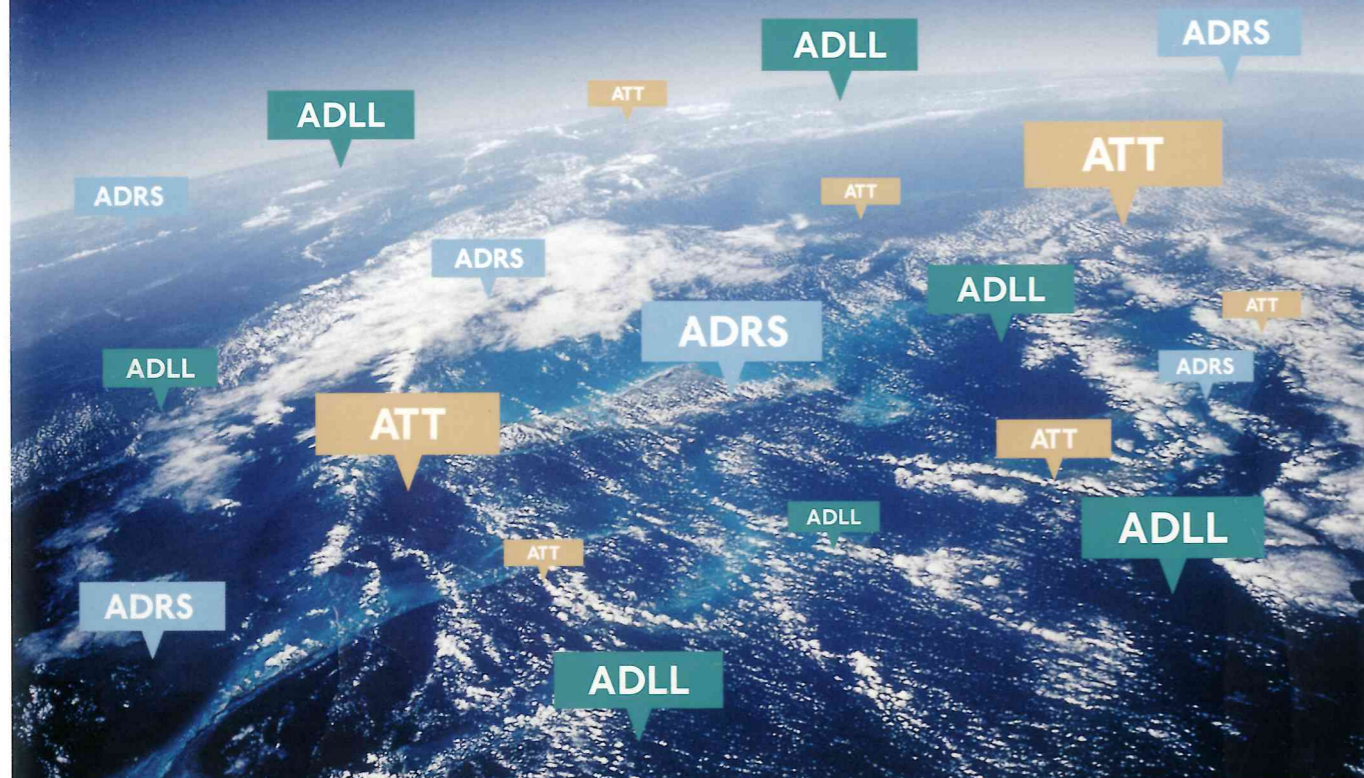


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NP87

ADMIRALTY LIST OF LIGHTS AND FOG SIGNALS

VOLUME P

2015/16

NORTH PART OF SOUTH CHINA AND EASTERN ARCHIPELAGIC SEAS, PLUS WESTERN PART OF EAST CHINA, PHILIPPINE AND YELLOW SEAS

INCLUDING TAIWAN STRAIT AND
EASTERN PART OF GULF OF TONKIN

IMPORTANT – SEE RELATED ADMIRALTY PUBLICATIONS

Notices to Mariners (Annual, Permanent, Preliminary and Temporary); Admiralty Information Overlay (AIO); Symbols and Abbreviations used on Admiralty Paper Charts (NP5011); Admiralty Guide to ENC Symbols used in ECDIS (NP5012); The Mariner's Handbook (NP100, especially Chapters 1 & 2 on the use, accuracy and limitations of charts); Sailing Directions (Pilots); List of Lights and Fog Signals; List of Radio Signals and Tide Tables (or their digital equivalents).

