°24', W. -46°, R. -59°, 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.	W. 160°-311°, R. -18°, W. -58° 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	Grey lantern.	G. 55°-107°30', W. -111°, R. -181°, G. -224°, W. -232°, R. -314°, G. -335°30', W. -349°, R. -55° Fishing light. Occasional.
9332 C 6463.2	-Tvikobb Islet	59° 24.0' N 19° 02.0' E	FI.W. period 3s		4	Metal framework tower.	Occasional. Fishing light.
9336 C 6406	-Palkobb	59° 24.7' N 18° 54.4' E	FI.(4)W.R.G. period 10s	33 10	W. 10 R. 7 G. 6	White tower, green banded; 35.	G. UNINTENSIFIED10°-22°, G. -35°42', W. -38°6', R. -51°, R. UNINTENSIFIED-135°18', G. UNINTENSIFIED-211°, G. -225°6', W. -228°6', R. -290°.
9340 C 6408	-Stora Moja, E. side	59° 24.8' N 18° 54.1' E	Q.W.R.G.	20 6	W. 8 R. 5 G. 4	Red building, white banded, black base.	G. 215°-233°12', W. -28°, R. -50°.
9344 C 6404	-Stenkobbsgrund	59° 25.8' N 18° 57.1' E	FI.(2)W.R.G. period 6s	39 12	W. 8 R. 5 G. 4	White tower, green banded; 44.	G. 47°-52°42', W. -62°30', R. -78°, R. UNINTENSIFIED-129°48', G. UNINTENSIFIED-204°, G. -221°48', W. -224°30', R. -235°, R. UNINTENSIFIED-265°, R. -305°36', G. UNINTENSIFIED-47°.
9348 C 6402	-Morsken Rock	59° 30.9' N 19° 05.3' E	FI.(3)W.R.G. period 8s	36 11	W. 6 R. 4 G. 3	White cairn, red square daymark.	W. 20°42'-38°6', R. -67°, W. -219°, R. -231°, G. -273°, W. -353°, G. -20°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	-Hundskarsknöv Rock	59° 35.9' N 19° 07.5' E	FI.W.R.G. period 3s	30 9	W. 8 R. 5 G. 4	White tower, red banded; 24.	W. 1°24'-3°12', R. -41°, G. -52°, G. UNINTENSIFIED-97°, G. -107°, R. -117°, R. UNINTENSIFIED-172°, R. -180°, G. -196°42', W. -198°18', R. -209°, R. UNINTENSIFIED-263°, G. UNINTENSIFIED-353°, G. -1°24'.
9356 C 6400	-Mellgrundsknöv	59° 36.5' N 19° 03.5' E	Q.W.R.G.	23 7	W. 5 R. 3 G. 2	White latticed tower.	G. 67°-101°, W. -109°, R. -216°, G. -281°, W. -284°, R. -67° 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 banded; 24.	G. 358°-17°30', W. -19°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.	16 5	W. 7 R. 4 G. 4	Masonry building, red banded, white lantern.	G. 165°-194°, W. -7°6', R. -40°.
9368 C 6669	-Tegelhallan	59° 17.2' N 18° 42.6' E	FI.(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, red band; 23.	G. 36°24'-111°48', R. -169°12', G. -201°48', W. -207°30', R. -225°12', G. -308°48', W. -337°18', R. -36°24'.
9372 C 6673	-Trollharan, E. end of islet	59° 19.0' N 18° 44.8' E	Q.W.R.G.	39 12	W. 4 R. 3 G. 2	White latticed tower, white square daymark; 20.	G. 180°30'-202°24', W. -37°54', R. -45°6'.
9376 C 6495	-Yxhammarskubben	59° 18.8' N 18° 48.6' E	FI.(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 building; 23.	W. 94°42'-166°18', R. -281°54', G. -291°30', W. -297°30', R. -21°36'. Flood light.
9380 C 6496	-Gastholmsgrundet	59° 19.1' N 18° 48.6' E	Q.G.	23 7	3	Green pedestal.	Radar reflector.
9392 C 6502	-Norra Kanholmen	59° 22.2' N 18° 44.7' E	Q.R.	13 4	3	White metal post.	Visible 103°6'-327°48'. Flood light.
9396 C 6498	-Klovholmen	59° 22.3' N 18° 45.1' E	FI.(2)W.R.G. period 6s	23 7	W. 6 R. 4 G. 3	Red tower, red lantern.	G. 298°-315°12', W. -347°, R. -87°24', G. -94°6', W. -115°6'. 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.	G. 261°6'-285°6', W. -289°24', R. -22°48', G. -94°6', W. -99°, R. -120°. Flood light.
9401 C 6505.5	-Sankgrundet	59° 26.0' N 18° 38.7' E	FI.Y. period 4s		1		Occasional.
9402 C 6505	-Gallnoport	59° 23.6' N 18° 36.4' E	FI.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°6'.
9404 C 6506	-Sollenkroka	59° 22.6' N 18° 40.4' E	FI.W.R.G. period 3s	13 4	W. 10 R. 7 G. 6	White lantern.	G. 75°-84°42', W. -88°24', R. -111°6', G. -123°, W. -128°6', R. -155°, R. UNINTENSIFIED-266°54'. Flood light.
9408 C 6504	-Magarna Rock	59° 22.8' N 18° 39.3' E	FI.(3)W.R.G. period 9s	13 4	W. 6 R. 4 G. 3	White lantern.	W. UNINTENSIFIED208°6'-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	FI.(2)W.R.G. period 6s	52 16	W. 6 R. 4 G. 3	White tower; 34.	G. 225°-262°54', W. -266°24', R. -304°30', W. -340°, W. UNINTENSIFIED-80°, W. -111°48'. Flood light.
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 latticed tower.	G. 120°6'-132°6', W. -144°6', 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	FI.W.R.G. period 3s	23 7	W. 7 R. 5 G. 4	White latticed tower, red banded; 23.	W. UNINTENSIFIED 55°-99°24', G. -122°36', W. -129°6', 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 building, red banded, 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	FI.W.R.G. period 3s	16 5	W. 6 R. 4 G. 3	White lantern.	R. 123°30'-140°, G. -151°6', W. -157°, R. -161°54', G. -166°54', W. -170°, R. -251°30', G. -309°18', W. -312°42', R. -320°48'. Flood light.
9440 C 6532	-Varmdolandet	59° 24.0' N 18° 26.5' E	Q.R.G.	16 5	R. 4 G. 3	White metal tower; 13.	G. 273°-345°, R. -167°. Flood light.
9444 C 6534	-Rinda, SW. side of Oxdjupet Channel	59° 23.9' N 18° 26.2' E	Q.R.G.	16 5	R. 4 G. 3	White metal tower.	R. 115°-138°36', G. -204°36', R. -340°. Flood light.
9448 C 6518	-Lindalen Range, front	59° 25.3' N 18° 29.1' E	Iso.W.R.G. period 4s	7 2	W. 6 R. 4 G. 3	White lantern.	G. 265°6'-295°, W. -305°24', R. -83°6', G. -95°48', W. -97°36', R. -120°. Flood light.
9452 C 6518.1	-Mansoren, rear, 900 meters 097° from front	59° 25.2' N 18° 30.1' E	Q.W.	39 12	9	White pedestal, red rectangular daymark, yellow stripes.	Visible in line of range (vorlo)
9456 C 6522	-Stora Berteln, N. side	59° 25.5' N 18° 24.7' E	Q.W.	16 5	9	Red structure.	Visible 98°48'-270°36'. Flood light.
9460 C 6524	-Brodstycket	59° 25.4' N 18° 24.3' E	FI.W.R.G. period 3s	20 6	W. 9 R. 7 G. 6	White lantern; 20.	W. 315°-39°42', R. -75°42', G. -107°54', W. -132°42', R. -240°. Flood light.
9464 C 6524.5	-Tisterogrundet, on Tistero Kummel	59° 25.9' N 18° 23.5' E	FI.(3)W.R.G. period 4s	20 6	W. 9 R. 7 G. 6	White column.	G. 307°18'-323°24', W. -339°54', R. -348°48', G. -2°54', W. -150°12', R. -214°. Flood light.
9465	-Buoy TISTERO	59° 26.0' N 18° 24.0' E	FI.Y. period 3s				
	RACON		T(-)		5		(3 & 10 cm).
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 building, red banded, lantern.	W. 24°42'-206°, R. -220°, G. -224°, W. -235°18', R. -257°12'.
9472 C 6528	-Sandgrundet	59° 23.7' N 18° 21.7' E	FI.W.R.G. period 3s	10 3	W. 5 R. 3 G. 2	White lantern.	G. 86°-104°, W. -284°30', R. -305°.
9476 C 6544	-Furuholmen, Oxdjupet Channel, W. entrance	59° 22.3' N 18° 20.1' E	FI.W.R.G. period 3s	16 5	W. 6 R. 4 G. 3	White lantern.	R. 340°-44°, G. -69°24', W. -71°42', R. -76°30', G. -157°42', W. -189°12', R. -205°. Flood light.
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 banded, black base.	G. 27°30'-72°12', W. -81°36', R. -119°42', G. -130°18', W. -141°6', R. -172°48', G. -241°18', R. -27°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.	G. 93°-99°, W. -102°6', R. -259°, G. -268°36', W. -274°48', R. -292°. Flood light.
9488 C 6572	-Sodemnas	59° 21.7' N 18° 27.1' E	FI.W.R.G. period 3s	20 6	W. 5 R. 4 G. 3	White lantern.	G. 336°-49°36', W. -70°, R. -97°, G. -157°48', W. -175°, R. -181°. Flood light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
9492 C 6571	-Lagnogrundet	59° 21.5' N 18° 24.9' E	FI.(3)W.R.G. period 4s	20 6	W. 9 R. 7 G. 6	White pedestal.	G. 108°-135°, R. -187°, G. - 271°36', W. -298°, R. - 108°. Flood light. Radar reflector.
9496 C 6570	-Tynningo, Oxdjupet Channel, N. side	59° 22.3' N 18° 23.3' E	FI.(2)W.R.G. period 6s	16 5	W. 6 R. 4 G. 3	Grey tower; 20.	G. 294°-306°, W. -311°24', R. -343°, W. UNINTENSIFIED-74°, G. -99°30', W. -100°48', R. - 120°. Flood light.
9504 C 6536	-Bogesund	59° 22.8' N 18° 18.2' E	FI.(2)W.R.G. period 6s	13 4	W. 6 R. 4 G. 3	White lantern.	R. 260°-268°, G. -281°24', W. -284°6', R. -0°, G. - 90°24', W. -94°48', R. - 106°. Flood light.
9508 C 6538	-Granholmen, W. extremity	59° 22.7' N 18° 17.7' E	FI.W.R.G. period 3s	13 4	W. 12 R. 9 G. 7	White lantern.	G. 299°-319°18', W. - 349°54', R. -39°, G. - 49°42', W. -54°30', R. - 84°, G. -94°18', W. - 98°48', R. -285°. Flood light.
9512 C 6539	-Stora Hoggarnsbank	59° 22.4' N 18° 16.8' E	Q.W.R.G.	23 7	W. 8 R. 6 G. 5	White building.	G. 0°-35°24', W. -41°12', R. - 60°, G. -178°, R. -224°, G. -283°, W. -286°, R. - 0°. Flood light. Radar reflector.
9516 C 6545.2	-Lilla Hoggarnsbank	59° 21.9' N 18° 16.1' E	Q.R.	20 6	4	White building, red banded, black base.	Flood light.
9520 C 6546	-Alvviksgrundet	59° 21.8' N 18° 15.5' E	Iso.W.R.G. period 6s	20 6	W. 12 R. 9 G. 8	White tower; 26.	G. UNINTENSIFIED156°48'- 174°, W. UNINTENSIFIED- 177°30', R. UNINTENSIFIED-187°, R. -211°6', G. -229°, W. - 235°48', R. -250°30', G. - 270°30', W. -343°24', R. - -10°18', G. -32°42', W. - 43°42', R. -54°12', G. - 69°30'. Flood light.
9524 C 6540	-Vastra Haga, on Vadero	59° 23.6' N 18° 10.5' E	FI.(2)W.R.G. period 6s	16 5	W. 5 R. 4 G. 3	White lantern.	G. 283°18'-290°, W. - 297°18', R. -328°30', W. -59°12', G. -88°6', W. - 91°, R. -100°. Occasional.
9528 C 6549	-Kungshamn, entrance to Skurusund	59° 20.1' N 18° 12.5' E	FI.W.R.G. period 3s	20 6	W. 6 R. 4 G. 3	White lantern.	G. 45°-58°30', W. -61°54', R. - -76°12', G. -90°48', W. - 97°54', R. -205°18', G. - 219°, W. -227°30', R. - 255°.
9532 C 6541	-Djursholmsudde	59° 23.7' N 18° 06.1' E	FI.(4)W.R.G. period 12s	16 5	W. 5 R. 4 G. 3	White lantern.	G. 269°54'-282°18', W. - 285°48', R. -311°24', G. - 28°12', W. -42°54', R. - 61°42'. Occasional.
9536 C 6542	-Aludden	59° 23.5' N 18° 05.6' E	FI.(2)W.R.G. period 6s	16 5	W. 5 R. 4 G. 3	White lantern.	G. 223°42'-238°, W. -260°, R. -275°30', W. -357°12', G. -1°42', W. -19°54', R. - -36°48'. Occasional.
STOCKHOLM:							
9548 C 6550	-Libertus, N. side	59° 19.9' N 18° 10.6' E	FI.(3)W.R.G. period 9s	20 6	W. 5 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	FI.(2)W.R.G. period 6s	20 6	W. 6 R. 4 G. 3	White tower; 16.	W. 186°-211°, R. -222°, G. - 244°42', W. -86°24', R. 86°30'-95°.
9560 C 6551.2	-Lilla Vartan 4	59° 21.1' N 18° 07.0' E	Q.R.	20 6	6	Post, daymark.	Flood light. Radar reflector.
STOCKHOLM APPROACH:							

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
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. Reduced range towards archipelago.
9578 C 6386.9	-Remmargrundets Norra Range, front	59° 45.9' N 19° 19.0' E	Iso.W. period 4s	26 8	3	White concrete tower, red banded; 21.	Visible 35°-210°. Radar reflector.
9580 C 6387	-Remmargrund, rear, 500m 182°30' from front	59° 45.5' N 19° 19.0' E	L.FI.W.R.G. period 8s fl. 2s, ec. 6s	66 20	W. 13 R. 10 G. 9		G. 61°-66°, W. -72°30', R. -148°, G. -176°, W. -207°, R. -226°, G. -238°, W. -256°, R. -281°30', G. -343°30', R. -61°. Flood light. AIS (MMSI No 992652125). Radar Reflector.
	RACON		M(-)		15		(3 & 10 cm).
9581 C 6387.2	--Norrskaren	59° 46.2' N 19° 18.2' E	Fl.G. period 3s	26 8	2	White concrete tower, green banded; 21.	Visible 155°-39°. Radar reflector.
9582 C 6387.3	--Osterskarsbadan	59° 45.7' N 19° 17.7' E	Fl.(2)G. period 6s	30 9	2	White concrete tower, green banded; 21.	Visible 154°-41°. Radar reflector.
9584 C 6388.5	--Nygrund	59° 45.0' N 19° 15.6' E	Fl.(4)G. period 12s	30 9	5	Green tower, gallery.	
9588 C 6390	--Lerskarsgrund	59° 44.3' N 19° 13.5' E	Fl.(3)W.R.G. period 9s	39 12	W. 13 R. 9 G. 8	Black round tower, red banded; 42.	G. 60°-67°, W. -72°30', R. -168°, G. -245°, W. -250°30', R. -60°. Flood light.
9592 C 6389	--Norra Lerskaret	59° 44.3' N 19° 14.1' E	Q.W.R.G.	16 5	W. 9 R. 7 G. 6	Orange pedestal, white top.	G. 60°-72°, W. -243°, R. -255°. Flood light.
9596 C 6391	-Botveskar	59° 44.0' N 19° 11.0' E	Fl.(2)W.R.G. period 6s	23 7	W. 13 R. 9 G. 8	White lantern.	G. 230°-249°30', W. -253°, R. -259°, W. -354°, R. -8°, G. -64°, W. -68°, R. -76°, G. -84°. Flood light.
9600 C 6382	-Tjocko	59° 45.3' N 19° 06.2' E	Q.W.R.G.	20 6	W. 9 R. 7 G. 6	White pedestal, green banded.	G. 315°-7°, W. -75°, R. -100°, G. -127°, W. -133°, R. -165°, G. -196°, W. -275°. Flood light.
9604 C 6394.5	-Farholmsrevet, Granhamnsfjarden	59° 43.8' N 19° 06.7' E	Iso.W.R.G. period 2s	10 3	W. 7 R. 4 G. 4	White building.	G. 235°-302°, W. -305°30', R. -9°, G. -66°30', W. -74°, R. -121°.
9608 C 6412	--Kapellskar	59° 43.1' N 19° 04.8' E	Fl.(4)W.R.G. period 12s	36 11	W. 11 R. 8 G. 7	White tower, green banded; 30.	G. 180°-194°, W. -204°30', R. -228°, G. -251°, W. -259°30', R. -269°, G. -304°30', R. -13°30', G. -37°30', R. -58°. Flood light.
9620 C 6412.2	--Svedjelandet Range, front	59° 43.4' N 19° 03.8' E	F.G.	13 4	7	Mast, green triangle, point up daymark, 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.	20 6	7	Mast, green triangle, point down daymark, white stripe.	Occasional.
9628 C 6395	--Idskarskobben	59° 41.6' N 19° 07.4' E	Fl.W.R.G. period 3s	23 7	W. 5 R. 3 G. 2	White latticed tower.	W. 8°-70°, R. -88°, G. -152°, W. -157°, R. -348°, G. -8°. Fishing light. Occasional.
9632 C 6416	--Maro, N. point	59° 42.2' N 19° 03.6' E	Fl.W.R.G. period 5s	16 5	W. 10 R. 7 G. 6	Red lantern, white banded.	R. 58°-61°, G. -71°, W. -180°30', R. -213°30', G. -221°30', W. -230°30', R. -247°30'. Flood light.
9636 C 6418	--Alandskobb	59° 41.2' N 18° 59.1' E	Fl.(2)W.R.G. period 6s	16 5	W. 10 R. 7 G. 6	Green lantern, white banded.	G. 235°30'-241°, W. -245°, R. -267°. UNINTENSIFIED-10° G. UNINTENSIFIED-23° G., W. -49°30', R. -57°. Flood light.

(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	FI.W.R.G. period 3s	26 8	W. 9 R. 7 G. 6	Red tower, white banded; 20.	W. 36°30'-39°, R. -48°, G. -52°, W. -55°, R. -66°, G. -128°, R. -229°, G. -237°, W. -240°, R. -305°, G. -36°30'. Flood light. 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 6	W. 10 R. 7 G. 6	Green metal column, construction and white round concrete pillar.	G. 200°-229°24', W. -233°18', R. -320°, G. -46°, W. -49°, R. -52°, G. -70°. Flood light. Radar reflector.
9646 C 6401	--Storvik	59° 35.5' N 18° 54.7' E	F.W.R.G.	16 5	W. 5 R. 4 G. 3	White building; 10.	R. 165°-215°42', G. -244°12', W. -250°12', R. -257°6', G. -263°12', W. -266°30', R. -287°36', G. -45°. Occasional.
9648 C 6421	--Gryten Islet, S. side	59° 37.1' N 18° 49.1' E	FI.(4)W.R.G. period 10s	20 6	W. 9 R. 7 G. 6	White tower, green banded.	R. 210°-228°, G. -233°, W. -234°30', R. -257°, W. -21°, R. -38°, G. -51°30', W. -53°, R. -77°. Flood light.
9652 C 6422	--Yxlan, SW. side	59° 35.5' N 18° 47.6' E	FI.(3)W.R.G. period 9s	23 7	W. 9 R. 6 G. 5	Red building, white banded.	G. 67°30'-75°, W. -77°, R. -96°, G. -210°, W. -216°30', R. -235°. Flood light.
9656 C 6423	--Vaxlet Norra	59° 35.2' N 18° 43.7' E	FI.W.R.G. period 3s	23 7	W. 9 R. 7 G. 6	White concrete tower, red banded.	G. 58°-68°, W. -72°, R. -85°, 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	FI.(2)W.R.G. period 6s	13 4	W. 9 R. 7 G. 6	White pedestal, green banded, lantern.	W. 253°-234°, R. -244°, G. -253°. Flood light. Radar reflector.
9664 C 6426	--Lunsen	59° 34.5' N 18° 41.1' E	Q.W.R.G.	23 7	W. 9 R. 7 G. 6	White pedestal, red banded, lantern.	G. 55°-64°, W. -82°, R. -96°, G. -249°30', W. -252°30', R. -260°. Flood light. Radar reflector.
9672 C 6430	--Staboudde	59° 33.7' N 18° 37.8' E	FI.(4)W.R.G. period 12s	10 3	W. 9 R. 7 G. 6	White structure, green banded.	G. 237°-239°30', W. -244°, R. -271°30', G. -5°, W. -53°30', R. -62°. Flood light.
9676 C 6431	--Stabogrund	59° 33.6' N 18° 37.7' E	Q.W.R.G.	16 5	W. 9 R. 7 G. 6	Red structure, white banded.	W. 59°-241°, R. -326°, G. -59°. Flood light. Radar reflector.
9680 C 6432	--Ryssmasterna	59° 31.9' N 18° 32.9' E	FI.W.R.G. period 6s fl. 1s, ec. 5s	10 3	W. 10 R. 7 G. 6	Red lantern, white roof.	G. 46°-52°18', W. -52°54', R. -142°, G. -232°30', W. -236°12', R. -241°. Flood light.
9684 C 6433	--Gullholmen	59° 31.4' N 18° 31.2' E	FI.(2)W.R.G. period 6s	20 6	W. 9 R. 7 G. 6	Mast, green white rectangular daymark.	G. 230°-1°, W. -8°, R. -56°. Flood light.
9688 C 6440	--Nykvarnsholmen	59° 30.7' N 18° 29.6' E	Iso.W.R.G. period 4s	20 6	W. 9 R. 7 G. 6	Green lantern, white banded.	G. 200°-235°, W. -54°, R. -100°. Flood light.
9692 C 6442	--Nykvarnsgrund	59° 30.6' N 18° 29.5' E	Q.W.R.G.	20 6	W. 9 R. 7 G. 6	Red lantern, white banded.	G. 332°-52°, W. -231°, R. -322°. Flood light. Radar reflector.
9696 C 6434	--Sandkullen, Ostra Saxafjarden	59° 30.1' N 18° 31.0' E	Iso.W.R.G. period 4s	10 3	W. 10 R. 7 G. 6	Red lantern.	G. 21°6'-28°54', W. -40°54', R. -114°6', G. -174°30', W. -184°42', R. -214°30'. Flood light.
9700 C 6444	--Vallersvik	59° 29.9' N 18° 27.6' E	FI.(4)W.R.G. period 12s	23 7	W. 10 R. 7 G. 6	White structure, green banded.	G. 221°24'-231°54', W. -234°36', R. -312°30', G. -19°24', W. -22°12', R. -34°30'. Flood light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-BALTIC SEA							
9704 C 6446	--Mjolko, on Rodhall	59° 27.4' N 18° 25.7' E	FI.(2)W.R.G. period 6s	13 4	W. 10 R. 7 G. 6	Green structure, base.	G. 183°36'-196°6', W. - 203°12', R. -306°54', G. - 352°54', W. -29°, R. - 39°12'. Flood light.
9708 C 6452	--Ostra Alogrundet	59° 26.7' N 18° 24.8' E	Iso.W.R.G. period 4s	20 6	W. 6 R. 4 G. 3	White tower; 25.	G. 200°48'-216°12', W. - 245°30', R. -270°54', G. - 282°48', W. -286°6', R. - 340°54', G. -53°42', W. - 64°42', R. -70°54'. Flood light.
9712 C 6453	--Bjurogrund	59° 26.6' N 18° 26.4' E	FI.(2)G. period 6s	13 4	6	Metal framework tower.	Flood light.
9716 C 6454	---Valoarna, on N. rock	59° 26.0' N 18° 29.9' E	FI.(4)W.R.G. period 12s	13 4	W. 6 R. 4 G. 3	White lantern.	G. 320°6'-329°12', W. - 338°12', R. -34°30', G. - 104°12', W. -107°42', R. - 124°30', G. -187°54', W. - 240°6', R. -270°.
9724 C 6436	--Ikorn, on rock	59° 29.3' N 18° 29.5' E	FI.(2)W.R.G. period 6s	23 7	W. 10 R. 7 G. 6	Red tower.	G. 202°-217°18', W. -221°6', R. -247°30', G. -349°42', W. -356°6', R. -0°6'. Flood light.
9728 C 6448	--Ekoren	59° 28.1' N 18° 25.1' E	FI.W.R.G. period 4s fl. 1s, ec. 3s	13 4	W. 10 R. 8 G. 6	Red lantern, white roof.	G. 39°42'-45°6', W. -50°54', R. -155°30', G. -223°24', W. -224°42', R. -244°30'. Flood light.
9732 C 6450	--Lerviksudde, SE. side of point, S. entrance to channel	59° 27.2' N 18° 23.2' E	FI.(2)W.R.G. period 6s	10 3	W. 10 R. 7 G. 6	White lantern, green banded.	G. 210°-222°12', W. - 224°30', R. -262°, G. - 15°18', W. -27°, R. -39°. Flood light.
SWEDEN-GOTLAND							
9736 C 7210	Hoburg	56° 55.3' N 18° 09.1' E	FI.W. period 5s	190 58	27	White tower; 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	FI.(2)W.R.G. period 6s	23 7	8	White tower; 20.	G. 32°2'-62°18', W. -91°12', R. -183°48', W. UNINTENSIFIED- 210°36', R. UNINTENSIFIED- 229°36'.
9744 C 7214	Burgsvik Range, front	57° 03.0' N 18° 17.5' E	Iso.W. period 4s	13 4	12	Post, white square daymark, red stripe.	Shown 24 hours. Temporarily extinguished 2018.
9748 C 7214.1	-Rear, 270 meters 073° from front	57° 03.0' N 18° 17.5' E	Iso.W. period 4s	52 16	12	Post, white square daymark, red stripe.	Shown 24 hours. Synchronized with front. Temporarily extinguished 2018.
9752 C 7211	Nasrevet	57° 03.4' N 18° 09.6' E	FI.W.R.G. period 3s	26 8	W. 7 R. 5 G. 4	Red tower, white top, gray base; 29.	R. 298°-355°18', G. -25°48', W. -151°, R. -170°, G. - 184°48' 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° 01.8' N 18° 15.6' E	F.R.	23 7		White mast, white triangle, point up daymark.	
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 triangle, point down daymark.	
9772 C 7224	Stora Kariso	57° 17.4' N 17° 57.5' E	L.FI.(2)W.R. period 12s fl. 2s, ec. 2s fl. 2s, ec. 6s	184 56	W. 16 R. 13	White tower; 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	23 7	11	White column.	Visible in line of range (vorlo) 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.	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 banded; 20.	Flood light.
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 banded; 27.	R. 7°-44°, G. -55°, W. -87°, R. -209°, G. -239°, W. - 245°, R. -296°. Flood light.
9800 C 7238	-Old N. breakwater Range, front	57° 38.4' N 18° 17.0' E	Oc.R. period 12s			Pedestal, red triangle, point up daymark, white banded.	
9804 C 7238.1	--Rear, 230 meters 055° from front	57° 38.4' N 18° 17.4' E	Oc.R. period 12s			Pedestal, orange triangle, point down daymark, red banded.	
9808 C 7242	Flundereviken Range, front	57° 40.1' N 18° 19.8' E	F.R.	16 5	5	Metal post, red triangle, point up daymark, white banded.	
9812 C 7242.1	-Rear, 27 meters 096° from front	57° 40.1' N 18° 19.8' E	F.R.	23 7	5	Metal post, red triangle, point down daymark, white banded.	
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	138 42	W. 10 R. 8 G. 7	White round metal tower; 49.	G. 27°-37°, W. -220°, R. - 236°.
9820 C 7248	Lickershamn Range, front	57° 49.6' N 18° 31.0' E	F.G.	7 2	2	Post, white triangle, point up daymark.	Visible in line of range (vorlo) Occasional.
9824 C 7248.1	-Rear, 40 meters 148° from front	57° 49.7' N 18° 30.8' E	F.G.	33 10	2	Post, white triangle, point down daymark.	Visible in line of range (vorlo) Occasional.
9828 C 7250	Hallshuk	57° 55.4' N 18° 44.9' E	L.FI.(4)W.R.G. period 20s fl. 2s, ec. 2s fl. 2s, ec. 2s fl. 2s, ec. 2s fl. 2s, ec. 6s	108 33	W. 14 R. 11 G. 10	White building.	G. 110°-144°, W. -261°54', R. -290°6'.
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	Latticed 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	FI.W. period 5s	135 41	24	Brown wooden tower; 75.	Partially obscured 280°-13° by vegetation.
			F.R.	121 37	15		Visible 164°-186°.
9836 C 7156	-Kyrkudden, E. point	58° 21.9' N 19° 19.3' E	FI.(3)W. period 9s	39 12	7	White round tower; 41.	Visible 149°-37°.
9840 C 7154	-Hamnudden, SW. point	58° 20.3' N 19° 12.9' E	FI.(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 masonry tower; 99.	R. 7°54'-89°42', W. - 174°54', R. -194°54', W. -7°54'. Obscured by vegetation when bearing less than 140°.
9848 C 7160	Faro Norsholm	57° 59.9' N 19° 14.5' E	FI.W.R.G. period 3s	30 9	W. 5 R. 3 G. 2	White latticed tower.	G. 1°30'-100°12', W. - 209°6', R. -237°12', G. - 265°36', W. -267°12', R. -1°30'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GOTLAND							
9852 C 7163	Bungeor, S. entrance to Farosund	57° 49.5' N 19° 07.0' E	L.FI.(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 banded; 46.	G. 199°36'-208°, R. - 219°36', G. -230°24', W. -235°42', R. -264°18', G. -308°6', W. -3°12', R. - 30°12', G. -157°30', R. - 182°30'.
9856 C 7164	Farosund Sodra, on Flytan Shoal	57° 50.9' N 19° 05.9' E	FI.W.R.G. period 3s fl. 0.3s, ec. 0s	20 6	W. 7 R. 5 G. 4	Red tower; 23.	R. 114°6'-133°24', G. -142°, W. -146°42', R. -151°36', G. -164°18', W. UNINTENSIFIED227°18' -271°30', R. UNINTENSIFIED-290° R. -302°24', G. -344°36', W. -351°, R. -1°30'. Flood light.
9860 C 7168	Farosund Norra Range, front	57° 52.7' N 19° 01.9' E	Q.W. period 3s	33 10	14	White pedestal, white triangle, point up daymark.	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 2s	82 25	14	White pedestal, white triangle, point down daymark.	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	FI.(3)W.R.G. period 9s	39 12	W. 7 R. 5 G. 3	White tower; 34.	G. 284°36'-11°54', W. -29°6', R. -103°54', G. -141°12', W. -198°6', R. -218°6', G. -225°42'.
9872 C 7171	Svingrund	57° 56.0' N 19° 00.9' E	FI.(2)W.R.G. period 6s	36 11	W. 7 R. 5 G. 4	Orange tower, black banded; 31.	W. 102°12'-221°42', R. - 359°6', G. -102°12'.
9876 C 7169	Farosund (Haurevlar), 2.2 meters 208° from Aurgrund Light	57° 54.3' N 19° 01.4' E	FI.(4)W.R.G. period 5s	26 8	W. 4 R. 3 G. 2	White latticed tower, 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.	20 6	2	Post, white triangle, point up daymark.	Occasional. Fishing light.
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 triangle, point down daymark.	Occasional. Fishing light.
9888 C 7178	Grauten	57° 43.6' N 19° 01.6' E	FI.(2)W.R.G. period 6s	39 12	W. 7 R. 5 G. 4	Red tower; 36.	R. 51°6'-94°18', G. 230°54', W. -248°, R. -270°6', W. - 51°6'.
SLITE HAMN:							
9892 C 7182	-Mago, S. end	57° 40.7' N 18° 51.3' E	FI.(3)W.R.G. period 9s	43 13	W. 7 R. 5 G. 4	White tower; 20.	R. 70°6'-105°12', G. - 264°42', W. -70°6'.
9896 C 7184	-Grundet, SW. end	57° 41.7' N 18° 50.0' E	FI.(2)W.R.G. period 6s	13 4	W. 6 R. 4 G. 3	White lantern.	G. 338°30'-1°, W. -12°, R. - 32°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	Latticed tower, orange and red triangle, point up daymark.	
9897.5 C 7185.1	---Rear, 190 meters 320°30' from front	57° 42.8' N 18° 48.5' E	Iso.R. period 4s	66 20	8	Latticed tower, orange and red triangle, point down daymark.	
9898 C 7185.6	--Lannahamnen Range, front	57° 43.1' N 18° 48.6' E	F.G.	16 5	4	Orange triangle, point up daymark.	
9898.1 C 7185.61	---Rear, 331° from front	57° 42.8' N 18° 48.7' E	F.G.	23 7	4	Orange triangle, point down daymark.	
9900 C 7186	Botvaldavic Range, front	57° 35.1' N 18° 48.1' E	F.R.	26 8	3	Post, white triangle, point up daymark.	Fishing light.
9904 C 7186.1	-Rear, about 195 meters 255° from front	57° 35.2' N 18° 48.4' E	F.R.	36 11	3	Post, white triangle, point down daymark.	Occasional. Fishing light.
9908 C 7192	Herrviken, W. breakwater, head	57° 25.5' N 18° 54.9' E	FI.W.R.G. period 2s	20 6	4	White pedestal.	G. 124°-196°, W. -222°, R. - 265°, W. -124°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GOTLAND							
9912 C 7188	Ostergarnsholme	57° 26.5' N 18° 59.1' E	L.FI.(2)W.R. period 15s fl. 2.5s, ec. 2.5s fl. 2.5s, ec. 7.5s	118 36	W. 10 R. 8	White round masonry tower, black banded; 95.	W. 130°48'-221°48', R. - 271°54', W. -80°48'.
9916 C 7189	-W. side of island	57° 26.5' N 18° 57.6' E	FI.(2)W.R.G. period 6s	39 12	W. 7 R. 5 G. 4	White lantern.	G. 332°18'-344°36', W. - 21°12', R. -42°48', W. - 89°6', 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. 250°48'-300°42', R. - 342°, G. -0°36'.
9924 C 7198	Laus Holmar	57° 16.6' N 18° 45.7' E	FI.W.R.G. period 3s	23 7	W. 6 R. 5 G. 3	White tower; 20.	R. 21°-30', R. UNINTENSIFIED-115°, G. UNINTENSIFIED- 119°, G. -211°, W. -21° Fishing light.
9928 C 7200	Nar	57° 13.1' N 18° 40.9' E	Oc.W.R. period 8s	66 20	W. 16 R. 13	Red round metal tower, three white bands; 52.	R. 30°-58', W. UNINTENSIFIED-178°, W. -194°, R. -200°, W. - 30°.
9932 C 7202	Ronehamn	57° 10.3' N 18° 32.5' E	FI.(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, gray base; 36.	W. 52°-57', R. -76°, G. UNINTENSIFIED-170°, R. UNINTENSIFIED- 224°30', G. -243°, W. - 266°30', R. -350°, G. - 52°. 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 triangle, point up daymark.	Visible in line of range (vorlo) Shown 24 hours.
9940 C 7202.5	-Rear, 690 meters 325° from front	57° 10.6' N 18° 29.0' E	F.R.	56 17	8	Post, red triangle, point down daymark.	Visible in line of range (vorlo) 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 triangle, point up daymark.	Visible in line of range (vorlo) Shown 24 hours.
9948 C 7202.8	-Rear, 151 meters 332° 30' from front	57° 10.4' N 18° 29.8' E	F.G.	59 18	7	Mast, white triangle, point down daymark.	Visible in line of range (vorlo) Shown 24 hours.
9956 C 7205	Vandburg Range, front	56° 56.9' N 18° 18.4' E	Q.R.	26 8	2	Mast, red triangle, point up daymark.	
9960 C 7205.1	-Rear, about 165 meters 322° from front	56° 56.9' N 18° 18.5' E	Q.R.	39 12	2	Mast, red triangle, point down daymark.	G. 222° lights in line mark new fishing harbor 300 meters S.
9964 C 7206	Heligholmen, S. end of islet	56° 55.4' N 18° 17.1' E	FI.(2)W.R.G. period 6s	43 13	W. 7 R. 5 G. 4	White tower; 30.	G. 215°-255°6', W. -40°48', R. -80°.
SWEDEN-AHVENAN MERI (ALANDS SEA)							
9968 C 6460	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.	Visible INTENSIFIED195°- 75°.
9972 C 6459	Svenska Bjorn, on S. Klatten	59° 32.9' N 20° 01.1' E	L.FI.W. period 8s fl. 2s, ec. 6s	105 32	11	Black tower, orange banded, grey base; 105.	Helicopter Platform.
			4Q.W.	52 16	2		Mark middle of tower.
	RACON		B(-...)				(3 & 10 cm).
9972.2 C 6459.3	Troskeln Ostra	59° 39.7' N 19° 55.2' E	V.Q.(2)W. period 4s fl. 0.3s, ec. 0.3s fl. 0.3s, ec. 3.1s	43 13	8	Orange and white metal post, white top.	Helicopter Platform. Radar reflector.
9976 C 6362	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 banded; 52.	G. 135°-144°18', W. - 226°42', R. -239°6', G. - 254°30', W. -301°, R. - 322°48', G. -356°18', R. UNINTENSIFIED-135°. Flood light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-AHVENAN MERI (ALANDS SEA)							
	RACON		N(- •)		15		(3 & 10 cm).
9984 C 6360	-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 C 6290	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		R. UNINTENSIFIED 20°-113°42', G. UNINTENSIFIED-130° G. -147°18', W. -157°30', R. -176°6', G. -182°36', W. -186°30', R. -193°54', G. -240°, W. -341°42', R. -20° Shown 24 hours Nov. 1 to Mar. 31. Flood light.
	RACON		K(- • -)		11		(3 & 10 cm).
10000 C 6281	-Singo Langor.	60° 10.9' N 18° 47.8' E	FI.W.R.G. period 3s	20 6	W. 6 R. 4 G. 3	White building, white lantern.	R. 58°54'-192°12', G. -212°18', W. -217°12', R. -239°12', G. -280°18', R. -295°30'.
10004 C 6282	--Stangskar	60° 11.7' N 18° 47.6' E	FI.(3)W.R.G. period 9s	20 6	W. 7 R. 5 G. 4	White tower; 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	60° 12.4' N 18° 49.2' E	T(-)		13		(3 & 10 cm).
10016 C 6288	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	W. 15 W. 11 R. 15 R. 9 G. 15		G. 176°42'-181°24', W. -200°, R. -215°36', W. 340°12'-352° (11M), R. -13°30' (9M).
10018 C 6287.5	Marketskallen	60° 18.5' N 19° 01.8' E	Iso.W. period 4s	49 15	6	Green tower, white banded, grey base; 56.	Helicopter Platform.
	RACON		M(- -)				(3 & 10 cm).
10028 C 6285	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		G. 21°30'-131°, W. -136°12', R. -163°12', W. -321°36', G. -336°6', W. -340°, R. Obscured 50°-155° when within 900 meters from light. Helicopter Platform.
	RACON		G(- - •)		17		(3 & 10 cm).
10030 C 6287	S. Kvarken	60° 25.7' N 19° 05.0' E	FI.(2)W. period 6s	56 17	7	White structure, green banded, gray plinth; 56.	
	RACON		K(- • -)		15		(3 & 10 cm).
SWEDEN-GULF OF BOTHNIA							
10032 C 6364	Gavlehassten	59° 53.0' N 19° 05.1' E	Q.R.G.	30 9	R. 4 G. 3	Black tower; 26.	R. 75°-255°, G. -75°. Radar reflector.
10036 C 6366	Naskubben	59° 52.5' N 19° 05.0' E	FI.(3)W.R.G. period 9s	33 10	W. 9 R. 6 G. 5	Red building, white base; 23.	G. 164°-171°, R. -271°, G. -333°, W. -347°, R. -15°. Flood light.
10044 C 6371	-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 base.	G. 112°-179°30', R. -205°, G. -234°, W. -239°, R. -298°, G. -338°30', R. -0°, G. -25°. Flood light.
10048 C 6372	-Dejeudden	59° 51.5' N 19° 05.0' E	Q.W.R.G.	26 8	W. 9 R. 7 G. 6	Red tower.	R. 188°-214°, G. -357°, W. -1°, R. -7°. Flood light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
10052 C 6370	-Arholma Range, front	59° 50.7' N 19° 06.2' E	Iso.W. period 4s	30 9	10	Red tower; 20.	Visible in line of range (vorlo)
10056 C 6370.1	--Rear, 500 meters 164°30' from front	59° 50.4' N 19° 06.3' E	Q.W.	69 21	9	Red metal tower.	Visible in line of range (vorlo)
10060 C 6373	-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.	G. 156°-187°, W. -197°, R. -270°, G. 314°, W. -350°, R. -30°. Flood light.
10064 C 6374	-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 banded.	G. 21°-28°, W. -35°, R. -90°, G. -156°, W. -161°, R. -169°. Flood light.
10068 C 6375	-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	Beacon tower.	G. 80°-119°18', R. -189°54', G. -273°30', W. -277°, R. -290°. Flood light.
10072 C 6376	-Jamberget	59° 46.3' N 19° 00.5' E	Fl.W.R.G. period 3s	26 8	W. 5 R. 4 G. 3	Red banded, beacon tower.	G. 65°-100°48', R. -180°18', G. -219°54', W. -232°48', R. -258°48', G. -283°36', R. -320°. Radar reflector.
10076 C 6376.4	-Ekknoude, S. side	59° 46.5' N 18° 58.9' E	Fl.(2)W.R.G. period 6s		W. 5 R. 4 G. 3	Beacon tower.	G. 260°-278°48', W. -281°, R. -359°54', G. -97°6', W. -100°12', R. -109°.
10080 C 6377	-Kobussoren Range, front	59° 46.7' N 18° 57.8' E	Iso.W.R.G. period 4s		W. 6 R. 4 G. 3	Beacon tower.	G. 180°-286°36', W. -23°18', G. -89°24', W. -91°54', R. -109°24'. Radar reflector.
10084 C 6377.1	--Rear, about 600 meters 090°30' from front	59° 46.6' N 18° 58.3' E	Q.W.		6	Beacon.	
10088 C 6377.5	-Tistelo, S. point	59° 46.6' N 18° 51.0' E	Fl.(2)W.R.G. period 6s		W. 5 R. 4 G. 3	Beacon tower.	G. 251°42'-264°48', W. -270°6', R. -348°, G. -69°12', W. -73°54', R. -89°. Radar reflector.
10092 C 6378	-Harko, N. side of Tjuvholmen	59° 45.6' N 18° 45.6' E	Q.W.R.G.		W. 5 R. 4 G. 3	Beacon tower.	G. 0°-76°, W. -178°48', G. -241°6', W. -250°6', R. -259°42'.
10096 C 6379	--Range, front	59° 45.4' N 18° 43.0' E	Iso.Y. period 4s	16 5	6	Mast, orange triangle, point up daymark.	Visible in line of range (vorlo)
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 triangle, point down daymark.	Synchronized with front.
NORRTALJERANNAN:							
10104 C 6379.3	-Norrtaljerannan No 1	59° 45.5' N 18° 43.4' E	F.G.	10 3	3	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.
VADDO KANAL:							
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°6', 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.	26 8	12	White tower.	
10172 C 6278	Rastensudde, N. point of Singo	60° 13.3' N 18° 43.7' E	Fl.W.R.G. period 3s	30 9	W. 9 R. 6 G. 5	White lantern, red banded.	G. 122°6'-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°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
10176 C 6259.6	Skogsskar	60° 14.0' N 18° 46.0' E	FI.(2)W.R.G. period 6s	26 8	W. 7 R. 4 G. 4	White building, green banded.	G. 296°6'-15°36', W. -61°30', R. -72°, 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 9s	23 7	W. 6 R. 4 G. 3	White pedestal, red banded.	W. 50°30'-178°42', R. -223°30', G. -262°48', W. -270°30', R. -310°30', G. -50°30'. Flood light. 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	16 5	W. 7 R. 5 G. 4	White lantern.	G. 103°36'-108°42', W. -115°6', R. -218°54', G. -291°54', W. -295°30'. Flood light.
10192 C 6260.1	--Tolvoregrundet Range, common rear	60° 15.5' N 18° 37.6' E	Q.W.	75 23	12	Red framework tower, grey banded; 66.	Intensified on range lines only.
			Oc.W.R.G. period 6s	26 8	W. 9 R. 7 G. 6		G. 128°30'-130°48', W. -133°42', R. -194°, G. -293°, W. -294°48', R. -306°. Flood light.
			Q.W.	75 23	12		Intensified on range line only.
10204 C 6262	Hummelgarden	60° 16.1' N 18° 36.0' E	FI.(3)W.R.G. period 9s	20 6	W. 9 R. 6 G. 5	Red pedestal.	G. 132°48'-140°, W. -141°24', R. -223°30', G. -299°42', W. -303°, R. -306°24'. Flood light. Radar reflector.
10248 C 6244	Djursten	60° 22.1' N 18° 23.6' E	L.FI.W.R.G. period 9s fl. 2s, ec. 7s	66 20	W. 11 R. 9 G. 7	White round masonry tower, black banded, lantern; 49.	G. 136°30'-149°48', W. -156°30', R. -167°. Flood light.
10252 C 6235.8	Storskaret	60° 23.0' N 18° 17.0' E	FI.(2)W.R.G. period 6s	20 6	W. 6 R. 4 G. 3	Metal structure, red daymark; 19.	G. 240°12'-252°12', W. -266°6', R. -282°18', G. -288°18', R. , , R. 259°.
10260 C 6235.6	Stanggrundet	60° 24.0' N 18° 14.0' E	I.V.Q.W.R.G. period 6s	26 8	W. 6 R. 4 G. 3	Metal post, red triangle, point up daymark; 20.	G. 90°-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.	23 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°-26° Fishing light.
10272 C 6241	-Sodra	60° 28.0' N 18° 23.0' E	FI.W.R.G. period 3s	16 5	W. 4 R. 2 G. 1	Post.	W. 290°-53°, G. -105°, W. -113°, R. -153°, W. -200° Fishing light. Occasional.
10276 C 6243	-Engelska Grundet	60° 27.9' N 18° 19.7' E	FI.(3)W.R.G. period 9s	69 21	W. 9 R. 6 G. 5	White concrete tower, red top, gray base; 73.	G. 6°6'-108°, R. -126°, G. -142°, W. -184°6', R. -219°, G. -265°18', W. -270°24', R. -295°30', G. -339°, W. -345°12', R. -6°6'. Radar reflector.
10280 C 6236	Orskar	60° 31.6' N 18° 22.4' E	L.FI.(2)W. period 10s fl. 2s, ec. 2s fl. 2s, ec. 4s	118 36	16	White octagonal tower, two black bands; 106.	Shown 24 hours Nov. 1 to Mar. 31.
10284 C 6234	Angskarsskatan	60° 30.0' N 18° 05.0' E	FI.(2)W.R.G. period 6s	20 6	W. 5 R. 4 G. 3	White lantern.	W. UNINTENSIFIED94°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°6', W. -287°, R. -324°54' Fishing light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
10288 C 6233	Klungsten	60° 33.2' N 18° 02.6' E	FI.W.R.G. period 3s	20 6	W. 6 R. 4 G. 2	White tower; 20.	W. 45°12'-50°24', R. - 137°54', G. -166°12', R. - 201°54', G. -228°48', W. -234°, R. -280°18', G. - 302°24', R. -357°6', G. - 45°12'. Occasional.
10292 C 6227	Fagelsundet Vastra, Gavle	60° 36.0' N 17° 56.1' E	FI.(2)W.R.G. period 6s	16 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	FI.W. period 3s	56 17	8		
	RACON		O(---)		14		(3 & 10 cm).
10300 C 6226	Bjorn	60° 38.3' N 17° 59.2' E	L.FI.W.R.G. period 10s fl. 2s, ec. 8s	75 23	W. 10 R. 7 G. 6	Black tower, white; 82.	W. 15°-60°, G. -82°, W. - 128°, R. -136°, W. -311°, R. -329°, W. -345° W. UNINTENSIFIED-15°.
10304 C 6228	-Fagelsundet Ostra	60° 36.2' N 17° 57.0' E	Q.W.R.G.	16 5	W. 5 R. 3 G. 2	White pedestal.	G. 80°-92°, R. -180°, G. - 229°, R. -247°, G. -261°, W. -263°, R. -267°. Partially obscured 100°- 145°. Occasional. Fishing light. Reserve light.
10308 C 6252	Vastra Banken	60° 52.7' N 17° 55.1' E	FI.(2)W. period 6s	85 26	8		
	RACON		B(-...)		15		(3 & 10 cm).
10312 C 6250	Finngrundet	60° 59.1' N 18° 36.3' E	FI.(2)W.R. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	79 24	W. 12 R. 9	Orange tower, black banded, gray base; 81.	R. 46°-122°, W. -42°.
	RACON		N(-)		16		(3 & 10 cm).
10324 C 6225	Sikhjalma	60° 34.7' N 17° 49.0' E	FI.W.R.G. period 3s	30 9	W. 6 R. 4 G. 3	White pedestal.	R. 39°12'-139°54', G. - 173°36', W. -181°36', R. -193°36', G. -201°36', W. -206°6', R. -219°42'. Fishing light. Occasional.
10328 C 6220	Gardskar	60° 38.5' N 17° 37.7' E	FI.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°6', R. - 268°6', W. UNINTENSIFIED355°- 115°42'.
10337 C 6214.7	E1 Range, front	60° 38.8' N 17° 23.6' E	Q.R.				
10337.1 C 6214.71	-E2, rear, 184°30' from front	60° 38.6' N 17° 23.6' E	Iso.R. period 4s				
10338 C 6214.9	E3, front	60° 38.8' N 17° 24.3' E	F.G.				
10338.1 C 6214.91	-E4, rear, 094° from front	60° 38.8' N 17° 24.5' E	F.G.				
10340 C 6172	Eggegrund	60° 43.7' N 17° 33.5' E	FI.(4)W.R. period 12s		14	White concrete tower; 85.	R. 149°-205°, W. -149°.
10342 C 6173	Purrutsgrund	60° 47.0' N 17° 27.2' E	FI.(2)W. period 4s	36 11	10	White metal tower, green band on concrete base; 16.	Visible 49°-53°.
			FI.(2)W. period 4s	36 11	3		
	RACON		M(-)				(3 & 10 cm).
10344 C 6210	Sikvik	60° 40.1' N 17° 17.9' E	FI.(2)W.R. period 6s	13 4	W. 3 R. 2	White lantern.	R. 268°-283°, W. -288° 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							
10348 C 6176.1	Limo E	60° 42.9' N 17° 22.0' E	Dir.F.W.R.G.	49 15	W. 16 R. 12 G. 8	Latticed tower, white rectangular daymark, red banded; 46.	F.G. 270°-16'-271°12', Al.W.G. -271°43', F.W. -272°43', Al.W.R. -272°42', F.R. -273°42'.
GAVLE CHANNEL:							
10356 C 6184	-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 C 6194.5	-Engesberg Range, front	60° 43.8' N 17° 17.4' E	F.R.	26 8	4	Post, white triangle, point up daymark, red border.	Fishing light.
10364 C 6194.51	--Rear, 50 meters 020° from front	60° 43.8' N 17° 17.4' E	F.R.	33 10	4	Post, white triangle, point down daymark, red border.	Fishing light.
10372 C 6186	-Northern entrance No 1, S. side	60° 43.9' N 17° 19.6' E	Iso.R. period 4s	26 8	5	White tower, red banded, concrete base.	Reserve light. Flood light.
10376 C 6188	--No 2, N. side	60° 43.8' N 17° 19.1' E	Oc.G. period 4s	30 9	4	White tower, green banded, concrete base.	Flood light. Reserve light.
10380 C 6190	--No 3, N. side	60° 43.7' N 17° 18.9' E	Iso.G. period 4s	26 8	4	White tower, green banded, concrete base.	Flood light. Reserve light.
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	Latticed 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	20 6	6	Orange tower, grey.	Flood light.
GAVLE CHANNEL:							
10410 C 6201	-Barsagrundet	60° 41.0' N 17° 12.2' E	FI.G. period 3s	20 6	1		Occasional.
10424 C 6175.9	Skraddarhallan	60° 45.9' N 17° 21.6' E	FI.(2)W.R.G. period 6s	16 5	W. 7 R. 5 G. 4		G. 307°-319°6', W. -326°18', R. -20°6'.
			FI.(2)R. period 6s		12		
10428 C 6174	Trodjehallan	60° 48.4' N 17° 21.4' E	FI.(3)W.R.G. period 9s	43 13	W. 6 R. 4 G. 3	White concrete tower; 33.	G. 174°54'-185°, W. -233°, R. -256°, R. UNINTENSIFIED-274°, G. -290°18', W. -296°6', R. -310°, G. 340°-348°18', W. -349°6', R. -16°.
10432 C 6175	Skommarhallan	60° 49.4' N 17° 19.1' E	Q.W.R.G.	16 5	W. 5 R. 4 G. 3	White tower, red banded.	R. 186°-197°, G. -231°, W. -269°, R. -341°, G. -7°, W. -11°, R. -29°. Occasional.
10436 C 6168	Iggo, SE. side	60° 52.5' N 17° 19.7' E	FI.W.R.G. period 6s	20 6	W. 4 R. 3 G. 2	White pedestal.	G. 190°-207°, W. -358°, R. -75° Fishing light.
NORRSUND HAMN:							
10440 C 6152	-Hallstensoren	60° 56.9' N 17° 10.7' E	FI.(2)W.R.G. period 12s fl. 1s, ec. 2s fl. 1s, ec. 8s	20 6	W. 11 R. 8 G. 9	Orange latticed tower.	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	Latticed tower.	W. 55°42'-56°36', R. -63°6', W. UNINTENSIFIED112°54'-179°30', G. 226°24'-231°30', W. -235°48', R. -241° Reserve light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
10448 C 6156	-Norrundet Range, front	60° 56.5' N 17° 09.6' E	Iso.R. period 4s	26 8	7	Post, red triangle, point up daymark, black stripes.	
10452 C 6156.1	--Rear, 130 meters 244° from front	60° 56.4' N 17° 09.5' E	Q.R.	36 11	6	Metal stand, red triangle, point down daymark, black stripes.	
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.	W. 75°6' -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	30 9	W. 7 R. 5 G. 4	White tower; 26.	R. 80°-97°, G. -125°, W. - 174°, R. -198°, G. -220°, W. -325°, R. -332°, G. - 348°, R. -3°, G. -31°, R. - 48°, G. -80°.
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°6', G. -328°, R. -5°.
10476 C 6122	Storjungfrun	61° 10.1' N 17° 20.1' E	L.Fl.W.R.G. period 8s fl. 2s, ec. 6s	89 27	W. 12 R. 9 G. 7	White tower; 70.	W. 90°-113°, R. -180°, G. - 191°, W. -242°, R. -304°, G. -327°, W. -351°, R. - 15°.
10480 C 6125	Hogharen	61° 06.2' N 17° 16.2' E	Q.W.R.G.	20 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 C 6132	Trollharen Range, front	61° 05.3' N 17° 11.8' E	F.R.	13 4		Post.	Occasional. Fishing light.
10488 C 6132.1	-Rear, 120 meters 213° from front	61° 05.4' N 17° 12.1' E	F.R.	20 6		Post.	Occasional. Fishing light.
10492 C 6116	Vallvik Quay Range, front	61° 11.5' N 17° 10.3' E	F.R.	46 14	6	White latticed tower, white triangle, point up daymark, red border.	Auxiliary orange rectangular daymark.
10496 C 6116.1	-Rear, 275 meters 145° from front	61° 11.3' N 17° 10.5' E	F.R.	59 18	6	White latticed tower, white triangle, point down daymark, red border.	R. Lt. on chimney 400 meters SE.
10500 C 6114	Storstenshare	61° 12.5' N 17° 08.8' E	L.Fl.W.R.G. period 8s	16 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°6', W. - 326°, R. -340°.
10502 C 6114.5	Storgrytan	61° 12.2' N 17° 09.5' E	Fl.W. period 3s	20 6	4	White building, red banded.	
10508 C 6114.6	-Ljusne Sodra Range, front	61° 12.0' N 17° 07.9' E	F.G.	30 9	10	White triangle, point up daymark.	
10512 C 6114.61	--Rear, 90 meters 249° from front	61° 12.0' N 17° 07.8' E	F.G.	39 12	10	White triangle, point down daymark.	
10516 C 6114.4	-Tralhamn Range, front	61° 12.3' N 17° 07.7' E	F.G.	16 5	10	White triangle, point up daymark.	
10520 C 6114.41	--Rear, 120 meters 302°30' from front	61° 12.3' N 17° 07.6' E	F.G.	26 8	10	White triangle, point down daymark.	
10524 C 6112	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 banded.	R. 146°-168°42', G. - 250°48', R. -262°, G. - 267°54', W. -271°54', R. - 278°48', G. -310°48', W. - 313°6', R. -319° Reserve light. In line 269°30' with orange daymark on 10492.