KEEP CHARTS AND PUBLICATIONS UP TO DATE AND USE THE LARGEST SCALE CHART APPROPRIATE

Published by the United Kingdom Hydrographic Office
Mr. John Humphrey Chief Executive

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DIRECTIONS FOR UPDATING THIS VOLUME

This edition of the Admiralty List of Lights and Fog Signals contains the latest information received by the United Kingdom Hydrographic Office (UKHO) at time of printing. This Volume is reissued annually and its publication is announced in Part 1 of the Admiralty Notice to Mariners (NMs).

During the life of the book important Safety of Life at Sea (SOLAS) updates are issued by Weekly Section V NMs, copies of which can be obtained from authorised Admiralty Distributors, or from www.ukho.gov.uk/msi. Minor updates are not issued for the paper books but are available in the Admiralty Digital List of Lights (ADLL).

The more important updates to lights are also issued as NMs for the updating of Admiralty Charts. However, it is emphasised that many alterations to lights, especially those of a temporary but operational nature, are promulgated only as updates to the List of Lights.

The updates which have accumulated during the printing of this publication will be found in Section V of the Weekly Edition of NMs which announces the publication of this Volume. Also in this Section V will be a cut out "New Edition" note for pasting into the "NEW EDITION First Updates" box below.

The entire entry for each light updated will be printed (including minor changes) and an asterisk (*) will denote which column contains an update. In the case of a new light, an asterisk (*) will appear under **all** columns. "Remove from list" will be used when a light is withdrawn. "Remove Fog Signal" will be used when a fog signal is discontinued.

New and extensively altered entries are intended to be pasted in. It is recommended that a manuscript entry is made for all shorter updates.

Note – Updates are not made to copies of the List of Lights held in stock by the United Kingdom Hydrographic Office or Admiralty Distributors. *Copies received from these sources must be updated from Section V of Admiralty Notices to Mariners before being used.*

RECORD OF UPDATES

The insertion of weekly updates should be recorded in the Record of Updates table below

NEW EDITION
First Updates

Weekly Notices to Mariners (Section V)



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LIGHTS – LOCATION AND LIGHT NUMBERS

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PURPOSE OF ADMIRALTY LIST OF LIGHTS

Fourteen regional volumes provide comprehensive details and world-wide coverage of all fixed lights, fog signals and some lit floating marks¹ of navigational significance.

WHY THE MARINER NEEDS TO USE THE ADMIRALTY LIST OF LIGHTS

Section V NMs (Updates to Admiralty List of Lights and Fog Signals).

SOLAS/navigationally significant updates to lights or fog signals will be issued in the next available Section V of the Weekly Edition of Admiralty Notices to Mariners or ADLL update CD published after the information is received (ADLL also contains minor light update information).

SOLAS/navigationally significant updates to lights shown on charts will also be issued as Section II NMs and in digital chart update CDs, this information is usually issued in a later Weekly Edition than that of the corresponding Section V NMs or ADLL update.

The Admiralty List of Lights (or its digital equivalent) should always be consulted whenever full details of a light are required. The List of Lights is not the authority for geographical positions which are only included as an approximation.

Each light object, Aid to Navigation (AtoN), is fully and clearly described including the number, name, characteristics, structure description², elevation, height and amplifying remarks. The Admiralty List of Lights also contains full details of complex features as well as information concerning multiple lights and other AtoNs co-located on the same structure or nearby.