SODERHAMN
APPROACH:

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
10528 C 6087	-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		W. 1°-7°30', R. -18°, G. -24°, W. -33°, R. -54°, G. -75°, W. -78°30', R. -86°, G. - 137°30', R. -146°, G. - 174°, W. -340°, R. -350°, G. -1° Reserve light.
	RACON		G(- - +)		15		(3 & 10 cm).
10532 C 6088	-Norrutharet	61° 15.5' N 17° 17.7' E	FI.(3)W.R.G. period 9s	33 10	W. 3 R. 4 G. 4	White tower; 33.	W. UNINTENSIFIED67°-94°, W. -161°, R. -234°24', G. -255°36', W. -264°6', R. - 313°18', G. -332°36', W. -339°42', R. -1°12'.
10536 C 6092	-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. 65°18'-104°24', R. - 111°42', G. -156°48', W. - 162°12', R. -216°42', G. - 271°12', R. -300°.
10540 C 6113	-Hovskar Range, front	61° 13.3' N 17° 10.2' E	Q.R.	33 10	6	Mast, white triangle, point up daymark, red border.	
10544 C 6113.1	--Rear, 92 meters 338° from front	61° 13.3' N 17° 10.2' E	Iso.R. period 6s	52 16	6	Mast, white triangle, point down daymark, red border.	
10546 C 6113.51	-Orrskar Range, front	61° 13.0' N 17° 09.6' E	Oc.W. period 4s lt. 3s, ec. 1s	26 8	11	Latticed tower, white square daymark, red stripes.	
10546.1 C 6113.5	--Rear, 326° from front	61° 13.1' N 17° 09.5' E	Oc.W. period 4s	49 15	11	Latticed tower, red square daymark, white stripes.	Synchronized with front.
10548 C 6093	-Otterhallen	61° 16.0' N 17° 14.9' E	FI.(2)W.R.G. period 6s	33 10	W. 5 R. 3 G. 3		G. 238°6'-273°6', W. - 280°6', R. -301°, G. - 331°54', R. -93°6'. Radar reflector.
	RACON		N(- +)		10		(3 & 10 cm).
10552 C 6098	-Brandskar Range, front	61° 16.0' N 17° 11.1' E	Oc.W. period 4s	36 11	13	Pedestal.	
10556 C 6098.1	--Rear, 914 meters 272° from front	61° 16.0' N 17° 10.0' E	Q.W.	72 22	13	Latticed tower, white square daymark.	
10560 C 6100	-Prastholmen	61° 16.3' N 17° 10.7' E	FI.W.R.G. period 3s	13 4	W. 7 R. 3 G. 2	Red building.	G. 266°6'-279°6', W. - 283°12', R. -324°42', G. - 133°30', W. -134°24', R. -143°12'. Flood light.
10564 C 6102	-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. -2°30'.
10568 C 6106	-Ullbacka Range, front	61° 17.7' N 17° 07.8' E	F.R.	43 13	6	Grey lattice metal tower, white triangle, point up daymark.	
10573 C 6106.2	--Rear, 315° from front	61° 18.0' N 17° 07.3' E	F.R.			Building, white triangle, point up daymark.	
10576 C 6108	-Grundvik Range, front	61° 17.9' N 17° 07.8' E	Q.G.	16 5		Green dolphin.	
10576.1 C 6108.1	--Rear, 327° from front	61° 18.3' N 17° 07.3' E	Iso.G. period 4s			Rectangular daymark red stripe.	
10592 C 6111	-Soderhamn Range, front	61° 18.7' N 17° 05.2' E	Q.G.	20 6	2	White post.	
10596 C 6111.1	--Rear, 180 meters 289° from front	61° 18.7' N 17° 05.0' E	Oc.G. period 4s	33 10	2	White post.	
10600 C 6086.2	Prastgrundet	61° 20.7' N 17° 20.0' E	FI.(4)W.R.G. period 12s	43 13	W. 7 R. 5 G. 4	White tower, black banded; 19.	R. 3°-77°, G. -91°, W. - 93°30', R. -135°, W. - 236°, R. -265°, G. -275°, W. -323°, R. -341°30', G. 140°-3°. Partially obscured 140°- 165°.
10604 C 6083	Vitgrund (Hvitgrund), N. side	61° 23.4' N 17° 11.8' E	FI.W. period 3s		4		Shown Apr. 15 to Oct. 15.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
10608 C 6084	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 C 6084.5	Rodkull	61° 22.8' N 17° 07.0' E	FI.R. period 3s	7 2	1		
10612 C 6079	Vatnasudde	61° 33.1' N 17° 13.3' E	F.W.	36 11		White lantern.	Occasional. Fishing light.
10616 C 6080	Fiske	61° 30.6' N 17° 12.5' E	FI.(3)W. period 9s				
10620 C 6081	Haganas (Kattskar)	61° 29.6' N 17° 09.4' E	F.W.	56 17		Column.	Occasional. Fishing light.
HUDIKSVALL APPROACH:							
10624 C 6060	-Ago	61° 32.6' N 17° 28.0' E	FI.W.R.G. period 5s fl. 1s, ec. 4s	102 31	W. 9 R. 6 G. 5	White tower, orange banded; 49.	G. 129°54'-141°24', W. -143°6', R. -162°, G. -197°54', W. -280°, R. -293°, W. -35°6', R. -77°6'. Partially obscured 048°-094°.
10628 C 6066	-Krako	61° 33.3' N 17° 19.0' E	FI.(2)W.R.G. period 6s	23 7	W. 6 R. 4 G. 3	White lantern.	G. 337°30'-350°, W. -7°30', R. -43°, G. 126°-166° ~, W. -169°, R. -174°54'.
10632 C 6062	-Krakskar	61° 34.1' N 17° 19.6' E	FI.(4)W.R.G. period 12s	49 15	W. 9 R. 6 G. 5	Orange tower; 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 C 6057	-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. -25°, G. -47°, W. -51°, R. -57°, G. -93° Reserve light.
10640 C 6057.4	--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.	G. 13°-70°, W. -77°, R. -94°30', G. -127°, R. -145° Fishing light. Occasional.
10652 C 6068	-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. 75°-82°30', W. -84°30', R. -103°, W. UNINTENSIFIED-247° G. -268°30', W. -273°, R. -283° The dredged channel to Iggesund is marked by lighted beacons.
10656 C 6069	-Gasfjarden Range, front	61° 37.2' N 17° 06.3' E	Q.W.	112 34		Latticed tower, red rectangular daymark, white stripe.	Visible on leading line only. Channel is marked by lights.
10660 C 6069.1	--Rear, about 498 meters 264°12' from front	61° 37.1' N 17° 05.2' E	Iso.W. period 4s	154 47		White latticed tower, red rectangular daymark, white stripes.	Visible in line of range (vorlo)
10664 C 6070	-Ljusgrund Range, front	61° 38.9' N 17° 16.0' E	Q.W.	16 5		Red cairn.	Visible in line of range (vorlo)
10668 C 6070.1	--Rear, 1,300 meters 192° from front	61° 38.2' N 17° 15.7' E	Iso.W. period 4s	26 8		Red triangle, point down daymark.	Visible in line of range (vorlo)
10672 C 6071	-Saltviksudde, W. entrance to Kudiksvallfjarden	61° 40.8' N 17° 14.8' E	L.FI.W.R.G. period 8s fl. 2s, ec. 6s	36 11	W. 13 R. 10 G. 9	White tower; 34.	G. UNINTENSIFIED140°-210°, R. UNINTENSIFIED-293°30', G. UNINTENSIFIED-310°, G. -322°, W. -324°, R. -328°.
10676 C 6072	-Gackero, SW. point, E. side of entrance	61° 40.6' N 17° 16.7' E	FI.(2)W.R.G. period 6s	13 4	W. 9 R. 7 G. 6	White lantern.	G. 332°-6°30', W. -9°30', R. -31°, G. -73°, W. -79°, R. -148°30', G. -152°, W. -154°, R. -158° 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-GULF OF BOTHNIA							
10680 C 6075	-Lusholmen Range, front	61° 41.3' N 17° 16.3' E	Q.W.	23 7	12	Post, white triangle, point up daymark, orange border.	
10684 C 6075.1	--Rear, 340 meters 116° from front	61° 41.2' N 17° 16.7' E	Iso.W. period 4s	49 15	12	Post, white triangle, point down daymark, orange border.	
10688 C 6076	-Lingaro Range, front	61° 42.4' N 17° 15.0' E	Iso.W. period 3s	36 11	8	Post, white triangle, point up daymark, orange border.	
10692 C 6076.1	--Rear, 120 meters 339° from front	61° 42.5' N 17° 15.0' E	Iso.W. period 3s	56 17	8	Post, white triangle, point down daymark, orange border.	
10696 C 6056	Balso, Gashallan	61° 43.3' N 17° 33.3' E	FI.(3)W.R.G. period 9s	36 11	W. 8 R. 5 G. 4	White tower; 16.	G. 174°-200°, W. -13°, R. - 16° Reserve light.
10700 C 6052	-Fishing harbor, W. side	61° 43.6' N 17° 31.0' E	FI.(3)R.G. period 10s	20 6	R. 2 G. 1	White pedestal.	G. 0°-7°, R. -75°, G. -177°, R. -200° Fishing light. Occasional.
10704 C 6048	Bergo, NE. point	61° 48.9' N 17° 25.1' E	FI.W. period 3s	13 4	5	White pedestal.	Fishing light. Shown Apr. 1 to Oct. 31.
10708 C 6043	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	Latticed tower.	W. UNINTENSIFIED 170°- 275°, G. -283°, W. - 292°30', R. -308°30', G. - 330°.
10720 C 6044.5	-Mellanfjardens Range, front	61° 57.0' N 17° 21.0' E	Iso.W. period 4s	20 6		Mast, white triangle, point up daymark.	Two F.G. lights in line 006° located at Mellanfjarden Fishing Harbor, close E. of range lights.
10724 C 6044.6	--Rear, 90 meters 329° from front	61° 57.6' N 17° 20.5' E	Iso.W. period 4s	30 9		Mast, white triangle, point down daymark.	Synchronized with front.
10732 C 6042	Gran	62° 00.8' N 17° 37.7' E	FI.W.R.G. period 5s fl. 1s, ec. 4s	98 30	W. 9 R. 7 G. 6	Latticed tower.	R. 22°-39°, G. -56°, W. - 59°30', R. -80°, G. - 125°30', W. -197°, R. - 234°, W. -22°.
10736 C 6040	Furuskar, S. side	62° 11.2' N 17° 32.3' E	FI.(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-45°.
10740 C 6041	Bramo Kalv	62° 10.9' N 17° 40.5' E	FI.(2)W.R.G. period 12s	39 12	W. 15 R. 12 G. 10	White tower; 30.	G. 270°-284°, W. -313°, R. - 351°30', G. -8°30', W. - 14°, R. -24°30', G. -68°, W. -71°, R. -85°, G. - 180°, W. -200°.
10744 C 6032	Bramo Cable Range, E. side, front	62° 12.4' N 17° 40.8' E	F.R.	36 11	7	Latticed tower, white triangle, point up daymark, red border.	Marks Cable.
10748 C 6032.1	-Rear, 70 meters 120° from front	62° 12.4' N 17° 40.9' E	F.R.	49 15	7	Latticed tower, white triangle, point down daymark.	
10752 C 6030	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 masonry tower, black banded; 53.	G. 123°-137°, R. -152°, W. - 340°, R. -22° Shown 24 hours Nov. 1 to Mar. 31.
10756 C 6034	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. -4°, R. -45° Shown 24 hours Nov. 1 to Mar. 31.
SUNDSVALL APPROACH:							
10760 C 6036	-Draghallan	62° 20.4' N 17° 26.4' E	Mo.(A)W.R.G. period 10s fl. 1s, ec. 1s fl. 3s, ec. 5s	39 12	W. 16 R. 13 G. 12	White tower, orange top; 46.	R. 52°36'-87°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-18°, G. -52°36' Shown 24 hours Nov. 1 to Mar. 31. Radar reflector.
10764 C 6036.4	-Sunsvall AVIATION LIGHT	62° 22.1' N 17° 19.1' E	V.Q.W.	147 6 450	21	Orange metal tower, orange top, white bands.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
			6F.R.(vert.)	66 20	6		
10766 C 6037	-Kubikenborg Range, front	62° 22.6' N 17° 22.0' E	F.R.	13 4	6	Post, white triangle, point up daymark, red border.	
10766.1 C 6037.1	--Rear, 60 meters 310° from front	62° 22.7' N 17° 22.0' E	F.R.	23 7	7	White triangle, point down daymark, red border.	
10768 C 6037.4	-Tjuvholmen, W. side	62° 23.1' N 17° 22.1' E	Q.W.R.G.	10 3	W. 9 R. 7 G. 5	White lantern.	G. 320°30'-325°30', W. - 331°, R. -35°, 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.	20 6	5	Post, red triangle, point up daymark.	
10776 C 6037.61	--Rear, 65 meters 020° from front	62° 23.9' N 17° 21.5' E	F.R.	33 10	5	Post, red triangle, point down daymark.	
10778 C 6039	-Alno Bridge	62° 26.0' N 17° 23.9' E	Oc.W. period 4s				Flood Light. Bridge marked by F.Y. lights. Numerous 2 F.R. range lights mark cables in Alno Sundet.
	RACON		HS(•••• •••)		4		(3 & 10 cm).
10780 C 6028	Gistaholmen	62° 29.4' N 17° 24.3' E	FI.W.R.G. period 3s fl. 0.7s, ec. 2.3s	33 10	W. 6 R. 4 G. 3	Latticed tower.	G. 54°-69°, W. -77°, R. -84°, 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; 26.	G. 121°48'-139°42', W. - 270°6', 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	FI.(2)W.R.G. period 6s	33 10	W. 5 R. 4 G. 3	Latticed tower.	G. 330°-343°, W. -357°, R. - 15°, R. UNINTENSIFIED-90°, 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	FI.W.R.G. period 3s	43 13	W. 7 R. 5 G. 4	Black tower; 39.	G. 150°-180°, W. -232°, R. - 252°, G. -270°, W. -347°, R. -15°.
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. 281°-296°36', W. - 306°36', R. -0°. Flood light.
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; 33.	R. 21°-78°, G. -83°, W. -85°, 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. -21°. Flood light.
10804 C 6020	Astholmsudde	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. -51°, R. -59°, G. -70°, W. -72°30', R. -80°, 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	FI.W.R.G. period 7.5s	43 13	W. 4 R. 1 G. 2	White building, red banded.	W. 100°-180°, G. -228°, W. - 280°, R. -315°.
10808 C 6016	Skarpudden	62° 28.8' N 17° 49.2' E	L.FI.W.R.G. period 12s fl. 2s, ec. 10s	46 14	W. 6 R. 4 G. 3	White lantern.	G. 230°-237°, W. -273°, R. - 288°, W. -18°, R. -50°, G. -67°, W. -105°, R. -145°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
10810 C 6015	Vanta Litetsgrund	62° 29.5' N 18° 17.0' E	Fl.W. period 3s	62 19	9	Black tower; 66.	
10812 C 6014	Storholmen, SW. point of Harnon	62° 33.3' N 17° 55.8' E	Fl.(2)W.R. period 6s	30 9	W. 6 R. 4	White lantern.	W. 322°54'-13°48', R. - 67°42', W. -187°6'.
10820 C 6012	Harnoklubb	62° 36.0' N 18° 03.4' E	Fl.(4)W.G. period 12s		W. 10 G. 9		G. 190°-210°, W. -40°.
10824 C 6011	Harno Sodra	62° 36.5' N 18° 03.8' E	Q.W.	43 13	6	White pedestal.	Visible 180°6'-51°54'.
10828 C 6008	Harnosand Hamn	62° 38.7' N 17° 57.3' E	Q.W.R.G.	23 7	W. 9 R. 7 G. 5	Red tower, white banded; 21.	G. 25°30'-141°30', W. - 157°54', R. -198°, G. - 230°24', W. -264°6', R. - 275°.
ANGERMANALVEN:							
10832 C 5988	-Stromskaten	62° 39.5' N 18° 00.2' E	Fl.(2)W.R.G. period 6s	39 12	W. 12	Orange lantern, white base.	G. 290°-313°24', W. - 323°30', R. -62°42', G. - 154°48', W. -174°, - 210°. Flood light.
10834 C 5988.5	--SE. point	62° 38.5' N 18° 05.4' E	Oc.W. period 6s	95 29	9	White tower; 95.	Visible 213°-115° Shown May to Oct.
10836 C 5990	-Valo, NE. point	62° 44.3' N 17° 59.3' E	Fl.W.R.G. period 3s	36 11	W. 6 R. 4 G. 3	White tower; 36.	G. 138°-157°30', W. -358°, R. -138°.
10840 C 5992	-Abordso, W. side	62° 47.1' N 17° 56.8' E	Fl.(2)W.G. period 6s	39 12	W. 9 G. 5	White tower; 36.	W. 143°30'-66°, G. -143°30'. Flood light.
10844 C 5994	-Hornoholmen	62° 48.8' N 17° 54.8' E	Fl.(2)W. period 6s	36 11	5	Metal framework tower, orange square daymark.	Radar reflector.
10848 C 5998	-Sprangsviken, W. side of channel	62° 51.8' N 17° 53.7' E	Fl.W. period 3s	36 11	9	Metal framework tower, orange square daymark.	Flood light. Radar reflector.
10850 C 6000.6	-Svano Sodra	62° 53.4' N 17° 52.2' E	Q.W.R.G.	49 15	W. 7 R. 4 G. 4	Latticed tower, red rectangular daymark, white stripe.	G. 320°6'-328°6', W. - 331°36', R. -345°42', W. UNINTENSIFIED-100°.
10850.5 C 6	-Sandobron	62° 53.1' N 17° 53.1' E	Oc.W.	82 25	2	Bridge, center of span.	On both sides of bridge.
			2Oc.R.G. period 4s				On both sides of bridge.
			2Oc.G.(vert.)				Mark starboard side of channel.
	RACON		HS(•••••)		2		(3 & 10 cm).
10851 C 6001	Svanon Isle, E. side	62° 54.1' N 17° 51.9' E	Iso.W.R.G. period 4s	20 6	W. 9 R. 6 G. 5	Metal framework tower.	W. 5°30'-86°, R. -147°, G. - 160°18', W. -169°, R. - 190°, G. -5°30'.
10852	-Kapellbommen	62° 56.0' N 17° 47.8' E	Q.R.	7 2		Float.	Radar reflector: painted red and yellow. Shown from Jul. 20 to May 2.
10856 C 6004	-Litano, E. side of channel	62° 58.0' N 17° 47.8' E	Fl.(2)W.R.G. period 6s	13 4	W. 7 R. 5 G. 4	White lantern.	G. 312°-320°30', W. - 329°30', R. -355°, W. UNINTENSIFIED-85°, G. -111°30', W. -116°30', R. -131°, G. -164°.
10868 C 5982	Karingsbergsudden	62° 47.4' N 18° 11.1' E	Fl.(2)W.R.G. period 6s	30 9	W. 8 R. 5 G. 4	Orange lantern.	G. 249°48'-253°30', W. - 278°12', R. -7°42', G. - 48°18', W. -52°30', R. - 61°54'.
10872 C 5983.4	Valsudde	62° 46.1' N 18° 06.6' E	Q.W.	46 14	5	Metal framework tower, orange square daymark.	Radar reflector.
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°6'.
			F.R.	600 183			

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
10878 C 5993.3	Hogakustenbron Bridge	62° 47.9' N 17° 56.3' E	2F.W.			Bridge, 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	FI.R. period 3s	131 40	3	Bridge.	
10878.2 C 5993.5	-NE. side	62° 48.2' N 17° 56.7' E	FI.G. period 3s	131 40	3	Bridge.	
10880 C 5993	Veda	62° 47.6' N 17° 55.9' E	FI.W.R.G. period 3s	39 12	W. 9 R. 7 G. 5	Pylon.	R. 129°6' -135°42', G. - 142°42', W. -147°42', R. -153°30', G. -258°42', W. -279°6', R. -303°54', G. - 328°, W. -333°6', R. - 347°54'.
			F.R.	600 183			
10882	-Hogaskusten RACON	62° 47.7' N 17° 56.0' E	M(- -)		20		(3 & 10 cm).
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	Metal framework tower, orange square daymark.	G. 135°-172°, W. -187°, R. - 210°, G. -225°, R. -0° Reserve light. Flood light.
10888 C 5989	Sannasundet	62° 42.1' N 17° 59.3' E	Q.W.R.G.	33 10	W. 9 R. 7 G. 5	Metal framework tower, orange square daymark facing south and white square daymark facing north.	G. 130°-183°30', W. - 356°30', R. -130° Reserve light. Flood light. Radar reflector.
10890 C 5980	Hogbonden	62° 52.0' N 18° 28.7' E	FI.(4)W. period 12s	246 75	15	White tower; 46.	Visible 190°-70° Shown Nov. 1 to Mar. 31.
10891 C 5979.6	Algsjo	62° 53.3' N 18° 27.6' E	FI.W. period 3s		5		
10892 C 5978	Ytternasan	62° 57.8' N 18° 33.4' E	Iso.W.R.G. period 4s	43 13	W. 13 R. 10 G. 9	White tower, black banded; 26.	G. 140°-192°42', W. -210°6', R. -237°, G. -266°54', W. -288°, R. -307°36', G. - 341°6', W. -5°, R. -65° 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.	R. 24°-92°, G. -140°54', W. - 171°48', R. -207°54', G. - 234°54', W. -24°.
10900 C 5976	Flasan, E. entrance to Ulvohamn	63° 01.0' N 18° 41.3' E	FI.(3)W.R.G. period 9s	43 13	W. 8 R. 6 G. 5	White concrete tower, black banded; 21.	G. 174°6' -191°12', W. - 192°30', R. -202°, G. - 213°18', W. -337°54', R. -347°54', G. -357°48', W. -8°30', R. -50°, R. UNINTENSIFIED-99°6', W. UNINTENSIFIED- 174°6'.
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.	39 12	3	Post.	
10912 C 5975	Askaret	63° 01.5' N 18° 40.5' E	FI.(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 building.	G. 45°-59°30', W. -60°36', R. -188°6', G. -203°42', R. - 221°54', G. -235°36', W. -238°42', R. -243°36', G. -264°36', W. -308°42', R. -330°.
10913 C 5977.2	Ulvosundet, N. side	63° 00.9' N 18° 38.1' E	FI.W.R.G. period 3s	10 3	W. 6 R. 4 G. 3	Pedestal.	G. 237°54' -250°48', W. - 255°6', R. -321°54', G. - 357°42', W. -3°42', R. - 18°54'.
10914 C 5977.3	-E. side	63° 00.8' N 18° 38.2' E	Iso.W.R.G. period 4s	10 3	W. 4 R. 3 G. 2	Pedestal, white lantern.	R. 5°48' -29°18', G. -49°54', W. -215°12', R. -243°.
10915 C 5977.4	-S. side	63° 00.6' N 18° 37.8' E	Q.W.R.G.	20 6	W. 4 R. 2 G. 2	Orange pedestal, lantern.	G. 51°30' -64°, W. -73°6', R. - 225°42', G. -241°18'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
10916 C 5974	Rone Flase	63° 04.4' N 18° 38.4' E	FI.W.R.G. period 3s	43 13	W. 9 R. 7 G. 5	White tower, red banded; 41.	R. 176°-186°, G. -213°, W. -217°, R. -239°, G. -242°30', W. -248°, R. -276°30', G. -16°, W. -22°30', R. -38°.
10920 C 5973	Trysundaon	63° 08.4' N 18° 45.4' E	L.FI.W.R.G. period 8s fl. 2s, ec. 6s	30 9	W. 7 R. 5 G. 4	Green tower; 24.	G. 0°-16°, W. -36°, R. -57°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	5	White triangle, point up daymark, 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.		5	White triangle, point down daymark, red border.	
10928 C 5952	Skagsudde	63° 11.3' N 19° 01.0' E	FI.(4)W. period 12s	128 39	14	White tower, red banded; 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		G. 186°-291°, W. -117°, R. -186°. Radar reflector.
	RACON		M(- -)		10		(3 & 10 cm).
10936 C 5951	Skags Flasor	63° 12.4' N 19° 05.2' E	FI.(3)W.R.G. period 9s	30 9	W. 8 R. 6 G. 5	White lantern, red banded; 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. -35°, G. -110°.
	ORNSKOLDSVIK APPROACH:						
10960 C 5960	-Raskarson	63° 11.8' N 18° 54.5' E	L.FI.W.R.G. period 8s fl. 2s, ec. 6s	79 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. -0° Shown Nov. 1 to Mar. 31.
10964 C 5962	-Skommarskatan	63° 12.2' N 18° 53.0' E	FI.W.R.G. period 3s	20 6	W. 10 R. 3 G. 2	White tower, red banded; 20.	G. 190°-204°6', W. -208°12', R. -278°, G. -289°30', R. -322°, G. -45°, W. -48°24', R. -52°.
10970 C 5967	-Alfredshem N. Range, front	63° 15.9' N 18° 42.8' E	F.G.	7 2		Green chevron, point up daymark on white triangle, point up, green border daymark.	
10970.1 C 5967.1	--Rear, 150 meters 247°18' from front	63° 15.8' N 18° 42.6' E	F.G.	20 6		Green chevron, point down daymark on white triangle, point down, green border daymark.	
10971 C 5967.3	-Alfredshem S. Range, front	63° 15.8' N 18° 42.8' E	F.R.	7 2		Red chevron, point up daymark on white triangle, point up, red border daymark.	
10971.1 C 5967.31	--Rear, 150 meters 247°36' from front	63° 15.8' N 18° 42.7' E	F.R.	20 6		Red chevron, point down daymark on white triangle, point down, red border daymark.	
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 banded; 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	F.R.	30 9	10	Mast, white triangle, point up daymark, 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	F.R.	49 15	10	Mast, white triangle, point down daymark, red border.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
10992 C 5944	Blagrundet	63° 27.0' N 19° 26.0' E	FI.W.R.G. period 6s	16 5	W. 6 R. 4 G. 3	Metal framework tower.	G. 25°-31°, W. -35°, R. -39°.
10996 C 5928	Storbadan, SE. side	63° 24.5' N 19° 35.4' E	FI.(3)W.R.G. period 12s	56 17	W. 4 R. 7 G. 5	White tower, black banded; 52.	W. UNINTENSIFIED178°- 222°6', 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. -38°30', R. - 59°, G. -65°.
11000 C 5925.4	Villinsgrundet	63° 19.0' N 19° 25.2' E	L.FI.W. period 12s fl. 3s, ec. 9s	62 19	8	Red tower, gray base; 66.	
11004 C 5925	Norra Langrogrundet	63° 19.3' N 19° 40.7' E	FI.(2)W.R.G. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	59 18	W. 8 R. 6 G. 5		G. 21°-66°, W. -185°, R. - 206°, G. -227°, W. -233°, R. -271°, G. -281°, W. - 350°, R. -21°.
	RACON		O(---)		15		(3 & 10 cm).
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 banded; 23.	G. 340°-355°30', W. -358°, R. -2°30', G. -20°, R. - 131°, G. -165°.
	JARNAS HAMN:						
11024 C 5936	-Jarnas Sando, on Sando	63° 27.9' N 19° 36.9' E	FI.(2)W.R.G. period 3s	23 7	W. 10 R. 9 G. 9	White lantern, red banded.	G. 345°-359°, W. -2°, R. - 112°, G. -151°, W. - 152°30', R. -170°. Emergency.
11044 C 5923	Sydostbrotten, on Vernersgrund	63° 20.2' N 20° 10.4' E	FI.(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		
			Q.W.		3		One on each corner of tower.
	RACON		B(-...)		17		(3 & 10 cm).
11048 C 5926	Tjaruskarsund 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 (rhombus) daymark.	Fishing light.
11056 C 5920	Bonden	63° 26.0' N 20° 02.3' E	FI.W. period 6s	115 35	13	White round concrete tower, black banded; 66.	
	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; 20.	G. 1°-4°, W. -6°, R. -18°, G. - 26°, W. -32°, R. -50°, G. - UNINTENSIFIED97°- 106°, G. - UNINTENSIFIED-207°, W. - UNINTENSIFIED172°- 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 latticed tower.	Shown Sep. 15 to close of navigation.
11124 C 5902	Norrmjole	63° 39.3' N 20° 07.5' E	F.W.R.G.	10 3	W. 3 R. 2 G. 1	Latticed tower.	G. 310°-22°, W. -28°, R. -40° Fishing light.
	UMEA APPROACH:						
11132 C 5880	-Gunvorsgrund	63° 29.3' N 20° 26.6' E	FI.(3)W.R.G. period 9s	72 22	W. 9 R. 6 G. 5		R. 36°-64°, G. -75°, W. -83°, R. -171°, G. -186°, W. - 36°.
	RACON		G(---)		16		(3 & 10 cm).
11136 C 5882	-Storbrannihgen	63° 38.3' N 20° 22.0' E	FI.(3)W.R.G. period 9s	33 10	W. 7 R. 5 G. 4	Red tower, gray base; 26.	G. 70°-144°, W. -146°, R. - 205°, G. -301°, R. -70°. Radar reflector.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
11140 C 5881	-Vaktaren	63° 36.9' N 20° 25.2' E	L.FI.(2)W.R.G. period 15s fl. 2s, ec. 3s fl. 2s, ec. 8s	66 20	W. 9 R. 7 G. 6	Orange tower, black base; 69.	W. 76°54'-80°, 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. -76°54'.
			4Q.Y.	33 10	2		
	RACON		K(- · -)		5		(3 & 10 cm).
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 in line of range (vorlo) In line 268° with center light.
11148 C 5879	--Center, Ostra	63° 39.4' N 20° 23.8' E	Iso.W. period 4s	30 9	12	Wooden framework tower.	Visible in line of range (vorlo)
11152 C 5879.1	--Front, Vastra, 110 meters from center light	63° 39.4' N 20° 23.7' E	Q.W.	16 5	7	Wooden framework tower.	Visible in line of range (vorlo) In line 112°30' with center light.
11156 C 5887	-Lillbaden	63° 38.9' N 20° 20.5' E	FI.W.R.G. period 3s	20 6	W. 6 R. 4 G. 3	White building.	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	FI.(2)W.R.G. period 3s	49 15	W. 9 R. 7 G. 6	White tower, green banded, gray base; 36.	G. 14°-152°, W. -159°, R. - 264°, G. -319°, W. - 322°30', R. -14°.
11164 C 5884	-Bredskarssund on Obbola, front	63° 39.7' N 20° 18.8' E	Q.W.	23 7	13	White round tower; 23.	Visible INTENSIFIED220°- 310° 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 glass reinforced plastic(grp) fiberglass tower.	INTENSIFIED on range line. Intensified on range line.
11172 C 5886	-Bredskar Range, front	63° 39.7' N 20° 19.7' E	Q.W.	16 5	6	Latticed tower, white square daymark.	Shown 24 hours Nov. 1 to Mar. 31.
11176 C 5886.1	--Rear, 145 meters 318° from front	63° 39.8' N 20° 19.5' E	Iso.W. period 2s	43 13	6	Latticed tower, black banded, white lantern, white square daymark.	Shown 24 hours Nov. 1 to Mar. 31.
11178 C 5887.8	-Dyanan Shoal	63° 39.4' N 20° 19.9' E	Mo.(A)W.R.G. period 10s		W. 8 R. 6 G. 4	White round tower, red top, gallery.	G. 170°30'-175°54', W. - 178°, R. -184°18', G. - 186°12'.
11180 C 5888	-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 18	W. 18 R. 6 G. 5	White tower, red banded; 69.	G. 307°-329°30', W. -333°, R. -342° G. UNINTENSIFIED8°-18°, G. UNINTENSIFIED91°- 110°, R. UNINTENSIFIED-120° Shown 24 hours from Nov. 1 to Mar. 31. Flood light.
11184 C 5889	-Hillskar Range, front	63° 40.8' N 20° 20.5' E	Iso.R. period 3s	33 10	10	Tower, white triangle, point up daymark, red border.	Visible in line of range (vorlo)
11188 C 5889.1	--Rear, 301 meters 335° from front	63° 40.9' N 20° 20.3' E	Iso.R. period 3s	49 15	10	Tower, white triangle, point down daymark, red border.	Synchronized with front.
11192 C 5890.6	--Eastern Approach Range, front	63° 41.4' N 20° 20.7' E	F.G.		4	Mast, white rectangular daymark, green stripes; 89.	
11196 C 5890.61	--Rear, 306 meters 344°42' from front	63° 41.5' N 20° 20.6' E	F.G.		4	Mast, white rectangular daymark, green stripes; 105.	
11208 C 5895	-Patholmsviken	63° 41.6' N 20° 21.4' E	Q.W.R.G.	16 5	W. 5 R. 3 G. 2	Post, red triangle, point up daymark.	G. 270°-340°, R. -349°, G. - 17°, W. -22°, R. -85° Fishing light. Daymark in line 020° 470 yards from light.
11212 C 5894	-Umea Uthamn Range, front	63° 42.1' N 20° 20.9' E	F.R.	62 19	8	White mast, orange triangle, point up daymark.	
11216 C 5894.1	--Rear, 45 meters 034°48' from front	63° 42.1' N 20° 20.9' E	F.R.	82 25	8	Structure, orange triangle, point down daymark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
11220 C 5897	-Obbola Kablar Range, front	63° 42.3' N 20° 19.7' E	F.R.	26 8	3	Post, white rectangular daymark, red stripe.	
11224 C 5897.1	--Rear, 268° from front	63° 42.3' N 20° 19.5' E	F.R.	72 22	3	Post, white rectangular daymark, red stripe.	
11228 C 5891.5	-Bredviken	63° 41.1' N 20° 18.3' E	Q.W.R.G.	13 4	W. 5 R. 3 G. 2	Post.	G. 205°-248°, W. -271°, R. - 287°, G. -296°, W. -304°, R. -320°, G. -337°, R. -0°. Occasional.
11232 C 5898	-Tuvan Range, front	63° 44.8' N 20° 19.1' E	F.R.	13 4	12	Column, white triangle, point up daymark, black stripe.	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 O.
11236 C 5898.1	--Rear, 125 meters 347° from front	63° 44.9' N 20° 19.1' E	F.R.	23 7	12	Column, white triangle, point down daymark, black stripe.	Shown Jul. 20 to close of navigation season. Occasional.
11248 C 5874	Nordvalen	63° 32.2' N 20° 46.3' E	Iso.W.R.G. period 8s	79 24	W. 17 R. 17 G. 16	Black concrete tower, orange banded, gray base, orange lantern; 85.	W. 35°6'-39°36', R. -51°, G. - 126°, G. UNINTENSIFIED-139°, R. UNINTENSIFIED- 152°, R. -230°42', G. - 246°54', W. -261°36', R. -284°36', G. -342°, G. UNINTENSIFIED338°- 7°-99', G. 7°-99'-35°6' Shown 24 hours Nov. 1 to Mar. 31. Flood light. Helicopter Platform.
	RACON		N(- ·)		15		(3 & 10 cm).
11252	Jagaroren RACON	63° 40.8' N 20° 55.5' E	OE(- - - ·) period 30s		15		
11268 C 5860	Byviken	63° 48.3' N 20° 52.1' E	Q.W.R.G.	26 8	W. 8 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 C 5864	Bergudden	63° 47.5' N 20° 50.2' E	Iso.W.R.G. period 6s	59 18	W. 18 R. 15 G. 13	Brown wooden tower, white banded, on sw. side, 56.	G. 10°-28°, W. -38°, R. - 51°30', G. -197°, W. - 206°, R. -230° Shown 24 hours Nov. 1 to Mar. 31. Emergency.
11276 C 5862	Holmo Cable Range, front	63° 48.0' N 20° 52.0' E	F.R.	33 10	7	Post, white triangle, point up daymark, red border.	
11280 C 5862.1	-Rear, 240 meters 120° from front	63° 48.2' N 20° 52.2' E	F.R.	52 16	7	Post, white triangle, point down daymark, red border.	
11282 C 5866	Oston Range, front	63° 49.4' N 20° 42.3' E	F.W.	7 2	4	Post, white triangle, point up daymark.	Shown during navigation season only.
11282.5 C 5866.1	-Rear, 30 meters 279° from front	63° 49.4' N 20° 42.3' E	F.W.	10 3	4	Post, white triangle, point down daymark.	Shown during sailing season only.
11284 C 5854	Norrjarden Outer Range, front	63° 51.5' N 20° 44.1' E	Q.R.	30 9	13	Post, yellow triangle, point up daymark, red border.	
11288 C 5854.1	-Rear, 175 meters 284° from front	63° 51.5' N 20° 44.4' E	Fl.R. period 2s	46 14	13	Post, yellow triangle, point down daymark, red border.	
11292 C 5855	Norrjarden Inner Range, front	63° 51.8' N 20° 43.8' E	Q.G.	20 6	13	Post, white triangle, point up daymark, black border.	
11296 C 5855.1	-Rear, 55 meters 309° from front	63° 51.8' N 20° 43.8' E	Iso.G. period 4s	30 9	13	Post, white triangle, point down daymark, black border.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
11300 C 5848	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	85 26	W. 17 R. 14 G. 12	White tower, on white gable of building; 26.	R. 174°-215°, G. -237°, W. - 256°, R. -270°, G. -280°, W. -332°, R. -6°, G. - 11°30', R. -17° Shown Jul. 1 to Jun. 10. Shown 24 hours Nov. 1 to Mar. 31.
11304 C 5852	Ratan Sodra, W. side of channel	63° 59.2' N 20° 53.7' E	FI.W.R.G. period 3s	30 9	W. 9 R. 7 G. 5	White lantern.	G. UNINTENSIFIED125°- 157°, W. UNINTENSIFIED-167°, R. UNINTENSIFIED- 313°, R. 313°54', 320°54', G. -339°42', W. -342°42', R. -357°48'.
11308 C 5847	Rata Storgrund	63° 59.2' N 21° 06.8' E	FI.(2)W. period 6s	52 16	8		Radar reflector.
11312 C 5844	Sikea, W. side of entrance	64° 08.3' N 20° 59.1' E	FI.W.R.G. period 3s	20 6	W. 2 R. 4 G. 3	White lantern, red banded.	W. UNINTENSIFIED179°- 269°, G. -290°, W. - 304°30', R. -358°.
11316 C 5846	-Hamn Range, front	64° 10.0' N 20° 59.0' E	F.R.	26 8	4	Post, white triangle, point up daymark.	
11320 C 5846.1	-Rear, 420 meters 336° from front	64° 09.5' N 20° 58.4' E	F.R.	49 15	4	Mast, white triangle, point down daymark.	
11324 C 5840	Yttre Vannskar	64° 09.7' N 21° 07.8' E	FI.(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. - 4°6', G. -15°, W. -22°, R. - 40°, R. UNINTENSIFIED- 49°54', W. UNINTENSIFIED-84°6'.
11328 C 5833	Kallviksklubben	64° 18.0' N 21° 22.6' E	Q.W.R.G.	30 9	W. 6 R. 4 G. 3	White lantern.	G. 177°42'-243°6', W. -284°, R. -298°, G. -309°, W. - 0°, R. -61°48', G. -66°48' Fishing light.
11332 C 5836	Krakangersfjarden Range, front	64° 18.2' N 21° 14.8' E	F.R.	33 10	5	Mast.	Visible in line of range (vorlo)
11336 C 5836.1	-Rear, 220 meters 341° from front	64° 18.2' N 21° 14.9' E	F.R.	59 18	5	Mast.	Visible in line of range (vorlo)
11340 C 5834	Munkvik	64° 19.0' N 21° 21.0' E	F.W.R.G.	20 6	W. 3 R. 2 G. 1	Red latticed tower.	G. 255°-277°, W. -295°, R. - 326°, G. 333°-341°, W. - 345°, R. -0° Fishing light. Shown on request. Occasional.
11344 C 5833.3	Kallviken Range, front	64° 19.9' N 21° 22.2' E	F.R.	20 6	5	Mast, white triangle, point up daymark.	Shown Jul. 20 to Dec. 31.
11348 C 5833.31	-Rear, 110 meters 344° from front	64° 19.8' N 21° 22.5' E	F.R.	33 10	5	Mast, white triangle, point down daymark.	Shown Jul. 20 to Dec. 31.
11356 C 5826	Bjuroklubb	64° 28.8' N 21° 34.5' E	Oc.W. period 10s	164 50	18	Yellow masonry tower; 23.	Shown Jul. 1 to Jun. 10. Shown 24 hours Nov. 1 to Mar. 31.
11360 C 5828	-NE	64° 28.9' N 21° 34.8' E	FI.(3)W.R.G. period 6s	39 12	W. 10 R. 8 G. 6	White lantern.	G. 167°-185°, W. -224°6', R. - 285°12', G. -315°54', W. - 323°6', R. -340°.
11364 C 5824	Burea Hamn Range, front	64° 37.0' N 21° 15.0' E	F.R.	26 8	8	White triangle, point up daymark, black border.	Visible in line of range (vorlo) Shown from Jul. 20 to close of navigation. Occasional.
11368 C 5824.1	-Rear, 660 meters 275°30' from front	64° 37.1' N 21° 13.5' E	F.R.	52 16	8	White triangle, point down daymark, black border.	Visible in line of range (vorlo) Shown Jul. 20 to close of navigation. Occasional.

SKELLEFTEA
APPROACH:

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
11380 C 5811.8	-Sor--Olsgrundet	64° 38.7' N 21° 16.3' E	FI.W.R.G. period 5s	46 14	W. 7 R. 6 G. 5	Lattice tower; 46.	R. 199°-244°, G. -260°, W. -270°30', R. -300°, G. -310°6', W. -199°.
	RACON		M(- -)		12		(3 & 10 cm).
11384 C 5810	-Gasoren	64° 39.8' N 21° 19.0' E	L.FI.(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 banded; 43.	G. 215°30'-276°30', W. -285°30', R. -301°30', G. -314°30', W. -315°30', R. -329°, G. -348°, R. -66°, G. -114°, W. -122°, R. -215°30'. Emergency.
11384.2 C 5810.5	--Gamla Gasoren	64° 39.8' N 21° 19.1' E	Oc.W. period 10s	36 11	5	Tower.	Visible 135°-235°.
11388 C 5813	-Kopparudden	64° 39.7' N 21° 16.8' E	FI.W.R.G. period 3s	39 12	W. 9 R. 7 G. 6	Orange tower; 20.	G. 226°36'-238°54', R. -280°, G. -303°18', W. -310°12', R. -61°, G. -95°54'. Flood light.
11392 C 5816.4	-Nasgrundet	64° 40.0' N 21° 18.0' E	Q.W.	13 4	5	White cairn.	Radar reflector.
11396 C 5816.9	-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 triangle, point up daymark, red border.	Synchronized with 114.
11400 C 5817	--Common rear	64° 41.0' N 21° 18.0' E	Iso.W. period 3s	36 11	13	Mast, white triangle, point down daymark, red border.	
11404 C 5817.1	--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 triangle, point up daymark, red border.	Synchronized with 11400.
11408 C 5816	--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	Latticed tower, white triangle, point up daymark.	G. 320°30'-330°, R. -21°, G. -81°, W. UNINTENSIFIED-86°30', R. UNINTENSIFIED-92°.
11412 C 5816.1	--Middle, 150 meters 329°54' from front	64° 41.0' N 21° 16.4' E	Oc.W. period 8s	59 18	14	Mast, white triangle, point down daymark; 49.	Visible in line of range (vorlo)
11416 C 5816.2	--Rear, 295 meters 329°54' from middle	64° 41.1' N 21° 16.2' E	Oc.W. period 8s	92 28	14	Mast, white triangle, point down daymark; 39.	Synchronized with 11412.
11420 C 5817.4	--Pilot Harbor, on pier head	64° 41.0' N 21° 17.0' E	F.R.	13 4	6	Post.	
11424 C 5818.4	-Railway embankment, W. of quay	64° 41.0' N 21° 15.0' E	L.FI.W.R.G. period 6s	16 5	W. 9 R. 7 G. 6	White pedestal.	G. 285°-288°, W. -291°, R. -299°.
11436 C 5814.9	-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 latticed tower, white triangle, point up daymark, red border.	
11440 C 5815	--Common Rear	64° 40.8' N 21° 11.5' E	Oc.W. period 4s	79 24	13	White latticed tower, white triangle, point down daymark, red border.	
11444 C 5815.1	-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 latticed tower, white triangle, point up daymark, red border.	
11456 C 5809	Kagnashallan	64° 45.0' N 21° 18.2' E	Q.W.R.G.	33 10	W. 5 R. 4 G. 3	Pedestal.	G. 140°-182°, W. -193°, R. -236°, G. -259°, R. -311°, G. -336°, W. -340°, R. -346°. Radar reflector.
11460 C 5805	Bergskaret, in entrance to Kagefjarden	64° 48.6' N 21° 07.1' E	FI.W.R.G. period 3s	36 11	W. 8 R. 5 G. 4	Red tower; 23.	R. 80°-117°, G. -120°30', W. -122°30', R. -130°, G. -168°, R. -270°, G. -282°, W. -291°, R. -355°.
11464 C 5806	Kage-Prickgrund	64° 49.0' N 21° 06.0' E	V.Q.W.	16 5	4	White metal tower.	
11476 C 5789	Nygran	65° 01.0' N 21° 41.4' E	L.FI.W. period 8s fl. 2s, ec. 6s	62 19	9		Shown Jul. 10 to Jun. 1.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
	RACON		G(--+)		15		(3 & 10 cm).
PITEA APPROACH:							
11488 C 5790	-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 banded; 30.	G. 120°-159°42', W. -165°, R. -187°54', G. -328°, W. -346°, R. -351°54', G. - 359°6', W. -0°30', R. - 9°54', G. -56°48', W. - 67°42', R. -79°54'.
11492 C 5790.82	-Medgrundet Range, front	65° 12.5' N 21° 40.4' E	Fl.W. period 2s	23 7	8	Post, red triangle, point up daymark.	
11496 C 5790.83	--Rear, 131 meters 145° from front	65° 12.4' N 21° 40.5' E	Q.W.	33 10	8	Post, red triangle, point down daymark.	
11500 C 5788	-Lilhorun 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 triangle, point up daymark.	G. 40°-86°36', W. -91°36', R. -102°24', G. -135°48', W. 159°42'-293°30', R. - 301°36'.
11504 C 5788.1	--Rear, about 1,850 meters 237° from front	65° 09.0' N 21° 39.5' E	Q.W.R.G.	49 15	W. 5 R. 3 G. 2	Metal framework tower, white triangle, point down daymark.	G. 10°-128°6', R. -215°, G. - 223°18', W. -256°18', R. -264°54', Partially obscured -270°6'.
11508 C 5790.4	-Hamviken Range, front	65° 10.6' N 21° 34.1' E	Iso.W. period 4s	59 18	16	Tower, white triangle, point up daymark, black border.	Visible in line of range (vorlo)
11512 C 5790.41	--Rear, 865 meters 226°30' from front	65° 10.2' N 21° 33.3' E	Iso.W. period 4s	89 27	16	Tower, white triangle, point down daymark, black border.	Visible on range line only.
11516 C 5790.8	-Storsten Sudden Range, front	65° 13.3' N 21° 39.8' E	Q.W.	26 8	9	Post, white triangle, point up daymark, red border.	
11520 C 5790.81	--Rear, 127 meters 022° from front	65° 13.3' N 21° 39.8' E	Q.W.	43 13	9	Post, white triangle, point down daymark, red border.	Synchronized with front.
11524 C 5790.89	-Haraholmen Range, front	65° 14.4' N 21° 37.5' E	Oc.W. period 4s				
11528 C 5790.9	--Rear, 306 meters 044°18' from front	65° 14.5' N 21° 37.7' E	Oc.W. period 4s				
11536 C 5790.86	-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 triangle, point up daymark, red border.	G. 310°-318°36', W. - 320°18', R. -345°6', G. - 355°, R. -10°.
11540 C 5790.87	--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 triangle, point down daymark, red border.	Synchronized with front.
11544 C 5790.5	-Bondon Range, front	65° 13.0' N 21° 40.1' E	Iso.W. period 4s	59 18	7	Tower, white triangle, point up daymark, black border.	Visible in line of range (vorlo)
11548 C 5790.51	--Rear, 725 meters 046°30' from front	65° 13.3' N 21° 40.7' E	Iso.W. period 4s	82 25	6	Tower, white triangle, point down daymark, black border.	Synchronized with front.
11552 C 5790.6	-Bondofjarden Range, front	65° 14.5' N 21° 34.2' E	Iso.W. period 3s	26 8	9	Tower, white triangle, point up daymark, black border.	
11556 C 5790.61	--Rear, 1,052 meters 320° from front	65° 14.9' N 21° 33.3' E	Iso.W. period 3s	59 18	9	Tower, white triangle, point down daymark, black border.	Synchronized with front.
11558 C 5791	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, gray base; 36.	W. 161°6'-167°, R. -280°36', G. -335°6', W. -340°12', R. -348°42', G. -161°6', Shown Jul. 10 to Jun. 1.
11564 C 5792.4	-Hogsbole Range, front	65° 13.6' N 21° 31.8' E	F.W.	20 6	8	Post.	Visible in line of range (vorlo)

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
11568 C 5792.41	--Rear, 400 meters 140° from front	65° 13.4' N 21° 32.1' E	F.W.	30 9	8	Post.	Visible in line of range (vorlo) Shown Jul. 10 to Jun. 1.
11572 C 5792	-Pitsundet South Range, No 1, front	65° 13.9' N 21° 30.8' E	Oc.G. period 4s	16 5	8	Post, white square daymark, black banded.	Visible in line of range (vorlo) Shown Jul. 10 to Jun. 1.
11576 C 5792.01	--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 banded.	Similar lights mark E. side of channel. Synchronized with front. Shown Jul. 10 to Jun. 1.
11580 C 5792.6	-Ferry slip, E. Range, front	65° 14.1' N 21° 30.4' E	F.R.	23 7	6	Post, white square daymark, black banded.	
11584 C 5792.61	--Rear, 120 meters 207° from front	65° 14.1' N 21° 30.4' E	F.R.	30 9	6	Post, white square daymark, black banded.	
11588 C 5792.2	-Slammormora, N. Range, front	65° 14.2' N 21° 30.5' E	F.G.	16 5	5	Post, white square daymark, black banded.	Visible in line of range (vorlo)
11592 C 5792.21	--Rear, 130 meters 320° from front	65° 14.2' N 21° 30.4' E	F.G.	23 7	5	Post, white square daymark, black banded.	Visible in line of range (vorlo)
11596 C 5792.8	-Pitholmsheden Range, front	65° 14.2' N 21° 30.8' E	Oc.R. period 4s	33 10		Post, white square daymark, black banded.	Intensified on range line only. Shown Jul. 10. to Jun. 1.
11600 C 5792.9	--Rear, 65 meters 181° from front	65° 14.3' N 21° 31.1' E	Oc.R.Oc.G period 4s	43 13	6	Post, white square daymark, black banded.	Shown Jul. 10 to Jun.1. Intensified on range line. Synchronized with front. Separated by width of channel, E. lights R., W. lights G.
PITEA APPROACH:							
11602 C 5793	-Pitsundet North Range, front	65° 14.5' N 21° 31.0' E	Q.W.	16 5	9	Post, white square daymark, black banded.	
11602.1 C 5793.1	--Rear, 115 meters 160° from front	65° 14.4' N 21° 31.1' E	Q.W.	26 8	10	Post, white square daymark, black banded.	Seasonal. Synchronized with front. 4 searchlights shown from posts in channel.
11622 C 5796	Renon	65° 20.0' N 21° 37.9' E	F.R.		3	Mast.	
11624 C 5744	Norstromsgrund	65° 06.6' N 22° 19.3' E	FI.W. period 3s	95 29	8	Orange tower, black banded, grey base; 95.	May be obscured to the West. Helicopter Platform.
RACON			N(- ·)		16		(3 & 10 cm).
RENON:							
11628 C 5745	-Rodkallen Sodra	65° 18.9' N 22° 22.2' E	L.FI.W.R.G. period 10s fl. 2s, ec. 8s	72 22	W. 9 R. 7 G. 6	Yellow building, white lantern; 59.	G. 3°30' -11°, W. -15°, R. - 23°, G. -119°, R. -169°, G. -194°, R. -244°, G. -264°, R. -296°, G. -337°, W. - 340°30', R. -3°30' Shown Jul. 10 to Jun. 1. PILOT STATION.
11632 C 5746	Rodkallens Hamn Range, front	65° 19.0' N 22° 23.0' E	Q.R.				Shown Jun. 1 to Sep. 30.
11636 C 5746.1	--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 C 5747	-Inner Range, front	65° 18.7' N 22° 22.7' E	Q.R.				Shown Jun. 1 to Sep. 30.
11638 C 5747.1	--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 C 5748	Farstugrunden	65° 19.8' N 22° 45.0' E	L.FI.W. period 8s fl. 2s, ec. 6s	89 27	13	Orange tower, grey base; 94.	
RACON			B(- · · ·)		17		(3 & 10 cm).
LULEA APPROACH:							

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
11644 C 5749	-Borussiagrund	65° 21.2' N 22° 16.1' E	FI.W. period 3s	52 16	12		Flood light.
	RACON		O(---)		14		(3 & 10 cm).
11650	Grillklippan, RACON	65° 22.7' N 22° 31.0' E	K(- * -) period 30s		11		
11660 C 5778	-Moro (Taltskar)	65° 29.1' N 22° 57.6' E	F.R.	10 3	4	Post.	Fishing light.
11680 C 5770	-Sandogrundet	65° 33.0' N 22° 11.8' E	Oc.W.R. period 4s	20 6	W. 12 R. 9	White building.	R. 22°30'-148°48'; W. -168°.
11688 C 5733	-Storbrando Range, front	65° 30.5' N 22° 30.8' E	F.R.	16 5	4	Post.	Fishing light.
11692 C 5733.1	--Rear, 170 meters 143° from front	65° 30.5' N 22° 30.9' E	F.R.	20 6	4	Post.	Fishing light.
LULEA APPROACH:							
11696 C 5735	-Vitfagelrannan	65° 29.2' N 22° 25.4' E	Q.W.R.G.	46 14	W. 13 R. 10 G. 9	Red tower, gray concrete base; 49.	W. 132°24'-141°12', R. - 161°18', G. -180°18'; R. - 303°30', G. -314°54' W., R. -334°54', G. -346°48', W. -351°6', R. -50°, 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	59 18	W. 16 R. 13 G. 12	Black, black and red tower, white top, gray base; 60.	G. 295°-311°, W. -318°, R. - 346°, G. -17°, R. -45°, G. - 60°, R. -96°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. Flood light. Radar reflector.
LULEA APPROACH:							
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 triangle, point up daymark.	Visible on range line only. Shown 24 hours.
Dir.W.R.G							
11712 C 5736.1	--Rear, 565 meters 308°30' from front	65° 31.4' N 22° 19.0' E	Iso.R. period 3s	59 18	11	White tower, orange triangle, point down daymark.	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 triangle, point up daymark.	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 triangle, point down daymark.	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 triangle, point up daymark.	Rear 11728.
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 triangle, point down daymark.	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 triangle, point up daymark.	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	49 15	11	White tower, orange triangle, point down daymark.	Synchronized with front. Shown 24 hours.
11740 C 5741	-Skvampen Range, front	65° 32.7' N 22° 17.2' E	Iso.R. period 4s	69 21	6	White latticed tower, orange triangle, point up daymark.	Shown 24 hours.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
11744 C 5741.1	--Rear, 310 meters 309° from front	65° 32.8' N 22° 16.9' E	Q.R.	92 28	6	White latticed tower, orange triangle, point down daymark.	Synchronized with front. Shown 24 hours.
11748 C 5743	-Svartosundet Range, front	65° 32.4' N 22° 16.7' E	Iso.W. period 4s	16 5	11	Pedestal, concrete base, white triangle, point up daymark, red border.	Visible in line of range (vorlo) 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, concrete base, white triangle, point down daymark, red border..	Radar reflector.
11760 C 5731.9	Kangso, S. mole of boat harbor, head	65° 50.0' N 22° 22.0' E	FI.R. period 3s	10 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	F.R.	20 6	3	Post, white triangle, point up daymark.	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	F.R.	36 11	3	Post, white triangle, point down daymark.	Shown Aug. 1 to close of navigation.
11824 C 5730	Binnholmsskatan Range, front	65° 45.9' N 22° 58.1' E	F.R.	16 5	3	Post, white triangle, point up daymark.	Fishing light.
11828 C 5730.1	-Rear, 75 meters 063° from front	65° 46.0' N 22° 58.4' E	F.R.	33 10	3	Post, white triangle, point down daymark.	Fishing light.
11840 C 5727.5	Storo	65° 41.8' N 23° 05.8' E	FI.(3)W.R.G. period 9s	36 11	W. 9 R. 7 G. 6	Red tower, gray base; 33.	G. 296°-302°, W. -306°, R. - 321°, G. -347°, G. UNINTENSIFIED-5°, R. UNINTENSIFIED-59°, G. UNINTENSIFIED- 122°30', G. -130°, W. - 133°, R. -142° Shown from Apr. 1 to Jun. 1 and Jul. 20 to close of navigation. Flood light.
11844 C 5728	Innergrundsviken Range, front	65° 44.3' N 23° 05.6' E	F.G.	16 5	2	Post, white triangle, point up daymark.	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 triangle, point down daymark.	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 triangle, point up daymark.	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	Post, white triangle, point down daymark.	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.	16 5	3	Post, white triangle, point up daymark.	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	Post, white triangle, point down daymark.	Fishing light.
11868 C 5725.5	Lutskarsgrund	65° 39.6' N 23° 20.0' E	L.FI.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. 4°54'-9°, R. -105°42', G. - 195°6', W. -196°6', R. - 216°54', G. -252°54', R. - 308°48', G. -333°6', W. - 336°24', R. -349°, G. - 4°54' Shown from Jul. 10 to Jun. 1. Radar reflector.
			Iso.W.R.G. period 8s		12		G. 333°36'-334°48', W. - 336°, R. -337°12' Shown when required with L.FI.W.R.G. Occasional.
11872 C 5710	Maloren	65° 31.7' N 23° 33.4' E	L.FI.(2)W.R.G. period 12s fl. 2s, ec. 2s fl. 2s, ec. 6s	72 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 & 10 cm).
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, lantern.	W. 321°6'-214°48', R. - 321°6'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
11877 C 5710.5	-Outer Range, front	65° 31.6' N 23° 33.4' E	Iso.W. period 5s	16 5	4	Post, white triangle, point up daymark.	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 triangle, point down daymark.	Shown Jul. 10 to Dec. 31.
11878 C 5710.6	-Inner Range, front	65° 31.6' N 23° 33.4' E	Iso.R. period 5s	16 5	2	Post, white triangle, point up daymark.	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 triangle, point down daymark.	Shown Jul. 10 to Dec. 31.
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. 32°-60°, 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 & 10 cm).
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; 23.	G. 261°-296°24', R. - 305°18', G. -318°48', W. -320°54', R. -359°42', G. -14°, W. -15°12', R. - 19°48', G. -69°48', W. - 121°24', R. -137°42', G. - 149°6', R. -171°48' Shown from Jul. 20 to May 25.
11900 C 5725	-Ytterlandet Range, front	65° 42.5' N 23° 16.8' E	Iso.W. period 4s	16 5	8	Latticed tower, white triangle, point up daymark, 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	Latticed tower, white triangle, point down daymark, 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.	23 7	W. 6 R. 4 G. 3	Building, white rectangular daymark.	G. 334°42'-335°54', W. - 339°54', R. -341°6' 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	95 29	12	Building, white rectangular daymark.	Visible in line of range (vorlo) 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.	16 5	8	Latticed tower, red rectangular daymark, triangle 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	Latticed tower, red rectangular daymark, triangle 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	Grey latticed tower.	R. 229°-301°, G. -322°, R. - 339°.
HAPARANDAHAMN:							

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SWEDEN-GULF OF BOTHNIA							
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, lantern.	G. 180°6'-276°54', W. -291°, R. -327°48', G. -14°54', W. -23°, R. -33° 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, lantern.	G. 345°-43°36', W. -52°18', R. -79°36', G. -156°, R. -185° Shown Jul. 20 to close of navigation.
11938 C 5725.8	-Haparanda, AVIATION LIGHT	65° 56.0' N 23° 31.7' E	V.Q.W.	134 8 411	17	Mast, radio.	Obstruction. 6 F.R. (vert.) lights range 6M.
11964 C 5703	Haparandahamn Range, front	65° 46.0' N 23° 55.0' E	F.R.	13 4		Post, yellow triangle, point up daymark.	Shown Jul. 20 to close of navigation.
11968 C 5703.1	-Rear, 260 meters 057° from front	65° 46.5' N 23° 54.7' E	F.R.	26 8		Post, yellow triangle, point down daymark.	Shown Jul. 20 to close of navigation.
11970 C 5704	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.	Obstruction.
11976 C 5698	-Stora Knivskar Range, front	65° 40.8' N 24° 08.6' E	Q.W.	33 10	7	Red rectangular daymark, white stripe.	Visible 296°36'-300°36' Shown Apr. 1 to Jun. 6 and Jul. 20 to close of navigation.
11980 C 5698.1	--Rear, on Nalkakari Rock, 1.4 kilometers 298°36' from front	65° 41.2' N 24° 07.0' E	L.FI.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.
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 banded, with balcony; 92.	Reserve light Fl.W. 3s 8M. Storm Signal.
11996 C 3334	Yuodkrante	55° 33.2' N 21° 07.0' E	L.FI.W. period 8s fl. 3s, ec. 5s	246 75	18	Black square metal 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 latticed tower, white diamond and rectangular daymarks, black stripe; 95.	Visible in line of range (vorlo)
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 banded, platform; 121.	Visible 0°-180° Shown 24 hours. Reserve light range 8M.
12009 C 3347.9	-N. mole, NW. head	55° 44.0' N 21° 04.5' E	Fl.(2)Y. period 20s	10 3	4	Yellow piles; 10.	Surrounded by 200 meter safety zone.
12016 C 3348	-N. entrance	55° 41.7' N 21° 04.6' E	Iso.R. period 2s	26 8	3	White metal column, red bands, platform; 16.	
12020 C 3350	-S. mole, head	55° 41.4' N 21° 08.0' E	Oc.R. period 3s fl. 2s, ec. 0s	33 10	3	White round tower, red bands, platform; 20.	
12022 C 334	-Pagrindinis Siaurinis Pirminis	55° 43.4' N 21° 06.2' E	Fl.R. period 1.5s	49 15	3	Red metal tower, white, yellow and green banded; 200.	R. 332°48'-334°18', W. -336°6', 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 tower; 56.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
LITHUANIA-BALTIC SEA							
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.	
12041.5 C 3363	-Smilayne, NE. entrance	55° 41.9' N 21° 07.2' E	Oc.G. period 4s lt. 3s, ec. 1s	26 8	3	Green quadrilateral structure; 19.	
12041.6 C 3363.1	--S. breakwater	55° 41.9' N 21° 07.3' E	Oc.R. period 4s lt. 3s, ec. 1s	26 8	3	Red truncated tower; 20.	
12041.9 C 3364	-Pier 66 and 67, head	55° 41.2' N 21° 07.7' E	Iso.R. period 2s	26 8	3	White round metal column, red banded, platform; 15.	
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 banded, 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 banded, 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 metal column, yellow banded, 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 metal column, yellow banded, 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, with balcony, red rectangular daymark, white banded; 128.	Visible 0°-180°.
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 latticed tower, white round column, red balcony and lantern room; 72.	Visible 347°-172°.
12056 C 3390	Bernatu	56° 22.9' N 20° 58.9' E	Iso.W. period 4s	135 41	15	Latticed tower, red planking on framework tower; 69.	Visible 0°-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 banded; 98.	Visible 0°-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	20 6	1	Red round column; 10.	
12062 C 3396.362	--E	56° 32.7' N 20° 60.0' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	20 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 latticed tower, white trapezium daymark, black stripe; 66.	Visible 64°-72° 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 latticed tower; 98.	Visible 64°-72° 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	Latticed tower, white rectangular daymark, black stripe; 98.	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	Latticed tower, white rectangular daymark, black stripe; 148.	Shown 24 hours.
12072 C 3397.5	-Osta	56° 31.4' N 20° 58.7' E	Dir.W.R.G. period 2s	33 10	2	White round column; 20.	F.G. 167°42'-169°42', F.W. - 171°42', F.R. -173°42'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
LATVIA-BALTIC SEA							
12080 C 3397.8	-Inner Harbor Range, front	56° 31.2' N 20° 59.0' E	FI.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	FI.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.
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	FI.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	FI.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	FI.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	FI.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	Latticed tower, white rectangular daymark, black stripe; 33.	Shown by day.
12114.1 C 3396.307	--Rear, 160 meters 097°30' from front	56° 32.6' N 21° 01.4' E	Iso.G. period 3s	69 21	1	Latticed tower, white rectangular daymark, black stripe; 49.	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	Latticed tower, white rectangular daymark, red stripe, white rectangular daymark red stripe; 33.	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	Latticed tower, white rectangular daymark, red stripe; 39.	Shown 24 hours.
12120 C 3442	Akmenrags	56° 49.9' N 21° 03.4' E	L.FI.(2)W. period 10s fl. 1s, ec. 1s fl. 3s, ec. 5s	125 38	15	Red round masonry tower; 121.	Visible 0°-225°.
PAVILOSTA:							
12124 C 3443	-Range, front	56° 53.3' N 21° 10.3' E	FI.W. period 3s fl. 1s, ec. 2s	39 12	5	Latticed tower, white rectangular daymark, black stripe; 33.	Visible in line of range (vorlo) Shown 24 hours.
12128 C 3443.1	--Rear, 162 meters 144°12' from front	56° 53.2' N 21° 10.4' E	FI.W. period 3s fl. 1s, ec. 2s	59 18	6	White rectangular daymark, black stripes.	Visible in line of range (vorlo) Shown 24 hours.
12132 C 3443.5	-E. mole, head	56° 53.5' N 21° 10.1' E	FI.R. period 3s fl. 0.5s, ec. 2.5s	26 8	3	Red column; 16.	
12136 C 3443.4	-W. mole, head	56° 53.5' N 21° 10.0' E	FI.G. period 3s fl. 0.5s, ec. 2.5s	26 8	3	Green round column; 16.	
12140 C 3448	Uzava	57° 12.5' N 21° 24.9' E	FI.(2)W. period 10s fl. 1.5s, ec. 2.5s fl. 1.5s, ec. 4.5s	144 44	15	White round masonry tower, on dwelling; 62.	Visible 358°-198°.
VENTSPILS:							
12144 C 3449.5	-S. of Ventspils, AVIATION LIGHT	57° 22.4' N 21° 32.8' E	FI.R.W.				

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
LATVIA-BALTIC SEA							
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	Latticed 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	Latticed tower, black rectangular daymark, yellow stripe; 98.	Visible 94°-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	Latticed 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	Latticed 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	46 14	4	White round tower, white lantern; 36.	Shown 24 hours.
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	46 14	3	White round tower, green lantern; 36.	Shown 24 hours.
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, 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 346	-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 24°-256°.
12194 C 3474	Irbensky Strait	57° 45.0' N 21° 43.4' E	Fl.W. period 10s fl. 1s, ec. 9s	115 35	10	White round tower, on black base, red bands, 2 balconies; 121.	Helicopter Platform.
	RACON		I(••) period 15s		12		(3 cm).
12196 C 3476	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 87°-251°.
	RACON		M(- -)		20		
12204 C 3477.3	Sikragciema	57° 39.5' N 22° 13.0' E	Fl.W. period 3s fl. 1s, ec. 2s	108 33	15	Latticed tower, white rectangular daymark; 89.	Visible 64°-242°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
LATVIA-GULF OF RIGA							
12212 C 3478	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		(3 cm).
12216 C 3486	Gipka	57° 34.2' N 22° 39.4' E	L.FI.W. period 6s fl. 2s, ec. 4s	121 37	15	Latticed tower, 2 red trapeziums over white rectangular daymark; 98.	Visible 144°-314°.
12220 C 3482	Ruhnu Saar	57° 48.1' N 23° 15.6' E	FI.W. period 4s fl. 1s, ec. 3s	213 65	11	Red round metal tower, balcony, lantern; 125.	Lower part obscured by forest.
12222 C 3482.4	-Ringsu Harbor Range, front	57° 46.8' N 23° 16.2' E	Q.W.	26 8	3	Red post, orange trapezium daymark, black stripe; 13.	Visible 271°36'-301°36'.
12222.1 C 3482.401	--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 trapezium daymark, black stripe; 66.	Visible 271°36'-301°36'.
12223 C 3482.5	--W. mole, head	57° 46.8' N 23° 16.3' E	FI.R. period 3s fl. 0.5s, ec. 2.5s	13 4	3	Red round metal tower; 6.	
12223.1 C 3482.51	--E. mole, head	57° 46.8' N 23° 16.3' E	FI.G. period 3s fl. 0.5s, ec. 2.5s	13 4	3	Green round metal tower; 6.	
12224 C 3489	Roja	57° 30.5' N 22° 48.6' E	Dir.W.R.G.	62 19	W. 7 R. 4 G. 4	Red latticed tower; 62.	G. 210°24'-213°30', W. - 216°30', R. -219°24'.
12228 C 3494	Mersrags	57° 22.0' N 23° 07.2' E	FI.W. period 5s fl. 0.2s, ec. 4.8s	85 26	15	White tower, balcony, lantern room; 62.	Visible 130°-345° Reserve light Iso.W. 6s 15M.
12232 C 3496	-N. mole, head	57° 20.1' N 23° 08.4' E	FI.G. period 3s fl. 0.5s, ec. 2.5s	23 7	2	White round column; 16.	Shown Apr. 10 to Jan. 30. Radar reflector.
12248 C 3501	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 latticed tower, white; 62.	Visible 160°-359°.
12252 C 3502	Ragaciems	57° 02.1' N 23° 29.2' E	Iso.W. period 2s	121 37	16	Latticed tower, red rectangular daymark; 98.	Visible 95°-330°.
12256 C 3503	Bulluciema	56° 59.6' N 23° 53.2' E	FI.W. period 5s fl. 1.5s, ec. 3.5s	118 36	16	Red latticed tower, white; 92.	Visible 71°-240°.
ZAPADNAYA DVINA:							
12268	-Buoy C	57° 07.0' N 23° 57.0' E	L.FI.W. period 6s			SAFE WATER White buoy, topmark, red vertical stripes.	Radar reflector.
DAUGAVA RIVER:							
12272 C 3526	-Daugavgrivas	57° 03.6' N 24° 01.3' E	F.FI.W. period 4s fl. 0.3s, ec. 3.7s	121 37	18	White round tower, black banded, balcony; 115.	Visible 35°-245°.
			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	FI.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	66 20	11	Red latticed tower, platform, white trapezium daymark, red stripe; 49.	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	95 29	11	Red latticed tower, white trapezium daymark, red stripe; 85.	Visible in line of range (vorlo) Synchronized with front. Traffic signal. Reserve light range 9M. Storm Signal.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
LATVIA-GULF OF RIGA							
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, with fork widening at the 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	1	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.	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.	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.
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, with fork widening at the top; 20.	
12328 C 3544	-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, with fork widening at the top; 20.	Radar reflector.
12331 C 3495.5	-Mersrags Inner Range, front	57° 20.1' N 23° 07.8' E	Iso.R. period 3s	33 10	8	Metal framework tower, red rectangular daymark, white stripe; 30.	Visible in line of range (vorlo) Shown 24 hours.
12331.1 C 3495.51	--Rear, 236 meters 266°30' from front	57° 20.1' N 23° 07.8' E	Iso.R. period 3s	56 17	8	Metal framework tower, red rectangular daymark, white stripe; 52.	Synchronized with front. Shown 24 hours.
DAUGAVA RIVER:							
12332 C 3532	-Rinuzi Range, front	57° 02.4' N 24° 04.6' E	Oc.G. period 5s lt. 3s, ec. 2s	52 16	5	Latticed tower, red rectangular daymark, white stripe; 43.	Visible in line of range (vorlo) Shown 24 hours.
12336 C 3532.1	--Rear, 587 meters 128°24' from front	57° 02.2' N 24° 05.0' E	Oc.G. period 5s lt. 3s, ec. 2s	79 24	5	Latticed tower, red trapezium daymark, white stripe; 72.	Synchronized with front. Shown 24 hours.
12340 C 3547	-Balta~Baznitsa Range, front	57° 01.9' N 24° 05.3' E	Iso.Y. period 4s	43 13	4	Column, white trapezium daymark, black stripe; 36.	Visible in line of range (vorlo) Shown 24 hours.
12344 C 3547.1	--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 in line of range (vorlo) Synchronized with front. Shown 24 hours.
12348 C 3547.2	--Rear, 486 meters 356°54' from front	57° 02.2' N 24° 05.2' E	Iso.Y. period 4s	66 20	4	Tower, in window of; 59.	Visible in line of range (vorlo) Synchronized with front. Shown 24 hours.
12352 C 3548.4	-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	36 11	2	Red round column; 23.	Radar reflector.
12353 C 3546.2	--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; 24.	Radar reflector.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
LATVIA-GULF OF RIGA							
12354 C 3546.3	--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 C 3546	--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 C 3545.4	--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 in line of range (vorlo) Shown 24 hours.
12358.1 C 3545.41	--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 in line of range (vorlo) Synchronized with front. Shown 24 hours.
12360 C 3545	--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, with fork widening at the top; 20.	Radar reflector.
12364 C 3548	-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	30 9	1	White column, with fork widening at the top; 26.	
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, with fork widening at the top; 23.	
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 85°-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 latticed 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, with fork widening at the 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	36 11	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, with fork widening at the 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, with fork widening at the top; 20.	Radar reflector.
12391 C 3553	-Ronu dikis	56° 58.3' N 24° 05.0' E	Fl.(2)G. period 9s	20 6	1	White round column, with fork widening at the top; 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, with fork widening at the top; 20.	W. 185°-5°, R. -185°. Radar reflector.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
LATVIA-GULF OF RIGA							
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, with fork widening at the 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	1	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	30 9	2	White column, with fork widening at the top; 20.	
12412 C 3580.15	-Skulte, 098.5°	57° 19.0' N 24° 24.4' E	Dir.W.R.G.	39 12	W. 6 R. 3 G. 3	Latticed tower; 33.	G. 96°30'-98°30', W. - 100°30', R. -102°30'.
12416 C 3580.2	-S. mole, head	57° 19.0' N 24° 24.0' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	33 10	3	Green round column; 20.	Radar reflector.
12420 C 3580.3	-N. mole, head	57° 19.1' N 24° 24.0' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	33 10	3	Red round column; 16.	Shown Apr. 10 to Jan. 30. Radar reflector.
12436 C 3585	Grintals	57° 38.3' N 24° 22.7' E	Fl.R. period 4s fl. 1s, ec. 3s	112 34	12	Latticed tower, black and white top; 69.	Visible 350°-175°.
12440 C 3587	Salacgriva Range, front	57° 45.4' N 24° 21.2' E	Iso.R. period 2s	30 9	9	Latticed tower, white rectangular daymark, black stripe; 20.	Visible in line of range (vorlo) Radar reflector.
12444 C 3587.1	-Rear, about 207 meters 072°18' from front	57° 45.4' N 24° 21.4' E	Iso.R. period 4s	79 24	9	Latticed tower, white rectangular daymark, black stripe; 59.	Visible in line of range (vorlo)
12448 C 3590	Ainazi	57° 52.0' N 24° 21.6' E	Iso.W. period 4s	72 22	12	White tower, orange stripe; 59.	Visible 19°-198°.

ESTONIA-GULF OF RIGA							
12452 C 3594.5	Haademeeste	58° 04.4' N 24° 29.2' E	Fl.W. period 5s fl. 1.5s, ec. 3.5s	112 34	11	White latticed tower, planking on 3 sides; 92.	
PARNU:							
12456 C 3606	-Approach Range, front	58° 22.7' N 24° 27.9' E	Q.R.	66 20	10	Red round metal tower, white rectangular daymark, black stripe; 75.	Visible 19°54'-27°54'.
12460 C 3606.1	--Rear, about 820 meters 023°54' from front	58° 23.1' N 24° 28.3' E	Iso.R. period 6s	131 40	11	Metal framework tower, white rectangular daymark, black stripe; 110.	Visible 19°54'-27°54'.
F.R.							
12464 C 3603	-Manilaid, on S. end	58° 12.2' N 24° 06.0' E	Iso.W.R.G. period 4s	30 9	8	White round concrete tower, balcony, red lantern; 26.	W. 338°30'-11°, R. -75°, G. - 103°, W. -125°30', R. - 154°, W. -310°, G. - 338°30'.
12468 C 3608	-Outer Range, front	58° 22.7' N 24° 28.8' E	Q.W.	52 16	3	Metal framework tower, white rectangular daymark, orange stripe; 40.	Visible 36°-42°.
12472 C 3608.1	--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; 72.	Visible 36°-42°.
12476 C 3612	-Inner Range, front	58° 23.4' N 24° 29.2' E	Iso.R. period 2s	56 17	2	Metal framework tower, orange rectangular daymark, white stripe; 45.	Visible 22°12'-30°12'.
F.R.							

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ESTONIA-GULF OF RIGA							
12480 C 3612.1	--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 22°12'-30°12'.
			F.R.				
12484 C 3611	-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 banded, concrete base; 8.	
12488 C 3611.5	-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 banded, concrete base; 8.	
12492 C 3605	Liu	58° 16.6' N 24° 15.9' E	Oc.(2)W. period 5s lt. 1s, ec. 0.5s lt. 3s, ec. 0.5s	108 33	7	Metal framework tower, white planking on 3 sides; 91.	
12496 C 3595	Someri Poolsaar	58° 21.0' N 23° 44.4' E	Fl.W. period 6s fl. 0.6s, ec. 5.4s	79 24	9	White octagonal concrete tower; 69.	
12500 C 3596	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	98 30	11	White conical metal tower, balcony, lantern; 92.	W. 262°-225°, R. -262°.
12508 C 3602	Sorgu Saar	58° 10.7' N 24° 12.0' E	Fl.(2)W.R. period 9s fl. 1s, ec. 1s fl. 1s, ec. 6s	62 19	7	Red round masonry tower, balcony, lantern; 53.	W. 101°-342°, R. -101°.
	MUHU VAIN:						
12512 C 3631	-Poorilaid, W. of Selglaid	58° 27.7' N 23° 37.8' E	F.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	7	White round concrete tower, balcony, lantern; 43.	G. 340°30'-7°, W. -141°, R. - 160°, W. -220°30'.
12516 C 3636	-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	49 15	9	Red round concrete tower, balcony, lantern; 36.	W. 163°-349°, R. -163°.
12520 C 3632	-Virtsu, W. point of peninsula	58° 34.0' N 23° 30.1' E	Fl.W. period 5s fl. 1.5s, ec. 3.5s	62 19	11	White square concrete tower, red top; 59.	
12522 C 3634.5	-Kuivastu	58° 34.4' N 23° 23.8' E	Q.R.	26 8	2	Red concrete column, balcony; 17.	
12524 C 3632.6	--Pier, head	58° 34.6' N 23° 30.5' E	Fl.W.R. period 2s fl. 0.5s, ec. 1.5s	26 8	W. 5 R. 3	Red metal column, balcony; 16.	W. 77°30'-99°, R. -77°30'.
12528 C 3637	-Kesse Range, front	58° 37.9' N 23° 24.9' E	Q.W.	39 12	5	Red metal post, white rectangular daymark, red stripe; 30.	Visible 318°-128°.
12532 C 3637.1	--Rear, 700 meters 123° from front	58° 37.7' N 23° 25.5' E	Iso.W. period 4s	75 23	3	Yellow square metal tower, white rectangular daymark, red stripe; 59.	W. UNINTENSIFIED60°- 118°, W. 118°-128°.
12540 C 3638	--Raugi Range, front	58° 39.2' N 23° 18.4' E	Oc.W. period 5s lt. 3s, ec. 2s	102 31	15	Metal framework tower, white rectangular daymark, black stripe; 86.	Visible 161°-165°.
12544 C 3638.1	--Rear, 755 meters 163°12' from front	58° 38.8' N 23° 18.7' E	Oc.W. period 5s lt. 3s, ec. 2s	174 53	15	Metal framework tower, white rectangular daymark, black stripe; 131.	Visible 161°-165°.
12548 C 3639	--Seanina Point, N. end of island	58° 41.0' N 23° 11.5' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	75 23	8	White square metal tower, planking on three sides, black top; 52.	
12550 C 3640.8	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, red planking; 46.	
	VORMSIKURK:						