Certain information contained in the Admiralty List of Lights supplements that shown on the chart as follows:

- International/UK National number (used to uniquely identify the light).
- National number when known for countries which issue a List of Lights.
- ADLL also includes the local National number.
- Phase & eclipse information.
- Detailed sector information.
- Lights with Non Standard Status:
 - Light temporarily extinguished (TE).
 - Temporary information (T).
 - Preliminary information (P).
- Light safety distances.
- Procedures for activation of some lights.
- Explanation of situations which must pertain when occasional lights are exhibited.
- If lights are irregular for some reason (e.g. intermittent power supply).
- If lights are unreliable for some reason (e.g. storm damaged but still working).
- Emergency Light information.
- Reserve Light information.
- Auxiliary Light information.
- Passing Light information.
- Information concerning co-located AtoNs:
 - Fog signal information (full details) (may be listed on its own).
 - Racon number (Number listed for ease of cross reference).
 - AIS number (Number listed for ease of cross reference).
 - Co-located AtoNs with Non Standard Status:
 - ◻ Fog Signal temporarily discontinued (TD).
 - ◻ Racon temporarily discontinued (TD).
 - ◻ AIS temporarily discontinued (TD).

Full information is given if lights are synchronised and/or seasonal.

Traffic Signal information may also be found in the Admiralty Sailing Directions (Pilots).

Notes:

- ¹ Pontoon lights, resilient and buoyant beacons are considered to be fixed lights and are listed in the ALL. Light Vessels, SPMs & FPSOs are the only floating lights listed.
- ² Structure description includes information over and above that found on a chart including details of Light Vessels, buoyant beacons and resilient beacons.

WHEN THE MARINER NEEDS TO USE THE ADMIRALTY LIST OF LIGHTS

The mariner should refer to the Admiralty List of Lights during the planning stage of any voyage paying particular attention to the unique and more up to date information listed above.

The List of Lights will also be required to complement both Admiralty Charts and other Admiralty Publications on leaving a berth/anchorage, during passage and on arrival at the final destination.

HOW TO REPORT NEW OR SUSPECTED DANGERS TO NAVIGATION OR CHANGES OBSERVED IN AIDS TO NAVIGATION

A Hydrographic Note, H102, with instructions, is contained in the back of the Weekly Edition of Admiralty Notices to Mariners. This form can also be downloaded from the UKHO website. The form should be used to report all observations including new or suspected dangers to navigation or changes to aids to navigation.

FEEDBACK

Feedback on this publication is most welcome and should be addressed to Customer Services and marked for the attention of the List of Lights Officer and Marketing.

UKHO CONTACT DETAILS

Customer Services

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HOW TO OBTAIN ADMIRALTY CHARTS AND PUBLICATIONS

A complete list of Admiralty Charts and Publications (both paper & digital), together with a list of authorised Admiralty Distributors for their purchase, is contained in the "Catalogue of Admiralty Charts and Publications" (NP131), published annually. The Admiralty Digital Catalogue is available to download free of charge from www.admiralty.co.uk.

Details of authorised Admiralty Distributors can also be obtained from Admiralty Customer Services.

RELATED ADMIRALTY PUBLICATIONS AND THEIR CONTENTS

Admiralty Notices to Mariners (NMs):

- Weekly Notices to Mariners
 - Navigationally significant changes to nautical charts, lights and fog signals, Radio Signals and Sailing Directions.
 - Reprint of all Radio Navigational Warnings in force and a summary of charts and publications being published.
- Cumulative List of Notices to Mariners
 - Published in January and July each year.
 - A list of all nautical charts available and a complete list of all NMs affecting them during the previous two years.
- Annual Summary of Notices to Mariners
 - Published at the beginning of the year in two parts.
 - Annual Notices to Mariners, Temporary and Preliminary NMs.
 - Cumulative summary of updates to Sailing Directions.

For more information, please visit the UKHO website: www.ukho.gov.uk/msi

The Mariner's Handbook:

- Information on nautical charts and their use.
- Operational information and regulation.
- Tides and currents.
- Characteristics of the sea.
- Basic meteorology.
- Navigation in ice.
- Hazards and restrictions to navigation.
- IALA Maritime Buoyage System.

Admiralty Sailing Directions (Pilots):

- Waterway directions.
- Port facilities.
- Directions for port entry.
- Navigational hazards.
- Buoyage.
- Climate information.
- National regulations affecting shipping.

Admiralty List of Radio Signals:

- Maritime Radio Stations.
- Radio Aids to Navigation.
- Time.
- Maritime Safety Information.
- Radio Weather Services.
- Global Maritime Distress and Safety (GMDSS).
- Pilot Services.
- Vessel Traffic Services.
- Port Operations.