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ESTONIA-GULF OF RIGA							
12552 C 3646	-Heltermaa Range, front	58° 51.9' N 23° 02.9' E	Q.R.	23 7	10	Metal framework tower, white diamond (rhombus) daymark, black stripe; 35.	Visible 251°48'-257°48'.
12556 C 3646.1	--Rear, 311 meters 254°42' from front	58° 51.9' N 23° 02.5' E	Oc.R. period 4s lt. 3s, ec. 1s	59 18	10	Metal framework tower, white diamond (rhombus) daymark, black stripe; 59.	Visible 251°48'-257°48'.
12560 C 3758.5	-Harilaid Range, front	58° 58.0' N 23° 05.2' E	Iso.W. period 2s	16 5	6	Cylindrical metal, white rectangular daymark; 35.	Visible 326°18'-334°18'.
12564 C 3758.51	--Rear, 180 meters 330°18' from front	58° 58.1' N 23° 05.1' E	Iso.W.R.G. period 4s	59 18	5	White round tower, lantern, two balconies; 53.	W. -250°, G. -314°, W. -336°30', R. -131°, W. -160°.
12571 C 3653	-Rohukula Range, front	58° 54.5' N 23° 25.5' E	Q.W.	36 11	8	Metal framework tower, white rectangular daymark, black stripe; 39.	Visible 87°6'-93°6'.
12572 C 3653.1	--Rear, about 460 meters 090°06' from front	58° 54.5' N 23° 26.0' E	Oc.W. period 3s lt. 2.5s, ec. 0.5s	92 28	8	Black metal tower, white rectangular daymark, black stripe; 66.	Visible 87°6'-93°6'.
12574 C 3652.5	-Rohukula Harbor, pier, head	58° 54.3' N 23° 25.4' E	L.FI.W. period 10s fl. 2s, ec. 8s	26 8	2	White concrete column; 17.	
VOOSIKURK:							
12588 C 3652	-Range, front, Hobulaid Island, S. end	58° 55.9' N 23° 23.2' E	FI.W.R. period 6s fl. 1.5s, ec. 4.5s	16 5	4	Red cylindrical metal, lantern; 22.	W. 211°30'-325°, R. -211°30'.
12588.1 C 3652.1	--Rukkirahu, N. end of islet, rear, 3706 meters 213°42' from front	58° 54.3' N 23° 21.0' E	FI.(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; 57.	W. 14°-104°, R. -194°, W. -216°, R. -243°, W. -283°, R. -14°.
12592 C 3651	-Paralep Range, front	58° 56.0' N 23° 29.0' E	Q.W.	52 16	6	White round concrete tower, balcony, lantern; 52.	Visible 150°42'-154°42'.
12596 C 3651.1	--Rear, 800 meters 152°42' from front	58° 55.7' N 23° 29.4' E	Iso.W. period 4s	115 35	6	White round concrete tower, black banded, balcony, black lantern; 112.	Visible 150°42'-154°42'.
12600 C 3656	-Haapsalu Range, front	58° 57.2' N 23° 30.8' E	Q.R.	20 6	2	Metal structure, orange triangle, point up daymark, yellow stripe; 26.	Visible 90°12'-98°12'.
12604 C 3656.1	--Rear, 600 meters 094°12' from front	58° 57.2' N 23° 31.4' E	Iso.R. period 3s	43 13	2	Metal structure, orange triangle, point up daymark, yellow stripe, yellow disk on top; 42.	Visible 90°12'-98°12'.
12606 C 3657	-Holmi Range, front	58° 57.6' N 23° 30.7' E	Q.G.	30 9	2	Metal framework tower, white rectangular daymark, black stripe; 21.	Visible 68°12'-78°12'.
12606.1 C 3657.1	--Rear, 390 meters 073°12' from front	58° 57.6' N 23° 31.1' E	Iso.G. period 3s	49 15	2	Metal framework tower, white rectangular daymark, black stripe; 38.	Visible 68°12'-78°12'.
12608 C 3650	-Hobulaid Range, front	58° 58.5' N 23° 23.4' E	Q.W.	36 11	4	Red metal tower, white rectangular daymark, black stripe; 35.	Visible 183°-187°.
12612 C 3650.1	--Rear, 2253 meters 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; 61.	Visible 183°-187°.
12614 C 3759	-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 C 3759.1	--Rear, 950 meters 192°24' from front	59° 00.7' N 23° 20.9' E	Iso.W. period 4s	118 36	12	White round concrete tower, balcony, lantern, red top; 103.	Visible 188°24'-196°24' Lower part obscured by forest.
12616 C 3759.5	-Ramsholmi, on shore of Pashlepa Bay, front	59° 01.2' N 23° 26.0' E	Q.R.	16 5	6	White round concrete tower, balcony, lantern; 33.	Visible 132°42'-142°42'.
12620 C 3759.51	--Rear, 510 meters 137°42' from front	59° 00.9' N 23° 26.4' E	Oc.R. period 2s	52 16	6	White round concrete tower, balcony, lantern; 47.	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 C 3757.9	-Vormsi Range, rear, 1000 meters 140° from front	59° 01.2' N 23° 07.7' E	Iso.W. period 6s	135 41	9	White square metal tower, with planking, black top; 115.	Visible 136°-144° Front 12631.
12631 C 3758	--Range	59° 01.7' N 23° 07.0' E	Iso.W.R.G. period 6s	85 26	W. 9 R. 7 G. 5	White conical metal tower, balcony, lantern; 77.	W. 352°-8° (5M), R. -66°, G. -134°, W. -148°, R. -213° Rear 12630. Front 12632.
12632 C 3758.1	--Range, front, Vormsi Island, E. end	59° 01.5' N 23° 07.0' E	Q.W.	33 10	5	Metal framework tower, white rectangular daymark, black stripe; 56.	Visible 358°12'-6°12' Rear 12631.
SAAREMAA:							
12636 C 3630	-Kubassaar	58° 25.7' N 23° 18.0' E	L.FI.W. period 9s fl. 2.5s, ec. 6.5s	66 20	11	White round concrete tower, balcony, lantern, black top; 59.	Visible 228°-48° Shown Apr. 10 to Dec. 20.
12648 C 3628	-Allirahu	58° 18.0' N 22° 58.2' E	FI.W. period 7s fl. 1s, ec. 6s	59 18	7	Metal framework tower, black banded, black and white planking; 52.	
12656 C 3626	--N. end of island	58° 09.7' N 22° 47.2' E	FI.(2)W. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 8.5s	49 15	7	Metal framework tower, orange planking on 4 sides; 32.	
12658 C 3627	-Saaretuki	58° 15.6' N 22° 49.3' E	FI.(3)W. period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	66 20	6	White square concrete tower; 51.	
12659 C 3616	-Abruka Range, front	58° 09.0' N 22° 32.1' E	Q.W.	75 23	8	Metal post, white red rectangular daymark; 59.	Visible 257°18'-261°18'.
12660 C 3616.1	--Rear, 671 meters 259°18' from front	58° 08.9' N 22° 31.5' E	Iso.W. period 4s	121 37	9	White round concrete tower, black banded; 113.	W. 135°-45°, INTENSIFIED 2° each side of leading line.
12662 C 3612.3	-Kuressaare Range, front	58° 14.6' N 22° 28.2' E	Q.R.	30 9	6	Red cylindrical metal, white rectangular daymark, red stripe; 23.	Visible 359°18'-3°18' Shown May 1 to Dec. 1.
12662.1 C 3612.31	--Rear, 240 meters 001°18' from front	58° 14.8' N 22° 28.2' E	Oc.R. period 1.5s fl. 1s, ec. 0.5s	72 22	6	Building, white rectangular daymark, red stripe; 10.	Visible 359°18'-3°18' Shown May 1 to Dec. 1.
12664 C 3622	-Roomassaare Range, front	58° 12.8' N 22° 30.4' E	Oc.W.R.G. period 4s fl. 3s, ec. 1s	46 14	6	Red metal framework tower, black rectangular daymark, white stripe; 39.	G. 23°30'-29°30', W. -32°30', R. -38°30', W. UNINTENSIFIED 276°30'-6°30'.
12664.1 C 3622.1	--Rear, 721 meters 321°30' from front	58° 13.1' N 22° 29.9' E	Oc.W. period 4s fl. 3s, ec. 1s	108 33	6	Metal framework tower, black rectangular daymark, white stripe; 98.	Visible 318°30'-324°30'.
12665 C 3618	-Kirjurahu	58° 06.0' N 22° 33.4' E	Q.(5)W. period 12s	43 13	9	Pyramid latticed structure, with metal ribs, balcony; 36.	
12668 C 3705.3	-Kaavi	57° 58.9' N 22° 11.7' E	FI.W. period 2.5s	75 23	6	Red square concrete tower, white banded; 52.	
12670 C 3704.5	-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 C 3704.51	--Rear, 209 meters 298°30' from front	57° 57.1' N 22° 07.3' E	Iso.W. period 4s	85 26	6	Metal framework tower, white rectangular daymark, black stripe; 49.	Visible 294°30'-302°30'.
12672 C 3704	-Sorve Saar	57° 54.6' N 22° 03.3' E	F.FI.W. period 15s fl. 0.5s, ec. 14.5s	171 52	15	White conical concrete tower, black upper part, balcony, lantern; 174.	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	FI.(2)W. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 8s	62 19	6	White square concrete tower, red upper part; 49.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ESTONIA-BALTIC SEA							
12679 C 371	-Lou Range, front	58° 06.3' N 22° 10.8' E	Q.(4)W.R.G. period 15s	39 12	W. 7 R. 3 G. 3	White round concrete tower, balcony, lantern; 33.	G. 13°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 upper part; 102.	
12682 C 3712	-Karala	58° 16.3' N 21° 53.8' E	Fl.W. period 5s fl. 1s, ec. 4s	144 44	8	Black metal framework tower, planking on 3 sides, red upper part; 92.	
12684 C 3714	-Vilsandi Saar	58° 23.0' N 21° 48.8' E	F.FI.(3)W.R. period 15s fl. 1s, ec. 0s fl. 1s, ec. 2s fl. 2s, ec. 7s	138 42	12	White round masonry tower, balcony, lantern; 127.	W. 212° -164°30', R. -212°.
12690 C 3642.2	-Triigi Range, front	58° 35.5' N 22° 43.2' E	Q.W.G.	30 9	W. 6 G. 3	White metal post, orange trapezium daymark, black stripe; 19.	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 trapezium daymark, black stripe; 39.	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	66 20	7	White latticed tower, white planking on 3 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	180 55	7	Red metal framework tower, white trapezium daymark planking on 4 sides; 98.	
12695 C 3717.3	-Saaremaa Harbor	58° 32.2' N 22° 14.2' E	Iso.R. period 4s	62 19	3	Lattice metal mast; 67.	
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	26 8	3	Green cylindrical metal; 17.	
12696 C 3717	Merise, N. extremity	58° 29.9' N 22° 08.3' E	Fl.W. period 1.5s	66 20	6	Metal framework tower, white planking on 4 sides; 36.	
HIUMAA:							
12700 C 3720	-Emmaste Range, front	58° 41.4' N 22° 33.2' E	Q.W.	33 10	9	White round concrete tower, balcony, lantern; 36.	Visible 87°24' -91°24'.
12704 C 3720.1	--Rear, 1,100 meters 089°24' from front	58° 41.4' N 22° 34.3' E	Iso.W. period 4s	85 26	9	White metal tower, red rectangular daymark, white stripe; 80.	Visible 87°24' -91°24'.
12707 C 3721	-Soru Range, front	58° 42.1' N 22° 29.5' E	Q.W.	39 12	6	White round concrete tower, balcony, lantern; 36.	Visible 308°36' -314°36'.
12708 C 3721.1	--Rear, 480 meters 310°36' from front	58° 42.2' N 22° 29.2' E	Iso.W.R.G. period 4s	62 19	6	White round concrete tower, balcony, red top and lantern; 55.	W. 300°-3°, G. -44°, W. - 74°30', R. -86°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	118 36	12	Red round concrete tower, balcony, lantern; 89.	W. 348°-192°, R. -348°.
12720 C 3746	-Kopu, on Andresemagi, near W. end of Hiiumaa	58° 55.0' N 22° 12.0' E	Fl.(2)W. period 10s	335 102	26	White square masonry tower, balcony, red lantern; 118.	
12728 C 3754	-Takhuna Point	59° 05.5' N 22° 35.2' E	F.L.FI.W. period 15s fl. 2s, ec. 2s fl. 2s, ec. 9s	154 47	12	White conical metal tower, balcony, tower; 148.	Visible 95°-253°30'.
12729 C 3755.5	-Kardla Range, front	59° 00.6' N 22° 45.3' E	Fl.W.G. period 2s fl. 0.5s, ec. 1.5s	23 7	W. 5 G. 2	Green cylindrical metal, white rectangular daymark, green stripe; 16.	W. 160°12' -164°12', G. - 160°12' Shown May 1 to Nov. 1.
12729.1 C 3755.1	--Rear, 556 meters 162°12' from front	59° 00.3' N 22° 45.4' E	Fl.W. period 2s fl. 0.5s, ec. 1.5s	69 21	5	Grey metal framework tower, white rectangular daymark, green stripe; 56.	Visible 160°12' -164°12' Shown May 1 to Nov. 1.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ESTONIA-BALTIC SEA							
12730 C 3756	-Hiessaare	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° 47.4' N 22° 46.3' E	F.R.	46 14	9	White round concrete tower, black stripe; 35.	Visible 1°42'-5°42' Shown Apr. 20 to Dec. 10.
12736 C 3644.1	-Rear, 540 meters 003°42' from front	58° 47.7' N 22° 46.3' E	F.R.	75 23	9	White round concrete tower, black stripe; 54.	Visible 1°42'-5°42' Shown Apr. 20 to Dec. 10.
ESTONIA-GULF OF FINLAND							
12748 C 3760	Osmussaar	59° 18.2' N 23° 21.7' E	F.FI.(2)W. period 18s fl. 1s, ec. 2s fl. 2s, ec. 13s	128 39	11	White round concrete tower, black banded, balcony, lantern; 115.	
12752 C 3764	Poosaspea	59° 13.7' N 23° 30.7' E	FI.W. period 3s fl. 0.3s, ec. 2.7s	66 20	6	White square metal tower, planking on three sides, red upper part; 55.	
12753 C 3765	Dirhami Range, front	59° 12.5' N 23° 30.2' E	Iso.G. period 2s	33 10	3	Metal framework tower, white trapezium daymark, black stripe; 20.	Visible in line of range (vorlo)
12753.1 C 3765.1	-Rear, 220 meters, 170°18' from front	59° 12.4' N 23° 30.3' E	Iso.G. period 2s	49 15	3	Metal framework tower, white trapezium daymark, black stripe; 27.	Visible in line of range (vorlo) Visible 168°48'-171°48'.
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	43 13	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	52 16	6	White metal tower, cylindrical planking, red upper part; 36.	
12758 C 3769	Väike-Pakri	59° 21.4' N 23° 58.7' E	FI.W. period 6s fl. 0.6s, ec. 5.4s	118 36	7	White metal tower, red rectangular daymark, white banded, on 4 sides; 52.	
12764 C 3774	Pakri neem	59° 23.2' N 24° 02.3' E	F.L.FI.W. period 15s fl. 5s, ec. 10s	240 73	12	Red cylindrical masonry tower, gallery, lantern; 171.	Visible 11°-243°.
12764.2 C 3775.4	Paldiski Pohjasadam, W. mole	59° 21.0' N 24° 02.9' E	FI.W.R. period 2s fl. 0.4s, ec. 1.6s	20 6	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° 03.1' E	FI.G. period 3s fl. 1s, ec. 2s	26 8	1	Green cylindrical metal; 15.	Visible 0°-120°.
12764.4 C 3775.3	Oil pier	59° 19.9' N 24° 04.8' E	FI.(2)W. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	33 10	2	Grey metal mast, orange truncated pyramid daymark; 19.	
12764.5 C 3775	South Harbor Range, front	59° 19.9' N 24° 05.6' E	Q.R.	49 15	2	Cylindrical metal, white rectangular daymark, black stripe; 35.	Visible 73°42'-76°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	2	Cylindrical metal, white rectangular daymark, black stripe; 34.	Visible 73°42'-76°42'.
12765 C 3778	Madise Range, front	59° 17.7' N 24° 07.0' E	Iso.W. period 2s	85 26	7	Metal framework tower, white rectangular daymark, black stripe; 69.	Visible 95°-135° (5M), Visible -145° (7M), Visible -185° (5M).
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	8	Building, steeple, lantern; 115.	Visible 135°-145°.
12766 C 3783	Lohusalu Range, front	59° 24.2' N 24° 12.3' E	Iso.R. period 2s	16 5	6	White metal post, white rectangular daymark, red stripe; 10.	Visible 231°48'-234°48' Shown May 1 to Nov. 1.
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	6	White metal post, white rectangular daymark, red stripe; 16.	Visible 231°48'-234°48' Shown May 1 to Nov. 1.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ESTONIA-GULF OF FINLAND							
12767 C 3786	Suurupi Range, front	59° 28.3' N 24° 25.0' E	Iso.W. period 3s	66 20	11	White truncated pyramidal wooden structure; 52.	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. 1.5s	213 65	12	White round masonry tower, balcony, black lantern; 76.	Visible INTENSIFIED250°30'- 242°30'.
12772 C 3790	Naissaar, on Virbi Ots	59° 36.2' N 24° 30.6' E	F.L.FI.W. period 10s fl. 3s, ec. 7s	157 48	12	White octagonal concrete tower, red top, balcony, lantern; 148.	Visible 25°-335°.
12776 C 3794	Hulkari Ots	59° 32.5' N 24° 33.8' E	FI.W. period 6s fl. 1s, ec. 5s	66 20	6	Square latticed tower, balcony, white planking on 4 sides; 48.	
12779 C 3795	Kakumae Harbor	59° 27.1' N 24° 36.5' E	FI.(2)G. period 4s fl. 0.5s, ec. 1s fl. 0.5s, ec. 2s	16 5	2	Green cylindrical metal; 10.	
12780 C 3792	--E. side, harbor	59° 33.4' N 24° 33.0' E	FI.W.R.W. period 2s fl. 0.3s, ec. 1.7s	33 10	5	White round concrete tower; 25.	W. 170°-197°, R. -255°, W. - 328°.
12780.1 C 3792.5	--Breakwater, head	59° 33.4' N 24° 33.2' E	FI.G. period 2s fl. 0.5s, ec. 1.5s	23 7	2	Green cylindrical metal, balcony; 16.	
KOPLI LAHT:							
12781 C 3799	-Kopli entrance Range, front	59° 26.1' N 24° 40.8' E	Iso.R. period 4s	39 12	7	Red round metal post, white shields on sides, grey lower part; 37.	Visible 127°-139°.
12781.1 C 3799.1	--Rear, 410 meters 133° from front	59° 26.0' N 24° 41.1' E	Iso.R. period 4s	62 19	7	Metal framework tower, white rectangular daymark, red stripe; 47.	Visible 127°-139°.
12782 C 38	-Vene~Balti, N. mole	59° 27.4' N 24° 39.4' E	Q.W.	39 12	7	Grey square tower, brick; 13.	
12783 C 3800.4	-Piirivalvesadam, breakwater, NW. end	59° 27.3' N 24° 39.5' E	FI.R. period 3s fl. 0.5s, ec. 2.5s	30 9	4	Orange metal column; 12.	
12783.1 C 3800.6	--SE. end	59° 27.3' N 24° 39.6' E	FI.R. period 4s fl. 0.5s, ec. 3.5s	30 9	4	Orange metal column; 11.	
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; 12.	
TALLINN:							
12784 C 3842	-Tallinnamadal	59° 42.7' N 24° 43.9' E	F.FI.(2)W. period 15s fl. 1s, ec. 1s fl. 1s, ec. 12s	98 30	10	Red round metal tower, yellow top, black base, 3 galleries, lantern; 102.	
RACON					5		(3 cm).
12788 C 3806	-Aegna, on reef	59° 36.0' N 24° 43.8' E	FI.W.R. period 4s fl. 0.5s, ec. 3.5s	46 14	6	Red metal post, yellow rectangular daymark; 41.	R. 53°30'-101°, W. -53°30'.
12790 C 3808	-Aegna Harbor pier, head	59° 34.3' N 24° 45.5' E	FI.W.R.G. period 4s fl. 1s, ec. 3s	23 7	W. 2 R. 1 G. 2	Orange round metal tower; 16.	G. 288°-301°, R. -0°, W. -56° Shown Apr. 15 to Jan. 20.
12793 C 3805	-Vahemadal	59° 30.6' N 24° 40.0' E	F.FI.R. period 10s fl. 1s, ec. 9s	46 14	6	Red octagonal, pyramidal structure, white upper part; 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	161 49	W. 12 G. 6	Red conical tower, on house; 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	266 81	12	White round masonry tower, black top, balcony, lantern; 132.	Visible 139°-154°30' (6M), Visible -163°30' (12M), Visible -187°30' (6M).
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 81°36'-85°36'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ESTONIA-GULF OF FINLAND							
12808 C 3804.1	--Rear, 1,407 meters 083°36' from front	59° 31.0' N 24° 50.4' E	Iso.W. period 3s	220 67	13	Red round concrete tower, balcony, lantern; 44.	Visible 81°36' -85°36' Synchronized with front.
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	23 7	3	Green metal structure; 13.	
12814 C 3815.5	--Cruise Quay	59° 27.1' N 24° 45.8' E	Fl.W. period 3s fl. 1s, ec. 2s	23 7	3	Orange concrete cylinder; 13.	
12815 C 3816	--Cruise Quay No 2	59° 27.2' N 24° 45.9' E	Oc.W. period 2s lt. 1.5s, ec. 0.5s	23 7	3	Orange concrete cylinder; 13.	
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; 13.	
12860 C 3834	-Hundipea Harbor, NW. breakwater, head	59° 27.6' N 24° 43.1' E	Fl.W. period 7s fl. 1s, ec. 6s	20 6	2	Orange metal column, concrete base, lantern; 14.	
12864 C 3837	-Pajjassaare Harbor, Entrance Range, front	59° 27.4' N 24° 42.2' E	Iso.R. period 6s	95 29	3	Metal framework tower, white diamond (rhombus) daymark, red stripe; 81.	Visible 245°6' -253°6'.
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 (rhombus) daymark, red stripe; 111.	Visible 245°6' -253°6'.
12869 C 3822	-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 C 3822.2	--W. mole	59° 27.3' N 24° 44.1' E	Fl.G. period 3s fl. 1s, ec. 2s	23 7	2	Green metal column; 12.	
12871 C 3840.8	-Pirita Harbor Range, front	59° 28.1' N 24° 49.2' E	Iso.R. period 2s	36 11	5	Orange round concrete tower, 3 white balconies; 33.	Visible 134°42' -137°42'.
12871.1 C 3840.81	--Rear, 400 meters 136°12' from front	59° 28.0' N 24° 49.5' E	Iso.R. period 4s	98 30	5	White square concrete tower; 87.	Visible 134°42' -137°42'.
12873 C 3841.84	-N. basin	59° 29.9' N 24° 48.6' E	Fl.W. period 3s fl. 1s, ec. 2s	26 8	3	Red cylindrical metal; 16.	
12874 C 3841.9	-Miiduranna Harbor, Entrance Range, front	59° 30.0' N 24° 48.9' E	Fl.G. period 3s	43 13	2	Building, yellow rectangular daymark, black stripe; 34.	Visible 41°-50°36'.
12874.1 C 3841.91	--Rear, 110 meters 044°24' from front	59° 30.0' N 24° 49.0' E	Oc.G. period 5s lt. 3s, ec. 2s	59 18	2	Building, yellow rectangular daymark, black stripe; 44.	Visible 36°36' -51°24'.
12876 C 3841	-S. mole, head	59° 28.2' N 24° 49.1' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	20 6	1	Green cylindrical metal; 17.	Shown May 1 to Nov. 1.
12876.5 C 3841.2	-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 cylindrical metal; 17.	Shown May 1 to Nov. 1.
12878 C 3841.6	-Miiduranna Approach, dolphins	59° 29.7' N 24° 48.0' E	Fl.(3)R. period 4.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 2s	30 9	2	Red metal column; 8.	
12879 C 3841.8	--Miiduranna Harbor. S. basin. Pier, head	59° 29.9' N 24° 48.9' E	Q.R.	23 7	3	White metal column; 14.	
12879.01 C 3805.7	Rohuneeme Range, front	59° 33.5' N 24° 47.6' E	Oc.R. period 3s lt. 2.5s, ec. 0.5s	16 5	2	Red metal post, black stripe, white trapezium daymark; 10.	Visible 133°42' -139°42'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ESTONIA-GULF OF FINLAND							
12879.02 C 3805.71	-Rear, 92 meters from front	59° 33.5' N 24° 47.6' E	Oc.R. period 3s lt. 2.5s, ec. 0.5s	26 8	2	Red metal post, black stripe, white trapezium daymark; 19.	Visible 133°42'-139°42'.
12879.03 C 3805.5	-Pierhead	59° 33.6' N 24° 47.5' E	Fl.G. period 3s fl. 1s, ec. 2s	16 5	3	Green metal post; 9.	
12879.031 C 3850.6	Kelvingi Harbor, N. mole	59° 33.4' N 24° 50.3' E	F.G.	10 3	2	Green metal column; 6.	Shown May 1 to Nov. 1.
12879.032 C 3850.7	-S. mole	59° 33.4' N 24° 50.3' E	F.R.	13 4	2	Red metal column; 6.	Shown May 1 to Nov. 1.
12879.04 C 3851.1	-Leppneeme Harbor, Entrance Range, front.	59° 33.1' N 24° 52.1' E	Q.W.	20 6	2	Metal column, red rectangular daymark, white stripe; 16.	Visible 224°6'-228°6'.
12879.05 C 3851.11	--Rear, 87 meters from front	59° 33.0' N 24° 52.0' E	Oc.W. period 3s	39 12	2	Metal column, red rectangular daymark, white stripe; 32.	Visible 224°6'-228°6'.
12879.06 C 3851.13	-Pier	59° 33.1' N 24° 52.1' E	Fl.R. period 3s fl. 1s, ec. 2s	16 5	2	Red metal column; 10.	
12879.07	-N. mole	59° 33.2' N 24° 52.2' E	Fl.G. period 3s		2		
TALLINN:							
12879.1 C 3854	-Muuga Range, front	59° 29.6' N 24° 56.6' E	Oc.R. period 5s lt. 3s, ec. 2s	131 40	10	White round metal tower, black rectangular shields on sides; 114.	Visible 214°48'-220°48'.
12879.2 C 3854.1	--Rear, 500 meters from front	59° 29.4' N 24° 56.2' E	Oc.R. period 5s lt. 3s, ec. 2s	194 59	10	White round metal tower, black rectangular shields on sides; 164.	Visible 214°48'-220°48'.
12879.23 C 3854.45	--Quay No 16	59° 29.6' N 24° 57.9' E	Fl.(5)Y. period 10s	26 8	3	Orange metal mast, with truncated pyramid in center of mast; 10.	
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 mast, with truncated pyramid in center of mast; 9.	
12879.26 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	16 5	2	Orange metal post, orange trapezium daymark, black stripe; 10.	Visible 74°12'-84°12'.
12879.26 C 3805.25	--Rear, 143 meters from front	59° 33.5' N 24° 47.7' E	Oc.R. period 2s lt. 1.5s, ec. 0.5s	33 10	2	Orange metal post, orange trapezium daymark black stripe; 22.	Visible 74°12'-84°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 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, black planking on 4 sides; 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.FI.W.R.G. period 10s	56 17	6	Red round metal tower, white upper part, two red balconies; 49.	G. 252°36'-257°36', W. -262°36', R. -267°36', W. -252°36'.
PRANGLI SAAR:							
12888 C 3851.4	-Koljunuki Harbor, E. mole	59° 30.3' N 25° 05.5' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	13 4	3	Metal structure, white planking on 4 sides; 8.	Visible 135°-315° Shown May 1 to Nov. 1.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ESTONIA-GULF OF FINLAND							
12896 C 3844	Keri	59° 41.9' N 25° 01.4' E	F.L.FI.W. period 15s fl. 2s, ec. 13s	108 33	11	Red metal tower, on high brick base, balcony, lantern; 113.	
12900.5 C 3850.5	Aksi	59° 35.7' N 25° 05.9' E	FI.G. period 3s fl. 1s, ec. 2s	72 22	6	Black round metal tower, 3 white cylinders on top; 49.	
12908 C 3860	Juminda Nina	59° 38.8' N 25° 30.6' E	L.FI.(2)W. period 15s fl. 3s, ec. 2s fl. 3s, ec. 7s	121 37	12	White round concrete tower, red top, two balconies, lantern; 96.	
12912 C 3868	Mohni Saar	59° 41.0' N 25° 47.7' E	F.L.FI.W. period 20s fl. 4s, ec. 16s	112 34	10	Red round masonry tower, balcony, tower; 86.	
VERGI:							
12920 C 3872	-Kaupa Island	59° 36.1' N 26° 06.0' E	FI.W.R.G. period 3s fl. 0.5s, ec. 2.5s	36 11	7	White round concrete tower, balcony, lantern; 32.	G. 120°-167°, W. -267°, R. -356°, W. -3°.
12924 C 3874	Vainupaa	59° 35.1' N 26° 15.9' E	FI.W. period 6s fl. 1s, ec. 5s	79 24	7	Metal framework tower, planking on three sides, white rectangular daymark; 66.	
12928 C 3876	Vaindloo	59° 49.0' N 26° 21.6' E	F.FI.W.R. period 15s fl. 1s, ec. 14s	69 21	11	White conical metal tower, balcony, lantern; 56.	W. 65°-319°, R. -65°.
12935 C 3877	Uhtju	59° 40.6' N 26° 30.7' E	FI.W. period 4s	59 18	6	Grey round metal tower, red upper part, grey cylinder (can) daymark; 43.	
KUNDA LAHT							
12936 C 3878	-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; 27.	Visible 160°6'-163°6'.
12936.1 C 3878.1	--Rear, 920 meters 161°36' from front	59° 30.6' N 26° 33.7' E	Oc.W. period 6s lt. 4s, ec. 2s	85 26	10	Yellow metal post, white rectangular daymark, red stripe; 58.	Visible 160°6'-163°6'.
12940 C 3884	Letipea Neem, on extremity	59° 33.1' N 26° 36.4' E	FI.(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 C 3888	Moldova	59° 25.9' N 27° 03.3' E	FI.W. period 3s fl. 1s, ec. 2s	187 57	12	White square metal framework tower, black top, planking on 3 sides; 92.	
12948 C 3890	Valaste	59° 26.7' N 27° 21.9' E	FI.W. period 2s fl. 0.3s, ec. 1.7s	240 73	7	White metal mast, orange banded; 164.	
12952 C 3892	Sillamae Harbor, oil pier	59° 25.6' N 27° 44.4' E	Iso.W. period 2s	56 17	6	Metal framework tower; 99.	
VERGI:							
12952.5 C 3892.4	-W. mole	59° 25.4' N 27° 43.6' E	Q.G.	26 8	3	Green concrete column; 4.	
12953 C 3892.5	-E. mole	59° 25.4' N 27° 44.6' E	FI.(2)G. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	26 8	3	Green concrete column, yellow balcony; 4.	
12956 C 3894	-Narva-Joesuu entrance	59° 28.1' N 28° 02.4' E	L.FI.(2)W. period 12s fl. 2s, ec. 3s fl. 2s, ec. 5s	118 36	15	White round concrete tower, red banded, black balcony, lantern; 99.	
12957 C 3897	--Narva-Joesuu Range, front	59° 27.8' N 28° 02.9' E	Iso.R. period 2s	33 10	1	Black triangle point up on white rectangular daymark.	Visible 157°-167°.
12957.1 C 3897.1	--Rear, 90 meters 162° from front	59° 27.7' N 28° 02.9' E	Iso.R. period 4s	52 16	1	Black triangle point down on white rectangular daymark.	Visible 157°-167°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
RUSSIA-GULF OF FINLAND							
12960 C 3938	Ostrov Bol'shoy-Tyuters	59° 51.3' N 27° 11.2' E	Mo.(A)W. period 14s	246 75	20	Red hexagonal tower, brick; 79.	Reserve light Fl.W. 4s 7M.
12964 C 3940	Vigrund	59° 46.6' N 27° 43.8' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	72 22	7	Red quadrilateral latticed tower, wooden stripes and platform; 66.	
12972 C 3918	Kaybolovo	59° 44.4' N 28° 01.8' E	Iso.W. period 8s	200 61	18	White quadrilateral latticed tower; 121.	Reserve light range 8M.
12980 C 3962	Rif Ostrovnoy	59° 56.0' N 27° 59.0' E	Fl.R. period 2s fl. 0.5s, ec. 1.5s	26 8	3	Red quadrilateral latticed beacon, on base; 20.	Shown May 15 to Jan. 15.
LUZHSKAYA GUBA:							
12984 C 3976	-Mys Pikhliisar, W. side of bay	59° 47.2' N 28° 10.3' E	Fl.W. period 4s fl. 1s, ec. 3s	95 29	7	Red quadrilateral latticed tower, white rectangular daymark; 82.	
12985 C 3977	-Mys Luto	59° 42.7' N 28° 13.5' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	82 25	5	Red quadrilateral latticed tower, white rectangular daymark, black stripe; 69.	
12986 C 3981	-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	Triangular latticed tower, red rectangular daymark, white stripe; 66.	
12987 C 3981.1	--Rear, 778 meters 164°06' from front	59° 39.8' N 28° 25.3' E	Oc.R. period 3s fl. 2.5s, ec. 0.5s	154 47	11	Triangular latticed tower, red rectangular daymark, white stripe; 115.	
12987.8 C 3982.1	-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	Latticed tower, white rectangular panel, black stripe; 138.	
12987.81 C 3982.2	--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	Latticed tower, white rectangular panel, black stripe; 220.	
12988 C 3986	-Gorki	59° 48.0' N 28° 29.8' E	Iso.W. period 6s	509 155	25	Red quadrilateral latticed tower; 49.	Reserve light range 7M.
12992 C 3988	Mys Kolgampya Range, near N. extremity, front	59° 50.9' N 28° 32.7' E	Q.W.	79 24	7	Red quadrilateral latticed tower, white rectangular daymark, black stripe; 69.	
12996 C 3988.1	-Rear, 1,189 meters 190° from front	59° 50.3' N 28° 32.5' E	Iso.W. period 4s	105 32	10	Quadrilateral, truncated pyramid, white trapezium daymark; 46.	Visible in line of range (vorlo)
13004 C 4004	Mys Shepelevskiy	59° 59.1' N 29° 07.6' E	L.FI.(2)W.R. period 16s fl. 4s, ec. 2s fl. 4s, ec. 6s	121 37	14	White round tower, red banded; 118.	R. 53°-100°, W. -265°, R. - 280° Reserve light 10s 8M.
13008 C 4006	Krasnaya Gorka	59° 58.1' N 29° 22.7' E	Iso.W. period 3s	197 60	15	Red quadrilateral framework tower, white stripe; 125.	Reserve light range 8M.
13012 C 4010	Tolbukhin	60° 02.5' N 29° 32.5' E	L.FI.W. period 12s fl. 3s, ec. 9s	95 29	16	White round tower, and building; 98.	Reserve light range 10M.
13020 C 4036	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 in line of range (vorlo) Shown 24 hours.
13020.1 C 4036.1	-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 in line of range (vorlo)
13020.2 C 4036.2	-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; 82.	Visible in line of range (vorlo)
OSTROV KOTLIN:							
13021 C 4011	-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 banded; 33.	
13021.1 C 4011.2	-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 banded; 33.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
RUSSIA-GULF OF FINLAND							
13022 C 4011.4	-S. mole, E. side	59° 59.3' N 29° 42.0' E	FI.(2)G. period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	46 14	5	Green round tower, white banded; 33.	
13022.1 C 4011.6	-N. mole, E. side	59° 59.5' N 29° 42.2' E	FI.(2)R. period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	46 14	5	Red round tower, white banded; 33.	
KRONSHADT:							
13024 C 402	-Kabotazhnaya Gavan Range, front	59° 59.0' N 29° 44.9' E	FI.R. period 2.5s fl. 0.5s, ec. 2s	52 16	6	Quadrilateral latticed tower, white trapezium daymark, black stripe; 49.	Visible in line of range (vorlo) Shown 24 hours.
13024.1 C 4020.1	--Rear, 760 meters 091°12' from front	59° 59.0' N 29° 45.7' E	Q.R.	102 31	6	Quadrilateral latticed tower, red trapezium daymark, black stripe; 95.	Visible in line of range (vorlo)
13028 C 403	-Pverekhodnive Range, front	59° 58.9' N 29° 45.5' E	Iso.R. period 2s	33 10	3	Red pyramid structure, red trapezium daymark, black stripe; 23.	Visible in line of range (vorlo) Shown 24 hours.
13028.1 C 4030.1	--Rear, 120 meters 315°06' from front	59° 59.0' N 29° 45.4' E	Iso.R. period 2s	46 14	3	Truncated pyramidal structure, red trapezium daymark, black stripe; 36.	Visible in line of range (vorlo). Synchronized with front.
13032 C 4014	-Ostrov Kronshlot, N. extremity	59° 58.8' N 29° 44.9' E	FI.W. period 4s fl. 1s, ec. 3s	23 7	1	Red round structure, on base; 10.	
13036 C 4042	-Voyennaya Gavan Naval Harbor	59° 58.2' N 29° 47.1' E	Iso.W. period 4s	46 14	3	Red round latticed tower; 39.	Visible 218°-150°.
13040 C 4012.1	-Lomonosovskogo	59° 58.3' N 29° 47.3' E	F.G.	171 52	4	Grey octagonal tower; 177.	Visible 3°-8°.
13044 C 4042.2	-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 in line of range (vorlo) Occasional.
13044.1 C 4042.21	--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 in line of range (vorlo)
13045 C 4077.9	Aleksandrovsкая inner breakwater, W. mole	60° 01.4' N 29° 50.0' E	FI.(2)G. period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	39 12	5	Green tower, white banded; 26.	
13045.1 C 4077.8	-E. mole	60° 01.4' N 29° 50.2' E	FI.(2)R. period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	39 12	5	Green tower, white banded; 26.	
13045.2 C 4078.2	Aleksandrovsкая outer breakwater, W. mole	60° 01.7' N 29° 49.8' E	FI.(2)G. period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	46 14	5	Green tower, white banded; 26.	
13045.3 C 4078	-E. mole	60° 01.7' N 29° 50.0' E	FI.(2)R. period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	46 14	5	Red round tower, white banded; 26.	
MORSKOY KANAL:							
13048 C 4059	-Morskoy Kanal Range, front	59° 58.1' N 29° 46.0' E	FI.R. period 1.5s fl. 0.5s, ec. 1s	62 19	12	Grey octagonal tower, white stripe; 66.	Visible in line of range (vorlo) Shown 24 hours.
13048.1 C 4059.1	--Rear, about 2.2 km. 291°54' from front	59° 58.5' N 29° 43.9' E	L.FI.R. period 6s fl. 2s, ec. 4s	131 40	13	Grey octagonal tower, black and white banded; 135.	Visible in line of range (vorlo) Reserve light Q.W. 8M.
13052 C 4047	-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 in line of range (vorlo) Reserve light Q.R. 3M.
13052.1 C 4047.1	--Rear, 530 meters 185°54' from front	59° 55.3' N 29° 46.7' E	F.R.	98 30	3	Post, red trapezium daymark, white stripe; 92.	Visible in line of range (vorlo) 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 C 4047.5	-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 C 4048	-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 (rhombus) daymark, black stripe; 26.	Visible in line of range (vorlo) Shown Apr. 20 to Dec. 1.
13054.1 C 4048.1	--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	Quadrilateral latticed tower, white rectangular daymark, black stripe; 59.	Visible in line of range (vorlo) Synchronized with front.
13056 C 405	-Petrodvorets Range, common front	59° 53.5' N 29° 54.9' E	Q.W.	20 6	5	White beacon, red stripe; 13.	
13056.1 C 4051	--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 quadrilateral latticed tower, white rectangular daymark, black stripe; 59.	Visible in line of range (vorlo) Shown Apr. 24 to Nov. 10.
13056.2 C 4052	--Rear, 495 meters 182°06' from front	59° 53.3' N 29° 54.9' E	Iso.W. period 3s	39 12	5	White tower, red stripe, multi- sided, red top; 39.	Visible in line of range (vorlo) Shown Apr. 24 to Nov. 10.
13058 C 4063	-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 in line of range (vorlo) Shown May 15 to Nov. 15.
13058.1 C 4063.01	--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 in line of range (vorlo) Synchronized with front. Shown May 15 to Nov. 15.
13059 C 4063.6	-Vodokanala	59° 51.5' N 30° 06.4' E	Iso.R. period 4s		3		Visible 154°-214°.
13060 C 406	-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 banded, red base; 30.	
13060.1 C 4061	-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 banded, black base; 30.	
13062 C 4062	-Lesnoy Mol Range, front	59° 53.0' N 30° 11.1' E	Oc.R. period 3s lt. 2s, ec. 1s	69 21	10	Quadrilateral metal tower, red rectangular daymarks, black stripe; 58.	Visible in line of range (vorlo)
13062.1 C 4062.05	--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 quadrilateral latticed tower; 79.	Visible in line of range (vorlo)
13062.2 C 4062.2	--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 banded, orange stripe; 239.	Visible in line of range (vorlo)
SANKT-PETERBURG HARBOR:							
13064 C 4064	-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 banded; 16.	
13065 C 4065	-Bol'shaya Turukhtannaya Gavan	59° 52.4' N 30° 12.6' E	Iso.G. period 6s	30 9	3	Green round metal tower, white banded; 16.	
13066 C 4069	-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 banded; 20.	
13068 C 4070	--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 banded; 20.	
13069 C 4072.5	-Poluostrov Gladkiy	59° 53.0' N 30° 13.5' E	Iso.G. period 4s	30 9	3	Green round metal tower, white banded; 16.	
13070 C 4074	-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 banded; 16.	
13071 C 4075.15	-Tamozhennaya	59° 54.9' N 30° 15.4' E	F.W.R.G.	82 25	10	Quadrilateral tower, orange rectangular daymark, black stripe; 39.	R. 122°54'-131°6', W. - 134°30', G. -142°54' Shown 24 hours.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
RUSSIA-GULF OF FINLAND							
13072 C 4074.2	-Korabelnyy Kanal	59° 54.8' N 30° 14.3' E	Dir.F.W.R.G.	223 68	W. 12 R. 6 G. 6	Red round tower, white banded; 39.	G. 113°42'-115°12', W. -115°48', R. -117°12' Shown Apr. 20 to Dec. 1.
13073 C 4076	-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 banded; 16.	
13074 C 4076.2	-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 banded; 20.	
PASSAZHIRSKIY PORT:							
13076 C 4076.61	-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 in line of range (vorlo)
13076.1 C 4076.611	--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 C 4076.5	-Ostrov Krestovskiy Range, front	59° 58.2' N 30° 13.2' E	F.R.	46 14	11	White round tower, red stripe; 39.	Visible in line of range (vorlo) Visible 065°-066°. Shown Apr. 25 to Dec. 1. Reserve light Fl.R. 2s 2M.
13077.1 C 4076.51	--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 in line of range (vorlo) Visible 065°-066°. Reserve light Fl.R. 3s 2M.
13077.5 C 4076.45	-Podkhodnogo Kanala Range, front	59° 57.2' N 30° 07.5' E	Iso.G. period 6s		3		Visible in line of range (vorlo) Shown Apr. 25 to Dec. 1.
13077.51 C 4076.451	--Rear, 500 meters 281°12' from front	59° 57.3' N 30° 07.0' E	Iso.G. period 6s		4		Visible in line of range (vorlo)
PASSAZHIRSKIY PORT:							
13078 C 4076.43	-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 banded; 36.	
13078.1 C 4076.44	-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 banded; 36.	
13079 C 4076.7	-Lakhtinskiy Gaven Range, front	59° 59.2' N 30° 11.2' E	Q.R.	43 13	2	Black structure, red trapezium daymark, black stripe; 26.	Visible 14°18'-15°18' Shown Apr. 20 to Dec. 1. Reserve light Fl.R. 3s 2M.
13079.1 C 4076.71	--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 14°18'-15°18' Reserve light Fl.R. 4s 2M.
13080 C 5584	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	154 47	21	White round concrete tower, red banded, balcony; 92.	Reserve light L.Fl.W. 5s 7M.
13081 C 5586	-Mys Flotskiy	60° 10.0' N 29° 09.0' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	79 24	7	Red quadrilateral latticed tower, white rectangular daymark; 66.	
13084 C 5582	Kyurenniyemi	60° 16.0' N 28° 55.0' E	Fl.W. period 3s fl. 1s, ec. 2s	82 25	7	Red quadrilateral latticed tower, white trapezium daymark, black stripe; 69.	Visible in line of range (vorlo)
13085 C 5569	-Range, front	60° 17.5' N 28° 51.0' E	Fl.W. period 1.5s fl. 0.5s, ec. 1s	95 29	10	Red structure, white stripe, on round tower; 82.	Visible in line of range (vorlo) Shown 24 hours.
13086 C 5569.1	--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 structure, white stripe, on round tower; 82.	Visible in line of range (vorlo)
13088 C 5568	Ostrov Syarkkyluoto	60° 18.0' N 28° 48.0' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	49 15	3	Quadrilateral tower, white rectangular daymark, black banded; 39.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
RUSSIA-GULF OF FINLAND							
13092 C 5567	Ostrov Dlinnoberezhnyy	60° 18.0' N 28° 43.0' E	FI.W.R.G. period 2s fl. 0.5s, ec. 1.5s	20 6	W. 7 R. 4 G. 2	Red quadrilateral tower, white 9 sided lantern.	G. 134°-139°, W. -275°, R. - 280°, G. -285°, W. -316°, R. -344°.
13097.1 C 5562.28	-Prichalnyy No 5	60° 19.1' N 28° 43.9' E	Iso.G. period 2s	36 11	3	Green column, white banded; 26.	
13097.2 C 5562.29	--No 4	60° 19.3' N 28° 43.9' E	Iso.R. period 2s	36 11	3	Red column, white banded; 26.	
13097.3 C 5562.3	--No 6	60° 19.6' N 28° 43.9' E	L.FI.R. period 7s fl. 3s, ec. 4s	26 8	3	Red column; 16.	
13100 C 5562	Lotsmanskii (Primorsk)	60° 21.0' N 28° 38.0' E	FI.(2)W.R.G. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	89 27	W. 7 R. 4 G. 2	Red latticed beacon, white rectangular daymark, red stripe; 66.	G. 304°-310°, W. -316°, R. - 35°, G. -105°, W. -115°, R. -150°.
13104 C 5500	Ostrov Rondo (Ruonti) Range, front	60° 27.0' N 28° 21.3' E	FI.W.R.G. period 1.5s fl. 0.5s, ec. 1s	46 14	W. 9 R. 6 G. 5	Red latticed beacon, white rectangular daymark, black stripe; 33.	G. 63°-68°, W. -77°, R. -128°, G. -162°, W. -183°, R. - 201°, G. -214°, W. -234°, R. -252°, W. -63°.
13108 C 5500.1	-Rear, 072°42' from front, N. end of Ostrov Severnnyy Berezovyy (Plyasari)	60° 27.8' N 28° 26.4' E	L.FI.W.R.G. period 6s fl. 2s, ec. 4s	128 39	W. 9 R. 4 G. 2	Red latticed beacon, white rectangular daymark, black stripe; 115.	W. 12°-89°, R. -114°, G. - 168°, W. -174°, R. -274°.
VYBORG APPROACH:							
13112 C 5506	-Ostrov Mayachnyy	60° 34.5' N 28° 25.4' E	FI.W.R.G. period 1.5s fl. 0.5s, ec. 1s	59 18	W. 7 R. 4 G. 2	White octagonal tower, red 8 sided lantern; 43.	G. 351°-359°, W. -9°, R. -20°, G. -29°, W. -231°, G. - 249°, W. -255°, R. -270°.
13116 C 5508	-Ostrov Vikhrevov~Saari, SE. point	60° 33.8' N 28° 26.8' E	L.FI.W.R.G. period 6s fl. 2s, ec. 4s	16 5	W. 7 R. 3 G. 2	White octagonal structure, on base; 10.	G. 163°-218°, W. -225°, R. - 260°.
13117 C 5511	-Ostrov Igrivyy Range, front	60° 35.7' N 28° 26.4' E	FI.W. period 1.5s fl. 0.5s, ec. 1s	33 10	9	Red post, white rectangular daymark, red stripe; 20.	Visible in line of range (vorlo)
13118 C 5511.1	--Rear, 450 meters 041° from front	60° 35.8' N 28° 26.7' E	FI.W. period 3s fl. 1s, ec. 2s	59 18	9	Red post, white rectangular daymark, red stripe; 39.	Visible in line of range (vorlo)
13119 C 5513.4	-Detinets~Zapadnyy	60° 35.6' N 28° 32.6' E	FI.(2)R. period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	39 12	3	Red column, black banded, platform; 26.	
13119.1 C 5513.2	-Detinets~Yuzhnyy	60° 35.5' N 28° 33.1' E	FI.R. period 1.5s fl. 0.5s, ec. 1s	30 9	3	Red column, white banded, platform; 17.	
13119.2 C 5513	-Portoflota	60° 35.5' N 28° 33.5' E	FI.(2)G. period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	26 8	3	Green column, white banded, platform; 17.	
13120 C 5514	-Range, front, Banka Khaliviki	60° 36.5' N 28° 31.6' E	FI.Y. period 1.5s fl. 0.5s, ec. 1s	26 8	4	White round beacon, black stripe; 13.	
13124 C 5514.1	--Rear, Mys Ostryy, 926 meters 043°18' from front	60° 36.9' N 28° 32.3' E	Oc.Y. period 3s fl. 2s, ec. 1s	66 20	4	White round tower, black stripe; 52.	
13140 C 5520	-Malyy Vysotskiy, Yuzhnyy Range, front	60° 37.8' N 28° 33.4' E	FI.W. period 1.5s fl. 0.5s, ec. 1s	20 6	5	White round structure, green stripe, white post; 16.	Visible in line of range (vorlo)
13144 C 5520.1	--Rear, 205 meters 005°54' from front	60° 37.9' N 28° 33.5' E	Iso.W. period 2s	30 9	5	White round structure, green stripe, white post; 16.	Visible in line of range (vorlo)
13148 C 5521	-Pinkeli	60° 37.4' N 28° 33.4' E	FI.G. period 2s	30 9	2	Post, on base, green rectangular daymark, white banded; 16.	
13152 C 5524	-Malyy Vysotskiy, Sevemyy Range, front	60° 38.3' N 28° 34.1' E	FI.W. period 1.5s fl. 0.5s, ec. 1s	20 6	4	White round structure, red diamond (rhombus) daymark on white post; 16.	Visible 238°-346°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
RUSSIA-GULF OF FINLAND							
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 (rhombus) daymark on white post; 16.	Visible in line of range (vorlo)
13160 C 5530	-Ostrov Patteri Range, front	60° 38.1' N 28° 34.5' E	Q.W.	43 13	8	White truncated conical structure, red stripe, on white round tower; 36.	Visible in line of range (vorlo)
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 truncated conical structure, red stripe, on white round tower; 52.	Visible in line of range (vorlo) Synchronized with front.
13168 C 5522	-Khumallakhti Range, front	60° 38.5' N 28° 34.5' E	FI.W. period 1.5s fl. 0.5s, ec. 1s	20 6	4	White round structure, green stripe, white post; 16.	Visible in line of range (vorlo)
13172 C 5522.1	--Rear, 154 meters 024°54' from front	60° 38.6' N 28° 34.5' E	FI.W. period 3.5s fl. 1.5s, ec. 2s	46 14	4	White round structure, green stripe, white post; 16.	Visible in line of range (vorlo)
13176 C 5528	-Ityapalu, E. end of channel, N. side	60° 38.5' N 28° 35.1' E	FI.R. period 2s fl. 0.5s, ec. 1.5s	20 6	2	Red round beacon, white banded, base; 10.	
13180 C 5539.4	-Dubovyy	60° 40.2' N 28° 38.8' E	FI.G. period 2s fl. 0.5s, ec. 1.5s	20 6	2	Green column; 10.	Occasional.
13184 C 5539	-Likhaniyemi	60° 40.1' N 28° 39.8' E	FI.W. period 2.5s fl. 0.5s, ec. 2s	26 8	3	White rectangular daymark, red stripe on red post.	Visible 214°24'-34°24'
13188 C 5534	-Malyy Shchit Range, front	60° 41.5' N 28° 40.9' E	FI.W. period 1.5s	46 14	7	Red quadrilateral latticed beacon, white rectangular daymark, black stripe; 33.	Visible in line of range (vorlo)
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, lantern and cupola; 243.	Visible in line of range (vorlo)
13196 C 5536	-Ostrov Ukazatelnyy Range, front	60° 41.0' N 28° 41.4' E	FI.W.R.G. period 1.5s fl. 0.5s, ec. 1s	20 6	W. 3 R. 2 G. 1	White round structure, white square base, red stripe; 16.	W. 50°-63°, R. -90°, 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.	Visible in line of range (vorlo)
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	W. 4 R. 2	Red round structure, white stripe, on red quadrilateral latticed tower; 36.	W. 150°-340°, R. -150°.
13216 C 5542.1	--Ostrov Zashchitnyy, 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 in line of range (vorlo)
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 trapezium daymark; 56.	Visible in line of range (vorlo) Shown Apr. 1 to Dec. 31.
13228 C 5546	-Ostrov Kuposenkivi Range, front	60° 41.6' N 28° 42.4' E	FI.W.R. period 1.5s fl. 0.5s, ec. 1s	20 6	W. 4 R. 3	White round beacon, red stripe; 10.	R. 11°-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 in line of range (vorlo)
13248 C 5552.4	-Ostrov Kuposensari Range, front	60° 41.3' N 28° 42.6' E	Iso.R. period 2s	23 7	2	White beacon, white rectangular daymark, black stripe; 16.	Visible in line of range (vorlo)
13252 C 5552.41	--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 in line of range (vorlo)
13254 C 5553	-Pier head Range, common front	60° 42.7' N 28° 43.2' E	F.R.	23 7	1	Black beacon, white top; 7.	Visible in line of range (vorlo)
13254.1 C 5553.1	--Rear, 620 meters 350°48' from front	60° 43.0' N 28° 43.1' E	Oc.R. period 3s lt. 2s, ec. 1s	33 10	2	White quadrilateral structure, black stripe; 7.	Visible in line of range (vorlo) Shown Apr. 30 to Dec. 15.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
RUSSIA-GULF OF FINLAND							
13254.2 C 5552.9	--Rear, 110 meters from front	60° 42.7' N 28° 43.3' E	F.R.	30 9	1	White round post, platform; 20.	Visible in line of range (vorlo) Shown Apr. 30 to Dec. 15.
13256 C 5492	Mys Krestovyy (Ristniemi)	60° 29.6' N 28° 15.8' E	FI.W.R.G. period 3.5s fl. 0.5s, ec. 3s	46 14	W. 7 R. 3 G. 2	White round tower, black banded, on black base; 49.	G. 74°-79°, W. -87°, R. -148°, G. -216°, W. -222°, R. -229°.
13258 C 5505	Vyborgskiy	60° 31.6' N 28° 22.5' E	FI.(2)W. period 8s fl. 1s, ec. 2s fl. 1s, ec. 4s	46 14	10	White octagonal tower, red banded, on base; 33.	Whistle.
13260 C 5490	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 lantern, on base; 20.	G. 251°-278°, W. -310°, R. -345°, G. -18°, W. -45°, R. -82°.
13261 C 5490.1	--Rear, 540 meters from front	60° 30.6' N 28° 10.4' E	Iso.W. period 4s	66 20	8	Red metal tower, white rectangular daymark, black stripe; 56.	
13262 C 5491	--Range, front	60° 32.6' N 28° 09.5' E	FI.W.	62 19	10	Black tetrahedral beacon, white rectangular daymark, black stripe; 49.	Shown from Apr. 25 to Dec. 15.
13263 C 5491.1	--Rear, 730 meters from front	60° 33.0' N 28° 09.0' E	FI.W. period 6s fl. 2s, ec. 4s	98 30	10	Black tetrahedral beacon, white rectangular daymark, black stripe; 66.	Shown Apr. 25 to Dec. 15.
13264 C 5488	Ostrov Malyy Fiskar, SW. point	60° 28.7' N 28° 05.9' E	FI.W.R.G. period 5s fl. 1s, ec. 4s	56 17	W. 6 R. 3 G. 2	White and, red and white quadrilateral framework tower; 46.	G. 240°-255°, W. -257°, R. -278°, G. -350°, W. -68°, R. -93°.
13268 C 5496	Skala Khalli	60° 24.2' N 28° 08.2' E	FI.W. period 4s fl. 1.5s, ec. 2.5s	52 16	9	Red quadrilateral latticed tower, platform, white rectangular daymark; 39.	
13272 C 3946	Ostrov Nerva	60° 14.8' N 27° 57.3' E	FI.W. period 8s fl. 1s, ec. 7s	144 44	18	White and, red and white quadrilateral framework tower, black top; 121.	Reserve light range 14M.
13276 C 3944	Ostrov Mayak	60° 12.4' N 27° 38.5' E	FI.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	174 53	14	Red quadrilateral latticed structure, white banded; 121.	Reserve light Iso.W. 6M.
OSTROV MOSHCHNYIY (LAVENSAARI):							
13280 C 3952	-Bashnya	60° 02.2' N 27° 49.6' E	FI.(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 FI.W. 2s 7M.
RACON							
						Z(- - •)	(3 & 10 cm).
13284 C 3964	Ostrov Malyy	60° 01.6' N 28° 00.5' E	L.FI.W. period 6s fl. 2s, ec. 4s	121 37	7	Red quadrilateral framework tower, white rectangular daymark black stripe, white trapezium daymark on rectangle, red stripe; 89.	
OSTROV LESNOY (SEYSKARI):							
13288 C 3968	NW. point	60° 02.1' N 28° 21.7' E	FI.(2)W. period 30s fl. 1s, ec. 6.5s fl. 1s, ec. 21.5s	98 30	15	Red round tower, white banded; 98.	Visible 15°-330° Reserve light FI.W. 4s 8M.
13292 C 3972	-Pen Kheta--Stor, SE. point of island	60° 00.4' N 28° 24.0' E	FI.(2)W. period 4s fl. 0.5s, ec. 1s fl. 0.5s, ec. 2s	85 26	7	Red quadrilateral latticed tower, white rectangular daymark, black stripe; 79.	Visible 170°-100°.
13296 C 5482	Arhipelag Bol shoy Fiskar, E. island of reefs	60° 24.5' N 27° 56.5' E	FI.(2)W. period 8s fl. 1s, ec. 2s fl. 1s, ec. 4s	72 22	8	White quadrilateral tower; 33.	
13300 C 5476	Khemminginletto	60° 26.8' N 27° 50.4' E	FI.W.R.G. period 3.5s fl. 0.5s, ec. 3s	23 7	W. 5 R. 3 G. 2	White octagonal lantern, on low framework tower; 20.	G. 233°-267°, W. -287°, R. -14°, G. -74°30', W. -78°, R. -98° Shown Apr. 25 to Dec. 15.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
RUSSIA-GULF OF FINLAND							
13301 C 5485	-Ryabinnik Range, front	60° 28.6' N 27° 58.4' E	Iso.W. period 2s	49 15	12	Red metal tower, white rectangular daymark, black stripe; 53.	Visible in line of range (vorlo)
13302 C 5485.1	--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 tower, white rectangular daymark, black stripe; 121.	Visible in line of range (vorlo)
13304 C 5474	Ostrov Kozlinyy (Pukkio)	60° 26.5' N 27° 47.5' E	FI.W.R.G. period 5s	26 8	W. 7 R. 3 G. 1	Latticed tower, white lantern, black stripe; 20.	G. 244°-266°, W. -274°, R. -308°, G. -340°, W. -1°, R. -21°, G. -50°, W. -72°, R. -80°, G. -94°, W. -100°, R. -105° Shown Apr. 25 to Dec. 15.
13308 C 5472	Ostrov Kopytin (Kinnarit) Range, front	60° 25.8' N 27° 42.5' E	Q.W.	72 22	11	Red metal tower, white rectangular daymark, black stripe; 52.	Visible in line of range (vorlo)
13312 C 5472.1	-Rear, 550 meters 263°36' from front	60° 25.8' N 27° 42.0' E	L.FI.W. period 6s fl. 2s, ec. 4s	135 41	12	Red metal framework tower, white rectangular daymark, black stripe; 102.	Visible in line of range (vorlo)
FINLAND-GULF OF FINLAND							
13316 C 5470	Huovari (Huovarinsaari)	60° 23.7' N 27° 42.3' E	FI.W.R.G. period 3s fl. 0.3s, ec. 2.7s	43 13	4	Column, red rectangular daymark.	R. 29°-40°, W. -71°, G. -94°, W. -155°, R. -167° Fishing light. Shown on request.
13320 C 5468	Parrio	60° 27.4' N 27° 42.4' E	FI.(2)W.R.G. period 6s fl. 0.3s, ec. 1.4s fl. 0.3s, ec. 4s	30 9	3	White round tower.	G. 316°-329°, W. -340°, R. -67°, G. -94°, W. -98°, R. -156°.
13324 C 5466.1	Jarviluoto Range, front	60° 28.3' N 27° 38.3' E	Q.W.	30 9	5	Red rectangular daymark yellow stripe.	Visible 307°-315°.
13324.1 C 5466.11	-Rear, 600 meters 311°18' from front	60° 28.5' N 27° 37.8' E	L.FI.W. period 6s fl. 2s, ec. 4s	62 19	6	Red rectangular daymark yellow stripe.	Visible 307°-315°.
13332 C 5465.9	Siikasaari	60° 28.1' N 27° 37.0' E	L.FI.W. period 6s	36 11	6	White rectangular daymark.	Visible 30°30'-36°30'.
13340 C 5465	Pulteri Range, front	60° 27.3' N 27° 34.7' E	Q.W.	13 4	6	Red rectangular daymark yellow stripe.	Visible 260°-268°.
13344 C 5465.1	-Rear, 0.5 miles 263°30' from front	60° 27.3' N 27° 33.8' E	L.FI.W. period 6s fl. 2s, ec. 4s	30 9	6	Red rectangular daymark yellow stripe.	Visible 260°-268°.
13348 C 5464	Mustamaa	60° 25.7' N 27° 32.5' E	Q.W.R.G.	23 7	5	White round tower.	G. 282°-297°, W. -304°, R. -41°, G. -115°, W. -121°30', R. -144°.
13352 C 5456	Lotouri	60° 26.4' N 27° 26.9' E	Q.(2)W.R.G. period 6s	16 5	3	White octagonal tower, concrete base.	G. 67°-84°, W. -88°, R. -140°, G. -184°, W. -258°, G. -274°.
13388 C 5441.3	Vaskonkari	60° 27.5' N 27° 18.9' E	U.Q.(5)G. period 6s	16 5	2	Grey round tower.	
13389 C 5438.6	Kuorsalo Range, front	60° 27.2' N 27° 22.4' E	Iso.W. period 2s	56 17	8	White rectangular daymark red stripe.	Visible 18°-24°.
13392 C 5440	Vasikkaluoto Range, front	60° 26.0' N 27° 20.5' E	Q.W.	23 7	6	Yellow rectangular daymark red stripe.	Visible 260°-264°.
13393 C 5440.1	-Pitkakotka, rear, 1.2 miles 261°48' from front	60° 25.8' N 27° 18.4' E	L.FI.W. period 6s fl. 2s, ec. 4s	49 15	7	Yellow rectangular daymark red stripe.	Visible 260°-264°.
13394 C 5438.8	Houtere Range, front	60° 26.7' N 27° 20.6' E	Q.Y.	49 15	7	Red rectangular daymark yellow stripe.	Visible 118°30'-126°30'. Radar reflector.
13396 C 5438.81	-Rear, 122°42' from front	60° 26.6' N 27° 21.2' E	L.FI.Y. period 6s fl. 2s, ec. 4s	79 24	7	Red rectangular daymark yellow stripe.	Visible 118°30'-126°30'. Radar reflector.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF FINLAND							
13398.2 C 5438.7	Vastari Range, front	60° 24.9' N 27° 23.6' E	Q.W.	43 13	5	Red rectangular daymark yellow stripe.	Visible 136°-142°.
13398.4 C 5438.71	-Rear, 139°06' from front	60° 24.6' N 27° 24.1' E	L.FI.W. period 6s fl. 2s, ec. 4s	79 24	5	Red rectangular daymark yellow stripe.	Visible 136°-142°.
13399.4 C 5438.4	Vatiniki Range, front	60° 24.4' N 27° 18.2' E	Q.Y.	20 6	7	Red rectangular daymark yellow stripe.	Visible 50°-54°.
13399.8 C 5438.41	-Rear, 052°06' from front	60° 24.8' N 27° 19.4' E	L.FI.Y. period 6s fl. 2s, ec. 4s	85 26	7	Red rectangular daymark yellow stripe.	Visible 50°-54°.
13400 C 5438	Velperkari, N. side	60° 22.4' N 27° 16.5' E	U.Q.(5)W. period 6s	26 8	6	White lantern, concrete base.	
13401 C 5438.5	Tammio Range, front	60° 24.3' N 27° 23.8' E	Q.W.	16 5	8	Red rectangular daymark yellow stripe.	Visible 69°-73°.
13401.5 C 5438.51	-Rear, 070°08' 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 69°-73°.
13402 C 5438.58	Sunholma	60° 22.1' N 27° 18.3' E	U.Q.(5)W. period 6s	49 15	7	White lantern, red banded.	Visible 200°-204°.
13404 C 5412	Veitkari	60° 16.0' N 27° 14.4' E	V.Q.(2)W.R.G. period 6s	33 10	8	White lantern, concrete base.	G. 132°-146°, W. -177°, R. - 232°, G. -283°, W. -23°, R. -26°, G. -29°, W. -71°, R. -87°. PILOT STATION. Radar reflector.
	RACON		T(-)		10		(3 cm).
13408 C 5413	Luppi	60° 14.3' N 27° 01.7' E	FI.W.R.G. period 3s fl. 0.5s, ec. 2.5s	26 8	6	Grey round tower.	G. 257°-274°, W. -48°30', R. -74° Fishing light. Shown on request.
13409 C 5411	Haapasaari, E. side	60° 17.4' N 27° 12.1' E	U.Q.(10)Y. period 6s	13 4	3	Grey round tower.	Visible 133°-310°.
13412 C 5410	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. -8°, G. -135°, W. - 142°30', R. -162°.
13413 C 5414	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 C 5414.1	-Vanhankylanmaa Rear, 182°24' 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 C 5414.3	Keskihallankari	60° 19.9' N 27° 11.1' E	L.FI.W. period 6s fl. 2s, ec. 4s	66 20	9	White metal tower, red banded.	Visible 100°-106°. Radar reflector.
13416 C 5415	Suur Musta	60° 27.4' N 27° 09.4' E	FI.W.R.G. period 3s fl. 0.5s, ec. 2.5s	23 7	7	White rectangular daymark black stripe.	G. 36°-79°30', W. -83°, R. - 170°.
13420 C 5396	Vehkaluoto Range, front	60° 27.0' N 27° 06.3' E	Q.W.	26 8	6	Red rectangular daymark yellow stripe.	Visible 112°30'-120°30'.
13424 C 5396.1	-Rear, 365 meters 116°12' 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 C 5416.4	-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 C 5416.41	--Rear, 0.6 mile 160°54' 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 C 5414.4	Lopaskerinluoto Range, front	60° 26.1' N 27° 09.3' E	Q.W.	26 8	8	Yellow rectangular daymark red stripe.	Visible 0°30'-4°30'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF FINLAND							
13425.71 C 5414.41	-Suur Musta, rear, 1.4 miles 002°42' 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 0°30'-4°30'.
13426 C 5415.4	Einan Karinmatala	60° 25.8' N 27° 08.1' E	U.Q.(5)Y. period 6s	43 13	4	White round concrete tower, red banded.	Radar reflector.
13427 C 5418.4	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 C 5418.41	-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	5	Red rectangular daymark yellow stripe.	Visible 194°30'-202°30'.
HAMINA APPROACH:							
13428 C 5420.4	-Kaurakari	60° 30.8' N 27° 10.3' E	U.Q.(5)W. period 6s	16 5	4	White circle daymark.	
13432 C 5418	-Sovinnonmatala	60° 28.6' N 27° 08.4' E	U.Q.(5)W. period 6s	43 13	4	White column, red stripe.	Radar reflector.
13433 C 5416	-Varvio Range, front	60° 28.7' N 27° 09.3' E	Q.W.	46 14	6	Red rectangular daymark yellow stripe.	Visible 10°-14°.
13433.5 C 5416.1	--Rear, 330 meters, 012°01' 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 10°-14°.
13434 C 5417	-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 C 5417.1	--Kuutinki, rear, 1.5 miles, 341°36' from front	60° 30.1' N 27° 05.5' E	L.FI.Y. period 6s fl. 2s, ec. 4s	89 27	8	Red rectangular daymark yellow stripe.	Visible 339°30'-343°30'.
13436 C 5419.2	-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 C 5419.21	--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 C 5417.4	-Matomaa Range, front	60° 30.7' N 27° 06.6' E	Q.W.	26 8	8	Red rectangular daymark yellow stripe.	Visible 339°-343°.
13438.5 C 5417.41	--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	8	Red rectangular daymark yellow stripe.	Visible 339°-343°.
13444 C 5419.3	-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 C 5419.31	--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 C 5419	-Hillonniemi Range, front	60° 31.1' N 27° 09.4' E	Iso.W. period 2s	69 21	15	Red rectangular daymark yellow stripe.	Visible 14°-23°.
13464 C 5419.1	--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 14°-23°. Synchronized with front.
13465 C 5438.9	-Ravaholma Range, front	60° 30.3' N 27° 11.0' E	Q.W.	79 24	8	Red rectangular daymark yellow stripe.	Visible 306°30'-310°30'.
13465.5 C 5438.91	--Rear, 540 meters, 308°24' 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 C 5422	-Norskari	60° 31.8' N 27° 11.4' E	U.Q.(10)W. period 6s	20 6	3	White mast, red banded.	Radar reflector.
13468 C 5420	-Kakarkari Range, front	60° 31.8' N 27° 12.0' E	Q.W.	20 6	5	Yellow rectangular daymark red stripe.	Visible 41°30'-49°30'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF FINLAND							
13472 C 5420.1	--Rear, Nurmilahti, 475 meters 045°48' 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 41°30'-49°30'.
13476 C 5420.8	-Palokangas Range, front	60° 31.7' N 27° 10.0' E	F.G.	39 12	2	Red triangle, point up daymark, white rectangular daymark.	Visible 334°-354°.
13480 C 5420.81	--Rear, 343°54' from front	60° 31.8' N 27° 09.9' E	F.G.	59 18	2	Red triangle, point down daymark, white rectangular daymark.	Visible 334°-354°.
HAMINA:							
13492 C 5428	-Suviluoto	60° 32.3' N 27° 11.6' E	FI.W.R.G. period 3s fl. 0.3s, ec. 2.7s	10 3	5	Yellow rectangular daymark red stripe.	G. 342°-5°30', W. -9°30', R. - 27°, G. -79°18', W. -84°, 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. 88°-150°, W. -155°, R. - 170°.
13500 C 5425	-Syvasatama Laituri Range, front	60° 32.3' N 27° 10.2' E	F.R.	43 13	2	Red triangle, point up daymark, white rectangular daymark.	Visible 264°-300°.
13504 C 5425.1	--Rear, 76 meters 286° from front	60° 32.3' N 27° 10.1' E	F.R.	59 18	2	Red triangle, point down daymark, white rectangular daymark.	Visible 264°-300°.
13514 C 5435	-Nuutiniemi Range, front	60° 33.2' N 27° 10.4' E	F.R.	20 6	1	White triangle, point up daymark, red rectangular daymark.	Visible 236°-256°.
13514.1 C 5435.1	--Rear, about 90 meters 246° from front	60° 33.1' N 27° 10.3' E	F.R.	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	F.G.	36 11	4	Yellow round beacon, black top.	Visible 355°-15°.
13520 C 5430.1	--Rear, 90 meters 007° from front	60° 33.8' N 27° 10.9' E	F.G.	46 14	4	Yellow round beacon, black top.	Visible 355°-15°.
13524 C 5432	-Railway embankment Range, front	60° 33.7' N 27° 11.0' E	F.R.	26 8	2	Yellow round beacon, black top.	Visible 6°-26°.
13528 C 5432.1	--Rear, 256 meters 016° from front	60° 33.8' N 27° 11.0' E	F.R.	52 16	2	Yellow round beacon, black top.	Visible 6°-26°.
13532 C 5434	-Lepikonlinja Range, front	60° 33.7' N 27° 11.7' E	F.G.	30 9	2	White triangle, point up daymark, red circle daymark.	Visible 8°-40°.
13536 C 5434.1	--Rear, 73 meters 023° from front	60° 33.9' N 27° 11.8' E	F.G.	36 11	2	White triangle, point down daymark, red circle daymark.	Visible 8°-40°.
13538 C 5403	-Varissaari Range, front	60° 26.8' N 26° 57.3' E	Q.W.	26 8	4	Red rectangular daymark yellow stripe.	Visible 226°-234°.
13538.5 C 5403.1	--Rear, 260 meters 229°54' from front	60° 26.7' N 26° 57.1' E	L.FI.W. period 6s	39 12	5	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	FI.(2)W. period 15s fl. 1s, ec. 3s fl. 1s, ec. 10s	66 20	15	Red octagonal tower; 62.	Reserve light range 6M.
	RACON		W(* --)		10		(3 cm).
13548 C 3934	Severnny Virgin	59° 56.6' N 26° 51.7' E	FI.W. period 4s fl. 0.5s, ec. 3.5s	39 12	6	Red quadrilateral structure, upright cross daymark two round daymarks; 46.	
OSTROV GOGLAND (SUURKELI):							

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
RUSSIA							
13552 C 5378	-Mys Lounatrivi (Paunat Revi)	60° 00.7' N 27° 00.4' E	FI.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.FI.W. period 7.5s fl. 3s, ec. 4.5s	433 132	26	Red round tower, gallery, white bands; 75.	Visible 348°-324° Reserve light range 10M.
FINLAND-GULF OF FINLAND							
KOTKA APPROACH:							
13560 C 5380	-Kotkan Majakka	60° 10.3' N 26° 39.1' E	FI.(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	75 23	10	Yellow metal column, blue banded.	Helicopter platform.
RACON							
				K(- · -)		11 (3 & 10 cm).	
13561 C 5380.5	-Elo 2	60° 14.2' N 26° 47.7' E	V.Q.W.	43 13	4	N. CARDINAL Black beacon, black topmark, yellow base.	Radar reflector.
13562 C 5380.6	-Kaakoniemi	60° 16.6' N 26° 52.1' E	V.Q.(3)W. period 5s	43 13	4	E. CARDINAL Black beacon, black topmark, yellow banded, black base.	Radar reflector.
13563 C 5381	-Kiviletto	60° 17.6' N 26° 56.9' E	L.FI.W. period 6s fl. 2s, ec. 4s	62 19	9	White metal mast, orange banded.	Visible 53°-57°. Radar reflector.
13564 C 5386	Rankki	60° 21.9' N 26° 58.1' E	FI.(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	7	Black round concrete tower.	G. 225°-30°-290°, W. -295°, R. -48°, G. -96°, W. -101°, R. -127°.
13566 C 5385	-Rankin Kivikari, reef, N. end	60° 21.2' N 26° 57.2' E	U.Q.(5)W. period 6s	36 11	4	White metal post, red banded.	Radar reflector.
RACON							
				T(-)		9 (3 & 10 cm).	
13568 C 5387	-Retonpaasi	60° 21.9' N 27° 00.9' E	U.Q.(5)W. period 6s	43 13	4	Grey post.	Radar reflector.
13569 C 5382	-Harvassaari Range, front	60° 24.7' N 26° 51.7' E	FI.W. period 3s fl. 1s, ec. 2s	46 14	10	Red rectangular daymark yellow stripe.	Visible 352°30'-357°30'.
13569.1 C 5382.1	--Rear, 1.3 miles 354°54' from front	60° 26.0' N 26° 51.4' E	L.FI.W. period 6s	144 44	10	Red rectangular daymark yellow stripe.	Visible 352°30'-357°30' Range 9M by day.
13570 C 5382.5	-Mussalo	60° 25.2' N 26° 54.2' E	Iso.W.R.G. period 2s	30 9	11	Grey triangle, point up daymark.	G. 10°-13°, W. -22°, R. -25° Range 3M by day.
13571 C 5383	-Kukouri Range, front	60° 25.8' N 26° 57.0' E	Q.W.	16 5	8	Red rectangular daymark yellow stripe.	Visible 47°30'-51°30'.
13571.1 C 5383.1	--Rear, 1850 meters 049°30' from front	60° 26.5' N 26° 58.5' E	L.FI.W. period 6s	59 18	9	Red rectangular daymark yellow stripe.	Visible 47°30'-51°30'. Synchronized with front.
13571.3 C 5383.3	-Viikarinsalmi	60° 24.8' N 26° 54.7' E	FI.G. period 3s fl. 0.3s, ec. 2.7s	43 13	4	Green round tower.	Radar reflector.
13580 C 5390	-Hietakari	60° 23.8' N 27° 00.2' E	FI.W.R.G. period 3s fl. 0.3s, ec. 2.7s	16 5	7	White round tower.	G. 339°-355°, W. -14°, R. -102°, G. -115°30', W. -120°, R. -134°.
13584 C 5388	-Lellerinsaaret	60° 24.0' N 26° 58.3' E	FI.(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 C 5392	-Santakari Range, front	60° 26.1' N 26° 58.4' E	Q.Y.	16 5	7	Red rectangular daymark yellow stripe.	Visible 54°-58°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF FINLAND							
13592 C 5392.1	--Rear, Laukkaanniemi, 2.2 km. 055°54' from front	60° 26.8' N 27° 00.4' E	L.FI.Y. period 6s fl. 2s, ec. 4s	75 23	11	Red rectangular daymark yellow stripe.	Visible 52°-60°.
13596 C 5394.4	-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 C 5394.41	--Rear, 174°48' from front	60° 25.5' N 26° 58.7' E	L.FI.W. period 6s	108 33	8	Red rectangular daymark white stripe.	Visible 171°-179°.
13604 C 5394	-Pirkoyri	60° 27.6' N 26° 58.4' E	FI.W.R.G. period 3s fl. 0.3s, ec. 2.7s	23 7	6	White rectangular daymark.	G. 0°-163°, W. -166°, R. -178°. Radar reflector.
13608 C 5394.2	-Pirkoyri Range, front	60° 27.6' N 26° 58.6' E	Q.Y.	46 14	8	Red rectangular daymark yellow stripe.	Visible 14°-22°.
13612 C 5394.21	--Rear, 274 meters 017°42' from front	60° 27.8' N 26° 58.7' E	L.FI.Y. period 6s fl. 2s, ec. 4s	75 23	8	Red rectangular daymark yellow stripe.	Visible 14°-22°. Synchronized with front.
KOTKA:							
13624 C 5397	-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 C 5397.1	--Rear, 280 meters 332°18' from front	60° 29.7' N 26° 56.4' E	L.FI.Y. period 6s	39 12	9	Red rectangular daymark yellow stripe.	Visible 328°-336°.
13632 C 5396.9	-Halla Range, front	60° 28.6' N 26° 58.1' E	Q.W.	43 13	10	Red rectangular daymark yellow stripe.	Visible 351°-359°.
13636 C 5396.91	--Rear, 354°54' from front	60° 28.7' N 26° 58.1' E	L.FI.W. period 6s	66 20	10	Red rectangular daymark yellow stripe.	Visible 351°-359°.
13638 C 5405.6	-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 C 5405.61	--Rear, about 120 meters 296°06' from front	60° 28.9' N 26° 58.3' E	F.Y.	59 18	8	Red rectangular daymark yellow stripe.	Visible 291°30'-301°30'.
13644 C 5392.6	-Patterinmaki Range, front	60° 26.8' N 26° 56.2' E	Q.G.	52 16		Red rectangular daymark yellow stripe.	Visible 356°-4°.
13648 C 5392.61	--Rear, 213 meters 000°24' from front	60° 26.9' N 26° 56.2' E	Iso.G. period 4s	75 23		Red rectangular daymark yellow stripe.	Visible 356°-4°.
13658 C 5390.4	-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 C 5390.41	--Rear, 320°24' from front	60° 26.2' N 26° 55.2' E	L.FI.W. period 6s fl. 2s, ec. 4s	43 13	9	Yellow rectangular daymark red stripe.	Visible 318°-322°.
13660 C 5393.4	-Powerhouse Range, front	60° 26.2' N 26° 54.9' E	F.R.	26 8	4	Red triangle, point up daymark, white rectangular daymark.	Visible 164°-344°.
13660.1 C 5393.41	--Rear, 253°30' from front	60° 26.2' N 26° 54.8' E	F.R.	33 10	4	Red triangle, point down daymark, white rectangular daymark.	Visible 164°-344°.
13672 C 5393	-Oljysatama Range, front	60° 27.0' N 26° 55.9' E	Q.R.	49 15		Yellow rectangular daymark red stripe.	Visible 339°-3°.
13676 C 5393.1	--Rear, 160 meters 351°30' from front	60° 27.1' N 26° 55.9' E	Iso.R. period 4s	72 22		Yellow rectangular daymark red stripe.	Visible 339°-3°.
13688 C 5368	Kaunissaari, N. extremity	60° 22.3' N 26° 45.6' E	FI.W.R.G. period 3s fl. 0.5s, ec. 2.5s	26 8	7	White rectangular daymark.	G. 62°-80°, W. -88°30', R. -116°, G. -143°, W. -241°, R. -300°. Radar reflector.
13692 C 5356	Viikari Range, front	60° 24.4' N 26° 55.4' E	FI.W. period 2s fl. 0.3s, ec. 1.7s	26 8	8	Red rectangular daymark yellow stripe.	Visible 67°-75°.
13696 C 5356.1	-Lehma, rear, 071°18' from front	60° 25.1' N 26° 59.1' E	L.FI.W. period 6s fl. 2s, ec. 4s	121 37	9	Red rectangular daymark yellow stripe.	Visible 69°-73°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF FINLAND							
13700 C 5369	-Verkkoniemi	60° 20.6' N 26° 46.7' E	FI.W.R. period 3s fl. 0.2s, ec. 2.8s	13 4	2	Grey round column.	R. 35°-87°, W. -35° Fishing light. Shown on request.
13704 C 5370	-Keihassalmi Range, front	60° 25.5' N 26° 39.8' E	Q.W.	20 6	5	Red rectangular daymark yellow stripe.	Visible 314°-318°.
13708 C 5370.1	--Rear, 315°42' from front	60° 26.0' N 26° 38.8' E	L.FI.W. period 6s fl. 2s, ec. 4s	49 15	9	Red rectangular daymark yellow stripe.	Visible 312°-320°.
13720 C 5366	Kalliokari	60° 19.1' N 26° 44.7' E	FI.W. period 3s fl. 0.2s, ec. 2.8s	23 7	4	Grey circle daymark.	Fishing light. Shown on request.
13780 C 5349	Lalatta, NE. islet	60° 17.2' N 26° 33.1' E	Q.(2)W.R.G. period 6s	30 9	6	Black round concrete tower.	R. 40°-52°, W. -62°30', G. -150°, W. -152°30', R. -188°, G. -213°, W. -222°, R. -232°. Radar reflector.
13816 C 5324	-Range, front	60° 16.4' N 26° 27.0' E	Q.W.	43 13	13	Red rectangular daymark yellow stripe.	Visible 19°30'-26°30'.
	RACON		T(-)		10		(3 & 10 cm).
13820 C 5324.1	--Rear, 463 meters 023°06' from front	60° 16.6' N 26° 27.1' E	L.FI.W. period 6s	82 25	14	Red rectangular daymark yellow stripe.	Visible 19°30'-26°30'. Synchronized with front.
13824 C 5321	Tainio	60° 12.7' N 26° 24.5' E	V.Q.(5)W. period 6s	56 17	6	White round concrete tower, black top; 56.	Radar reflector.
	RACON		M(- -)		10		(3 & 10 cm).
13828 C 5328	Skarven	60° 17.8' N 26° 20.7' E	FI.W.R.G. period 3s fl. 0.4s, ec. 2.6s	23 7	4	White beacon, black top.	G. 51°-64°, W. -68°30', R. -159°, G. -241°, W. -267°, R. -310°.
	RACON		T(-)		10		(3 cm).
13932 C 5320	Hamnskar, E. side	60° 13.2' N 26° 18.2' E	FI.W.R. period 3s fl. 0.5s, ec. 2.5s	30 9	4	Red round tower.	W. 100°-210°, R. -288°, W. -50°, R. -100° Fishing light. Shown on request.
13936 C 5318	Tiiskeri	60° 09.8' N 26° 15.5' E	FI.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	56 17	9	Black concrete tower, orange top.	Wind generator. Radar reflector.
	RACON		T(-) period 90s		11		(3 & 10 cm).
13940 C 5284	Skarvgadderna	60° 11.0' N 26° 07.6' E	FI.W.R.G. period 2s fl. 0.5s, ec. 1.5s	20 6	6	White concrete tower, black top.	G. 54°-70°, W. -74°, R. -110°, G. -182°, W. -195°, R. -210°. Radar reflector.
	RACON		G(- - ·)		9		(3 & 10 cm).
13958	Gasskvatten Beacon, RACON	60° 11.0' N 26° 03.0' E	T(-) period 30s		10		
14072 C 5268	Aggskar, S. point	60° 12.0' N 25° 45.0' E	FI.W.R.G. period 3s fl. 0.3s, ec. 2.7s	20 6	5	White lantern.	G. 223°-235°, W. -257°, R. -337°, G. -8°, W. -11°30', R. -130°.
14084 C 5239	Kalbadagrund	59° 59.1' N 25° 36.0' E	L.FI.(4)W. period 30s fl. 2s, ec. 3s fl. 2s, ec. 3s fl. 2s, ec. 3s fl. 2s, ec. 13s	89 27	12	Red concrete tower, white stripe; 82.	Visible 195°-180°. Helicopter Platform.
	RACON		K(- · -)		13		(3 & 10 cm).
14086	Jaktgrund Beacon, RACON	59° 59.9' N 25° 33.3' E	T(-) period 90s		10		
14088 C 5239.4	Porvoon Range, front	60° 05.6' N 25° 35.9' E	FI.W.R.G. period 2s fl. 0.5s, ec. 1.5s	33 10	7	Red tower, black banded; 33.	W. 4°-27°, R. -105°, G. -229°, W. -237°, R. -285°, G. -4°.
	RACON		T(-)		9		(3 & 10 cm).

(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. 016° 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 14°-18°.
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 banded.	G. 28°-41°, W. -55°, R. -173°, G. -190°, W. -200°, R. - 231°. Radar reflector.
14112 C 5240	Brunskar Range, front	60° 07.6' N 25° 40.5' E	F.Q.Y.	30 9	6	Red rectangular daymark yellow stripe.	Visible 40°-44°.
14116 C 5240.1	-Rear, 240 meters 042°06' from front	60° 07.7' N 25° 40.8' E	F.FI.W.Y. period 6s fl. 2s, ec. 4s	79 24	W. 6 Y. 7	Red rectangular daymark yellow stripe.	Visible 40°-44°.
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	8	Red rectangular daymark yellow stripe.	W. 49°-154°, G. -226°, W. - 230°, R. -243°.
14228 C 5227.1	-Rear, Graskar, N. point, 074°12' 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 72°-76°.
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 banded.	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. 43°-59°, W. -61°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	4	S. CARDINAL Yellow beacon, black topmark, black base.	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 77°-85°.
14332 C 5223.1	-Rear, 080°24' 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 77°-77°.
14336 C 5222	Svarta Hasten, (Musta Hevonen) Range, front	60° 10.4' N 25° 14.1' E	Q.Y.	20 6	4	Red rectangular daymark yellow stripe.	Visible 41°30'-49°30'.
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	43 13	5	Red rectangular daymark yellow stripe.	Visible 41°30'-49°30'.
14344 C 5220	Villinginluoto Range, front	60° 09.5' N 25° 09.7' E	Q.W.	26 8	5	Red rectangular daymark yellow stripe.	Visible 44°-52°.
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 44°-52°.
14360 C 5217	Svartkubben Range, front	60° 08.3' N 25° 08.8' E	Q.Y.	23 7	5	Red rectangular daymark yellow stripe.	Visible 65°-73°.
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 65°-73°.
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°30'-229°30'.
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°30'-229°30'.
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°-264°.
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°-264°.
14388 C 5214	Jungfruholmen (Neitsytsaari)	60° 09.1' N 25° 05.9' E	FI.W.R.G. period 3s fl. 0.3s, ec. 2.7s	16 5	5	White lantern.	G. 81°-99°, W. -106°, R. - 195°, G. -279°, W. -281°, R. -307°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF FINLAND							
HELSINKI (HELSINGFORS) APPROACH:							
14396 C 5212	-Koholmen, (Lehmasaari) N. point	60° 09.4' N 25° 03.6' E	Q.W.R.G.	10 3	5	White round tower.	G. 85°-98°30', W. -103°30', R. -232°, G. -285°30', W. -290°, R. -301°.
14400 C 5210	-Hastnas Channel, S. side	60° 09.5' N 25° 02.9' E	V.Q.(2)W. period 6s	13 4	9	White round beacon.	Visible 38°-289°.
14404 C 5208	-Bjorkholmen (Koivusaari), S. point	60° 09.3' N 25° 01.5' E	Q.W.R.G.	10 3	5	White round tower.	G. 236°-256°, W. -268°, R. - 282°, G. -290°, W. -293°, R. -340°, G. -7°, W. -11°, R. -56°, G. -122°, W. - 124°, R. -146°.
14406 C 5203	-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 C 5203.1	--Rear, 140°18' from front	60° 08.1' N 25° 01.8' E	L.FI.Y. period 6s fl. 2s, ec. 4s	46 14	5	Yellow rectangular daymark red stripe.	Visible 135°-143°.
14407 C 5203.4	-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 C 5203.41	--Rear, 356° from front	60° 08.5' N 25° 01.6' E	L.FI.Y. period 6s fl. 2s, ec. 4s	33 10	5	Yellow rectangular daymark red stripe.	Visible 351°12'-359°12'.
14408 C 5154	-Trutkobben Range, front	60° 05.8' N 24° 52.6' E	FI.Y. period 2s	13 4	7	Lattice metal tower, red rectangular daymark yellow stripe.	Visible 73°-77°.
14412 C 5154.1	--Hamngrund, rear, 074°48' from front	60° 06.2' N 24° 55.1' E	L.FI.Y. period 6s fl. 2s, ec. 4s	79 24	5	Red rectangular daymark yellow stripe.	Visible 71°-79°.
14416 C 5154.4	-Trutkubbsklackarna Rysakivi	60° 06.1' N 24° 51.3' E	V.Q.(3)Y. period 3s	33 10	2	Black column, white banded.	
14418 C 5155.4	-Koirasaari Hudoren Range, front	60° 05.1' N 24° 50.9' E	Q.W.	20 6	8	Red rectangular daymark yellow stripe.	Visible 327°30'-331°30'.
14418.1 C 5155.41	--Rysakouri, rear, about 1300 meters 329° from front	60° 06.0' N 24° 49.9' E	L.FI.W. period 6s fl. 2s, ec. 4s	98 30	9	Red rectangular daymark yellow stripe.	Visible 327°30'-331°30'.
14418.5 C 5159	Melkki	60° 07.8' N 24° 53.1' E	Dir.F.W.R.G. period 2s	30 9	W. 7 R. 6 G. 6		G. 355°24'-357°24', W. - 359°24', R. -1°24'.
14419 C 5158	-Outer Melkohallen Range, front	60° 07.7' N 24° 54.0' E	Q.W.	16 5	5	Yellow rectangular daymark red stripe.	Visible 40°-44°.
14420 C 5158.1	--Lantinen Pihlajasaari, rear 042° from front	60° 08.2' N 24° 54.8' E	L.FI.W. period 6s fl. 2s, ec. 4s	43 13	7	Yellow rectangular daymark red stripe.	Visible 38°-46°.
14428 C 5156	-Koirakari (Hundskar),	60° 07.4' N 24° 54.6' E	FI.W.R.G. period 3s fl. 1s, ec. 2s	20 6	2	White tower, black banded.	G. 30°-35°30', W. -49°, R. - 63°, G. -166°, R. -198°, G. -225°, W. -228°, R. - 243°.
14432 C 5157	-Hundskar Range, front	60° 07.4' N 24° 54.6' E	Iso.W. period 5s	20 6	10	Red rectangular daymark yellow stripe.	Visible 2°-22° F.W. 4M visible 7°30'-16°30' by day.
14436 C 5157.1	--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 2°-22° F.W. 4M visible 7°30'-16°30' by day.
14440 C 5160	-Tiirakari (Tirgrund)	60° 07.7' N 24° 55.6' E	V.Q.(2)W.R.G. period 3s	20 6	3	White tower.	G. 40°-70°30', W. -73°30', R. -114°, G. -183°, W. -210°, R. -245° In line 072°36' with 14544.
14444 C 5175.5	-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°.
14448 C 5175.51	--Rear, 280 meters 251°30' 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°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF FINLAND							
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°36' 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	10 3	6	White beacon, red banded.	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 42°30'-50°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	33 10	5	Yellow rectangular daymark red stripe.	Visible 42°30'-50°30'.
14472 C 5166	-Mustassari (Vastra Svarto), W. side	60° 08.8' N 24° 58.4' E	Oc.W.R.G. period 2s fl. 1.5s, ec. 0.5s	20 6	7	White lantern, red banded.	G. 327°-333°, W. -345°, R. -48°30', G. -66°, W. -79°, R. -128°.
14476 C 5170	-Bleholm Range, front	60° 09.6' N 24° 58.0' E	Q.R.	7 2	7	White round tower, red banded.	Visible 286°-18°.
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. 7 R. 1 G. 1	White round tower, red banded.	W. 135°-213°, G. -237°, W. -260°, R. -271°, G. -283°, W. -293°, R. -6°.
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	102 31	10	White round tower, red top; 82.	Helicopter Platform.
	RACON		T(-)		12		(3 & 10 cm).
14518 C 5185	-Ulkomatala	59° 59.5' N 24° 53.4' E	V.Q.(3)W. period 5s	43 13	4	E. CARDINAL Black beacon, black topmark, yellow banded, black base.	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 fl. 4s, ec. 2s	79 24	15	Red round tower, white banded.	W. 4°30'-10°30', R. -168°, G. -187°, W. -193°, R. -212°, W. -250°, R. -260°, W. -312°, G. -4°30'. PILOT STATION.
	RACON		NR(- • - - •)		12		PILOT STATION.(3 & 10 cm).
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	21	White round tower.	Reserve light range 16M.
	RACON		M(- -)		15		(3 & 10 cm).
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	43 13	4	Yellow round beacon, black banded.	Radar reflector.
14540 C 5190.4	-Flathallgrund 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 banded.	Radar reflector.
14544 C 5188.1	-Lokkiluoto Range, front	60° 07.9' N 24° 56.6' E	Q.W.	20 6	2	Black round concrete column, white stripe.	W. 130°-158° 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	L.FI.W. period 6s	33 10	3	Black rectangular daymark white banded.	Visible 132°-159°.

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FINLAND-GULF OF FINLAND							
14552 C 5165	-Husunkivi	60° 08.4' N 24° 57.8' E	V.Q.(5)R. period 6s	23 7	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.	39 12	3	White triangle, point up daymark, red rectangular daymark; 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	Tripodal structure, red rectangular daymark, white triangular daymark point down.	Visible 147°-155°.
14564 C 5196	--Kustaanmiekka (Gustavssvard) Range, front	60° 08.3' N 24° 59.4' E	Q.W.R.	26 8	8	Red rectangular daymark white stripe.	W. 191°-26°, R. -67°.
14568 C 5196.1	--Rear, 593 meters 009°42' from front	60° 08.6' N 24° 59.5' E	L.FI.W. period 6s fl. 2s, ec. 4s	62 19	9	Red rectangular daymark white stripe.	Visible 6°-14°.
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. - 7°, G. -31°, W. -44°, R. - 77°, 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	26 8	8	White round lantern.	G. 141°-146°, W. -149°, R. - 197°, G. -235°30', W. - 241°, R. -268°.
14585	-Harmaja 2	60° 07.1' N 25° 01.3' E	V.Q.W.	46 14	4	N. CARDINAL Black beacon, black topmark, yellow base.	Radar reflector.
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	FI.W.R.G. period 2s fl. 0.3s, ec. 1.7s	16 5	4	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	Grey 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 39°18'-47°18'.
14604 C 5153.51	--Rear, 043°18' from front	60° 05.6' N 24° 45.2' E	L.FI.W. period 6s fl. 2s, ec. 4s	43 13	4	Red rectangular daymark yellow stripe.	Visible 39°18'-47°18'.
14608 C 5153	Kyto, NW. point	60° 04.4' N 24° 43.4' E	U.Q.(5)W. period 6s	30 9	4	White round tower.	Visible 46°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 55°36'-59°36'.
14616 C 5147.1	--Rear, 057°36' from front	60° 04.0' N 24° 43.2' E	L.FI.W. period 6s fl. 2s, ec. 4s	105 32	7	Red rectangular daymark yellow stripe.	Visible 55°36'-59°36'.
14656 C 5130	Porkkala Kallbada	59° 52.1' N 24° 18.2' E	FI.(3)W.R.G. period 20s fl. 0.8s, ec. 3.2s fl. 0.8s, ec. 3.2s fl. 0.8s, ec. 11.2s	85 26	12	Red quadrilateral tower.	R. 70°-120°, G. -195°, W. - 70°.
14657 C 5129.5	-Inkoo No 2	59° 52.0' N 24° 10.9' E	FI.(2)W. period 20s	39 12	7	Red metal mast, white banded.	Radar reflector.
	RACON		K(- - -)		8		(3 & 10 cm).
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 29°-37°.
14664 C 5121.1	--Rear, 1,482 meters 033°06' from front	59° 55.5' N 24° 21.0' E	L.FI.W. period 6s fl. 2s, ec. 4s	66 20	6	Red rectangular daymark white stripe.	Visible 29°-37°.
14712 C 5131.4	Oxhornen Range, front	59° 57.6' N 24° 16.5' E	FI.W. period 2s fl. 0.3s, ec. 1.7s	43 13	8	Red rectangular daymark yellow stripe.	Visible 29°30'-33°30'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF FINLAND							
	RACON		O(---)		10		(3 & 10 cm).
14716 C 5131.41	-Rear, 031°36' from front	59° 59.0' N 24° 18.2' E	L.FI.W. period 6s fl. 2s, ec. 4s	92 28	12	Red rectangular daymark yellow stripe.	Visible 29°30'-33°30'.
14892 C 4980	Jussaro, Sundharvn islet	59° 47.4' N 23° 33.0' E	FI.W. period 12s fl. 1.2s, ec. 10.8s	102 31	12	White square tower, red banded; 79.	Radar reflector.
EKENAS (TAMMISAARI):							
14944 C 4991.6	-Langden	59° 46.7' N 23° 14.9' E	FI.(3)W.R.G. period 15s fl. 1.5s, ec. 1.5s fl. 1.5s, ec. 1.5s fl. 1.5s, ec. 7.5s	56 17	W. 13 R. 3 G. 3	Red round concrete tower, white banded.	G. 128°-200°, W. -206°, R. - 220°, G. -358°, W. -14°, R. -56°.
	RACON		M(-)		10		(3 & 10 cm).
14946 C 4991.7	Ajax	59° 43.6' N 23° 12.6' E	V.Q.(5)Y. period 6s	39 12	5	White mast, red banded.	Radar reflector.
15124 C 4932	Kummelskar Range, front	59° 48.7' N 23° 06.3' E	Q.W.	33 10	6	Red rectangular daymark yellow stripe.	Visible 53°-57°.
15128 C 4932.1	-Rear, 054°54' from front	59° 49.0' N 23° 07.0' E	L.FI.W. period 6s fl. 2s, ec. 4s	62 19	7	Red rectangular daymark yellow stripe.	Visible 53°-57°.
15142	Inre Vasterlandet, RACON	59° 47.7' N 23° 03.1' E	T(-) period 90s		12		
15148 C 4916	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 C 4916.1	-Graskar, rear, 400 meters 304° from front	59° 48.8' N 23° 00.3' E	L.FI.W. period 6s fl. 2s, ec. 4s	52 16	4	Yellow rectangular daymark red stripe.	Visible 302°-306°.
15164 C 4919	-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 C 4919.1	--Rear, 490 meters 265°36' from front	59° 47.6' N 22° 55.9' E	L.FI.W. period 6s fl. 2s, ec. 4s	105 32	7	Red rectangular daymark yellow stripe.	Visible 264°-268°.
15172 C 4918.4	Gustavsvarn	59° 48.1' N 22° 56.6' E	FI.(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 C 4915.7	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 C 4915.71	-Rear, 273° from front	59° 47.0' N 22° 53.4' E	L.FI.W. period 6s fl. 2s, ec. 4s	56 17	13	Red rectangular daymark yellow stripe.	Visible 271°-275°.
15184 C 4915.3	Albertsklackarna	59° 46.9' N 22° 53.6' E	FI.W.R.G. period 3s fl. 0.5s, ec. 2.5s	36 11	4	Metal post.	G. 130°-141°, W. -143°30', Visible -160° R..
15188 C 4888	Tulliniemi Range, front	59° 48.7' N 22° 54.8' E	Q.R.	43 13	5	Red rectangular daymark yellow stripe.	Visible 58°-62°. PILOT STATION.
15192 C 4888.1	-Rear, 059° from front	59° 48.7' N 22° 54.8' E	L.FI.R. period 6s	62 19	5	Red rectangular daymark yellow stripe.	Visible 58°-62°.
15196 C 4892	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 270°30'-278°30'.
15200 C 4892.1	-Rear, 730 meters 273°42' from front	59° 48.7' N 22° 54.1' E	L.FI.W. period 6s fl. 2s, ec. 4s	59 18	8	Yellow rectangular daymark red stripe.	Visible 270°30'-278°30'.
15204 C 4915.6	Norrkobben Range, front	59° 46.7' N 22° 55.1' E	Q.Y.	30 9	2	Red rectangular daymark yellow stripe.	Visible 119°-123°.
15208 C 4915.61	-Russaro, rear, 121° from front	59° 46.4' N 22° 56.0' E	L.FI.Y. period 6s fl. 2s, ec. 4s	62 19	3	Yellow rectangular daymark red stripe.	Visible 119°-123°.

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FINLAND-GULF OF FINLAND							
15210 C 4919.4	Hanko, No 1	59° 44.1' N 23° 02.4' E	V.Q.(3)W. period 5s	33 10	6	E. CARDINAL Black beacon, black topmark, yellow banded, black base.	Radar reflector.
15212 C 4912	-Russaro	59° 46.0' N 22° 56.9' E	FI.(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	17	Red round tower; 69.	Visible 174°-115°.
15216 C 4915.8	Lindskar Range, front	59° 45.6' N 22° 57.7' E	Q.W.	16 5	12	Red rectangular daymark yellow stripe.	Visible 233°-237°.
15220 C 4915.81	-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 233°-237°.
15224 C 4910	Lilla Tarnskar	59° 45.2' N 22° 57.8' E	FI.W. period 5s fl. 0.5s, ec. 4.5s	39 12	8	Black rectangular daymark; 33.	Radar reflector.
	RACON		T(-)		9		(3 & 10 cm).
15228 C 4914	-Masskar Range, front	59° 47.5' N 22° 55.0' E	Q.W.	39 12	9	Yellow rectangular daymark red stripe.	Visible 357°-5° Shown on request.
15232 C 4914.1	--Rear, 463 meters 000°06' from front	59° 47.8' N 22° 55.0' E	L.FI.W. period 6s fl. 2s, ec. 4s	62 19	10	Yellow rectangular daymark red stripe.	Visible 357°-5° Shown on request.
15236 C 4915	-Granskarsgrund Range, front	59° 47.9' N 22° 53.6' E	FI.W.R.G. period 3s fl. 1s, ec. 2s	26 8	4	Black rectangular daymark white stripe.	G. 79°-92°, W. -96°30', R. - 137°, W. 310°30' - 314°30'.
15240 C 4915.1	--Kistskar, rear, 312° from front	59° 48.2' N 22° 52.9' E	Iso.W. period 4s	36 11	10	Black rectangular daymark white stripe.	Visible 308°-316° Shown on request.
15244 C 4920.2	-Djupkobben Range, front	59° 48.4' N 22° 58.0' E	FI.W. period 3s fl. 1s, ec. 2s	26 8	11	Red rectangular daymark yellow stripe.	Visible 324°30'-329°30'.
15248 C 4920.21	--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°30'-329°30'.
15252 C 4922	-Hogholm (Hanko), mole, head	59° 49.2' N 22° 56.7' E	Q.W.R.G.	23 7	5	White round tower.	G. 24°-37°, W. -49°, R. -60°, G. -70°, W. -79°30', R. - 110°, W. -260°.
15256 C 4924	-Hanko Range, front	59° 49.2' N 22° 58.0' E	F.R.	20 6	6	Red rectangular daymark yellow stripe.	Visible 240°-60°.
15260 C 4924.1	--Rear, 238 meters 330°36' from front	59° 49.3' N 22° 57.8' E	F.R.	39 12	6	Red rectangular daymark yellow stripe.	Visible 240°-60°.
15264 C 4920.4	-Hakoniem Range, front	59° 49.3' N 22° 55.4' E	Q.Y.	52 16	7	Red rectangular daymark yellow stripe.	Visible 315°-323°.
15264.1 C 4920.41	--Rear, 0.3km 318°54' 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 C 4906	-Bengtskar	59° 43.4' N 22° 30.0' E	FI.(3)W. period 20s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 16.5s	167 51	10	Round hard surface tower, granite; 151.	Wind generator.
15284 C 4915.5	Lilla Granskarscharun Range, front	59° 47.7' N 22° 51.8' E	Q.Y.	23 7	11	Red rectangular daymark yellow stripe.	Visible 299°-303°.
15288 C 4915.51	-Granskarscharun, rear 301°06' from front	59° 47.8' N 22° 51.6' E	L.FI.Y. period 6s fl. 2s, ec. 4s	56 17	13	Red rectangular daymark yellow stripe.	Visible 299°-303°.
15289 C 4915.54	Granskar	59° 47.3' N 22° 52.9' E	FI.G. period 3s	43 13	4	Green beacon, triangle, point up daymark.	Radar reflector.
15290 C 4915.57	Vasteriströn	59° 47.1' N 22° 53.9' E	FI.R. period 3s	39 12	4	Red beacon, rectangular daymark.	Radar reflector.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF FINLAND							
15292 C 4884	Granskarsharun	59° 47.8' N 22° 51.9' E	Iso.W.R.G. period 2s	26 8	6	White lantern, red banded; 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	FI.W.R.G. period 3s fl. 1s, ec. 2s	16 5	5	White round tower, red banded.	G. 250°-272°30'; W. - 276°30', R. -295°, G. -1°, W. -11°, R. -70°.
15304 C 4915.2	Dodoren Range, front	59° 48.8' N 22° 50.0' E	Q.Y.	16 5	5	Red rectangular daymark yellow stripe.	Visible 224°-228°.
15308 C 4915.21	-Stenskar kobben, rear, 1, 667 meters 226°12' from front	59° 48.2' N 22° 48.6' E	L.FI.Y. period 6s fl. 2s, ec. 4s	56 17	11	Red rectangular daymark yellow stripe.	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 stripe.	Visible 319°-323°.
15316 C 4915.41	-Klockarlandet, rear, 1,741 meters 321°18' from front	59° 50.2' N 22° 48.4' E	L.FI.W. period 6s fl. 2s, ec. 4s	59 18	6	Red rectangular daymark yellow stripe.	Visible 319°-323°.
15320 C 4886	-Tullisaari, N. point	59° 48.4' N 22° 54.4' E	FI.W.R.G. period 3s fl. 0.3s, ec. 2.7s	26 8	6	White round tower.	G. 63°-69°, W. -85°, R. -194°, G. -263°30', R. -283°.
15322 C 4876	-Smorsten N	59° 49.5' N 22° 51.2' E	FI.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.FI.W.R.G. period 6s fl. 2s, ec. 4s	16 5	7	White round tower.	G. 12°-47°30', W. -51°, R. - 102°, Flood light.
15337 C 4873.5	-Koppnas Dir. Lt.	59° 51.0' N 22° 58.0' E	Dir.Iso.W.R.G. period 4s		3		R. 97°48'-99°18', W. - 101°12', G. -102°42'.
15340 C 4874.4	-Krakudden Fishing Range, front	59° 50.1' N 22° 55.5' E	F.R.	26 8		Grey circle daymark.	Fishing light. Shown on request.
15344 C 4874.5	--Rear, 202°54' from front	59° 50.1' N 22° 55.5' E	F.R.	36 11		Grey circle daymark.	Fishing light. Shown on request.
15348 C 4873	-Hamnholm Range, front	59° 50.4' N 22° 55.5' E	Q.Y.	36 11	11	Red rectangular daymark yellow stripe.	Visible 116°-133°.
15352 C 4873.1	--Rear, Kasberget, 457 meters 123°18' from front	59° 50.2' N 22° 55.9' E	L.FI.Y. period 6s fl. 2s, ec. 4s	75 23	13	Red rectangular daymark yellow stripe.	Visible 116°-133°.
15356 C 4874	-Valnas Range, front	59° 50.3' N 22° 55.9' E	F.R.	23 7		Grey circle daymark.	Fishing light. Shown on request.
15360 C 4874.1	--Rear, 131°06' from front	59° 50.3' N 22° 55.9' E	F.R.	33 10		Grey circle daymark.	Fishing light. Shown on request.
15364 C 4872	-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. - 20°, G. -112°, W. -115°, R. -119°, G. -170°, R. - 270°.
15368 C 4872.1	--Rear, 114°12' from front, on islet	59° 51.6' N 22° 53.9' E	L.FI.W. period 6s fl. 2s, ec. 4s	89 27	9	Red rectangular daymark white stripe.	Visible 111°30'-115°30'.
15372 C 4871	-Maltskar Range, front	59° 51.4' N 22° 47.1' E	Q.W.	26 8	4	Red rectangular daymark yellow stripe.	Visible 200°-208°.
15376 C 4871.1	--Rear, about 1,296 meters 204°06' from front	59° 50.8' N 22° 46.5' E	L.FI.W. period 6s fl. 2s, ec. 4s	69 21	5	Red rectangular daymark yellow stripe.	Visible 200°6'-208°6'.
15384 C 4869	-Stubbkal	59° 56.7' N 22° 48.2' E	FI.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'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF FINLAND							
15388 C 4868.5	-Lerharu	59° 54.8' N 22° 39.6' E	FI.W.R.G. period 3s	39 12	7	White metal tower, red top.	G. 255°30'-293°, W. - 294°30', R. -5°30', G. - 100°30', W. -102°, Visible -119°30' R. Radar reflector.
15392 C 4868	-Galtama	59° 55.0' N 22° 36.4' E	V.Q.(5)Y. period 6s	26 8	3	White round tower.	Radar reflector.
15396 C 4866	-Matlosharun Range, common front	59° 55.4' N 22° 34.6' E	Q.Y.	39 12	5	Red rectangular daymark yellow stripe.	Visible 62°30'-70°30'.
			Q.W.	36 11	8		Visible 285°-293°.
15398 C 4865.9	--Rear, 066°24' from common front	59° 56.0' N 22° 37.2' E	L.FI.Y. period 6s fl. 2s, ec. 4s	105 32	5	Red rectangular daymark yellow stripe.	Visible 62°30'-70°30'.
15400 C 4866.1	--Rear, 289°12' from common front	59° 55.8' N 22° 32.8' E	L.FI.W. period 6s fl. 2s, ec. 4s	112 34	9	Red rectangular daymark yellow stripe.	Visible 287°12'-291°12'.
15404 C 4867	-Flacksarsgrund Range, front	59° 55.4' N 22° 37.7' E	Q.W.	26 8	5	Red rectangular daymark yellow stripe.	Visible 79°-87°.
15408 C 4867.1	--Rear, 082°54' from front	59° 55.4' N 22° 38.4' E	L.FI.W. period 6s fl. 2s, ec. 4s	52 16	5	Red rectangular daymark yellow stripe in center.	Visible 79°-87°.
15412 C 4861	-Idskar	59° 54.9' N 22° 31.9' E	V.Q.(5)R. period 6s	23 7	3	White lantern.	
15416 C 4864	-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 50°12'-58°12', Visible 285°54'-266°54'.
15418 C 4863.9	--Rear, 054°12' from common front	59° 55.2' N 22° 32.6' E	L.FI.W. period 6s fl. 2s, ec. 4s	98 30	5	Red rectangular daymark yellow stripe.	Visible 50°-58°.
15420 C 4864.1	--Rear, 262°54' from common front	59° 55.0' N 22° 31.3' E	L.FI.W. period 6s fl. 2s, ec. 4s	72 22	5	Red rectangular daymark yellow stripe.	Visible 258°54'-266°54'.
15432 C 4865	-Batskar Range, front	59° 54.3' N 22° 29.6' E	Q.Y.	13 4	4	Red rectangular daymark yellow stripe.	Visible 242°30'-250°30'.
15436 C 4865.1	--Rear, 246°24' from front	59° 54.2' N 22° 29.1' E	L.FI.Y. period 6s fl. 2s, ec. 4s	36 11	5	Red rectangular daymark yellow stripe.	Visible 242°30'-250°30'.
15448 C 4862	-Idskarskubb	59° 54.9' N 22° 32.3' E	V.Q.(5)G. period 6s	20 6	2	White round tower, black banded.	Radar reflector.
15452 C 4860	-Jarngrynnan	59° 53.7' N 22° 27.8' E	V.Q.(5)Y. period 6s	26 8	3	White concrete building, red banded.	Radar reflector.
15456 C 4858	-Fungskar Range, front	59° 53.8' N 22° 25.8' E	Q.W.	52 16	4	Red rectangular daymark yellow stripe.	Visible 144°-152°.
15460 C 4858.1	--Rear, 147°48' from front	59° 53.6' N 22° 26.0' E	L.FI.W. period 6s fl. 2s, ec. 4s	85 26	5	Metal mast, red rectangular daymark yellow stripe.	Visible 144°-152°.
15464 C 4856	-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 C 4856.1	--Aggaskar, rear, 300°54' 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 C 4855	-Kalholm	59° 55.2' N 22° 23.6' E	V.Q.(2)W.R.G. period 3s	23 7	6	Red rectangular daymark.	G. 92°-170°, W. -171°30', R. -271°.
15472 C 4854	-Onholm, S. side	59° 56.1' N 22° 22.9' E	FI.W.R.G. period 2s fl. 0.15s, ec. 1.85s	26 8	6	Red rectangular daymark.	G. 295°30'-325°30', W. - 328°30', R. -341°.
15476 C 4852	-Kuggor, W. side	59° 58.0' N 22° 23.0' E	V.Q.(5)Y. period 6s	10 3	4	Rectangular fiberglass daymark.	
15480 C 4746.8	-Hallsten	59° 53.0' N 22° 25.1' E	V.Q.(2)W.R.G. period 3s	23 7	5	Red round tower, white top.	R. 202°-236°, G. -27°, W. - 29°, R. -110°. Radar reflector.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF FINLAND							
15484 C 4863	-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 C 4863.1	--Rear, 260°18' 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 C 4863.5	-Kalvholm Range, front	59° 52.4' N 22° 24.7' E	Q.W.	30 9	4	Red rectangular daymark yellow stripe.	Visible 230°-238°.
15496 C 4863.51	--Rear, 234°12' from front	59° 52.2' N 22° 24.1' E	L.FI.W. period 6s fl. 2s, ec. 4s	66 20	5	Red rectangular daymark yellow stripe.	Visible 230°-238°.
15500 C 4746	Angskar Range, front	59° 53.4' N 22° 22.5' E	FI.W. period 2s fl. 0.3s, ec. 1.7s	33 10	9	Red rectangular daymark yellow stripe.	Visible 84°30'-92°30'.
15504 C 4746.1	-Rear, 088°24' from front	59° 53.4' N 22° 24.1' E	L.FI.W. period 8s fl. 2s, ec. 6s	115 35	10	Red rectangular daymark yellow stripe.	Visible 84°30'-92°30'.
15508 C 4746.2	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	16 5	5	Red round tower, white banded.	G. 272°30'-288°, W. -294°, R. -13°, G. -97°, W. - 105°, R. -120°30'.
15509 C 4745.74	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 C 4745.76	Tjuform	59° 54.2' N 22° 13.0' E	FI.G. period 3s fl. 0.3s, ec. 2.7s	23 7	3	Green beacon.	
15512 C 4745.8	Vitgrund Range, front	59° 53.6' N 22° 20.0' E	Q.W.	16 5	5	Red rectangular daymark yellow stripe.	Visible 282°-290°.
15516 C 4745.81	-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 C 4745.6	Laderklobb Range, front	59° 54.0' N 22° 10.0' E	Q.Y.	23 7	8	Red rectangular daymark yellow stripe.	Visible 77°-81°.
15524 C 4745.61	-Rear, 078°54' from front	59° 53.8' N 22° 11.4' E	L.FI.Y. period 6s fl. 2s, ec. 4s	95 29	9	Red rectangular daymark yellow stripe.	Visible 77°-81°.
15525 C 4744.23	Korpskar Range, front	59° 51.8' N 21° 41.0' E	Q.W.	43 13	9	Red rectangular daymark yellow stripe.	Visible 77°30'-85°30'.
15525.1 C 4744.24	-Rear, 081°42' from light	59° 52.1' N 21° 44.5' E	L.FI.W. period 6s	92 28	10	Red rectangular daymark yellow stripe.	Visible 77°30'-85°30'.

FINLAND-AHVENANMAA (ALAND ISLANDS)

15780 C 4732	Lillharun	59° 43.7' N 21° 24.0' E	FI.W.R.G. period 7s	56 17	8	Black round tower; 39.	G. 262°-340°, W. -45°, R. - 101°, G. -148°, W. -155°, R. -172°. Radar reflector.
	RACON		T(-)		11		(3 & 10 cm).
	UTO:						
15800 C 4736	Uto	59° 46.9' N 21° 22.1' E	FI.(2)W. period 12s fl. 0.3s, ec. 3.2s fl. 0.3s, ec. 8.2s	131 40	18	White square masonry tower, red stripe; 79.	Visible 235°-100°. PILOT STATION.
			F.W.	125 38	10		Visible 163°-253°.
15804 C 4725	Kokarsoren	59° 46.1' N 21° 01.1' E	FI.W. period 5s fl. 0.5s, ec. 4.5s	79 24	9	Red rectangular daymark.	
15808 C 4734	-Approaching Range, front	59° 46.9' N 21° 21.5' E	Q.Y.	49 15	11	Red rectangular daymark yellow stripe.	Visible 0°-19°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-AHVENANMAA (ALAND ISLANDS)							
			Q.W.R.G.	43 13	W. 8 R. 2 G. 2		W. 1°-14°, R. -19°, G. 90°-156°, W. -165°30', R. -176°, G. -242°, G. 344°-1°.
15812 C 4734.1	--Rear, 630 meters from front	009°36' 59° 47.3' N 21° 21.6' E	Iso.Y. period 6s	85 26	12	Red rectangular daymark yellow stripe.	Visible 0°-19°.
FINLAND-GULF OF FINLAND							
15813 C 4738	Enskar Harbor	59° 47.2' N 21° 22.0' E	Q.W.R.G.	10 3	W. 5 R. 1 G. 1	Grey mast.	G. 40°-58°, W. -64°, R. -108°, G. -134°, W. -141°, R. -195°.
FINLAND-AHVENANMAA (ALAND ISLANDS)							
15852 C 4739	Skataskar Range, front	59° 50.8' N 21° 19.6' E	Q.W.	46 14	6	Red rectangular daymark white stripe.	Visible 347°30'-355°30'.
15856 C 4739.1	-Rear, 365 meters from front	351°24' 59° 51.2' N 21° 19.4' E	L.FI.W. period 6s fl. 2s, ec. 4s	102 31	7	Red rectangular daymark white stripe.	Visible 347°30'-355°30'.
15860 C 4743.2	Bokullankivi	59° 50.8' N 21° 25.1' E	FI.W.R.G. period 5s fl. 0.5s, ec. 4.5s	30 9	W. 9 R. 2 G. 2	White tower, black banded; 13.	G. 9°-50°, W. -54°, R. -165°, G. -232°30', W. -236°30', R. -9° Wind generator.
	RACON		T(-)		11		(3 cm).
16092 C 4486	Bogskar, on W. rock	59° 30.3' N 20° 20.9' E	FI.(3)W. period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 13s	92 28	9	White round tower, blue banded, lantern; 25.	Helicopter Platform.
	RACON		T(-)		13		(3 & 10 cm).
16094 C 4487	Suomen Leijona	59° 28.4' N 20° 48.8' E	FI.(2)W. period 12s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 9.6s	43 13	9	White tower, orange banded.	Wind generator. Radar reflector.
	RACON		T(-)		11		(3 & 10 cm).
16096 C 4480	Lagskar, N. point	59° 50.5' N 19° 54.7' E	FI.W. period 12s fl. 1.5s, ec. 10.5s	138 42	11	Red square tower; 108.	
16100 C 4482	Flothan (Flotjan)	59° 48.5' N 19° 46.9' E	FI.(2)W. period 20s fl. 1.5s, ec. 2s fl. 1.5s, ec. 15s	85 26	10	Red tower, white banded; 72.	
	RACON		T(-)		13		(3 & 10 cm).
16106 C 4485	Salkobb	59° 54.2' N 20° 04.7' E	FI.W.R.G. period 5s fl. 0.5s, ec. 4.5s	39 12	4	Red rectangular daymark.	W. 3°-22°, R. -90°, G. -166°, W. -178°, R. -270°, G. -320°, W. -328°, R. -337°, G. -3° Shown on request.
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. 80°-95°, W. -105°30', R. -120°, G. -177°, -217°, G. -254°, W. -260°, R. -275°.
16158 C 4546	Fastorna	59° 51.4' N 20° 20.6' E	FI.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. -37°, R. -74°, G. -90°, W. -103°, R. -120°, G. -164°, W. -180°, R. -193° Fishing light. Shown on request.
	RACON		T(-)		11		(3 & 10 cm).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-AHVENANMAA (ALAND ISLANDS)							
16476 C 4626	Kalkskarskobben	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 banded; 46.	G. 81°-145°, W. -155°, R. - 185°, G. -222°, W. - 226°30', R. -289°, G. - 310°, W. -313°30', R. - 81°. Radar reflector.
	RACON		T(-)		10		(3 & 10 cm).
16480 C 4630	Kihti	60° 04.6' N 21° 08.3' E	Q.(3)W.R.G. period 10s	39 12	9	Black round tower, white top; 36.	G. 83°-92°, W. -95°, R. -98°, G. -240°30', W. -244°, R. -268°.
	RACON		T(-)		12		(3 cm).
16744 C 4496	-Korso Range, SW. point of Yttre Korsö, 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°-3°, W. -9°, R. - 32°30', G. -62°30', W. - 75°, R. -179°30'.
	RACON		T(-)		8		(3 & 10 cm).
16748 C 4496.1	--Rear, 180 meters 065°54' from common front	60° 02.4' N 19° 54.2' E	L.FI.W. period 6s fl. 2s, ec. 4s	56 17	8	Yellow rectangular daymark red stripe.	Visible 62°-70°.
16752 C 4495.9	--Rear, 100 meters 051°18' from common front	60° 02.4' N 19° 54.1' E	L.FI.G. period 6s fl. 2s, ec. 4s	69 21	11	Yellow rectangular daymark red stripe.	Visible 45°30'-57°30'.
16756 C 4494	Tvibenan, E. side	60° 02.0' N 19° 53.0' E	Q.W.R.G.	23 7	W. 4 R. 1 G. 1	White rectangular daymark.	G. 184°-210°, W. -213°, R. - 273°30', G. -330°, W. - 341°30', R. -70°.
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 banded.	W. 7°-120°, R. -175°, G. - 219°, W. -244°, R. -333°, G. -7°. Radar reflector.
16770 C 4479	Utbadan	60° 05.0' N 19° 42.4' E	FI.W. period 3s fl. 0.2s, ec. 2.8s	26 8	4	White beacon, orange banded; 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 banded; 66.	Radar reflector.
16788 C 4478	Tollingbadan	60° 11.3' N 19° 27.1' E	Q.(2)W.R.G. period 5s	30 9	6	Orange round tower.	W. 320°-55°, R. -88°, 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	FI.W. period 5s fl. 0.4s, ec. 4.6s	52 16	9	White rectangular daymark red banded.	
16796 C 4468	Adskar	60° 21.0' N 19° 31.0' E	FI.W.R.G. period 3s fl. 0.3s, ec. 2.7s	33 10	5		G. 90°-170°, W. -178°, R. - 270°, G. -5°, W. -9°, R. - 90° Shown on request. Fishing light.
16800 C 4466	Sodra Salskar, W. side of S. islet	60° 24.7' N 19° 35.6' E	FI.(2)W. period 12s fl. 1s, ec. 2s fl. 1s, ec. 8s	144 44	12	White round masonry tower; 105.	
16808 C 4465.4	Kallan	60° 27.0' N 19° 44.4' E	FI.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 C 4465	Koksnan	60° 28.1' N 19° 56.2' E	FI.W. period 5s fl. 0.4s, ec. 4.6s	56 17	6	White beacon, red banded.	
16814 C 4464.4	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		(3 cm).
16948 C 4462.6	Inre Bredan	60° 34.6' N 20° 42.9' E	FI.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.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-AHVENANMAA (ALAND ISLANDS)							
16952 C 4450.4	Sandbacks Sodra, on Sandbacks Norra	60° 45.8' N 20° 44.3' E	FI.(3)W. period 10s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4s	43 13	10	Orange round tower.	Helicopter Platform.
	RACON		T(-)		10		(3 & 10 cm).
FINLAND-GULF OF BOTHNIA							
16956 C 4453.3	Ljungbergsinkivi	60° 43.0' N 20° 56.0' E	V.Q.W.	43 13	5	N. CARDINAL Black mast, black topmark, yellow base.	
16960 C 4453.4	Isokari W	60° 43.3' N 20° 58.5' E	V.Q.(5)Y. period 6s	43 13	3	White metal mast, red top.	Radar reflector.
16967 C 4449.9	Isokari Range, front	60° 42.5' N 21° 01.1' E	Q.W.	46 14	8	Red rectangular daymark yellow stripe.	Visible 339°48'-343°48'.
16968 C 4450	-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	161 49	19	White round tower, red banded; 122.	PILOT STATION.
16972 C 4453	Keskikallio	60° 41.6' N 21° 03.4' E	V.Q.(4)W.R.G. period 6s	72 22	7	White concrete tower; 49.	G. 99°-115°42', W. -116°42', R. -292°, G. -300°, W. - 302°, R. -311°.
16984 C 4454	Iso Hauteri Range, front	60° 39.8' N 21° 04.1' E	FI.W. period 2s fl. 0.3s, ec. 1.7s	36 11	11	Red rectangular daymark white stripe.	Visible 132°30'-136°30'.
16988 C 4454.1	-Vaha Hauteri, rear, 1,611 meters 134°24' from front	60° 39.2' N 21° 05.4' E	L.FI.W. period 8s fl. 2s, ec. 6s	59 18	11	Red rectangular daymark white stripe.	Visible 132°30'-136°30'.
17000 C 4680.6	Katanpaa Range, front	60° 36.8' N 21° 09.8' E	Q.W.	33 10	5	Red rectangular daymark yellow stripe.	Visible 181°-189°.
17000.1 C 4680.61	-Rear, 184°54' from front	60° 36.6' N 21° 09.8' E	L.FI.W. period 6s fl. 2s, ec. 4s	69 21	6	Red rectangular daymark yellow stripe.	Visible 181°-189°.
17192 C 4447.6	Sammo Range, front	60° 50.0' N 21° 07.0' E	Q.W.	13 4	5	Red rectangular daymark yellow stripe.	Visible 341°30'-349°30'.
17196 C 4447.61	-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°30'-349°30'.
	UUSUIKAUPUNKI APPROACH:						
17208 C 4457.7	-Vilissalo Range, front	60° 48.0' N 21° 23.0' E	Q.W.	20 6	10	Yellow rectangular daymark red stripe.	Visible 49°-69°.
17212 C 4457.71	--Rear, 059°06' 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 49°-69°.
17224 C 4445.5	Nurminen	60° 53.0' N 21° 10.0' E	Q.W.	30 9	6	Yellow rectangular daymark red stripe.	Visible 172°-176°.
17246 C 4444.3	-Santakariluoto Range, front	60° 57.3' N 21° 08.3' E	Q.Y.	26 8	4	Red rectangular daymark yellow stripe.	Visible 194°-202°.
17246.1 C 4444.31	--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 194°-202°.
17248 C 4445	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 banded.	G. 334°-356°, W. -9°, R. - 111°, G. -134°, W. -147°, R. -173°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF BOTHNIA							
17252 C 4440	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. 61°-97°, G. -125°, W. - 137°, R. -178°, G. -191°, G. 242°-280°, W. -282°, R. -284°. Radar reflector.
	RACON		T(-)		11		(3 cm).
	RAUMA:						
17268 C 4417	-Main	61° 09.0' N 21° 09.6' E	FI.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	72 22	9	White tower, red top.	Helicopter platform. Radar reflector.
	RACON		T(-)		12		(3 & 10 cm).
17272 C 4418	--Rihtniemi Range, front	61° 05.6' N 21° 16.9' E	Iso.W. period 4s	46 14	9	Red rectangular daymark yellow stripe.	Visible 115°-123° Range 12M shown in fog.
17276 C 4418.1	--Rear, 119°12' from front	61° 05.3' N 21° 18.2' E	Iso.W. period 12s	85 26	9	Red rectangular daymark yellow stripe.	Visible 115°-123° 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	59 18	8	Red rectangular daymark yellow field.	Visible 106°30'-114°30' Range 14M shown in fog.
17284 C 4418.31	--Rear, 110°30' from front	61° 05.0' N 21° 22.3' E	Iso.W. period 6s	112 34	8	Red rectangular daymark yellow stripe.	Visible 106°30'-114°30' Range 14M shown in fog. Synchronized with front.
17288 C 4418.5	--No 1	61° 06.2' N 21° 16.0' E	FI.R. period 3s fl. 0.3s, ec. 2.7s	43 13	4	PORT (IALA A) Red mast, topmark.	
17296 C 4418.7	--No 3	61° 06.0' N 21° 17.0' E	FI.R. period 3s fl. 0.5s, ec. 2.5s	39 12	4	PORT (IALA A) Red mast, topmark.	Range 5M shown in fog.
17304 C 4418.9	--No 5	61° 05.8' N 21° 17.9' E	FI.R. period 3s fl. 0.5s, ec. 2.5s	39 12	4	PORT (IALA A) Red mast, topmark.	Range 5M shown in fog. Radar reflector.
17308 C 4419	--Iso Jarviluoto Range, front	61° 07.1' N 21° 25.8' E	Q.G. period 1s	46 14	3	Red rectangular daymark yellow stripe.	Visible 64°30'-72°30' Range 10M shown in fog.
17312 C 4419.1	--Rear, 1100 meters 068°36' from front	61° 07.3' N 21° 26.9' E	L.FI.G. period 6s	135 41	11	Red rectangular daymark yellow stripe.	Visible 64°30'-72°30'.
17316 C 4419.3	--No 6	61° 05.8' N 21° 19.3' E	FI.G. period 3s fl. 0.5s, ec. 2.5s	39 12	3	STARBOARD (IALA A) Green mast, topmark.	Range 5M shown in fog. Radar reflector.
17320 C 4419.4	--No 8	61° 06.2' N 21° 21.1' E	FI.G. period 3s fl. 0.5s, ec. 2.5s	39 12	3	STARBOARD (IALA A) Green 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	Grey beacon.	Visible 24°-54° Range 11M shown in fog. Shown 24 hours.
17321.1 C 4419.71	--Rear, 038°54' from front	61° 07.9' N 21° 26.3' E	Iso.W. period 6s	82 25	7	Grey beacon.	Visible 24°-54° Range 11M shown in fog. Synchronized with front.
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 82°30'-90°30'.
17321.51 C 4419.21	--Rear, 230 meters 086°30' from front	61° 06.9' N 21° 27.6' E	L.FI.R. period 6s fl. 2s, ec. 4s	66 20	6	Red rectangular daymark yellow stripe.	Visible 82°30'-90°30'.
17324 C 4421.6	-Kalapuda	61° 08.0' N 21° 16.3' E	V.Q.(5)Y. period 6s	43 13	3	White column, red banded.	Radar reflector.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF BOTHNIA							
17328 C 4421	-Kylmapihlaja	61° 08.7' N 21° 18.2' E	FI.(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.	Flood light. 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.	
17329.1 C 4421.41	--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. 60°48'-69°24', W. - 77°12', R. -87°54', G. 281°18'-295°18', W. - 310°, R. -328°48'.
17330 C 4421.5	--Range, front	61° 08.6' N 21° 18.1' E	Q.W.	23 7	7	Red rectangular daymark yellow stripe.	Visible 59°30'-67°30'. Flood light.
17330.1 C 4421.51	--Rear, 063°24' from front	61° 08.7' N 21° 18.3' E	F.L.FI.W. period 6s	46 14	7	Red rectangular daymark yellow stripe.	Visible 59°30'-67°30'. Synchronized with front.
17344 C 4421.7	-Kloppe	61° 08.8' N 21° 18.9' E	FI.W.R.G. period 2s fl. 0.2s, ec. 1.8s	26 8	5	White rectangular daymark; 20.	G. 46°-7°, W. -15°, R. -46°.
17346 C 4421.8	-Katavalouutu Range, front	61° 08.3' N 21° 19.5' E	Q.W.	30 9	3	Yellow rectangular daymark red stripe.	Visible 91°30'-121°30'.
17346.1 C 4421.81	--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 91°30'-121°30'.
17352 C 4425	-Pihlus Range, front	61° 10.5' N 21° 21.0' E	Q.W.	26 8	3	White rectangular daymark red stripe; 10.	Visible 317°-349°.
17356 C 4425.1	--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 C 4437	-Pajukari Range, front	61° 08.1' N 21° 23.5' E	Q.W.	39 12	4	White rectangular daymark red stripe.	Visible 149°-157°.
17358.1 C 4437.01	--Rear, 152°48' from front	61° 07.9' N 21° 23.7' E	L.FI.W. period 6s fl. 2s, ec. 4s	59 18	5	White rectangular daymark red stripe.	Visible 149°-157°.
17360 C 4424	-Suokari Range, front	61° 09.7' N 21° 23.2' E	Q.G.	26 8	8	White rectangular daymark red stripe.	Visible 99°-107°.
17364 C 4424.1	--Rear, 1482 meters 102°48' from front	61° 09.5' N 21° 24.8' E	L.FI.Y. period 8s fl. 2s, ec. 6s	69 21	8	White rectangular daymark red stripe.	Visible 98°48'-106°48'.
17368 C 4430	-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 C 4430.1	--Rear, on rock, 309°48' 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 C 4432.3	-Petajas Range, front	61° 08.2' N 21° 26.5' E	Q.W.	20 6	8	Yellow rectangular daymark red stripe.	Visible 98°30'-106°30'.
17396 C 4432.31	--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 98°30'-106°30'.
17406 C 4434	-Satama Range, front	61° 07.7' N 21° 27.6' E	F.R.	62 19	1	Grey beacon.	Visible 337°30'-167°30'.
17406.1 C 4434.1	--Rear, 073°06' from front	61° 07.7' N 21° 27.9' E	F.R.	95 29	1	Grey beacon.	Visible 337°30'-167°30'.
17407 C 4435	-Martinkarta	61° 07.6' N 21° 27.9' E	F.G.	16 5	1	Post, green triangle, point up daymark.	
17436 C 4406	Kalla	61° 16.1' N 21° 21.2' E	FI.W.R.G. period 5s fl. 0.5s, ec. 4.5s	36 11	7	Grey structure.	R. 7°-36°, G. -93°, W. -184°, R. -215°, G. -252°, W. - 7°.
17438 C 4404	Fransinkari Range, front	61° 21.8' N 21° 24.9' E	Q.W.	16 5	4	Red rectangular daymark white stripe.	Visible 57°-65°.

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FINLAND-GULF OF BOTHNIA							
17438.1 C 4404.1	-Rear, 060°48' from front	61° 22.0' N 21° 25.8' E	L.FI.W. period 6s fl. 2s, ec. 4s	52 16	5	Red rectangular daymark white stripe.	Visible 57°-65°.
17440 C 4399	Viasvesi Range, front	61° 28.0' N 21° 33.9' E	F.W.	23 7	8	White rectangular daymark red banded.	Visible 95°30'-99°30'.
17444 C 4399.1	-Rear, 366 meters 097°18' from front	61° 27.8' N 21° 34.6' E	F.W.	75 23	8	White rectangular daymark red banded.	Visible 95°30'-99°30'.
17448 C 4398	Sappi	61° 28.7' N 21° 20.8' E	FI.(2+1)W. period 30s fl. 0.75s, ec. 3.05s fl. 0.75s, ec. 13.85s fl. 0.75s, ec. 10.85s	115 35	10	White round tower; 102.	
17452 C 4374	Kaijakari	61° 36.9' N 21° 21.4' E	FI.(2)W. period 20s fl. 0.5s, ec. 2s fl. 0.5s, ec. 17s	75 23	10	White round tower, red banded.	
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 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	FI.(2)R. period 6s fl. 0.3s, ec. 1.95s fl. 0.3s, ec. 3.45s	43 13	4	Red beacon.	Radar reflector.
	RACON		T(-)		10		(3 & 10 cm).
17463 C 4384.5	Levo Range, front	61° 35.3' N 21° 30.1' E	Iso.W. period 4s	30 9	11	Grey square beacon.	Visible 70°30'-74°30' Range 7M by day, visible 67°- 77°. Shown on request.
17463.1 C 4384.51	-Rear, 072°42' from front	61° 35.4' N 21° 31.0' E	Iso.W. period 12s	85 26	14	Grey square beacon.	Visible 70°30'-74°30' Range 8M by day, visible 67°- 77°. Shown on request.
17464 C 4388	Vassikkaniemi (Mantyluoto) Range, front	61° 36.0' N 21° 30.0' E	Q.Y.	49 15	5	White rectangular daymark red field.	Visible 108°-145°.
17468 C 4388.1	-Rear, 126°06' from front	61° 35.6' N 21° 29.6' E	L.FI.Y. period 6s fl. 2s, ec. 4s	75 23	5	White rectangular daymark red stripe.	Visible 108°-145°.
17472 C 4390	-Kirrinsanta Range, front	61° 36.0' N 21° 30.0' E	F.R.	30 9	2	Orange rectangular daymark.	
17476 C 4390.1	--Rear, 350 meters 089°18' from front	61° 35.8' N 21° 30.5' E	F.R.	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	33 10	9	White round tower.	G. 291°-85°30', W. -91°, R. - 111°.
17484 C 4394	-Commercial Harbor Range, front	61° 37.0' N 21° 27.0' E	F.R.	43 13	1	Red rectangular daymark yellow stripe.	Visible 215°30'-35°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°24' from front	61° 37.1' N 21° 26.0' E	F.R.	75 23	1	Red round beacon.	Visible 215°30'-35°30'.
17492 C 4369	Kupeli	61° 38.1' N 21° 19.7' E	V.Q.(2)W.R.G. period 3s fl. 0.5s, ec. 0s fl. 0.5s, ec. 2.5s	36 11	7	White mast, orange stripe.	W. 0°-90°, R. -222°, G. -246°, W. -252°, R. -324°, G. - 0°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF BOTHNIA							
	RACON		T(-)		9		(3 & 10 cm).
17496 C 4384	Kallo-Tiepenger Range, front	61° 36.0' N 21° 28.0' E	Q.W.	33 10	8	Red rectangular daymark yellow stripe.	Visible 47°30' -55°30'.
17500 C 4384.1	-Rear, 051°24' 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 49°-54°.
17504 C 4385	Kooshaka Range, front	61° 37.0' N 21° 29.0' E	Q.Y.	16 5	4	Red rectangular daymark yellow stripe.	Visible 29°30' -37°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 29°30' -37°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°30' -137°30'.
17510.1 C 4366.1	-Rear, 133°30' 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°30' -137°30'.
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.	
17544 C 4356	Stakki Range, front	61° 51.2' N 21° 18.5' E	Q.W.	36 11	5	Red rectangular daymark yellow stripe.	Visible 76°30' -92°30'.
17548 C 4356.1	-Rear, 084°18' from front	61° 51.3' N 21° 19.6' E	L.FI.W. period 6s fl. 2s, ec. 4s	52 16	6	Red rectangular daymark yellow stripe.	Visible 76°30' -92°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 24°-32°.
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 24°-32°.
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 86°-90°.
17610 C 4350.1	-Rear, 088°18' 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 86°-90°.
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 banded.	Radar reflector.
	RACON		T(-)		10		(3 & 10 cm).
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	144 44	17	White round tower, red top; 135.	Visible 336°-180°.
17628 C 4340	Sandskar-Idgrund Range, front	62° 07.9' N 21° 17.1' E	Q.R.	36 11	3	White rectangular daymark red banded.	Visible 75°-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 banded.	Visible 75°-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 67°30' -75°30'.
17652 C 4330.1	--Rear, 3148 meters 071°42' from front	62° 12.0' N 21° 22.9' E	L.FI.W. period 6s fl. 2s, ec. 4s	79 24	9	Red rectangular daymark yellow stripe.	Visible 67°30' -75°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 C 4328.2	-Kristiankaupunki	62° 12.2' N 21° 10.2' E	FI.(2)W. period 20s fl. 1s, ec. 3s fl. 1s, ec. 15s	75 23	12	Black metal tower, yellow front.	Helicopter platform.
	RACON		T(-)		12		(3 & 10 cm).
17680 C 4328	-Batskar Range, front	62° 14.8' N 21° 18.2' E	Q.W.	49 15	7	Red rectangular daymark yellow stripe.	Visible 55°-63°.
17684 C 4328.1	--Rear, 059° from front	62° 15.1' N 21° 19.3' E	L.FI.W. period 6s fl. 2s, ec. 4s	112 34	7	Red rectangular daymark yellow stripe.	Visible 55°-63°.
17708 C 4318	Salgrund	62° 20.1' N 21° 11.1' E	L.FI.W. period 30s fl. 3.2s, ec. 26.8s	98 30	16	Red round tower, white banded; 82.	
17720	-Storremgrund, RACON	62° 19.8' N 21° 12.8' E	T(-)		11		(3 & 10 cm).
17768 C 4312	Gashallan	62° 34.4' N 21° 02.3' E	FI.W.R.G. period 3s fl. 0.3s, ec. 2.7s	39 12	5		W. 9°-57°, R. -96°, G. -128°, W. -133°, R. -230°, G. - 318°, W. -324°, R. -343°, G. -9° Fishing light. Shown on request.
17769 C 4298.5	Ytterstgrund Range, front	62° 40.1' N 21° 05.2' E	Q.W.	20 6	5	Red rectangular daymark yellow stripe.	Visible 130°30'-134°30'.
17769.1 C 4298.51	-Rear, 132°24' from front	62° 40.7' N 21° 05.8' E	L.FI.W. period 6s fl. 2s, ec. 4s	66 20	6	Red rectangular daymark yellow stripe.	Visible 130°30'-134°30'.
17770 C 4298.6	Halgrund Range, front	62° 41.6' N 21° 05.3' E	Q.Y.	23 7	4	Yellow rectangular daymark red stripe.	Visible 53°30'-61°30'.
17770.1 C 4298.61	-Rear, 065°12' from front	62° 41.6' N 21° 05.5' E	Q.Y. period 1s	13 4	2	Yellow rectangular daymark red stripe.	Visible 49°-81° Fishing light. Shown on request.
17780 C 4299.2	Palnasgrynnan Range, front	62° 45.2' N 21° 08.2' E	Q.W.	23 7	5	Yellow rectangular daymark red stripe.	Visible 97°-105° Fishing light. Shown on request.
17784 C 4299.21	-Rear, 101°06' from front	62° 45.2' N 21° 08.9' E	L.FI.W. period 8s fl. 2s, ec. 6s	33 10	6	Yellow rectangular daymark red stripe.	Visible 97°-105° Fishing light. Shown on request.
17800 C 4300	Lillgrund	62° 49.1' N 21° 05.3' E	FI.W. period 3s fl. 0.3s, ec. 2.7s	43 13	5	Red round tower.	Fishing light. Shown on request.
17804 C 4302	Svettgrund	62° 52.1' N 21° 04.3' E	FI.W.R.G. period 3s fl. 0.3s, ec. 2.7s	36 11	5		W. 200°-24°, R. -56°, G. -84°, W. -97°, R. -200° Fishing light. Shown on request.
17808 C 4302.02	Norra Salhuvudet	62° 54.0' N 21° 06.0' E	FI.W.R.G. period 3s fl. 0.3s, ec. 2.7s	16 5	5	Yellow rectangular daymark.	G. 337°-7°, W. -10°, R. -40°, Obscured -153°, G. - 183°, W. -186°, R. -216°. Fishing light. Shown on request.
17812 C 4302.04	Tredjedelssternarna	62° 55.0' N 21° 07.0' E	FI.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 C 4302.06	Moikipaagrund	62° 55.6' N 21° 05.6' E	FI.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 C 4294	Strommingbadan, on Norra Kallan	62° 58.8' N 20° 44.4' E	L.FI.(4)W.R. period 20s fl. 2s, ec. 2s fl. 2s, ec. 2s fl. 2s, ec. 2s fl. 2s, ec. 6s	52 16	11	White round tower; 43.	W. 0°-170°, R. -200°, W. UNINTENSIFIED-310°, R. -0°.
	VAASA-RITGRUND APPROACH:						
17824 C 4224	-Ritgrund Beacon	63° 25.5' N 21° 30.6' E	FI.(2)W.R.G. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	82 25	9	Red column; 59.	W. 4°-65°, G. -115°, W. - 180°, R. -245°, G. -4°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF BOTHNIA							
17828 C 4238	-Truthallan Range, front	63° 17.2' N 21° 31.9' E	Q.W.	43 13	9	Red rectangular daymark yellow stripe.	Visible 167°-175°.
17832 C 4238.1	--Grillskar, rear, 1,111 meters. 171°12' from front	63° 16.6' N 21° 32.1' E	L.FI.W. period 6s fl. 2s, ec. 4s	75 23	10	Red rectangular daymark yellow stripe.	Visible 167°-175°.
17836 C 4241	-Holmgrund Range, front	63° 14.0' N 21° 27.9' E	Q.W.	36 11	7	Yellow rectangular daymark red stripe.	Visible 191°-199°.
17840 C 4241.1	--Replot, rear, about 1,574 meters 195°12' from front	63° 12.8' N 21° 27.2' E	L.FI.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.	20 6	3	Yellow rectangular daymark red stripe.	Visible 147°-179°.
17848 C 4242.1	--Fjallskar Norre, rear, 1,111 meters 163° from front	63° 12.3' N 21° 29.3' E	L.FI.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.FI.W. period 6s fl. 2s, ec. 4s	36 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.	26 8	4	Yellow rectangular daymark red stripe.	Visible 182°30'-214°30'.
17864 C 4274	--Harmi, rear, 3.7 kilometers 198°42' from front light	63° 07.8' N 21° 25.2' E	L.FI.W. period 6s fl. 2s, ec. 4s	62 19	7	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.	16 5	4	Yellow rectangular daymark red stripe.	Visible 19°-51°.
17872 C 4245.1	-Fjallskar, rear, about 1,574 meters 034°48' from front	63° 12.3' N 21° 29.6' E	L.FI.W. period 6s fl. 2s, ec. 4s	36 11	5	Yellow rectangular daymark red stripe.	Visible 19°-51°.
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'-14°30'.
17880 C 4246.1	--Rear, Espskar, about 2.6 kilometers 358°36' from front	63° 11.6' N 21° 25.3' E	L.FI.W. period 6s fl. 2s, ec. 4s	43 13	6	Yellow rectangular daymark red stripe.	Visible 354°30'-2°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 70°-78°.
17888 C 4264.51	-Rear, 074°18' from front	63° 09.1' N 21° 27.7' E	L.FI.Y. period 6s fl. 2s, ec. 4s	108 33	11	Red rectangular daymark yellow stripe.	Visible 70°-78°.
17892 C 4269.3	Furugrund Range, front	63° 10.0' N 21° 16.0' E	Q.W.	20 6	3	Yellow triangular beacon, red stripe.	Visible 0°-32° Shown on request.
17896 C 4269.31	-Rear, 016° from front	63° 09.8' N 21° 15.9' E	L.FI.W. period 6s fl. 2s, ec. 4s	26 8	3	Yellow triangular beacon, red stripe.	Visible 0°-32° Shown on request.
17900 C 4264.3	Storkobben Range, front	63° 06.1' N 21° 17.0' E	FI.Y. period 2s fl. 0.3s, ec. 1.7s	20 6	6	Red rectangular daymark yellow stripe.	Visible 105°-113°.
17904 C 4264.31	-Rear, about 1620 meters 109°12' from front	63° 05.7' N 21° 18.8' E	L.FI.Y. period 8s fl. 2s, ec. 6s	66 20	7	Red rectangular daymark yellow stripe.	Visible 105°-113°.
17908 C 4252	-Ostra Norrskar, S. side of NE. point of island	63° 14.8' N 20° 41.5' E	FI.(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.	G. 110°-139°, W. -206°, R. - 218°, G. -233°, W. -317°, R. -342°.

VAASA-WEST
APPROACH:

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF BOTHNIA							
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 banded.	In line 280°30' with 17913.
17912.5 C 4253.5	-Lotsgrund	63° 11.1' N 20° 43.0' E	FI.G. period 3s	43 13	5	STARBOARD (IALA A) Green beacon, topmark.	Radar reflector.
17913 C 4250.5	--Range, front	63° 13.7' N 20° 40.5' E	FI.W. period 2s fl. 0.5s, ec. 1.5s	36 11	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	FI.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	-Fletaggrund Range, front	63° 14.0' N 20° 37.0' E	Q.W.	20 6	5	Red rectangular daymark yellow stripe.	Visible 165°30'-172°30'.
17924 C 4253.1	--Rear, about 68 meters 169°30' from front	63° 14.1' N 20° 37.4' E	L.FI.W.R.G. period 6s fl. 2s, ec. 4s	33 10	5	Red rectangular daymark yellow stripe.	G. 134°-165°30', W. - 173°30', R. -182°, G. 339°-347°, W. -352°, R. - 6°.
17928 C 4261	-Vaasa	63° 14.4' N 20° 55.7' E	FI.(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°-55°, G. -61°, W. -65°, R. -105°, G. -116°, W. - 354°. Radar reflector.
	RACON		T(-)		10		(3 & 10 cm).
17932 C 4253.8	-Dersiskargrund	63° 04.0' N 20° 49.0' E	FI.W.R.G. period 3s fl. 0.3s, ec. 2.7s	20 6	5	White round beacon.	G. 356°-18°, W. -21°, R. -30°.
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 57°30'-65°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 57°30'-65°30'.
			FI.W.R.G. period 3s fl. 0.3s, ec. 2.7s	36 11	3		G. 2°-17°, W. -27°, R. -44°.
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 86°-117°.
17944 C 4292.1	--Rear, 213 meters 100°54' 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 86°-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 258°-266°.
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	95 29	9		Visible 259°30'-267°30'.
17948 C 4256	-Djupskar Range, front	63° 06.0' N 20° 49.0' E	Q.W.R.G.	13 4	4	White round tower, red stripe.	G. 290°30'-307°, W. -314°, R. -332°, W. -44°.
17952 C 4256.1	--Rear, Lilla Svartbadan, 1482 meters 020°42' from front	63° 06.9' N 20° 49.9' E	L.FI.W. period 6s fl. 2s, ec. 4s	26 8	6	Yellow rectangular daymark red stripe.	Visible 17°-25°.
17964 C 4259	-Veckargrund	63° 06.0' N 20° 50.0' E	FI.W.R.G. period 3s fl. 0.3s, ec. 2.7s	26 8	2	White round tower.	W. 26°-59°, R. -65°, G. -75°, W. -86°, R. -103°, G. - 108°, W. -193°.
17968 C 4291	-Svartsen	63° 05.5' N 20° 53.0' E	FI.W.R.G. period 3s fl. 1s, ec. 2s	20 6	4	Red rectangular daymark.	G. 71°-98°, W. -99°, R. - 133°30', W. -161°30'.
17970	-Skvattan, RACON	63° 07.8' N 20° 49.8' E	T(-)		10		(3 & 10 cm).
17972 C 4265	--Tjarnbadan	63° 03.0' N 21° 18.0' E	F.R.	16 5		Yellow triangle, point up daymark red stripe.	Visible 118°-151° Fishing light. Shown on request.
17976 C 4264	-Gasgrund Range, front	63° 06.5' N 21° 10.5' E	FI.W. period 2s fl. 0.3s, ec. 1.7s	23 7	8	Red rectangular daymark yellow stripes.	Visible 134°-142°. Radar reflector.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF BOTHNIA							
	RACON		T(-)		10		(3 & 10 cm).
17980 C 4264.1	--Rear, 4.1 km. 138° from front	63° 05.1' N 21° 13.3' E	L.FI.W. period 8s fl. 2s, ec. 6s	112 34	9	Red rectangular daymark yellow stripes.	Visible 134°-142°.
			FI.Y. period 3s fl. 0.3s, ec. 2.7s	39 12	4		Visible 225°-90° Fishing light. Shown on request.
17984 C 4268	-Malvetungsgrynnan	63° 10.0' N 21° 11.0' E	FI.W.R.G. period 3s fl. 0.3s, ec. 2.7s	23 7	W. 5 R. 1 G. 1	Grey structure.	G. 30°-119°, W. -125°, R. - 200°, G. -286°, W. -289°, R. -299°, G. -311°, W. - 317°, R. -30° Fishing light. Shown on request.
18016 C 4272.5	Graskal	63° 08.0' N 21° 20.0' E	FI.G. period 3s fl. 0.3s, ec. 2.7s	39 12	5	STARBOARD (IALAA) Green beacon, topmark.	Radar reflector.
18024 C 4273	Stengrund	63° 07.0' N 21° 21.0' E	FI.R. period 3s fl. 0.3s, ec. 2.7s	39 12	5	Red latticed tower, red rectangular daymark.	Radar reflector.
18028 C 4275	Kopparfuruskar Range, front	63° 08.0' N 21° 26.0' E	Q.W.	46 14	11	Yellow rectangular daymark red stripes.	Visible 77°30'-85°30'.
18032 C 4275.1	--Rear, 1,019 meters 081°24' from front	63° 08.2' N 21° 26.8' E	L.FI.W. period 6s fl. 2s, ec. 4s	92 28	12	Yellow rectangular daymark red stripes.	Visible 77°30'-85°30'.
18036 C 4275.5	-Norra Hasten	63° 07.0' N 21° 22.6' E	FI.R. period 3s fl. 0.3s, ec. 2.7s	26 8	4	Red round concrete tower.	Visible 272°30'-137°30'. Flood light. Radar reflector.
18040 C 4276	-Nagelprick Range, front	63° 07.0' N 21° 22.0' E	Q.Y.	16 5	7	Red rectangular daymark yellow stripes.	Visible 107°30'-115°30'. Radar reflector.
			FI.G. period 3s fl. 0.3s, ec. 2.7s	30 9	4		Flood light.
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	7	Red rectangular daymark yellow stripes.	Visible 107°30'-115°30'.
18045 C 4275.2	-Storhasten Range, front	63° 06.7' N 21° 22.0' E	Q.W.	16 5	4	Red rectangular daymark yellow stripes.	Visible 137°-145°.
18045.1 C 4275.3	--Rear, 510 meters 140°48' from front	63° 06.5' N 21° 22.4' E	L.FI.W. period 6s fl. 2s, ec. 4s	36 11	4	Red rectangular daymark yellow stripes.	Visible 137°-145°.
18048 C 4280.3	Jussi	63° 04.9' N 21° 34.4' E	V.Q.(2)W.R.G. period 3s	23 7	5	Grey metal mast, concrete base.	G. 99°-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°48' from front	63° 04.7' N 21° 32.8' E	L.FI.W. period 6s	23 7	3	White circle 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	6	White round concrete tower, red banded.	R. 9°-117°, G. -143°, W. - 147°, R. -255°30', G. - 316°, W. -318°30', R. - 331°30', G. -9°. 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°-35°, G. -98°, W. - 101°30', 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	59 18	5	Red rectangular daymark yellow stripe.	Visible 38°30'-46°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	5	Red rectangular daymark yellow stripe.	Visible 38°30'-46°30'.
18092 C 4271.3	Lustsiasema (pilot station), front	63° 12.7' N 21° 08.7' E	Q.Y.	16 5	4	Yellow triangular beacon.	Visible 18°30'-26°30'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF BOTHNIA							
18096 C 4271.31	-Rear, 022°36' from front	63° 12.7' N 21° 08.7' E	L.FI.Y. period 6s fl. 2s, ec. 4s	30 9	4	Yellow triangular beacon.	Visible 18°30'-26°30'.
18100 C 4271.4	Aallonmurtaja (jetty) Range, front	63° 12.7' N 21° 08.6' E	Q.W.	20 6	5	Yellow rectangular daymark red stripe.	Visible 125°-133°.
18104 C 4271.41	-Rear, 129°12' from front	63° 12.7' N 21° 08.7' E	L.FI.W. period 6s fl. 2s, ec. 4s	36 11	5	Yellow rectangular daymark red stripe.	Visible 125°-133°.
18108 C 4233	Klubballan	63° 20.0' N 21° 01.0' E	FI.Y.R.G. period 4s fl. 0.3s, ec. 2.7s	30 9	Y. 4 R. 5 G. 5	Yellow column, red banded.	Fishing light.
18112 C 4235.5	Klubbskat fishing harbor Range, front	63° 18.0' N 21° 06.0' E	Q.Y.	16 5	3	Yellow triangle, point up daymark red stripe.	Visible 126°30'-158°30' Fishing light. Shown on request.
18116 C 4235.51	-Rear, 73 meters 142°36' from front	63° 18.3' N 21° 06.1' E	L.FI.Y. period 6s fl. 2s, ec. 4s	26 8	3	Yellow triangle, point down daymark red stripe.	Visible 126°30'-158°30' Fishing light. Shown on request.
18120 C 4234.5	Radsksarsbadan Range, front	63° 19.0' N 21° 06.0' E	Q.Y.	23 7	7	Red rectangular daymark yellow stripe.	Visible 43°-51° Fishing light. Shown on request.
18124 C 4234.51	-Rear, 1,259 meters 046°48' 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 43°-51° 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	Masonry tower, white lantern.	G. 13°-69°, W. -90°, 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.
18148 C 4226	Valassaaret, W. side of Storskaret	63° 25.3' N 21° 04.1' E	FI.(4)W. period 20s fl. 0.75s, ec. 3s fl. 0.75s, ec. 3s fl. 0.75s, ec. 3s fl. 0.75s, ec. 8s	125 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°12' from front	63° 26.1' N 21° 04.5' E	L.FI.W. period 6s fl. 2s, ec. 4s	43 13	7	Red rectangular daymark yellow stripe.	Visible 118°-126°.
18160 C 4228	Norra Storon Range, front	63° 26.0' N 21° 04.0' E	Q.Y.	16 5	2	Red rectangular daymark yellow stripe.	Visible 89°30'-121°30'.
18164 C 4228.1	-Rear, 210 meters 105°24' from front	63° 26.2' N 21° 04.7' E	L.FI.Y. period 6s fl. 2s, ec. 4s	30 9	3	Red rectangular daymark yellow stripe.	Visible 89°30'-121°30'.
18168 C 4229	Stora Nikersgrund	63° 23.0' N 21° 10.0' E	FI.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.FI.W.R.G. period 12s fl. 3s, ec. 9s	79 24	12	Red round concrete tower, white banded.	R. 29°-37°, G. -44°, W. -56°, R. -63°, G. -69°, W. -158°, R. -338°, G. -355°, W. -29°.
RACON							(3 & 10 cm).
18174 C 4222	Malon	63° 18.2' N 21° 52.3' E	FI.W.R. period 4s fl. 0.5s, ec. 3.5s	26 8	5	Grey post.	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.FI.(3)W. period 30s fl. 2.5s, ec. 2.5s fl. 2.5s, ec. 2.5s fl. 2.5s, ec. 17.5s	69 21	12	White rectangular daymark.	Visible 346°-302°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF BOTHNIA							
18180 C 4220	Remsan	63° 31.0' N 22° 17.0' E	FI.W.R.G. period 4s fl. 0.5s, ec. 3.5s	26 8	5	Red lattice metal tower.	R. 8°-29°, G. -149°, W. -159°, R. -192°, G. -328°, W. -8° Fishing light. Shown on request.
18184 C 4217	-Grisselo	63° 37.0' N 22° 29.0' E	FI.W.R.G. period 4s fl. 0.5s, ec. 3.5s	16 5	5	Grey post.	Fishing light. Shown on request.
18188 C 4218	Hallgrund	63° 38.6' N 22° 25.2' E	FI.(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. -13°.
JAKOBSTAD APPROACH:							
18192 C 4216.7	-Nummersten	63° 41.0' N 22° 34.2' E	Q.W.	16 5	5	Grey post.	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 banded; 62.	G. 342°-47°, W. -160°, R. - 209°. PILOT STATION.
18197 C 4214.3	-Pietarsaari	63° 44.6' N 22° 31.7' E	FI.G. period 3s fl. 0.3s, ec. 2.7s	43 13	4	STARBOARD (IALAA) Green column, black top, daymark topmark.	
	RACON		T(-)		10		(3 & 10 cm).
18200 C 4212	-Rummelgrund Range, front	63° 44.7' N 22° 34.7' E	Q.W.	39 12	10	Red rectangular daymark yellow stripe.	Visible 85°-93°.
18204 C 4212.1	--Rear, Bredhallan, N. side, 089° from front	63° 44.7' N 22° 35.4' E	L.FI.W. period 6s fl. 2s, ec. 4s	75 23	11	Red rectangular daymark yellow stripe.	Visible 85°-93°.
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 119°48' from front	63° 43.4' N 22° 37.4' E	L.FI.Y. period 6s	52 16	7	Red rectangular daymark yellow stripe.	Visible 116°-124°.
18208 C 4216	-Borgmastargrund, front	63° 43.1' N 22° 42.1' E	Q.R.	30 9	8	Red rectangular daymark yellow stripe.	Visible 105°-109°.
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.FI.R. period 6s fl. 2s, ec. 4s	66 20	8	Red rectangular daymark yellow stripe.	Visible 105°-109°.
18216 C 4216.4	-Alholm Range, front	63° 42.5' N 22° 41.3' E	F.R.	26 8	3	Red triangle, point up daymark.	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 triangle, point down daymark.	Visible 154°30'-184°30'.
YKSPIHLAJA:							
18224 C 4200	-Tankar	63° 57.0' N 22° 50.8' E	FI.W. period 3.5s fl. 0.5s, ec. 3s	125 38	18	Red round metal tower, white banded; 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	43 13	6	White rectangular daymark black stripe.	Visible 108°-198°.
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 147°-159°.
18237 C 4202.4	-Tankarin Range, front	63° 57.0' N 22° 51.0' E	Q.G.	23 7	5	Mast.	Visible 181°30'-185°30'.
18237.1 C 4202.41	--Rear, 183°24' from front	63° 57.0' N 22° 51.2' E	L.FI.G. period 6s fl. 2s, ec. 4s	33 10	5	Mast.	Visible 181°30'-185°30'.
18238	-Bergbadan, RACON	63° 57.8' N 22° 53.7' E	T(-)		11		(3 cm).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF BOTHNIA							
18240 C 4203	-Kokkola	63° 59.8' N 22° 51.8' E	FI.(2)W.R.G. period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	75 23	13	White tower, red top; 75.	W. 65°-199°, R. -327°, G. - 65° Channel to Kokkola marked by lighted beacons and buoys. Helicopter platform.
	RACON		T(-)		12		(3 & 10 cm).
18242 C 4203.2	-Pietarinkanta	63° 59.2' N 22° 51.4' E	V.Q.(5)W. period 6s	43 13	4	White latticed tower, red banded.	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 147°-167°.
18248 C 4205.1	--Rear, 1,500 meters 156°54' from front	63° 55.2' N 22° 57.5' E	L.FI.W. period 8s fl. 2s, ec. 6s	62 19	11	Red rectangular daymark yellow stripe.	Visible 147°-167°.
18252 C 4204	-Santapankki Range, front	63° 56.9' N 22° 56.4' E	F.Q.W.	16 5	9	Red rectangular daymark yellow stripe.	Visible 137°30'-143°30'.
18256 C 4204.1	--Rear, about 1,900 meters 140°42' from front	63° 56.1' N 22° 57.8' E	L.FI.Y. period 6s fl. 2s, ec. 4s	69 21	9	Red rectangular daymark yellow stripe.	Visible 137°30'-143°30'.
18258 C 4203.4	-Trullevin Range, front	63° 54.8' N 23° 04.5' E	Q.W.	13 4	6	White triangle, point up daymark.	Visible 144°-147° Fishing light.
18258.1 C 4203.41	--Rear, 145°30' from front	63° 54.7' N 23° 04.7' E	L.FI.W. period 6s fl. 2s, ec. 4s	26 8	7	Structure, white triangle, point down daymark.	Visible 144°-147° Fishing light.
18260 C 4206	-Kladesklippan Range, front	63° 54.0' N 23° 01.1' E	Iso.Y. period 2s	23 7	5	Red rectangular daymark yellow stripe.	Visible 135°-141°.
18264 C 4206.1	--Rear, 1111 meters 138°12' from front	63° 53.6' N 23° 01.9' E	L.FI.Y. period 6s fl. 2s, ec. 4s	62 19	5	Red rectangular daymark yellow stripe.	Visible 135°-141°.
18268 C 4207	-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 C 4207.1	--Rear, 1,436 meters 161°06' from front	63° 50.8' N 23° 01.6' E	Iso.Y. period 6s	98 30	11	Red rectangular daymark yellow stripe.	Visible 151°-171°.
18274 C 4211.5	-Outokumpu Range, front	63° 51.6' N 23° 02.5' E	F.R.	36 11	5	White rectangular daymark red stripe.	Visible 53°30'-183°30'.
18275 C 4211.51	--Rear, 118°30' from front	63° 51.5' N 23° 02.7' E	F.R.	59 18	5	White rectangular daymark red stripe.	Visible 53°30'-183°30'.
18276 C 4208	-Krakholm Range, front	63° 50.6' N 22° 59.8' E	Q.W.	20 6	3	Red rectangular daymark yellow stripe.	Visible 191°30'-199°30'.
18280 C 4208.1	--Rear, about 370 meters 195°30' from front	63° 50.2' N 22° 59.5' E	L.FI.W. period 6s	49 15	4	Red rectangular daymark yellow stripe.	Visible 191°30'-199°30'.
18292 C 4211	-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 C 4211.1	--Rear, about 229 meters 144°48' from front	63° 49.7' N 23° 02.5' E	L.FI.W. period 6s	36 11	8	White rectangular daymark red stripe.	Visible 141°-149°.
18300 C 4209	-Breakwater, head	63° 51.2' N 23° 00.3' E	F.Y.	30 9	3	White round tower.	Visible 320°-260°. Flood light.
18304 C 4199	Poroluodonkari	63° 58.8' N 23° 08.8' E	FI.Y. period 3s fl. 0.3s, ec. 2.7s	66 20	4	Grey post.	Fishing light. Shown on request.
18308 C 4194	Ohtakari	64° 05.0' N 23° 25.0' E	F.W.	75 23	4	Grey latticed tower.	Fishing light. Shown on request.
18312 C 4195	Ruoppausvayla Range, front	64° 04.0' N 23° 38.0' E	F.R.	16 5	3	Red rectangular daymark yellow stripe.	Visible 18°-198° Fishing light. Shown on request.
18316 C 4195.1	--Rear, 108°12' from front	64° 04.4' N 23° 38.4' E	F.R.	30 9	3	Red rectangular daymark yellow stripe.	Visible 18°-198° Fishing light. Shown on request.

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FINLAND-GULF OF BOTHNIA							
18328 C 4198	Jokivayla Range, front	64° 04.0' N 23° 38.0' E	F.R.	16 5	3	Red rectangular daymark yellow stripe.	Visible 41°-221° Fishing light. Shown on request.
18332 C 4198.1	-Rear, 131°06' from front	64° 04.0' N 23° 38.5' E	F.R.	26 8	3	Red rectangular daymark yellow stripe.	Visible 41°-221° Fishing light. Shown on request.
18334 C 4196	Mansikkakari Range, front	64° 05.4' N 23° 35.4' E	Q.W.	26 8	7	White rectangular daymark red stripe.	Visible 111°-115° Fishing light. Shown on request.
18334.1 C 4196.1	-Rear, 112°48' from front	64° 05.3' N 23° 35.6' E	FI.W. period 3s fl. 0.5s, ec. 2.5s	46 14	7	White rectangular daymark red stripe.	Visible 111°-115° Fishing light. Shown on request.
			Q.W.	26 8	7		Visible 111°-115°.
18336 C 4193.2	Piekkö Range, front	64° 13.0' N 23° 44.0' E	Q.W.	23 7	8	Red rectangular daymark yellow stripe.	Visible 161°-165°.
18340 C 4193.21	-Rear, 162°48' from front	64° 13.3' N 23° 43.9' E	L.FI.W. period 6s fl. 2s, ec. 4s	46 14	9	Red rectangular daymark yellow stripe.	Visible 161°-165°.
18342	-Aijankallio RACON	64° 14.2' N 23° 36.6' E	T(-)		10		(3 cm).
18343 C 4192.5	Lepanen Range, front	64° 14.2' N 23° 38.7' E	Q.W.	39 12	8	Red rectangular daymark yellow stripe.	Visible 110°30'-118°30'.
18343.1 C 4192.51	-Rear, 114°18' from front	64° 14.0' N 23° 39.9' E	L.FI.W. period 6s fl. 2s, ec. 4s	85 26	9	Red rectangular daymark yellow stripe.	Visible 110°30'-118°30'.
18345 C 4193.3	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 C 4193.31	-Rear, 203°06' from front	64° 13.2' N 23° 42.8' E	L.FI.W. period 6s fl. 2s, ec. 4s	98 30	10	Red rectangular daymark white stripe.	Visible 199°30'-207°30'.
18349 C 4192.7	Keskuskari Range, front	64° 14.0' N 23° 47.0' E	Q.Y.	33 10	7	Red rectangular daymark yellow stripe.	Visible 102°-106°.
18350 C 4192.71	-Rear, 104°06' from front	64° 14.1' N 23° 48.2' E	L.FI.Y. period 6s fl. 2s, ec. 4s	82 25	8	Red rectangular daymark yellow stripe.	Visible 102°-106°.
18356 C 4192.6	Vihaspauha Range, front	64° 16.0' N 23° 50.0' E	Q.W.	62 19	11	Red rectangular daymark yellow stripe.	Visible 77°30'-85°30'.
18358 C 4193	Roima	64° 14.8' N 23° 41.1' E	FI.G. period 3s	43 13	4	Beacon, triangle, point up daymark.	Radar reflector.
18360 C 4192.61	-Rear, 1,111 meters 081°36' from front	64° 16.0' N 23° 51.0' E	L.FI.W. period 6s fl. 2s, ec. 4s	108 33	11	Red rectangular daymark yellow stripe.	Visible 77°30'-85°30'.
18364 C 4191	Kalajoki Range, front	64° 17.0' N 23° 55.0' E	F.W.	20 6	2	White rectangular daymark red stripe.	Visible 99°-179° Fishing light. Shown on request. Occasional.
18368 C 4191.1	-Rear, 180 meters 140°54' from front	64° 17.1' N 23° 55.4' E	F.W.	30 9	2	White rectangular daymark red stripe.	Visible 99°-179° Fishing light. Shown on request. Occasional.
18376 C 4193.6	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 C 4193.61	-Rear, about 185 meters 155°54' from front	64° 12.6' N 23° 39.8' E	FI.R. period 3s fl. 0.5s, ec. 2.5s	30 9	5	White rectangular daymark red stripe.	Visible 154°-158°.
18384 C 4193.7	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 C 4193.71	-Rear, about 700 meters 143°54' from front	64° 12.1' N 23° 41.2' E	FI.G. period 3s fl. 0.5s, ec. 2.5s	39 12	5	White rectangular daymark red stripe.	Visible 142°-146°.
18392 C 4192	Ulkokalla	64° 19.9' N 23° 26.8' E	FI.(3)W. period 20s fl. 0.26s, ec. 1.86s fl. 0.26s, ec. 1.86s fl. 0.26s, ec. 15.5s	52 16	9	Black round tower, white banded; 39.	

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FINLAND-GULF OF BOTHNIA							
18396 C 4190	Iso Klippi	64° 21.0' N 23° 57.0' E	FI.W. period 5s fl. 0.5s, ec. 4.5s	30 9	4	Grey wooden piles; 13.	Fishing light. Shown on request.
18400 C 4188	Nahkiainen	64° 36.7' N 23° 53.3' E	FI.(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, red top, lantern; 79.	Helicopter platform.
	RACON		T(-)		13		(3 & 10 cm).
18402 C 4188.4	Lannennokka Range, front	64° 34.0' N 24° 21.9' E	Q.W.	13 4	7	Red rectangular daymark white stripe.	Visible 142°-146° Fishing light. Shown on request.
18402.1 C 4188.41	-Rear, 143°54' from front	64° 33.8' N 24° 21.6' E	FI.W. period 3s fl. 0.5s, ec. 2.5s	20 6	8	Red rectangular daymark white stripe.	Visible 142°-146° Fishing light.
18404 C 4183	Raahe	64° 39.1' N 24° 13.4' E	FI.(2)Y. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 8s	72 22	7	White round concrete tower, red banded.	Radar reflector.
	RACON		T(-)		13		(3 & 10 cm).
18408 C 4184.4	-Virpipera Range, front	64° 40.0' N 24° 25.0' E	Q.Y.	59 18	12	Red rectangular daymark yellow stripe.	Visible 59°30'-64°30'.
18412 C 4184.5	--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 59°30'-64°30'.
18420 C 4184	Heikinkari Range, front	64° 39.0' N 24° 21.0' E	FI.W. period 3s	23 7	10	Red rectangular daymark yellow stripe.	Visible 81°30'-89°30' Range 4M by day. Radar reflector.
	RACON		T(-)		8		(3 & 10 cm).
18424 C 4184.1	-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 81°30'-89°30' Range 5M by day.
18436 C 4186	Rojuniemi Range, front	64° 39.0' N 24° 25.0' E	FI.R. period 3s fl. 1s, ec. 2s	79 24	14	Yellow mast.	Visible 120°42'-131°42'.
18440 C 4186.1	-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 C 418	Karjula	64° 46.4' N 24° 08.9' E	FI.(4)W. period 20s fl. 0.15s, ec. 1.85s fl. 0.15s, ec. 1.85s fl. 0.15s, ec. 1.85s fl. 0.15s, ec. 13.85s	39 12	4	White beacon, red banded.	Radar reflector.
18444 C 4172	Tauvo (Haikaraki)	64° 48.8' N 24° 32.6' E	L.FI.W. period 6s fl. 2s, ec. 4s	105 32	8	Black mast; 98.	Visible 11°-191°.
18444.5 C 4173	-Fishing	64° 48.3' N 24° 32.9' E	U.Q.(2)W. period 6s	16 5	2	Red post.	Fishing light. Shown on request.
18444.7 C 4174	Rautakallio	64° 53.8' N 24° 45.5' E	Q.R.	30 9	2	Grey latticed tower.	Seasonal. Radar reflector.
18445 C 4170.6	Varjakka Range, front	64° 55.2' N 25° 06.4' E	Q.W.	13 4	7	Red square daymark yellow stripe.	Visible 172°-176° Fishing light. Seasonal.
18445.5 C 4170.61	-Rear, 174° from front	64° 55.1' N 25° 06.4' E	FI.W. period 3s fl. 0.5s, ec. 2.5s	30 9	8	Red square daymark yellow stripe.	Visible 172°-176° Fishing light. Seasonal.
	OULU APPROACH:						
18452 C 4142.1	-Marjaniemi	65° 02.4' N 24° 33.7' E	FI.(2)W. period 20s fl. 0.5s, ec. 2.2s fl. 0.5s, ec. 16.8s	98 30	16	White round tower; 82.	Visible 22°-225°. PILOT STATION.
18456 C 4143	-Marjaniemi Range, front	65° 02.4' N 24° 33.0' E	Iso.Y. period 4s	52 16	10	Red rectangular daymark yellow stripe.	Visible 85°-105°.

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FINLAND-GULF OF BOTHNIA							
18460 C 4143.1	--Rear, 095° from front	65° 02.4' N 24° 33.4' E	Q.Y. period 4s	20 6	9	Red rectangular daymark yellow stripe.	Visible 85°-105°.
18464 C 4145.8	-Holma	65° 07.9' N 24° 18.1' E	V.Q.(9)W. period 10s	39 12	4	W. CARDINAL Yellow beacon, black topmark, black banded, yellow base.	Radar reflector.
18470 C 4145.4	-Oulu Portti	65° 11.1' N 24° 22.2' E	FI.R. period 3s	39 12	4	PORT (IALAA) Red piles, topmark.	Radar reflector.
18472 C 4145	-Oulu No 1	65° 11.4' N 24° 30.2' E	FI.W.R.G. period 5s fl. 0.5s, ec. 4.5s	72 22	11	Black round concrete tower, white banded.	G. 41°-57°, W. -149°, R. - 190°, G. -288°, W. -290°, R. -41°.
	RACON		T(-)		14		(3 & 10 cm).
18476 C 4146	-Oulu No 2	65° 10.5' N 24° 35.2' E	FI.(2)W.R.G. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	72 22	4	White masonry tower, black banded; 79.	R. 5°-60°, G. -119°30', W. - 122°30', R. -185°, G. - 315°, W. -319°, R. -333°, G. -0° W., . -5°.
18477 C 4147.05	-Keskinieimi Range, front	65° 04.8' N 24° 39.2' E	FI.W. period 6s fl. 0.5s, ec. 5.5s	30 9	7	White beacon.	Rear beacon unlit, 104°54' 4M from front. Radar reflector.
18478 C 4146.5	-Valitamala	65° 08.8' N 24° 32.5' E	FI.(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 column, red stripe.	Radar reflector.
18480 C 4147	-Oulu No 3	65° 08.9' N 24° 39.5' E	FI.(3)W.R.G. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6.5s	72 22	4	White round concrete tower, red banded; 79.	G. 36°-134°30', W. -135°30', R. -216°, G. -296°, W. - 297°, R. -36°.
18480.5 C 4147.1	-Kotalahti Range, common front	65° 07.3' N 24° 47.0' E	Q.W.	39 12	5	Red round tower, white stripe.	Visible 233°30'-249°30'. Radar reflector.
18480.51 C 4147.11	--W. rear, 1.2 miles 241°36' from common front	65° 06.7' N 24° 44.4' E	L.FI.W. period 6s fl. 2s, ec. 4s	82 25	6	Red rectangular daymark white stripe.	Visible 237°30'-245°30'. Radar reflector.
18480.52 C 4147.09	--E., rear, 1.2 miles 114°48' from common front	65° 06.7' N 24° 49.7' E	L.FI.W. period 6s fl. 2s, ec. 4s	92 28	7	Red rectangular daymark white stripe.	Visible 111°-119°. Radar reflector.
18481 C 4147.15	-Liberta	65° 08.2' N 24° 42.2' E	FI.G. period 3s fl. 0.3s, ec. 2.7s	39 12	5	STARBOARD (IALAA) Green piles, topmark.	Radar reflector.
18482 C 4147.2	-Oulu No 4	65° 07.6' N 24° 47.2' E	FI.R. period 3s fl. 0.3s, ec. 2.7s	46 14	5	Red beacon.	Radar reflector.
18484 C 4147.3	--No 5	65° 08.1' N 24° 50.7' E	FI.G. period 3s fl. 0.3s, ec. 2.7s	39 12	4	STARBOARD (IALAA) Green beacon, topmark.	Radar reflector.
18485 C 4147.5	-Hammasmatala	65° 08.5' N 24° 53.1' E	FI.G. period 3s fl. 0.3s, ec. 2.7s	39 12	5	STARBOARD (IALAA) Green piles, topmark.	Radar reflector.
18488 C 4148	-Hoikka Range, front	65° 06.0' N 25° 01.7' E	Q.W.	16 5	6	Red rectangular daymark yellow stripe.	Visible 145°-153°.
18492 C 4148.1	--Rear, 149°24' from front	65° 05.7' N 25° 02.1' E	L.FI.W. period 6s fl. 2s, ec. 4s	46 14	7	Red rectangular daymark yellow stripe.	Visible 145°30'-153°30'.
18496 C 4150	-Luodematala Range, front	65° 10.1' N 24° 59.4' E	Q.W.	30 9	8	Red round concrete tower; 23.	Visible 57°30'-65°30'.
	RACON		T(-)		11		(3 cm).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF BOTHNIA							
18496.1 C 4150.1	--Lansiletto, rear, about 2780 meters 061°36' from front	65° 10.8' N 25° 02.7' E	L.FI.W. period 6s fl. 2s, ec. 4s	62 19	8	Red square concrete tower; 49.	Visible 57°30'-65°30'.
18498 C 4106	-Nimeton Range, front	65° 12.3' N 25° 01.9' E	Q.W.	33 10	8	Red rectangular daymark yellow stripe.	Visible 165°30'-169°30'.
18499 C 4106.1	--Rear, about 1.5 miles 167°42' from front	65° 10.8' N 25° 02.7' E	L.FI.W. period 8s fl. 2s, ec. 4s	115 35	8	Red rectangular daymark yellow stripe.	Visible 165°30'-169°30' Adjacent to Lansiletto rear.
18504 C 4152	-Kattilankalla Range, front	65° 08.3' N 24° 59.6' E	Q.Y.	26 8	7	Red square daymark yellow stripe.	Visible 90°30'-98°30'.
18508 C 4152.1	--Rear, 2.6 kilometers 095°24' from front	65° 08.1' N 25° 03.0' E	L.FI.Y. period 6s fl. 2s, ec. 4s	69 21	8	Red rectangular daymark yellow stripe.	Visible 91°30'-99°30'.
18520 C 4153	-Loyha Range, front	65° 06.1' N 25° 08.4' E	Q.W.	46 14	6	Red rectangular daymark yellow stripe.	Visible 106°-114°.
18524 C 4153.1	--Rear, 305 meters 110°12' from front	65° 06.1' N 25° 08.9' E	L.FI.W. period 6s fl. 2s, ec. 4s	92 28	6	Red rectangular daymark yellow stripe.	Visible 106°-114°.
18527 C 4109	-Olli Range, front	65° 07.2' N 25° 05.7' E	Q.Y.	33 10	5	Yellow rectangular daymark red stripe.	Visible 267°-275°.
18527.1 C 4109.1	--Rear, 271° from front	65° 07.2' N 25° 04.6' E	L.FI.Y. period 6s fl. 2s, ec. 4s	66 20	5	Yellow rectangular daymark red stripe.	Visible 267°-275°.
18528 C 4154	-Hanhikari Range, front	65° 07.3' N 25° 05.2' E	Q.G.	26 8	4	White rectangular daymark red stripe.	Visible 321°-329°.
18532 C 4154.1	--Rear, 293 meters 323° from front	65° 07.4' N 25° 05.0' E	L.FI.G. period 6s fl. 2s, ec. 4s	52 16	4	White rectangular daymark red stripe.	Visible 321°-329°.
18533 C 4110.3	Loyhanmutka	65° 06.8' N 25° 06.5' E	V.Q.(9)W. period 10s	39 12	4	W. CARDINAL Yellow mast, black topmark, black banded, yellow base.	Radar reflector.
18533.5 C 4110	Ollinmatala	65° 07.0' N 25° 06.9' E	V.Q.W.	39 12	4	N. CARDINAL Black piles, black topmark, yellow base.	Radar reflector.
18536 C 4155.5	-Hiuvet Range, front	65° 07.9' N 25° 07.9' E	Q.W.	26 8	3	Red rectangular daymark yellow stripe.	Visible 30°30'-38°30'.
18536.1 C 4155.51	--Rear, 366 meters 035° from front	65° 08.1' N 25° 08.1' E	L.FI.W. period 6s fl. 0.5s, ec. 2.5s	49 15	4	Red rectangular daymark yellow stripe.	Visible 30°30'-38°30'.
18538 C 4107	-Kajava Range, front	65° 09.7' N 25° 08.9' E	Q.W.	33 10	6	Red rectangular daymark yellow stripe.	Visible 142°-146°.
18538.1 C 4107.1	--Rear, 143°48' from front	65° 09.1' N 25° 09.9' E	L.FI.W. period 6s fl. 2s, ec. 4s	89 27	7	Red rectangular daymark yellow stripe.	Visible 140°-148°.
18539 C 4105.5	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 C 4107.3	Isomatala	65° 11.7' N 25° 05.1' E	FI.R. period 3s fl. 0.3s, ec. 2.7s	43 13	4	Red beacon.	Radar reflector.
18540.5 C 4107.4	-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 C 4156	-Valikivikko Range, front	65° 07.3' N 25° 03.5' E	Q.W.	30 9	6	Red rectangular daymark yellow stripe.	Visible 304°-312°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF BOTHNIA							
18541.5 C 4156.1	--Rear, 307°36' from front	65° 07.8' N 25° 02.2' E	L.FI.W. period 6s fl. 2s, ec. 4s	85 26	6	Red rectangular daymark yellow stripe.	Visible 304°-312°.
18542 C 4124	-Kropsu Range, front	65° 09.0' N 25° 11.2' E	Q.W.	23 7	7	Red rectangular daymark yellow stripe.	Visible 191°-195°.
18542.1 C 4124.1	--Rear, 193° from front	65° 09.0' N 25° 11.1' E	L.FI.W. period 8s fl. 2s, ec. 6s	43 13	7	Red rectangular daymark yellow stripe.	Visible 191°-195°.
18544 C 4108.5	-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 C 4108	-Hietakari Range, front	65° 06.7' N 25° 11.6' E	Q.W.	33 10	6	Red rectangular daymark yellow stripe.	Visible 150°-158°.
18546.1 C 4108.1	--Rear, 154°06' from front	65° 06.1' N 25° 12.3' E	L.FI.W. period 6s fl. 2s, ec. 4s	85 26	7	Red rectangular daymark yellow stripe.	Visible 150°-158°.
18547 C 4156.4	-Pensaskari Range, front	65° 03.7' N 25° 14.6' E	Q.W.	33 10	6	Red rectangular daymark yellow stripe.	Visible 124°-132°.
18547.1 C 4156.41	--Rear, 127°36' from front	65° 03.2' N 25° 16.1' E	L.FI.W. period 6s fl. 2s, ec. 4s	85 26	6	Red rectangular daymark yellow stripe.	Visible 124°-132°.
18548 C 4157	-Rautaletto Range, front	65° 06.1' N 25° 09.2' E	Q.W.	43 13	6	Red rectangular daymark yellow stripe.	Visible 317°30'-325°30'.
18552 C 4157.1	--Rear, 926 meters 321°36' from front	65° 06.5' N 25° 08.4' E	L.FI.W. period 6s fl. 2s, ec. 4s	98 30	6	Red rectangular daymark yellow stripe.	Visible 317°30'-325°30'.
18556 C 4107.5	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'.
18560 C 4107.51	-Rear, 208°42' from front	65° 07.9' N 25° 06.8' E	FI.W. period 3s fl. 0.5s, ec. 2.5s	46 14	6	White rectangular daymark black stripe.	Visible 206°30'-210°30'.
18569 C 4168	-Johanssoninranta Range, front	65° 00.9' N 25° 26.2' E	F.R.	23 7	3	White rectangular daymark red stripe.	Visible 351°30'-23°30'.
18569.1 C 4168.1	--Rear, 007°30' from front	65° 01.0' N 25° 26.2' E	F.R.	36 11	3	White rectangular daymark red stripe.	Visible 351°30'-23°30'.
18570 C 4168.5	-Johteensalmi Range, front	65° 00.9' N 25° 26.1' E	F.R.	30 9	3	White rectangular daymark red stripe.	Visible 245°-277°.
18570.1 C 4168.51	--Rear, 261° from front	65° 00.9' N 25° 26.0' E	F.R.	43 13	3	White rectangular daymark red stripe.	Visible 245°-277°.
18571 C 4168.3	-Korkeasaari Range, front	65° 01.2' N 25° 27.0' E	F.R.	16 5	3	White rectangular daymark red stripe.	Visible 21°-53°.
18571.1 C 4168.31	--Rear, 037° from front	65° 01.2' N 25° 27.0' E	F.R.	30 9	3	White rectangular daymark red stripe.	Visible 21°-53°.
18573 C 4166.5	-Vihreasaari Range, front	65° 00.4' N 25° 24.3' E	F.R.	20 6	4	White triangle, point up daymark red stripe.	Visible 353°30'-173°30'.
18573.1 C 4166.51	--Rear, 283 meters 083°48' from front	65° 00.4' N 25° 24.7' E	F.R.	26 8	3	White triangle, point down daymark red stripe.	Visible 353°30'-173°30'.
18576 C 4158	Kyronkari Range, front	65° 00.7' N 25° 20.2' E	Q.W.	13 4	3	Red rectangular daymark yellow stripe.	Visible 207°-215°.
18580 C 4158.1	-Rear, 211° from front	64° 60.0' N 25° 19.1' E	L.FI.W. period 3s fl. 2s, ec. 4s	36 11	4	Red rectangular daymark yellow stripe.	Visible 207°-215°.
OULU:							
18584 C 4166	-Oritkari Range, front	64° 59.9' N 25° 24.6' E	Dir.Iso.W.R.G. period 4s	52 16	12	White rectangular daymark red stripe.	G. 119°30'-124°, W. -125°, R. -129°30' Day range 3M.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF BOTHNIA							
18588 C 4166.1	--Rear, 0.55 mile 124°36' from front	64° 59.6' N 25° 25.7' E	Iso.W. period 6s	138 42	12	Black rectangular daymark red stripe; 131.	Visible 122°-127° Aero. F.R. on top of structure. Day range 18M.
18589 C 4166.3	-Nuottasaari Range, front	65° 00.2' N 25° 25.4' E	F.G.	20 6	3	White rectangular daymark black stripe.	Visible 334°-154°.
18589.1 C 4166.31	--Rear, 064°12' from front	65° 00.2' N 25° 25.5' E	F.G.	33 10	3	White rectangular daymark black stripe.	Visible 334°-154°.
18597 C 4170	-Pajuniemi Range, front	65° 00.5' N 25° 11.8' E	Q.W.	39 12	11	White rectangular daymark red stripe.	Visible 98°-118°.
18597.1 C 4170.1	--Rear, 340 meters 107°48' from front	65° 00.5' N 25° 12.2' E	L.FI.W. period 6s fl. 2s, ec. 4s	39 12	12	White rectangular daymark red stripe.	Visible 98°-118°.
18598 C 4170.4	-Huikku Range, front	65° 02.3' N 25° 04.0' E	Q.W.	20 6	9	White rectangular daymark red stripe.	Visible 292°30'-312°30'.
18598.1 C 4170.41	--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°30'-312°30'.
OULU APPROACH:							
18604 C 4162	-Toppilansalmi	65° 02.5' N 25° 24.9' E	F.W.	30 9	3	Grey piles.	4 F.W. lights on piles are shown Aug. 15 to close of navigation, in channel between Toppilasund and Uleaborg.
18608 C 4160	--Toppila Range, front	65° 02.7' N 25° 25.0' E	Q.R.	20 6	4	Red rectangular daymark yellow stripe.	Visible 80°-95°.
18612 C 4160.1	--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 80°-95°.
18616 C 4161	-Toppilansalmi Range, front	65° 02.4' N 25° 25.5' E	Iso.G. period 2s	39 12	5	Red rectangular daymark white stripe; 6.	Visible 107°-122°.
18620 C 4161.1	--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 C 4165.4	Kraaselin Kaivanto Range	65° 06.1' N 25° 21.0' E	Q.W.	16 5	6	White rectangular daymark red stripe.	Visible 109°30'-113°30'.
18630.1 C 4165.41	-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 109°30'-113°30'.
18636 C 4164	Rapankari Range, front	65° 06.1' N 25° 21.4' E	Q.W.	23 7	5	White rectangular daymark red stripe.	
18640 C 4164.1	-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.	
18650 C 4165.2	Taskisenranta Range, front	65° 05.8' N 25° 23.0' E	F.Y.	20 6	1	Yellow rectangular daymark red stripe.	Visible 53°-73°.
18650.1 C 4165.21	-Rear, 063° from front	65° 05.9' N 25° 23.2' E	F.Y.	39 12	1	Yellow rectangular daymark red stripe.	Visible 53°-73°.
18652 C 4130	Vehkapera Range, front	65° 07.2' N 25° 18.0' E	Q.W.	33 10	9	White rectangular daymark red stripe.	Visible 87°-91°.
18656 C 4130.1	-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 87°-91°.
18660 C 4126	Virpiniemi Range, front	65° 07.9' N 25° 13.8' E	Q.W.	23 7	4	Red rectangular daymark yellow stripe.	Visible 145°30'-153°30'. Seasonal.
18664 C 4126.1	-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	5	Red rectangular daymark yellow stripe.	Visible 145°30'-153°30'. Seasonal.
18668 C 4128	Isoniemi Range, front	65° 08.9' N 25° 13.9' E	Q.W.	23 7	4	White rectangular daymark red stripe.	Visible 14°-22°. Seasonal.

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FINLAND-GULF OF BOTHNIA							
18672 C 4128.1	-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	5	White rectangular daymark red stripe.	Visible 14°-22°. Seasonal.
18680 C 4122	Rivinletto	65° 12.1' N 25° 14.9' E	FI.W. period 3s fl. 0.3s, ec. 2.7s	26 8	4	White tower.	Visible 16°-284° In line 122°30' with beacons. Shown on request.
18684 C 4123	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.
18684.1 C 4123.1	-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 C 4120	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 C 4120.1	-Rear, 138° from front	65° 11.7' N 25° 17.8' E	F.Y.	26 8	7	Red rectangular daymark yellow stripe.	Visible 134°30'-137°30'. Seasonal.
18692 C 4121	Haukipudas Range, front	65° 12.8' N 25° 17.2' E	Q.W.	20 6	6	Red rectangular daymark white stripe.	Visible 66°30'-70°30'. Seasonal.
18696 C 4121.1	-Rear, 068°30' from front	65° 12.8' N 25° 17.4' E	L.FI.W. period 8s fl. 2s, ec. 6s	52 16	7	Red rectangular daymark white stripe.	Visible 66°30'-70°30'. Seasonal.
18705 C 4118	Kriisi	65° 14.6' N 25° 11.6' E	Q.(2)W. period 6s	49 15	4	Black square wooden building, yellow.	Visible 313°-175° Fishing light. Seasonal.
18706 C 4119	-E. Range, front	65° 14.8' N 25° 12.7' E	Q.W.	13 4	2	White rectangular daymark red stripe.	Visible 220°30'-228°30'. Fishing light. Seasonal.
18706.1 C 4119.1	-Rear, 224°30' from front	65° 14.7' N 25° 12.4' E	FI.W. period 3s fl. 0.5s, ec. 2.5s	30 9	3	White rectangular daymark red stripe.	Visible 220°30'-228°30'. Seasonal.
18708 C 4116	Satakari Range, front	65° 15.9' N 25° 13.3' E	Q.W.	13 4	6	Red rectangular daymark yellow stripe.	Visible 359°30'-3°30'. Seasonal.
18708.1 C 4116.1	-Rear, 001°30' from front	65° 16.6' N 25° 13.4' E	FI.W. period 3s fl. 0.5s, ec. 2.5s	49 15	6	Red rectangular daymark yellow stripe.	Visible 359°30'-3°30'. Seasonal.
18712 C 4115	Pitkaniemi, front	65° 16.5' N 25° 16.1' E	Q.W.	23 7	2	White rectangular daymark red stripe.	Visible 165°30'-173°30'. Seasonal.
18716 C 4115.1	-Rear, 110 meters 169°30' from front	65° 16.4' N 25° 16.2' E	L.FI.W. period 6s fl. 2s, ec. 4s	46 14	3	White rectangular daymark red stripe.	Visible 165°30'-173°30'. Seasonal.
18720 C 4114.5	Sekaletto Range, front	65° 17.4' N 25° 16.4' E	Q.Y.	26 8	3	White rectangular daymark red stripe.	Visible 144°30'-152°30'. Seasonal.
18724 C 4114.51	-Rear, 91 meters 149° from front	65° 17.3' N 25° 16.5' E	L.FI.Y. period 6s fl. 2s, ec. 4s	49 15	3	White rectangular daymark red stripe.	Visible 144°30'-152°30'. Seasonal.
18732 C 4114.2	-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 C 4114.21	-Rear, 176°30' from front	65° 18.3' N 25° 14.5' E	FI.G. period 3s fl. 0.5s, ec. 2.5s	30 9	2	Red rectangular daymark white stripe.	Visible 160°-193°. Seasonal.
18740 C 4113	Tangonsaari, front	65° 19.0' N 25° 16.0' E	Q.W.	20 6	7	White rectangular daymark red stripe.	Visible 4°-8°. Seasonal.
18744 C 4113.1	-Rear, 550 meters 006° from front	65° 19.0' N 25° 16.1' E	L.FI.W. period 6s fl. 2s, ec. 4s	49 15	8	White rectangular daymark red stripe.	Visible 4°-8°. Seasonal.
18752 C 4112.6	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 C 4112.61	-Rear, 500 meters 149° from front	65° 20.3' N 25° 15.3' E	FI.W. period 3s fl. 0.5s, ec. 2.5s	43 13	6	White rectangular daymark black stripe.	Visible 147°-151°. Seasonal.
18760 C 4112.4	Kayranletto Range, front	65° 22.0' N 25° 15.0' E	Q.W.	16 5	6	White rectangular daymark red stripe.	Visible 56°30'-60°30'. Seasonal.

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FINLAND-GULF OF BOTHNIA							
18760.1 C 4112.41	-Hiuvet, rear, 058°30' from front	65° 22.2' N 25° 17.4' E	FI.W. period 3s fl. 0.5s, ec. 2.5s	49 15	6	White rectangular daymark red stripe.	Visible 56°30'-60°30'. Seasonal.
18764 C 4112.3	Rontti Range, front	65° 22.0' N 25° 14.0' E	Q.W.	30 9	10	Red rectangular daymark yellow stripe.	Visible 169°-173°. Seasonal.
18768 C 4112.31	-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 C 4082	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 banded; 69.	Radar reflector. Helicopter platform.
	RACON		T(-)		12		(3 & 10 cm).
18776 C 4101	Ulkokrunni Range, front	65° 23.4' N 24° 50.4' E	Q.W. period 2s	33 10	8	Red rectangular daymark yellow stripe.	Visible 144°-148°.
18780 C 4101.1	-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 quadrilateral tower, white rectangular daymark.	Visible 144°-148°.
18784 C 4102	Maakrunni Range, front	65° 24.0' N 25° 00.0' E	Q.W.	33 10	8	Red rectangular daymark yellow stripe.	Visible 109°30'-113°30'.
18788 C 4102.1	-Rear, 111°36' from front	65° 24.2' N 25° 01.4' E	L.FI.W. period 6s fl. 2s, ec. 4s	98 30	9	Red rectangular daymark yellow stripe.	Visible 109°30'-113°30'.
18788.5 C 4102.5	Pohjanletto	65° 25.4' N 24° 51.5' E	V.Q.(3)W. period 5s	39 12	3	E. CARDINAL Black beacon, black topmark, yellow banded, black base.	Radar reflector.
18789 C 4103	Pohjanletto Range, front	65° 24.0' N 24° 52.1' E	Q.W.	33 10	8	Red rectangular daymark yellow stripe.	Visible 331°30'-335°30'.
18789.1 C 4103.1	-Rear, 333° from front	65° 25.0' N 24° 50.9' E	L.FI.W. period 6s fl. 2s, ec. 4s	102 31	8	Red rectangular daymark yellow stripe.	Visible 331°30'-335°30'.
18790 C 4104	Tyni Range, front	65° 21.5' N 24° 53.8' E	Q.W.	33 10	6	Red rectangular daymark yellow stripe.	Visible 168°30'-176°30'.
18790.1 C 4104.1	-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 168°30'-176°30'.
18791 C 4105	Kraasukka Range, front	65° 19.4' N 24° 58.2' E	Q.W.	33 10	6	Red rectangular daymark yellow stripe.	Visible 343°30'-351°30'.
18791.1 C 4105.1	-Rear, 347°42' from front	65° 20.9' N 24° 57.8' E	L.FI.W. period 6s fl. 2s, ec. 4s	95 29	7	Red rectangular daymark yellow stripe.	Visible 343°30'-351°30'.
18792 C 4100	Harkaletto	65° 30.0' N 24° 50.6' E	FI.W.R.G. period 5s fl. 0.5s, ec. 4.5s	49 15	9	Black quadrilateral concrete tower; 36.	G. 329°-348°, W. -353°, R. - 4°, G. -18°, W. -27°, R. - 77°, G. -94°30', W. - 97°30', R. -122°30', G. - 146°, G. 206°-235°, W. - 243°, R. -272°.
18796 C 4082.5	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 banded.	Radar reflector.
18800 C 4112	Liippa Range, front	65° 32.1' N 25° 02.0' E	Q.W.	16 5	6	Red rectangular daymark yellow stripe.	Visible 293°-297°. Seasonal.
18804 C 4112.1	-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 C 4099.4	Tiuranen Range, front	65° 37.0' N 24° 57.2' E	Q.W.	33 10	6	White rectangular daymark red stripe.	Visible 92°-96°. Seasonal.
18812 C 4099.5	-Rear, Korkeakari W. Beach, about 1200 meters 094° from front	65° 35.9' N 24° 58.8' E	V.Q.(5)W. period 6s	56 17	6	White rectangular daymark red stripe.	Visible 92°-96°. Seasonal.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF BOTHNIA							
18816 C 4099	Mantaja Range, front	65° 37.3' N 24° 52.5' E	Q.W.	30 9	6	White rectangular daymark red stripe.	Visible 320°-324°. Seasonal.
18820 C 4099.1	-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.
18824 C 4098.5	Ykskivi	65° 36.1' N 24° 42.0' E	FI.W.R.G. period 4s fl. 0.5s, ec. 3.5s	30 9	4	Red tower, white.	G. 106°-117°30', W. -123°, R. -137°. Seasonal.
18828 C 4083	Keminkraaseli	65° 36.7' N 24° 33.5' E	FI.(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, black top; 78.	G. 246°-264°, W. -268°, R. -279°30', G. -334°, G. -339°, W. -344°, R. -22°, G. -36°, W. -41°, R. -76°, G. -135°30', W. -141°, R. -153°30'.
	RACON		T(-)		12		(3 & 10 cm).
18830	Pohjantahti Beacon, RACON	65° 37.6' N 24° 22.4' E	T(-)		11		(3 cm).
18832 C 4083.7	Valikivikko	65° 30.3' N 24° 37.5' E	U.Q.(5)W. period 6s	43 13	6	White mast, black top; 46.	Radar reflector.
18836 C 4095	Ajoskrunki Range, front	65° 37.7' N 24° 35.5' E	L.FI.W. period 6s	39 12	7	Red rectangular daymark yellow stripe.	Visible 51°-59°.
18840 C 4095.1	-Rear, about 275 meters 055° from front	65° 37.8' N 24° 35.8' E	L.FI.W. period 6s fl. 2s, ec. 4s	79 24	7	Red rectangular daymark yellow stripe.	Visible 51°-59°.
18844 C 4096.3	Ruumiskari Range, front	65° 39.2' N 24° 39.5' E	Q.Y.	26 8	5	Red rectangular daymark yellow stripe.	Visible 46°30'-50°30'.
18848 C 4096.31	-Rear, 048°30' from front	65° 39.2' N 24° 39.6' E	L.FI.Y. period 8s fl. 2s, ec. 6s	43 13	6	Red rectangular daymark yellow stripe.	Visible 46°30'-50°30'.
18852 C 4096.34	Satamaranta Range, front	65° 40.2' N 24° 39.1' E	Q.W.	20 6	8	Red rectangular daymark yellow stripe.	Visible 128°-132°.
18856 C 4096.35	-Rear, 130° from front	65° 40.0' N 24° 39.6' E	L.FI.W. period 6s fl. 2s, ec. 4s	33 10	9	Red rectangular daymark yellow stripe.	Visible 128°-132°.
18860 C 4097	Pihlajakarilla Range, front	65° 39.9' N 24° 36.1' E	Iso.W. period 2s	26 8	10	Red rectangular daymark yellow stripe.	Visible 18°-29°.
18864 C 4097.1	-Rear, 023°30' from front	65° 40.3' N 24° 36.5' E	L.FI.W. period 6s fl. 2s, ec. 4s	52 16	13	Red rectangular daymark red stripe.	Visible 18°-29°.
18868 C 4096.4	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 C 4096.41	-Rear, 356°30' from front	65° 41.1' N 24° 38.1' E	Iso.R. period 6s	66 20	10	Red rectangular daymark white stripe.	Visible 354°-359°.
18880 C 4096.5	Kannonnokka Range, front	65° 41.3' N 24° 35.8' E	Q.W.	62 19	8	Red rectangular daymark yellow stripe.	Visible 307°30'-311°30'.
18884 C 4096.51	-Rear, 309°30' from front	65° 41.4' N 24° 35.5' E	L.FI.W. period 8s fl. 2s, ec. 6s	89 27	9	Red rectangular daymark yellow stripe.	Visible 307°30'-311°30'.
	KEMI:						
18892 C 4084	-Ajos Range, front	65° 39.8' N 24° 30.8' E	Iso.Y. period 2s	75 23	12	Red rectangular daymark yellow stripe.	Visible 12°-17°. PILOT STATION.
18896 C 4084.1	-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 12°-17°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
FINLAND-GULF OF BOTHNIA							
18898 C 4096.15	-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 C 4096.16	--Rear, about 890 meters 334°30' from front	65° 40.0' N 24° 35.0' E	FI.W. period 3s fl. 0.5s, ec. 2.5s	49 15	6	White rectangular daymark black stripe.	Visible 332°30'-336°30'. Seasonal.
18900 C 4083.5	-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 Yellow beacon, black topmark, black bottom.	Radar reflector.
18908 C 4085.4	-Lehtikari Range, front	65° 41.5' N 24° 30.1' E	Q.W.	16 5	5	Red rectangular daymark yellow stripe.	Visible 343°-3°.
18912 C 4085.41	--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°-3°.
18916 C 4085.7	-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 C 4085.71	--Rear, 193° from front	65° 40.5' N 24° 31.8' E	Iso.W. period 6s	33 10	7	White rectangular daymark red stripe.	Visible 190°30'-195°30'.
18924 C 4085.8	-Laitakari Range, front	65° 43.1' N 24° 34.4' E	Q.W.	16 5	6	Red rectangular daymark yellow stripe.	Visible 36°-41°.
18928 C 4085.81	--Rear 039° from front	65° 43.4' N 24° 35.1' E	Iso.W. period 6s	43 13	7	Red rectangular daymark yellow stripe.	Visible 36°-41°.
18932 C 4085.6	-Munakari Range, front	65° 41.8' N 24° 33.7' E	Q.W.	20 6	6	White rectangular daymark red stripe.	Visible 41°30'-46°30'.
18936 C 4085.61	--Rear, 043°30' from front	65° 43.1' N 24° 34.2' E	L.FI.W. period 8s fl. 2s, ec. 6s	43 13	7	White rectangular daymark red stripe.	Visible 41°30'-46°30'.
18948 C 4086	-Mansikkanokka Range, front	65° 43.6' N 24° 33.6' E	F.R.	23 7	2	Red rectangular daymark yellow stripe.	Visible 311°-71°.
18948.1 C 4086.1	--Rear, 630 meters 010°30' from front	65° 43.9' N 24° 33.8' E	F.R.	135 41	4	Tower.	Visible 354°-38°.
18952 C 4090	-Pajusaari Range, front, S. beach of Kukeli Island	65° 44.5' N 24° 32.3' E	F.R.	13 4	4	White rectangular daymark black stripe.	Visible 260°-80°.
18956 C 4090.1	--Rear, 337° from front	65° 44.6' N 24° 32.3' E	F.R.	30 9	4	White rectangular daymark black stripe.	Visible 260°-80°.
TORNIO:							
18960 C 5694	-Mainua Range, front	65° 39.5' N 24° 16.6' E	Q.W.	20 6	8	Red rectangular daymark yellow stripe.	Visible 305°30'-309°30'.
18964 C 5694.1	--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°30'-309°30'.
18965 C 5700	-Hamnskar Range, front	65° 41.4' N 24° 09.4' 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 C 5700.1	--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 C 5697	-Roytta Range, front, on wharf	65° 46.0' N 24° 09.0' E	Iso.W. period 2s	23 7	9	Red rectangular daymark yellow stripe.	Visible 337°-357°.
18972 C 5697.1	--Rear, 585 meters 347° from front	65° 46.2' N 24° 08.8' E	FI.W.R.G. period 3s fl. 1s, ec. 2s	82 25	W. 15 R. 3 G. 1	Red rectangular daymark yellow stripe.	G. 342°-346°30', W. - 347°30', R. -352° Day range 3M.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
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FINLAND-GULF OF BOTHNIA

18976 C 5697.3	Koivuluodonletto	65° 46.0' N 24° 14.0' E	V.Q.(3)W. period 5s	23 7	4	Grey mast.	Fishing light. Shown on request.
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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 (· · - · - · · · ·).			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 (· · - - · · · ·).			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 (· - · · · · · · · - · · ·).			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 (· · · · - - - · · · ·).			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	0° 00.0' N 0° 00.0' E	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	0° 00.0' N 0° 00.0' E	P (· - - ·).	20		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.	

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	451 0	178	289.5	100	3,7,9,16.
20	Skagen, W	57° 44.9' N 10° 35.7' E	453 0	145	296	100	3,7,9,16.
POLAND							
40	Dziwnow	54° 01.3' N 14° 43.9' E	481 0	80	283.5	200	1,3,7,16.
FINLAND							
160	Mantyluoto	61° 35.6' N 21° 27.7' E	401 601	135	287.5	100	3,6,7,9,16.
170	Outokumpu	62° 41.0' N 29° 01.6' E	403 603	49	304.5	100	3,6,7,9,16.
180	Porkkala	59° 58.5' N 24° 23.7' E	400 600	135	293.5	100	3,6,7,9,16.
190	Puumala	61° 24.4' N 28° 13.8' E	402 602	49	290	100	3,6,7,9,16.
200	Turku	60° 25.9' N 22° 13.2' E	404 604	108	301.5	100	3,6,7,9,16.
SWEDEN							
210	Bjuroklubb	64° 28.9' N 21° 34.8' E	461 0	108	311.5	100	3,6,7,9,16.
220	Jarnas	63° 28.7' N 19° 39.2' E	462 0	130	289	100	3,6,7,9,16.
250	Nynashamn	58° 55.0' N 17° 56.9' E	468 0	130	298	100	3,6,7,9,16.
260	Hoburg	56° 55.3' N 18° 09.1' E	465 0	130	297.5	100	3,6,7,9,16.
270	Kullen	56° 18.1' N 12° 27.1' E	466 0	108	293	100	3,6,7,9,16.
280	Hjortens Udde	58° 38.3' N 12° 40.0' E	467 0	68	302	100	3,6,7,9,16.
POLAND-BALTIC SEA							
6636	Rozewie	54° 49.8' N 18° 20.2' E	482 0	80	301	100	1,3,7,16.

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Ytternasan 10892
Ytterslandet 11900

Ytterstoren 18140
Yttre Vannskar 11324
Yugoslav 6808
Yuodkrante 11996
Yxhammarskubben 9376
Yxlan 9652

Z

ZAPADNAYA DVINA 12268
Zatoka Skoszewska 6244
Zulawy 6372

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		
F		P		W	
Friedrichsort	110	Porkkala	470	Warnemunde	140
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.
			C0100.9		1840	C0248.1		2184	C0354.1		248
C0001		1520	C0101		1836	C0253		2172	C0360		356
C0002		1524	C0101.1		1841	C0254		2176	C0360.1		360
C0004		1544	C0102		1844	C0255		2152	C0361		260
C0004.4		1540	C0102.1		1848	C0255.1		2156	C0364		308
C0006		1548	C0106		1860	C0257		2168	C0364.1		312
C0006.4		1552	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	C0290.01		52	C0378.6		344
C0033		1632	C0178.1		1944	C0291		64	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	C0354		848.2

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

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
C0416		852	C0504.21		772	C0583.5		1124.5	C0728.3		1400
C0416.1		856	C0504.3		776	C0583.51		1124.6	C0734		1401
C0417		836	C0504.31		780	C0589		1144	C0734.1		1401.1
C0417.5		832	C0504.36		784	C0594		1148	C0734.2		1403
C0418		828	C0504.37		788	C0618		1058	C0734.21		1403.1
C0419		826	C0504.4		792	C0619		1056	C0735		1404
C0422		528	C0504.41		796	C0620		1036	C0737		1408
C0426		544.1	C0504.6		800	C0623		1156	C0738		1416
C0427		544	C0504.61		804	C0624		1152	C0739		1428
C0428		540	C0506		808	C0625		1160	C0739.1		1432
C0430		548	C0507		810	C0626		1164	C0739.4		1441
C0434		552	C0508		816	C0628		1176	C0739.5		1442
C0434.1		556	C0510		812	C0630		1180	C0740		1436
C0438		560	C0511		820	C0632		1184	C0740.1		1440
C0438.1		564	C0511.4		819	C0634		1196	C0746		1420
C0444		568	C0512		824	C0636		1188	C0746.1		1424
C0446		572	C0514		860	C0644		1200	C0752		1444
C0447		576	C0514.1		864	C0650		1212	C0752.1		1448
C0447.1		580	C0517		868	C0652		1208	C0772		2220
C0448		584	C0520		876	C0654		1216	C0773.4		2232
C0450		604	C0521		872	C0656		1132	C0774		2234
C0452		608	C0523		888	C0658		1168	C0774.1		2234.1
C0456		588	C0525		884	C0659		1166	C0776		2233
C0458		592	C0525.5		886	C0660		1172	C0776.1		2233.1
C0460		596	C0526		892	C0664		1240	C0776.3		2248
C0462		600	C0526.1		896	C0666		1232	C0776.4		2244
C0463		612	C0528		916	C0670		1228	C0777		2250
C0464		616	C0530		920	C0671		1296	C0780.4		2218.1
C0468		620	C0530.1		924	C0673		1236	C0781		2218
C0468.1		624	C0532		928	C0674		1244	C0782		2212
C0472		628	C0532.1		932	C0680		1256	C0782.1		2216
C0474		632	C0536		936	C0682		1268	C0786		2252
C0474.1		636	C0536.1		940	C0682.5		1285	C0789.5		2294
C0482		648	C0552		960	C0682.51		1285.1	C0792		2280
C0482.1		652	C0552.1		964	C0682.6		1272	C0793		2282
C0485		656	C0556		968	C0682.61		1276	C0793.5		2281
C0485.1		660	C0556.3		959	C0682.7		1280	C0793.9		2283
C0486		664	C0556.5		958	C0682.71		1284	C0794.5		2287
C0488		668	C0557		944	C0683		1288	C0795		2289
C0488.1		672	C0557.1		948	C0683.1		1292	C0796		2286
C0489		708	C0558		972	C0683.2		1294	C0796.1		2286.1
C0489.4		701	C0558.7		973	C0683.21		1295	C0797.8		2287.5
C0490		680	C0559		974	C0683.4		1260	C0802.05		2275
C0490.6		684	C0559.1		975	C0683.5		1264	C0803		2275.1
C0491		688	C0560		992	C0684		1300	C0804		2275.2
C0491.1		690	C0561		996	C0692		1304	C0808		2292
C0491.4		692	C0562		1012	C0692.1		1308	C0810		2258
C0491.5		696	C0562.6		1000	C0693		1312	C0812		2271
C0493		712	C0563		1004	C0693.1		1316	C0812.5		2271.1
C0494		720	C0564		1044	C0698		1328	C0813		2269
C0494.8		716	C0564.5		1042	C0698.1		1332	C0813.2		2270
C0496		724	C0565		1020	C0698.4		1320	C0814		2264
C0498		728	C0566		1048	C0698.5		1324	C0814.1		2268
C0499		730	C0566.1		1052	C0704		1340	C0818		2262
C0500		731	C0567		1040	C0706		1344	C0819		2260
C0501		732	C0569		1024	C0708		1348	C0821		2296
C0502		752	C0570		1064	C0708.1		1352	C0822		2300
C0502.2		736	C0571		1075	C0714		1356	C0824		2304
C0502.21		740	C0571.6		1080	C0716		1360	C0837		2328
C0502.4		744	C0573		1088	C0722		1368	C0838		2332
C0502.41		748	C0574		943	C0724		1372	C0839		2336
C0503		754	C0575		1092	C0724.1		1376	C0842		2340
C0503.4		760	C0577		1068	C0726		1380	C0844		2344
C0503.6		756	C0583		1124.2	C0726.1		1384	C0846		2345
C0504.2		768	C0583.1		1124.21	C0728.2		1396	C0856		2368

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

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
C0856.1		2372	C0989.8		2736	C1117		2892	C1329		3148
C0860		2376	C0989.81		2740	C1122		2708	C1329.1		3152
C0860.1		2380	C0991		2748	C1126		2920	C1336		3140
C0866		2384	C0992		2752	C1126.1		2924	C1338		3144
C0866.1		2388	C0994		2760	C1134		2928	C1342		3244
C0870		2392	C0998		2764	C1136		2932	C1346		3248
C0870.1		2396	C0998.1		2768	C1136.1		2936	C1348		3252
C0876		2400	C1004		2776	C1137		2940	C1348.1		3256
C0876.1		2404	C1004.1		2780	C1140		2952	C1348.4		3260
C0877		2406	C1016		2788	C1140.1		2956	C1348.41		3264
C0880		2408	C1020		2784	C1146		2960	C1350		3272
C0884		2416	C1020.5		3926	C1146.1		2964	C1350.1		3276
C0885		2420	C1021.4		3927	C1166		2944	C1360		3304
C0888		2436	C1021.41		3927.1	C1166.1		2948	C1362		3308
C0890		2440	C1022		3924	C1175		2966	C1365.9		3302
C0890.2		2442	C1030		2652	C1175.5		2966.1	C1365.95		3303
C0890.21		2442.1	C1032		2712	C1176		2972	C1370		3296
C0890.4		2444	C1034		2716	C1180		2980	C1370.1		3300
C0893.5		2432	C1035.3		2718	C1180.1		2984	C1380.2		3315.1
C0894		2460	C1035.4		2720	C1186		3000	C1380.3		3315.2
C0900		2464	C1035.8		2724	C1188		3004	C1382		3316
C0900.1		2468	C1037		2728	C1188.1		3008	C1382.1		3320
C0904		2448	C1037.1		2732	C1189		3036	C1386		3328
C0908		2452	C1042		2852	C1189.1		3040	C1386.4		3315
C0908.1		2456	C1046		2856	C1190		3044	C1387.8		3342
C0911		2484	C1050		2660	C1190.1		3048	C1387.9		3344
C0918		2492	C1050.1		2664	C1192		3052	C1388		3348
C0919		2496	C1052		2668	C1192.1		3056	C1388.1		3352
C0919.4		2512	C1052.1		2672	C1197		3057	C1388.6		3356
C0919.41		2516	C1055		2676	C1198		3058	C1388.7		3360
C0920		2500	C1055.1		2680	C1202		3060	C1390		3364
C0920.2		2504	C1065		2684	C1203		3064	C1390.1		3368
C0922		2472	C1066		2704	C1206		3068	C1392		3372
C0923		2524	C1067		2696	C1210		3072	C1392.1		3376
C0924		2508	C1067.1		2700	C1214		3074	C1398		3330
C0925		2520	C1067.4		2688	C1215		3080	C1398.5		3331
C0928		2528	C1067.5		2692	C1216		3084	C1400		3412
C0932		2536	C1068		2796	C1220		3096	C1404		3428
C0934		2544	C1068.1		2800	C1222		3100	C1405		3452
C0936		2540	C1070		2792	C1226		3104	C1415		3432
C0938		2548	C1074		2804	C1226.1		3108	C1415.1		3436
C0944		2552	C1076		2812	C1230		3112	C1436		3512
C0948		2560	C1076.1		2816	C1237		3128	C1440		3516
C0949		2564	C1077		2818	C1238		3124	C1440.5		3517
C0949.1		2568	C1078		2808	C1246		3116	C1470		3520
C0950		2556	C1082		2836	C1248		3120	C1476		3524
C0956		2572	C1084		2833	C1251		3121	C1478		2036
C0958		2576	C1084.1		2833.1	C1276		3136	C1480		3528
C0958.1		2580	C1084.3		2834	C1280		3164	C1483		3532
C0959		2588	C1084.31		2834.1	C1281		3172	C1483.1		3536
C0960		2584	C1086		2820	C1281.1		3176	C1484		3540
C0962		2596	C1086.1		2824	C1282		3180	C1484.2		3544
C0964		2592	C1087		2825	C1282.2		3184	C1486		3556
C0968		2608	C1087.1		2825.1	C1284		3188	C1487.1		3564
C0969		2628	C1087.8		2826	C1286		3192	C1487.2		3560
C0970		2620	C1088		2828	C1287		3194	C1489		3572
C0970.4		2624	C1088.1		2832	C1288		3216	C1489.1		3576
C0970.6		2632	C1098		2864	C1288.1		3220	C1491		3580
C0977		2616	C1098.1		2868	C1300		3228	C1495		3589
C0982		2617	C1100		2872	C1312		3236	C1497		3548
C0983		2618	C1104		2876	C1316		3200	C1497.4		3552
C0988		2636	C1113		2900	C1322		3208	C1498		3592
C0988.4		2648	C1115.4		2893	C1324		3212	C1500		3596
C0989.4		2644	C1115.5		2880	C1326		3196	C1504		3600
C0989.6		2640	C1116.4		2888	C1328		3156	C1507.3		3616

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

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
C1508		3618	C1614		3852	C1720.4		4148	C1903		4656
C1509		3620	C1624		3864	C1720.41		4152	C1904		4660
C1509.1		3624	C1624.1		3868	C1721.7		4225	C1904.5		4668
C1509.4		3626	C1634		3840	C1721.71		4225.1	C1908		4672
C1510		3628	C1634.1		3844	C1723		4220	C1912		4676
C1510.1		3632	C1638		4124	C1723.1		4224	C1914		4684
C1510.4		3633	C1640		4120	C1726		4140	C1916		4692
C1510.41		3633.1	C1642		4116	C1726.1		4144	C1918		4696
C1512		3642	C1643		4108	C1730		4136	C1920		4700
C1524		3676	C1645		4032	C1732		4216	C1924		4704
C1526		3648	C1645.1		4036	C1734		4240	C1925		4706
C1530.5		3656	C1645.4		4064	C1736		4256	C1926		4708
C1530.6		3660	C1645.5		4068	C1736.1		4260	C1928		5284
C1531		3664	C1646		4096	C1740		4236	C1930		5288
C1531.1		3668	C1646.1		4100	C1741		4228	C1932		5280
C1531.4		3652	C1647		4072	C1742		4232	C1936		5272
C1532		3830	C1647.1		4076	C1748		4264	C1936.1		5272.1
C1532.2		3688	C1648		4092	C1749		4268	C1938		4713
C1532.6		3690.23	C1649.7		4040	C1752		4248	C1940		4712
C1532.601		3690.33	C1650		4056	C1752.1		4252	C1942		4716
C1532.603		3690	C1650.1		4060	C1760		4272	C1945.4		4720
C1532.604		3690.2	C1656		3968	C1760.5		4276	C1946		4728
C1532.606		3690.21	C1658		3972	C1770		4280	C1948		4732
C1532.607		3690.22	C1660		3976	C1770.1		4284	C1950		4736
C1532.608		3690.31	C1661		3980	C1788		4288	C1964		4760
C1532.609		3690.32	C1662		3984	C1789		4290	C1965		4764
C1532.61		3690.3	C1662.1		3988	C1792		4292	C1966		4768
C1532.612		3690.1	C1668		3964	C1798		4296	C1967		4772
C1534		3692	C1671		3936	C1800		4300	C1968		4776
C1534.6		4080	C1671.65		3948	C1800.1		4304	C1968.1		4780
C1534.7		4084	C1671.7		3940	C1802		4324	C1969		4802
C1534.8		4088	C1671.71		3944	C1814		4336	C1976		4784
C1544		3724	C1672		3960	C1814.1		4340	C1977		4796
C1544.1		3728	C1672.5		3956	C1815		4344	C1977.1		4800
C1545		3740	C1673		3952	C1826		4380	C1978		4804
C1545.4		3732	C1673.3		3932	C1828		4384	C1979		4816
C1545.5		3736	C1674		3992	C1838		4392	C1979.2		4820
C1552		3744	C1674.1		3996	C1844		4368	C1982		4808
C1553		3748	C1680		4024	C1845		4372	C1983		4812
C1556		3752	C1680.1		4028	C1846		4376	C1986		4832
C1562		3772	C1686		4000	C1854		4360	C1994		4824
C1564		3776	C1686.1		4004	C1854.1		4364	C2002		4836
C1564.1		3780	C1690		4008	C1856		4348	C2003		4840
C1566		3804	C1690.1		4012	C1857		4352	C2003.1		4844
C1566.3		3812	C1702		4016	C1857.1		4356	C2006		4848
C1572		3796	C1702.1		4020	C1867		4584	C2012		4866
C1578		3820	C1703		2848	C1872		4592	C2024		4912
C1588		3832	C1704		2840	C1876		4596	C2026		4924
C1590		3836	C1704.1		2844	C1877		4598	C2028		4928
C1591		3888	C1706		4192	C1881		4604	C2030		4916
C1594		3916	C1708		4196	C1881.1		4608	C2030.1		4920
C1594.1		3920	C1708.5		4197	C1881.5		4602	C2040		4944
C1594.13		3924.5	C1710		4208	C1881.51		4603	C2040.1		4948
C1594.15		3925	C1710.1		4212	C1884		4612	C2042		4936
C1594.17		3924.7	C1712		4170	C1890		4632	C2044		4964
C1594.2		3908	C1712.1		4171	C1890.1		4636	C2044.2		4968
C1594.3		3912	C1718		4164	C1891		4640	C2046		4980
C1594.6		3892	C1718.1		4168	C1891.1		4644	C2054		4996
C1594.7		3896	C1718.3		4168.5	C1894		4648	C2055		5000
C1595		3900	C1718.31		4168.51	C1894.1		4652	C2055.1		5004
C1595.1		3904	C1718.9		4176	C1898		4624	C2056		5008
C1600		3884	C1719		4172	C1898.1		4628	C2056.01		5012
C1606		3876	C1719.1		4180	C1900		4616	C2056.4		5016
C1606.1		3878	C1719.4		4184	C1900.1		4620	C2056.6		5020
C1612		3848	C1719.41		4188	C1902		4664	C2057		5024

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

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
C2057.2		5028	C2260		5084	C2340.1		5336	C2428.1		5588
C2060		4940	C2262		5088	C2346		5340	C2439		5606
C2065		5030	C2264		5092	C2348		5344	C2440		5608
C2065.4		5030.3	C2265		5096	C2349.02		5490.1	C2440.1		5612
C2065.6		5030.6	C2265.1		5100	C2349.03		5490	C2445		5604
C2068		5032	C2266		5104	C2349.04		5490.2	C2448		5616
C2068.1		5036	C2268		5108	C2349.17		5492	C2448.1		5620
C2069		5031	C2269		5112	C2349.26		5485	C2450		5624
C2072		4900	C2269.1		5116	C2349.28		5486	C2450.1		5628
C2072.1		4904	C2270		5120	C2349.31		5482.1	C2450.4		5636
C2074.7		4888	C2274		5124	C2349.32		5482	C2450.5		5632
C2082		5040	C2276		5128	C2349.35		5483.1	C2458		5644
C2083		5044	C2276.8		5130	C2349.36		5483	C2460		5648
C2089		5056	C2276.81		5130.1	C2349.5		5494	C2483		5716.5
C2089.5		5068	C2277		5132	C2350		5495	C2483.1		5716.51
C2094		5080	C2277.1		5136	C2350.5		5493	C2484		5706
C2098		4552	C2277.6		5140	C2351.5		5491	C2484.2		5707
C2099		4556	C2278		5144	C2352.5		5480	C2486		5700
C2100		4560	C2278.1		5148	C2357		5432	C2488		5704
C2100.2		4564	C2283		5160	C2357.2		5433	C2489		5705
C2100.4		4568	C2283.1		5164	C2358		5376	C2494		5680
C2104		4528	C2288		5184	C2360		5360	C2494.1		5684
C2104.1		4532	C2288.1		5186	C2360.1		5364	C2495		5692
C2142		4508	C2289		5192	C2361		5368	C2496		5693
C2144		4512	C2289.1		5196	C2361.1		5372	C2503		5664
C2146		4500	C2291		5200	C2364		5380	C2503.1		5668
C2148		4504	C2292		5204	C2365		5384	C2504		5656
C2152		4468	C2294		5208	C2365.1		5384.1	C2505		5660
C2154.9		4487	C2296		5212	C2370		5408	C2508		5844
C2155		4488	C2305		5214	C2372		5404	C2512		5836
C2155.4		4484	C2305.1		5214.1	C2374		5396	C2516		5824
C2166		4472	C2305.3		5197	C2374.1		5400	C2516.5		5826
C2166.1		4476	C2305.31		5197.1	C2378		5412	C2517		5828
C2178		4480	C2305.4		5199	C2378.1		5416	C2517.1		5832
C2180		4460	C2305.5		5198	C2380		5424	C2522		5808
C2180.1		4464	C2306		5216	C2382		5428	C2522.1		5812
C2186		4436	C2306.1		5220	C2384		5420	C2527		5792
C2188		4424	C2307		5224	C2388		5348	C2527.1		5796
C2192		4428	C2308		5228	C2388.1		5352	C2532		5776
C2196		4440	C2309		5260	C2403		5504	C2534		5772
C2196.1		4444	C2310		5256	C2403.1		5508	C2540		5760
C2202		4448	C2311		5232	C2405		5512	C2540.1		5764
C2203		4452	C2311.1		5236	C2405.1		5516	C2541		5748
C2210		4420	C2312		5240	C2405.55		5518	C2542		5744
C2216		4396	C2312.1		5244	C2405.56		5518.1	C2546		5752
C2216.1		4400	C2313		5248	C2406		5517	C2546.1		5756
C2218		4404	C2313.1		5252	C2406.1		5517.1	C2548		5736
C2218.2		4408	C2314		5230	C2408		5496	C2548.1		5740
C2219		4395	C2314.1		5230.1	C2410		5520	C2550		5732
C2242		1452	C2316		5264	C2412		5526	C2555.5		5724
C2246		1456	C2316.4		5265	C2412.2		5524	C2556		5848
C2248		1468	C2318		5268	C2412.4		5530	C2557		5852
C2248.1		1472	C2320		5290	C2412.6		5528	C2558		5856
C2252		1460	C2320.1		5290.1	C2412.8		5536	C2562		5860
C2252.1		1464	C2324		5292	C2413		5532	C2575.9		5872
C2254		1476	C2326		5296	C2414		5540	C2576		5876
C2254.1		1480	C2328		5304	C2414.3		5544	C2576.1		5880
C2254.4		1484	C2328.1		5308	C2414.31		5548	C2583		5884
C2254.5		1488	C2331.9		5317	C2414.4		5552	C2583.1		5888
C2258		1500	C2332		5312	C2416		5556	C2585		5892
C2258.1		1504	C2332.1		5316	C2417		5560	C2585.1		5896
C2258.4		1492	C2336		5320	C2420		5568	C2586		5868
C2258.6		1496	C2338		5324	C2425		5576	C2588		5864
C2259		1508	C2338.1		5328	C2425.1		5580	C2589.6		5866
C2259.5		1512	C2340		5332	C2428		5584	C2589.61		5867

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

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
C2592		5900	C2681.7		6174	C2739		6390	C2922		6572
C2596		5912	C2681.9		6172	C2740		6398	C2923		6576
C2602		5916	C2682		6164	C2741		6384	C2926		6580
C2604		5920	C2682.1		6168	C2743		6392	C2930		6584
C2604.1		5928	C2684		6160	C2743.1		6396	C2932		6588
C2614		5938.7	C2685		6176	C2746.9		6428	C2933		6596
C2618		5942	C2686		6178.1	C2747		6432	C2934		6600
C2626		6020	C2687		6180	C2747.1		6436	C2935		6601
C2626.1		6024	C2687.1		6184	C2749		6438	C2939.1		6612
C2628		6028	C2688.1		6178.2	C2750		6444	C2940		6616
C2628.1		6032	C2689		6188	C2751		6400	C2944		6624
C2634		6056	C2690		6192	C2752		6404	C2944.5		6627
C2638		6064	C2690.1		6196	C2752.6		6416	C2945		6629
C2638.1		6068	C2691		6178	C2754		6420	C2954		6632
C2644		6084	C2692		6178.3	C2754.5		6418	C2957.5		6634.5
C2644.1		6096	C2693		6200	C2754.7		6423	C2957.6		6634
C2645.1		6100	C2694		6204	C2755		6422	C2960		6636
C2651.2		6113	C2695.5		6214	C2758		6440	C2961		6640
C2652		5976	C2695.6		6215	C2762		6448	C2961.4		6646
C2652.4		5988	C2700		6216	C2762.1		6452	C2961.41		6646.1
C2652.7		5992	C2701		6220	C2764		6456	C2963		6648.5
C2652.71		5996	C2702		6224	C2764.1		6460	C2964		6648
C2652.8		6012	C2703		6228	C2764.75		6452.5	C2964.6		6649
C2652.81		6016	C2706		6260	C2765.24		6453	C2965		6664
C2654		6008	C2706.1		6264	C2765.42		6454	C2968		6672
C2655.2		6004	C2708		6268	C2765.44		6454.1	C2972		6676
C2656.6		5944	C2714		6236	C2765.6		6454.5	C2974		6680
C2657		5948	C2714.1		6240	C2767.6		6455	C2983		6652
C2657.9		5956	C2715		6244	C2770		6455.1	C2983.1		6656
C2658.1		5960	C2715.1		6248	C2770.2		6455.12	C2986		6660
C2659		5968	C2716		6232	C2771.5		6460.2	C3002		6650
C2659.13		5969	C2717		6252	C2771.7		6460.1	C3002.1		6650.1
C2659.2		5970	C2717.1		6256	C2772		6455.2	C3003		6651
C2659.77		5973	C2719		6276	C2772.2		6455.3	C3003.1		6651.1
C2659.78		5973.1	C2720		6280	C2777.9		6461	C3010		6708
C2662		5940	C2721		6288	C2777.95		6461.5	C3011		6709
C2667.5		6115	C2722		6284	C2781.5		6464	C3013		6709.1
C2667.8		6115.5	C2724		6300	C2791.5		6465	C3014		6724
C2668		6116	C2724.1		6304	C2791.8		6465.2	C3015		6728
C2670		6124	C2724.4		6308	C2793		6465.3	C3015.2		6729
C2670.1		6128	C2724.6		6312	C2793.5		6465.4	C3016		6732
C2672		6120	C2724.8		6316	C2799		6466	C3016.2		6736
C2672.3		6117	C2725		6320	C2801		6467	C3018		6716
C2672.5		6117.5	C2725.4		6324	C2813		6462	C3018.1		6720
C2673.5		6134.2	C2725.5		6328	C2817		6469.1	C3018.5		6818
C2673.7		6134.4	C2726		6348	C2860		6484	C3019		6828
C2674		6134	C2726.1		6352	C2867		6488	C3019.2		6832
C2675		6135	C2726.6		6360	C2867.1		6492	C3020		6820
C2678		6136	C2727		6361	C2874		6480	C3020.2		6824
C2678.3		6149	C2728		6292	C2876		6472	C3020.3		6826
C2678.32		6149.1	C2728.1		6296	C2876.2		6476	C3020.6		6740
C2678.33		6149.2	C2730		6332	C2892		6496	C3020.62		6744
C2678.34		6135.5	C2730.1		6336	C2896		6512	C3021		6788
C2678.4		6135.6	C2732		6372	C2896.1		6516	C3021.5		6790
C2678.45		6135.61	C2732.4		6373	C2897		6508	C3022		6768
C2678.5		6135.62	C2732.5		6373.1	C2904		6520	C3022.1		6769
C2678.55		6150	C2733		6374	C2905		6524	C3023.4		6760
C2678.6		6150.1	C2734		6376	C2905.25		6536	C3024		6756
C2678.7		6150.2	C2734.1		6380	C2905.27		6540	C3026		6796
C2678.715		6150.3	C2735		6382	C2906		6552	C3026.2		6792
C2678.75		6140	C2736		6364	C2908		6548	C3028		6800
C2678.77		6146	C2736.1		6368	C2910		6556	C3029		6804
C2678.78		6147	C2738		6388	C2914		6560	C3029.2		6808
C2679.8		6152	C2738.5		6389	C2918		6564	C3030.1		6806
C2680		6156	C2738.51		6389.1	C2920		6568	C3031		6810

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

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
C3045.8		6839	C3366.6		12042	C3501		12248	C3616		12659
C3046		6844	C3367		12043.1	C3502		12252	C3616.1		12660
C3047.4		6846	C3367.5		12043.11	C3503		12256	C3618		12665
C3047.5		6848	C3382		12044	C3526		12272	C3622		12664
C3049		6850	C3386		12052	C3528		12276	C3622.1		12664.1
C3062		6860	C3390		12056	C3529		12288	C3626		12656
C3062.1		6864	C3396		12060	C3530		12280	C3627		12658
C3064		6868	C3396.2		12064	C3530.1		12284	C3628		12648
C3064.1		6872	C3396.21		12068	C3532		12332	C3630		12636
C3066		6880	C3396.3		12114	C3532.1		12336	C3631		12512
C3068		6876	C3396.301		12114.1	C3535		12296	C3632		12520
C3074		6908	C3396.33		12115	C3536		12286	C3632.6		12524
C3074.1		6912	C3396.331		12115.1	C3536.2		12297	C3634.5		12522
C3076.3		6928	C3396.36		12061	C3536.201		12297.1	C3636		12516
C3080.8		6968	C3396.362		12062	C3538		12304	C3637		12528
C3081.02		6952	C3396.4		12088	C3543		12326	C3637.1		12532
C3081.03		6952.1	C3396.5		12092	C3543.2		12326.01	C3638		12540
C3081.2		6960	C3396.6		12096	C3543.5		12365	C3638.1		12544
C3081.21		6954	C3396.7		12097	C3544		12328	C3639		12548
C3081.22		6958	C3397		12069	C3545		12360	C3640.8		12550
C3081.26		6956	C3397.1		12069.1	C3545.4		12358	C3641		12693
C3081.28		6961	C3397.5		12072	C3545.41		12358.1	C3642.1		12691
C3081.31		6961.5	C3397.7		12112	C3546		12356	C3642.2		12690
C3081.33		6966	C3397.8		12080	C3546.2		12353	C3642.3		12690.1
C3081.4		6964	C3397.81		12084	C3546.3		12354	C3644		12732
C3081.5		6962	C3398		12112.5	C3547		12340	C3644.1		12736
C3081.9		6970	C3398.2		12104	C3547.1		12344	C3646		12552
C3082		6972	C3398.3		12100	C3547.2		12348	C3646.1		12556
C3082.2		6974	C3442		12120	C3548		12364	C3650		12608
C3082.4		6980	C3443		12124	C3548.4		12352	C3650.1		12612
C3087		6995	C3443.1		12128	C3548.8		12369	C3651		12592
C3090		6996	C3443.4		12136	C3549		12368	C3651.1		12596
C3091		6998	C3443.5		12132	C3549.3		12367	C3652		12588
C3095		7048	C3448		12140	C3550		12376	C3652.1		12588.1
C3095.1		7052	C3449.5		12144	C3550.4		12372	C3652.5		12574
C3096		7056	C3450		12148	C3551		12384	C3653		12571
C3100		7060	C3450.1		12152	C3552		12388	C3653.1		12572
C3100.1		7064	C3450.5		12145	C3553		12391	C3656		12600
C3251		7036	C3450.51		12145.1	C3554		12392	C3656.1		12604
C3251.1		7040	C3450.52		12145.2	C3558		12400	C3657		12606
C3255		7114	C3451		12156	C3558.5		12401	C3657.1		12606.1
C3256		7116	C3452		12160	C3559		12402	C3704		12672
C3257		7119	C3454		12172	C3580.15		12412	C3704.2		12674
C3257.1		7119.1	C3455		12168	C3580.2		12416	C3704.5		12670
C3258		7123	C3457		12174	C3580.3		12420	C3704.51		12671
C3259.5		7124	C3458		12176	C3585		12436	C3705.3		12668
C3259.6		7120	C3460		12180	C3587		12440	C3710		12679
C3262		7128	C3461		12181	C3587.1		12444	C3710.1		12680
C3270		7130	C3462.2		12185	C3590		12448	C3712		12682
C3277		7132	C3470		12192	C3594.5		12452	C3714		12684
C3318		11984	C3474		12194	C3595		12496	C3717		12696
C3334		11996	C3476		12196	C3596		12500	C3717.3		12695
C3340		12022	C3477.3		12204	C3602		12508	C3717.4		12695.2
C3345.9		12000	C3478		12212	C3603		12464	C3717.5		12694
C3346		12004	C3482		12220	C3605		12492	C3720		12700
C3347.9		12009	C3482.4		12222	C3606		12456	C3720.1		12704
C3348		12016	C3482.401		12222.1	C3606.1		12460	C3721		12707
C3350		12020	C3482.5		12223	C3608		12468	C3721.1		12708
C3359		12040	C3482.51		12223.1	C3608.1		12472	C3744		12716
C3359.2		12041	C3486		12216	C3611		12484	C3746		12720
C3360.1		12031	C3489		12224	C3611.5		12488	C3754		12728
C3363		12041.5	C3494		12228	C3612		12476	C3755.5		12729
C3363.1		12041.6	C3495.5		12331	C3612.1		12480	C3755.51		12729.1
C3364		12041.9	C3495.51		12331.1	C3612.3		12662	C3756		12730
C3366.4		12043	C3496		12232	C3612.31		12662.1	C3757.9		12630

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

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
C3758		12631	C3841.8		12879	C4011.4		13022	C4085.6		18932
C3758.1		12632	C3841.84		12873	C4011.6		13022.1	C4085.61		18936
C3758.5		12560	C3841.9		12874	C4012.1		13040	C4085.7		18916
C3758.51		12564	C3841.91		12874.1	C4014		13032	C4085.71		18920
C3759		12614	C3842		12784	C4020		13024	C4085.8		18924
C3759.1		12614.1	C3844		12896	C4020.1		13024.1	C4085.81		18928
C3759.5		12616	C3846		12880	C4030		13028	C4086		18948
C3759.51		12620	C3849		12882	C4030.1		13028.1	C4086.1		18948.1
C3760		12748	C3849.1		12882.1	C4036		13020	C4090		18952
C3764		12752	C3850		12884	C4036.1		13020.1	C4090.1		18956
C3765		12753	C3850.5		12900.5	C4036.2		13020.2	C4095		18836
C3765.1		12753.1	C3850.6		12879.031	C4042		13036	C4095.1		18840
C3767		12755	C3850.7		12879.032	C4042.2		13044	C4096.15		18898
C3768		12756	C3851.1		12879.04	C4042.21		13044.1	C4096.16		18898.1
C3769		12758	C3851.11		12879.05	C4047		13052	C4096.3		18844
C3774		12764	C3851.13		12879.06	C4047.1		13052.1	C4096.31		18848
C3775		12764.5	C3851.2		12885	C4047.5		13053	C4096.34		18852
C3775.1		12764.51	C3851.4		12888	C4048		13054	C4096.35		18856
C3775.3		12764.4	C3854		12879.1	C4048.1		13054.1	C4096.4		18868
C3775.4		12764.2	C3854.1		12879.2	C4050		13056	C4096.41		18872
C3775.5		12764.3	C3854.45		12879.23	C4051		13056.1	C4096.5		18880
C3778		12765	C3854.5		12879.24	C4052		13056.2	C4096.51		18884
C3778.1		12765.1	C3860		12908	C4059		13048	C4097		18860
C3783		12766	C3868		12912	C4059.1		13048.1	C4097.1		18864
C3783.1		12766.1	C3872		12920	C4060		13060	C4098.5		18824
C3786		12767	C3874		12924	C4061		13060.1	C4099		18816
C3786.1		12768	C3876		12928	C4062		13062	C4099.1		18820
C3790		12772	C3877		12935	C4062.05		13062.1	C4099.4		18808
C3792		12780	C3878		12936	C4062.2		13062.2	C4099.5		18812
C3792.5		12780.1	C3878.1		12936.1	C4063		13058	C4100		18792
C3794		12776	C3884		12940	C4063.01		13058.1	C4101		18776
C3795		12779	C3888		12944	C4063.6		13059	C4101.1		18780
C3799		12781	C3890		12948	C4064		13064	C4102		18784
C3799.1		12781.1	C3892		12952	C4065		13065	C4102.1		18788
C3800		12782	C3892.4		12952.5	C4069		13066	C4102.5		18788.5
C3800.4		12783	C3892.5		12953	C4070		13068	C4103		18789
C3800.6		12783.1	C3894		12956	C4072.5		13069	C4103.1		18789.1
C3801		12783.5	C3897		12957	C4074		13070	C4104		18790
C3804		12804	C3897.1		12957.1	C4074.2		13072	C4104.1		18790.1
C3804.1		12808	C3918		12972	C4075.15		13071	C4105		18791
C3805		12793	C3932		13544	C4076		13073	C4105.1		18791.1
C3805.2		12879.25	C3934		13548	C4076.2		13074	C4105.5		18539
C3805.25		12879.26	C3938		12960	C4076.43		13078	C4106		18498
C3805.5		12879.03	C3940		12964	C4076.44		13078.1	C4106.1		18499
C3805.7		12879.01	C3944		13276	C4076.45		13077.5	C4107		18538
C3805.71		12879.02	C3946		13272	C4076.451		13077.51	C4107.1		18538.1
C3806		12788	C3952		13280	C4076.5		13077	C4107.3		18540
C3808		12790	C3962		12980	C4076.51		13077.1	C4107.4		18540.5
C3810		12796	C3964		13284	C4076.61		13076	C4107.5		18556
C3810.1		12800	C3968		13288	C4076.611		13076.1	C4107.51		18560
C3812		12810	C3972		13292	C4076.7		13079	C4108		18546
C3815.5		12814	C3976		12984	C4076.71		13079.1	C4108.1		18546.1
C3816		12815	C3977		12985	C4077.8		13045.1	C4108.5		18544
C3822		12869	C3981		12986	C4077.9		13045	C4109		18527
C3822.2		12870	C3981.1		12987	C4078		13045.3	C4109.1		18527.1
C3830		12852	C3982.1		12987.8	C4078.2		13045.2	C4110		18533.5
C3832		12856	C3982.2		12987.81	C4082		18772	C4110.3		18533
C3834		12860	C3986		12988	C4082.5		18796	C4112		18800
C3837		12864	C3988		12992	C4083		18828	C4112.1		18804
C3837.1		12868	C3988.1		12996	C4083.5		18900	C4112.3		18764
C3840.8		12871	C4004		13004	C4083.7		18832	C4112.31		18768
C3840.81		12871.1	C4006		13008	C4084		18892	C4112.4		18760
C3841		12876	C4010		13012	C4084.1		18896	C4112.41		18760.1
C3841.2		12876.5	C4011		13021	C4085.4		18908	C4112.6		18752
C3841.6		12878	C4011.2		13021.1	C4085.41		18912	C4112.61		18756

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

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
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
C4145.4		18470	C4180		18442	C4214		18196	C4264.5		17884
C4145.8		18464	C4183		18404	C4214.3		18197	C4264.51		17888
C4146		18476	C4184		18420	C4215		18206	C4265		17972
C4146.5		18478	C4184.1		18424	C4215.1		18207	C4268		17984
C4147		18480	C4184.4		18408	C4216		18208	C4269.3		17892
C4147.05		18477	C4184.5		18412	C4216.1		18212	C4269.31		17896
C4147.09		18480.52	C4186		18436	C4216.4		18216	C4271		18084
C4147.1		18480.5	C4186.1		18440	C4216.5		18220	C4271.1		18088
C4147.11		18480.51	C4188		18400	C4216.7		18192	C4271.3		18092
C4147.15		18481	C4188.4		18402	C4217		18184	C4271.31		18096
C4147.2		18482	C4188.41		18402.1	C4218		18188	C4271.4		18100
C4147.3		18484	C4190		18396	C4219		18176	C4271.41		18104
C4147.5		18485	C4191		18364	C4220		18180	C4272.5		18016
C4148		18488	C4191.1		18368	C4222		18174	C4273		18024
C4148.1		18492	C4192		18392	C4224		17824	C4274		17864
C4150		18496	C4192.5		18343	C4226		18148	C4275		18028
C4150.1		18496.1	C4192.51		18343.1	C4227		18152	C4275.1		18032
C4152		18504	C4192.6		18356	C4227.1		18156	C4275.2		18045
C4152.1		18508	C4192.61		18360	C4228		18160	C4275.3		18045.1
C4153		18520	C4192.7		18349	C4228.1		18164	C4275.5		18036
C4153.1		18524	C4192.71		18350	C4229		18168	C4276		18040
C4154		18528	C4193		18358	C4230		18140	C4276.1		18044
C4154.1		18532	C4193.2		18336	C4230.1		18144	C4280		18052
C4155.5		18536	C4193.21		18340	C4233		18108	C4280.1		18056
C4155.51		18536.1	C4193.3		18345	C4234.5		18120	C4280.3		18048
C4156		18541	C4193.31		18346	C4234.51		18124	C4291		17968
C4156.1		18541.5	C4193.6		18376	C4235		18128	C4292		17940
C4156.4		18547	C4193.61		18380	C4235.5		18112	C4292.1		17944
C4156.41		18547.1	C4193.7		18384	C4235.51		18116	C4294		17820
C4157		18548	C4193.71		18388	C4236		18080	C4298.5		17769
C4157.1		18552	C4194		18308	C4238		17828	C4298.51		17769.1
C4158		18576	C4195		18312	C4238.1		17832	C4298.6		17770
C4158.1		18580	C4195.1		18316	C4241		17836	C4298.61		17770.1

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

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
C4299.2		17780	C4419.4		17320	C4630		16480	C4884		15292
C4299.21		17784	C4419.7		17321	C4680.6		17000	C4885		15300
C4300		17800	C4419.71		17321.1	C4680.61		17000.1	C4886		15320
C4302		17804	C4421		17328	C4725		15804	C4888		15188
C4302.02		17808	C4421.4		17329	C4732		15780	C4888.1		15192
C4302.04		17812	C4421.41		17329.1	C4734		15808	C4892		15196
C4302.06		17816	C4421.5		17330	C4734.1		15812	C4892.1		15200
C4312		17768	C4421.51		17330.1	C4736		15800	C4906		15268
C4318		17708	C4421.6		17324	C4738		15813	C4910		15224
C4328		17680	C4421.7		17344	C4739		15852	C4912		15212
C4328.1		17684	C4421.8		17346	C4739.1		15856	C4914		15228
C4328.2		17663	C4421.81		17346.1	C4743.2		15860	C4914.1		15232
C4328.3		17662	C4424		17360	C4744.23		15525	C4915		15236
C4330		17648	C4424.1		17364	C4744.24		15525.1	C4915.1		15240
C4330.1		17652	C4425		17352	C4745.6		15520	C4915.2		15304
C4340		17628	C4425.1		17356	C4745.61		15524	C4915.21		15308
C4340.1		17632	C4430		17368	C4745.74		15509	C4915.3		15184
C4348		17616	C4430.1		17372	C4745.76		15510	C4915.4		15312
C4350		17608	C4432.3		17392	C4745.8		15512	C4915.41		15316
C4350.1		17610	C4432.31		17396	C4745.81		15516	C4915.5		15284
C4351		17612	C4434		17406	C4746		15500	C4915.51		15288
C4352		17600	C4434.1		17406.1	C4746.1		15504	C4915.54		15289
C4352.1		17604	C4435		17407	C4746.2		15508	C4915.57		15290
C4356		17544	C4437		17358	C4746.8		15480	C4915.6		15204
C4356.1		17548	C4437.01		17358.1	C4852		15476	C4915.61		15208
C4365		17534	C4440		17252	C4854		15472	C4915.7		15176
C4366		17510	C4444.3		17246	C4855		15470	C4915.71		15180
C4366.1		17510.1	C4444.31		17246.1	C4856		15464	C4915.8		15216
C4369		17492	C4445		17248	C4856.1		15468	C4915.81		15220
C4374		17452	C4445.5		17224	C4858		15456	C4916		15148
C4376		17456	C4447.6		17192	C4858.1		15460	C4916.1		15148.1
C4376.1		17460	C4447.61		17196	C4860		15452	C4918.4		15172
C4378		17480	C4449.9		16967	C4861		15412	C4919		15164
C4382		17462	C4450		16968	C4862		15448	C4919.1		15168
C4384		17496	C4450.4		16952	C4863		15484	C4919.4		15210
C4384.1		17500	C4453		16972	C4863.1		15488	C4920.2		15244
C4384.5		17463	C4453.3		16956	C4863.5		15492	C4920.21		15248
C4384.51		17463.1	C4453.4		16960	C4863.51		15496	C4920.4		15264
C4385		17504	C4454		16984	C4863.9		15418	C4920.41		15264.1
C4385.1		17508	C4454.1		16988	C4864		15416	C4922		15252
C4388		17464	C4457.7		17208	C4864.1		15420	C4924		15256
C4388.1		17468	C4457.71		17212	C4865		15432	C4924.1		15260
C4390		17472	C4462.6		16948	C4865.1		15436	C4932		15124
C4390.1		17476	C4464.4		16814	C4865.9		15398	C4932.1		15128
C4394		17484	C4465		16812	C4866		15396	C4980		14892
C4394.1		17488	C4465.4		16808	C4866.1		15400	C4991.6		14944
C4398		17448	C4466		16800	C4867		15404	C4991.7		14946
C4399		17440	C4468		16796	C4867.1		15408	C5121		14660
C4399.1		17444	C4472		16792	C4868		15392	C5121.1		14664
C4404		17438	C4473.5		16774	C4868.5		15388	C5129.5		14657
C4404.1		17438.1	C4478		16788	C4869		15384	C5130		14656
C4406		17436	C4479		16770	C4871		15372	C5131.4		14712
C4417		17268	C4480		16096	C4871.1		15376	C5131.41		14716
C4418		17272	C4482		16100	C4872		15364	C5147		14612
C4418.1		17276	C4485		16106	C4872.1		15368	C5147.1		14616
C4418.3		17280	C4486		16092	C4873		15348	C5153		14608
C4418.31		17284	C4487		16094	C4873.1		15352	C5153.5		14600
C4418.5		17288	C4490		16760	C4873.5		15332, 15337	C5153.51		14604
C4418.7		17296	C4494		16756	C4874		15356	C5154		14408
C4418.9		17304	C4495.9		16752	C4874.1		15360	C5154.1		14412
C4419		17308	C4496		16744	C4874.4		15340	C5154.4		14416
C4419.1		17312	C4496.1		16748	C4874.5		15344	C5155.4		14418
C4419.2		17321.5	C4542		16144	C4876		15322	C5155.41		14418.1
C4419.21		17321.51	C4546		16158	C4878		15324	C5156		14428
C4419.3		17316	C4626		16476	C4881		15296	C5157		14432

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

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
C5157.1		14436	C5239.41		14092	C5412		13404	C5465.9		13332
C5158		14419	C5240		14112	C5413		13408	C5466.1		13324
C5158.1		14420	C5240.1		14116	C5414		13413	C5466.11		13324.1
C5159		14418.5	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	C5418.41		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
C5202.1		14592	C5388		13584	C5425.1		13504	C5522		13168
C5203		14406	C5390		13580	C5428		13492	C5522.1		13172
C5203.1		14406.1	C5390.4		13658	C5430		13516	C5524		13152
C5203.4		14407	C5390.41		13658.1	C5430.1		13520	C5524.1		13156
C5203.41		14407.1	C5392		13588	C5432		13524	C5528		13176
C5206		14596	C5392.1		13592	C5432.1		13528	C5530		13160
C5206.5		14598	C5392.6		13644	C5434		13532	C5530.1		13164
C5208		14404	C5392.61		13648	C5434.1		13536	C5534		13188
C5210		14400	C5393		13672	C5435		13514	C5534.1		13192
C5212		14396	C5393.1		13676	C5435.1		13514.1	C5536		13196
C5214		14388	C5393.4		13660	C5438		13400	C5536.1		13200
C5216		14380	C5393.41		13660.1	C5438.4		13399.4	C5539		13184
C5216.1		14384	C5394		13604	C5438.41		13399.8	C5539.4		13180
C5216.4		14368	C5394.2		13608	C5438.5		13401	C5541.9		13212
C5216.41		14372	C5394.21		13612	C5438.51		13401.5	C5542		13208
C5217		14360	C5394.4		13571.1,	C5438.58		13402	C5542.1		13216
C5217.1		14364			13596	C5438.6		13389	C5543.9		13222
C5220		14344	C5394.41		13600	C5438.61		13390	C5546		13228
C5220.1		14348	C5396		13420	C5438.7		13398.2	C5546.1		13232
C5222		14336	C5396.1		13424	C5438.71		13398.4	C5552.4		13248
C5222.1		14340	C5396.9		13632	C5438.8		13394	C5552.41		13252
C5223		14328	C5396.91		13636	C5438.81		13396	C5552.9		13254.2
C5223.1		14332	C5397		13624	C5438.9		13465	C5553		13254
C5224		14320	C5397.1		13628	C5438.91		13465.5	C5553.1		13254.1
C5224.15		14324	C5403		13538	C5440		13392	C5562		13100
C5226.2		14316	C5403.1		13538.5	C5440.1		13393	C5562.28		13097.1
C5227		14224	C5405.6		13638	C5441.3		13388	C5562.29		13097.2
C5227.1		14228	C5405.61		13638.1	C5456		13352	C5562.3		13097.3
C5235		14144	C5408		13542	C5464		13348	C5567		13092
C5239		14084	C5410		13412	C5465		13340	C5568		13088
C5239.4		14088	C5411		13409	C5465.1		13344	C5569		13085

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

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
C5569.1		13086	C5743.1		11752	C5824.1		11368	C5944		10992
C5582		13084	C5744		11624	C5826		11356	C5946		10980
C5584		13080	C5745		11628	C5828		11360	C5948		10984
C5586		13081	C5746		11632	C5833		11328	C5948.1		10988
C5694		18960	C5746.1		11636	C5833.3		11344	C5951		10936
C5694.1		18964	C5747		11637	C5833.31		11348	C5952		10928
C5697		18968	C5747.1		11638	C5834		11340	C5954		10932
C5697.1		18972	C5748		11640	C5836		11332	C5960		10960
C5697.3		18976	C5749		11644	C5836.1		11336	C5962		10964
C5698		11976	C5754.2		11702	C5840		11324	C5967		10970
C5698.1		11980	C5754.3		11702.1	C5844		11312	C5967.1		10970.1
C5700		18965	C5770		11680	C5846		11316	C5967.3		10971
C5700.1		18965.1	C5778		11660	C5846.1		11320	C5967.31		10971.1
C5703		11964	C5788		11500	C5847		11308	C5968		10972
C5703.1		11968	C5788.1		11504	C5848		11300	C5972.4		10924
C5704		11970	C5789		11476	C5852		11304	C5972.41		10925
C5710		11872	C5790		11488	C5854		11284	C5973		10920
C5710.2		11876	C5790.4		11508	C5854.1		11288	C5974		10916
C5710.5		11877	C5790.41		11512	C5855		11292	C5975		10912
C5710.51		11877.1	C5790.5		11544	C5855.1		11296	C5976		10900
C5710.6		11878	C5790.51		11548	C5860		11268	C5977		10904
C5710.61		11878.1	C5790.6		11552	C5862		11276	C5977.1		10908
C5712.4		11888	C5790.61		11556	C5862.1		11280	C5977.2		10913
C5712.8		11896	C5790.8		11516	C5864		11272	C5977.3		10914
C5712.9		11890	C5790.81		11520	C5866		11282	C5977.4		10915
C5712.91		11890.1	C5790.82		11492	C5866.1		11282.5	C5978		10892
C5713		11936	C5790.83		11496	C5874		11248	C5979		10896
C5713.4		11932	C5790.86		11536	C5878.9		11144	C5979.6		10891
C5714		11928	C5790.87		11540	C5879		11148	C5980		10890
C5718.5		11908	C5790.89		11524	C5879.1		11152	C5982		10868
C5719		11909	C5790.9		11528	C5880		11132	C5983.4		10872
C5720		11912	C5791		11558	C5881		11140	C5988		10832
C5720.1		11916	C5792		11572	C5882		11136	C5988.5		10834
C5724		11920	C5792.01		11576	C5884		11164	C5989		10888
C5724.1		11924	C5792.2		11588	C5884.1		11168	C5990		10836
C5724.4		11860	C5792.21		11592	C5886		11172	C5992		10840
C5724.41		11864	C5792.4		11564	C5886.1		11176	C5993		10880
C5725		11900	C5792.41		11568	C5887		11156	C5993.3		10878
C5725.1		11904	C5792.6		11580	C5887.5		11160	C5993.4		10878.1
C5725.5		11868	C5792.61		11584	C5887.8		11178	C5993.5		10878.2
C5725.8		11938	C5792.8		11596	C5888		11180	C5993.6		10876
C5727.5		11840	C5792.9		11600	C5889		11184	C5994		10844
C5728		11844	C5793		11602	C5889.1		11188	C5998		10848
C5728.1		11848	C5793.1		11602.1	C5890.6		11192	C6000		10850.5
C5729		11852	C5796		11622	C5890.61		11196	C6000.6		10850
C5729.1		11856	C5805		11460	C5891.5		11228	C6001		10851
C5730		11824	C5806		11464	C5894		11212	C6001.4		10884
C5730.1		11828	C5809		11456	C5894.1		11216	C6004		10856
C5731.5		11764	C5810		11384	C5895		11208	C6008		10828
C5731.51		11768	C5810.5		11384.2	C5897		11220	C6011		10824
C5731.9		11760	C5811.8		11380	C5897.1		11224	C6012		10820
C5733		11688	C5813		11388	C5898		11232	C6014		10812
C5733.1		11692	C5814.9		11436	C5898.1		11236	C6015		10810
C5734		11700	C5815		11440	C5902		11124	C6016		10808
C5735		11696	C5815.1		11444	C5910		11068	C6020		10804
C5736		11708	C5816		11408	C5912		11076	C6020.5		10805
C5736.1		11712	C5816.1		11412	C5920		11056	C6021		10792
C5739		11716	C5816.2		11416	C5923		11044	C6022		10800
C5739.1		11720	C5816.4		11392	C5925		11004	C6023		10796
C5739.9		11728	C5816.9		11396	C5925.4		11000	C6024		10788
C5740		11724, 11732	C5817		11400	C5926		11048	C6025		10784
C5740.1		11736	C5817.1		11404	C5926.1		11052	C6028		10780
C5741		11740	C5817.4		11420	C5928		10996	C6030		10752
C5741.1		11744	C5818.4		11424	C5936		11024	C6032		10744
C5743		11748	C5824		11364	C5938		11020	C6032.1		10748

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

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
C6034		10756	C6114.61		10512	C6287.5		10018	C6436		.9724
C6036		10760	C6116		10492	C6288		10016	C6440		.9688
C6036.4		10764	C6116.1		10496	C6290		.9992	C6442		.9692
C6037		10766	C6122		10476	C6314		10116	C6444		.9700
C6037.1		10766.1	C6125		10480	C6360		.9984	C6446		.9704
C6037.4		10768	C6130		10472	C6362		.9976	C6448		.9728
C6037.6		10772	C6132		10484	C6364		10032	C6450		.9732
C6037.61		10776	C6132.1		10488	C6366		10036	C6452		.9708
C6039		10778	C6138		10468	C6370		10052	C6453		.9712
C6040		10736	C6146		10464	C6370.1		10056	C6454		.9716
C6041		10740	C6152		10440	C6371		10044	C6459		.9972
C6042		10732	C6154		10444	C6372		10048	C6459.3		.9972.2
C6043		10708	C6156		10448	C6373		10060	C6460		.9968
C6044.5		10720	C6156.1		10452	C6374		10064	C6462		.9328
C6044.6		10724	C6158		10456	C6375		10068	C6463.2		.9332
C6048		10704	C6168		10436	C6376		10072	C6463.3		.9320
C6052		10700	C6172		10340	C6376.4		10076	C6463.5		.9076
C6056		10696	C6173		10342	C6377		10080	C6465		.9056
C6057		10636	C6174		10428	C6377.1		10084	C6466		.9054
C6057.4		10640	C6175		10432	C6377.5		10088	C6468		.9068
C6060		10624	C6175.9		10424	C6378		10092	C6468.5		.9070
C6062		10632	C6176.1		10348	C6379		10096	C6470		.9060
C6066		10628	C6184		10356	C6379.1		10100	C6471.6		.9064
C6068		10652	C6186		10372	C6379.3		10104	C6472		.9080
C6069		10656	C6188		10376	C6379.4		10108	C6472.1		.9084
C6069.1		10660	C6190		10380	C6379.41		10112	C6476		.9096
C6070		10664	C6194.5		10360	C6382		.9600	C6476.1		.9100
C6070.1		10668	C6194.51		10364	C6386		.9576	C6477		.9116
C6071		10672	C6195		10404	C6386.9		.9578	C6478		.9104
C6072		10676	C6196		10396	C6387		.9580	C6480		.9108
C6075		10680	C6201		10410	C6387.2		.9581	C6481		.9112
C6075.1		10684	C6210		10344	C6387.3		.9582	C6482		.9128
C6076		10688	C6214.7		10337	C6388.5		.9584	C6482.1		.9132
C6076.1		10692	C6214.71		10337.1	C6389		.9592	C6484		.9120
C6079		10612	C6214.9		10338	C6390		.9588	C6484.1		.9124
C6080		10616	C6214.91		10338.1	C6391		.9596	C6485		.9134
C6081		10620	C6220		10328	C6394.5		.9604	C6488		.9136
C6083		10604	C6225		10324	C6395		.9628	C6495		.9376
C6084		10608	C6226		10300	C6396		.9360	C6496		.9380
C6084.5		10610	C6227		10292	C6398		.9364	C6498		.9396
C6086.2		10600	C6228		10304	C6399		.9352	C6502		.9392
C6087		10528	C6233		10288	C6400		.9356	C6503		.9400
C6088		10532	C6234		10284	C6401		.9646	C6504		.9408
C6092		10536	C6235.6		10260	C6402		.9348	C6505		.9402
C6093		10548	C6235.8		10252	C6404		.9344	C6505.5		.9401
C6098		10552	C6236		10280	C6406		.9336	C6506		.9404
C6098.1		10556	C6238		10296	C6408		.9340	C6508		.9420
C6100		10560	C6240		10268	C6409		.9316	C6510		.9424
C6102		10564	C6241		10272	C6412		.9608	C6514		.9428
C6106		10568	C6243		10276	C6412.2		.9620	C6515		.9432
C6106.2		10573	C6243.4		10264	C6412.21		.9624	C6516		.9436
C6108		10576	C6244		10248	C6416		.9632	C6518		.9448
C6108.1		10576.1	C6250		10312	C6418		.9636	C6518.1		.9452
C6111		10592	C6252		10308	C6419		.9640	C6522		.9456
C6111.1		10596	C6259.6		10176	C6420		.9644	C6524		.9460
C6112		10524	C6260		10188	C6421		.9648	C6524.5		.9464
C6113		10540	C6260.1		10192	C6422		.9652	C6525		.9468
C6113.1		10544	C6261		10180	C6423		.9656	C6528		.9472
C6113.5		10546.1	C6262		10204	C6424		.9660	C6532		.9440
C6113.51		10546	C6278		10172	C6426		.9664	C6534		.9444
C6114		10500	C6280.1		10168	C6430		.9672	C6536		.9504
C6114.4		10516	C6281		10000	C6431		.9676	C6538		.9508
C6114.41		10520	C6282		10004	C6432		.9680	C6539		.9512
C6114.5		10502	C6285		10028	C6433		.9684	C6540		.9524
C6114.6		10508	C6287		10030	C6434		.9696	C6541		.9532

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

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
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
C6549		9528	C6675.6		8888	C6814.5		8718	C6968		8436
C6550		9548	C6675.8		8900	C6814.501		8718.1	C6974		8448
C6551.2		9560	C6676.2		8902	C6816		8724	C6976		8444
C6558		9556	C6676.3		8904	C6818		8640	C6978		8424
C6568		9484	C6676.5		8908	C6820		8704	C6982		8460
C6570		9496	C6676.6		8906	C6824		8712	C6982.1		8460.1
C6571		9492	C6676.8		8952	C6824.1		8716	C6984		8464
C6572		9488	C6677		8960	C6829		8608	C6988		8468
C6576		9040	C6677.1		8962	C6832		8616	C6988.1		8472
C6578		9044	C6677.2		8964	C6832.1		8620	C6990		8452
C6580		9048	C6677.4		8956	C6833		8626	C6994		8488
C6582		9052	C6677.6		8968	C6834		8624	C6996		8492
C6583.6		9008	C6677.8		8972	C6836		8612	C6998		8496
C6584		9012	C6677.81		8976	C6838		8628	C7004		8504
C6585		9016	C6678		8980	C6840		8632	C7006		8508
C6587.2		9036	C6678.4		8984	C6842		8644	C7010		8516
C6587.4		9032	C6678.5		8982	C6842.1		8648	C7022		8400
C6587.6		9020	C6678.8		8996	C6845		8652	C7026		8396
C6587.7		9024	C6678.81		9000	C6846		8656	C7028		8392
C6587.8		9025	C6679		8992	C6846.1		8660	C7030		8384
C6587.9		9026	C6679.2		9004	C6846.5		8654	C7032		8388
C6587.95		9028	C6680		9005	C6847		8668	C7036		8372
C6588		9140	C6680.3		9006	C6848		8664	C7036.1		8376
C6590		9146	C6720		8884	C6855		8564	C7038		8368
C6592		9144	C6722		8880	C6855.1		8568	C7040		8364
C6594		9148	C6724		8876	C6856		8572	C7044		8356
C6596		9152	C6726		8872	C6856.4		8574	C7044.1		8360
C6598		9184	C6730		8864	C6856.41		8574.1	C7046		8352
C6602		9164	C6732		8860	C6857		8594	C7048		8348
C6606		9168	C6734		8868	C6857.4		8576	C7050		8344
C6614		9180	C6738		8848	C6857.41		8580	C7054		8336
C6618		9188	C6738.1		8852	C6858		8540	C7056		8328
C6618.4		9192	C6740		8856	C6859		8560	C7056.1		8332
C6619		9196	C6742		8844	C6860		8552	C7058		8324
C6620		9200	C6744		8840	C6860.1		8556	C7060		8320
C6620.4		9201	C6748		8800	C6862		8548	C7064		8312
C6621		9202	C6750		8796	C6864		8544	C7064.1		8316
C6621.1		9202.1	C6752		8836	C6866		8428	C7066		8244
C6623		9204	C6754		8828	C6868		8528	C7068		8304
C6625		9212	C6754.1		8832	C6868.1		8532	C7070		8308
C6625.4		9224	C6760		8784	C6872		8520	C7072		8240
C6626		9220	C6764		8820	C6872.1		8524	C7074		8236
C6628		9216	C6764.1		8824	C6873		8476	C7076		8232
C6632		9232	C6766		8812	C6874		8480	C7078		8212
C6634		9236	C6766.1		8816	C6876		8484	C7081		8218, 8220
C6636		9248	C6768		8808	C6878		8596	C7082		8216
C6640		9264	C6772		8776	C6882		8584	C7084		8208
C6642		9252	C6774		8780	C6888		8588	C7086		8228
C6644		9256	C6786		8772	C6890		8604	C7087.3		8247
C6646		9268	C6788		8768	C6892		8600	C7088		8248
C6648		9260	C6790		8764	C6894		8672	C7088.1		8252
C6649		9250	C6792		8760	C6896		8676	C7096		8268
C6650		9262	C6794		8748	C6898		8688	C7096.1		8272
C6654		9280	C6794.5		8732	C6900		8696	C7098		8264
C6658		9284	C6795		8752	C6901		8692	C7099		8300
C6660		9288	C6796		8756	C6902		8700	C7100.1		8280
C6662		9292	C6800		8736	C6904.8		8702	C7102		8284
C6664		9296	C6802		8740	C6904.9		8703	C7103		8288
C6666		9300	C6803		8742	C6954		8440	C7104		8292
C6669		9368	C6803.1		8744	C6956		8412	C7105		8296

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

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
C7108		8200	C7236		9796	C7348.1		7924	C7451.1		7644
C7110		8196	C7236.5		9792	C7349		7908	C7451.4		7632
C7114		8188	C7238		9800	C7350		7904	C7451.5		7636
C7114.1		8192	C7238.1		9804	C7352		7880	C7451.7		7628
C7118		8184	C7242		9808	C7354		7884	C7452		7580
C7120		8180	C7242.1		9812	C7354.2		7888	C7452.6		7540
C7122		8176	C7246		9816	C7354.4		7892	C7453.2		7520
C7124		8172	C7248		9820	C7354.6		7896	C7453.4		7536
C7130		8164	C7248.1		9824	C7354.8		7900	C7453.6		7524
C7132		8160	C7250		9828	C7356		7902	C7453.7		7528
C7136		8152	C7252		9830	C7356.1		7902.1	C7454		7544
C7137		8150	C7260		7756	C7358		7876	C7454.1		7548
C7138		8148	C7262		7760	C7358.4		7872	C7454.3		7552
C7140		8144	C7262.1		7764	C7360		7864	C7455		7532
C7146		8124	C7266		7752	C7360.1		7868	C7460		7556
C7147		8125	C7268		7744	C7370		7912	C7462		7588
C7147.1		8126	C7268.1		7748	C7370.1		7916	C7464		7592
C7150		9832	C7270		7740	C7378		7848	C7464.1		7596
C7154		9840	C7272		7737	C7380		7852	C7468		7600
C7156		9836	C7272.1		7738	C7390		7844	C7468.1		7604
C7160		9848	C7274		7736	C7394		7832	C7470		7560
C7162		9844	C7276		7728	C7394.1		7836	C7472		7608
C7163		9852	C7276.1		7732	C7400		7800	C7472.1		7612
C7164		9856	C7280		7720	C7400.1		7804	C7476		7616
C7168		9860	C7284		7724	C7402		7792	C7480		7620
C7168.1		9864	C7287		8116	C7402.1		7796	C7487		7469
C7169		9876	C7287.1		8120	C7408		7808	C7490		7468
C7170		9868	C7288		8108	C7408.1		7812	C7492		7472
C7171		9872	C7292		8052	C7410		7816	C7492.1		7476
C7178		9888	C7295		8068	C7410.1		7820	C7494		7480
C7180		9880	C7295.1		8072	C7416		7776	C7494.1		7484
C7180.1		9884	C7295.5		8104	C7420		7780	C7495		7488
C7182		9892	C7295.9		8080	C7421		7783	C7498		7492
C7184		9896	C7296		8076	C7421.11		7782.2	C7504		7504
C7185		9897	C7296.1		8078	C7421.2		7782	C7506		7508
C7185.1		9897.5	C7298		8092	C7422		7768	C7506.1		7512
C7185.6		9898	C7298.1		8096	C7422.1		7772	C7510		7464
C7185.61		9898.1	C7299		8084	C7425		7784	C7512		7420
C7186		9900	C7299.1		8088	C7425.1		7788	C7514		7412
C7186.1		9904	C7300		8100	C7428.1		7717.1	C7516		7416
C7188		9912	C7317		8032	C7428.2		7717	C7517		7428
C7189		9916	C7317.1		8036	C7431		7712	C7518		7426
C7192		9908	C7318		8008	C7431.1		7716	C7519		7424
C7196		9920	C7318.1		8012	C7432		7680	C7520		7432
C7198		9924	C7320		8016	C7434		7664	C7520.1		7436
C7200		9928	C7320.1		8020	C7434.1		7668	C7524		7440
C7202		9932	C7321		8022	C7436		7672	C7524.1		7444
C7202.4		9936	C7321.1		8022.1	C7436.1		7676	C7525		7448
C7202.5		9940	C7324		7996	C7438		7684	C7526		7452
C7202.7		9944	C7326		8000	C7438.1		7688	C7526.1		7456
C7202.8		9948	C7326.1		8004	C7438.4		7652	C7527		7460
C7205		9956	C7328		7980	C7438.8		7648	C7527.1		7392
C7205.1		9960	C7328.1		7984	C7438.9		7656	C7527.2		7404
C7206		9964	C7330		7988	C7438.91		7660	C7527.21		7408
C7210		9736	C7330.1		7992	C7440		7708	C7527.3		7396
C7211		9752	C7332		7976	C7442		7696	C7527.31		7400
C7212		9740	C7334		7958	C7444		7700	C7527.6		7384
C7214		9744	C7336		7960	C7445		7704	C7527.7		7376
C7214.1		9748	C7336.1		7964	C7446		7564	C7527.71		7380
C7218		9756	C7338		7968	C7447		7566	C7527.8		7382
C7218.1		9760	C7338.1		7972	C7448		7568	C7527.81		7382.1
C7224		9772	C7340		7952	C7449		7572	C7528		7372
C7228		9776	C7342		7944	C7450		7576	C7530		7356
C7228.1		9780	C7342.1		7948	C7450.5		7584	C7530.1		7360
C7235		9782	C7348		7920	C7451		7640	C7532		7364

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

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
C7534	.....	7352	C7548	.....	7296	C7568	.....	7208	C7574.1	.....	7188
C7535	.....	7344	C7550	.....	7300	C7568.1	.....	7212	C7578	.....	7176
C7535.1	.....	7348	C7551	.....	7284	C7570	.....	7216	C7578.1	.....	7180
C7536	.....	7324	C7551.1	.....	7288	C7570.1	.....	7220	C7582	.....	7152
C7538	.....	7316	C7551.6	.....	7292	C7572.3	.....	7222	C7584	.....	7164
C7540	.....	7328	C7552	.....	7264	C7572.31	.....	7222.1	C7584.1	.....	7168
C7540.1	.....	7332	C7553	.....	7268	C7572.6	.....	7198	C7586	.....	7156
C7540.4	.....	7320	C7553.1	.....	7272	C7572.62	.....	7199	C7586.1	.....	7160
C7541	.....	7336	C7556	.....	7276	C7572.7	.....	7200	C7588	.....	7144
C7541.1	.....	7340	C7556.1	.....	7280	C7572.8	.....	7204	C7588.1	.....	7148
C7544	.....	7304	C7559.6	.....	7252	C7573	.....	7192	C7592	.....	7136
C7546	.....	7308	C7559.61	.....	7256	C7573.1	.....	7196	C7592.1	.....	7140
C7546.1	.....	7312	C7564	.....	7240	C7574	.....	7184			