Admiralty List of Lights

- Lighthouses, lightships, fog signals and other lights of navigational significance.
- Equivalent foreign language light descriptions.
- International number.
- Characteristics.
- Light elevation and structure height in metres.
- Range of light.
- Description of structure.

Admiralty Tidal Publications:

- Tide Tables
 - Daily predictions of time and height of high and low waters at Standard Ports.
 - Time and height differences for Secondary Ports.
 - Harmonic constants where known.
 - Supplementary Tables including Land Levelling to Chart Datum corrections where known.
- Tidal Stream Atlases
 - Major tidal streams for selected waters of North West Europe.
 - Direction and rate of tidal streams at hourly intervals.

For more information, please visit the UKHO website: www.admiralty.co.uk

ADMIRALTY DIGITAL PUBLICATIONS (ADP) – ADMIRALTY DIGITAL LIST OF LIGHTS (ADLL)

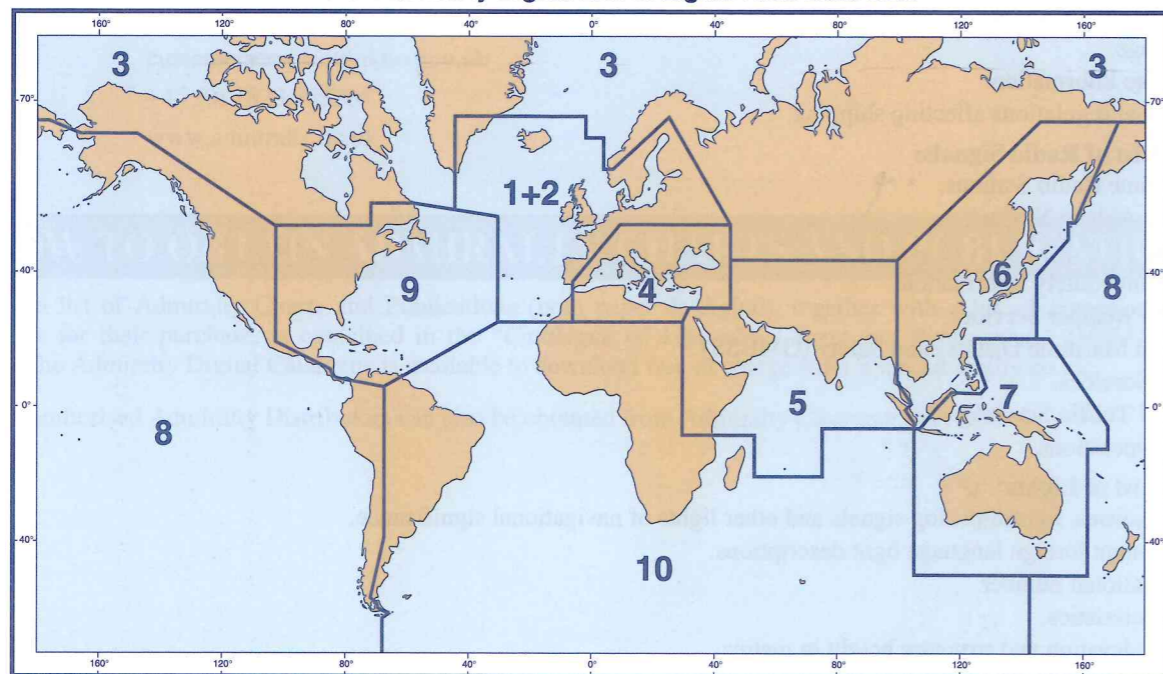
MCA Equivalent Status

The Maritime and Coastguard Agency (MCA) has awarded Equivalent Status to the Admiralty Digital List of Lights. The MCA has accepted the ADLL as meeting the requirements to carry List of Lights under the Merchant Shipping (Safety of Navigation Regulations) 2002 and Safety of Life at Sea (SOLAS) Convention Chapter V Regulation 20, providing an activation key (subscription) has been successfully installed, the most recent version is in use and the most recent updates have been applied.

Usage and Updating

- ADLL uses exactly the same official data provided for the paper versions of the Admiralty List of Lights.
- ADLL includes all updates (SOLAS and minor) within the weekly update process.
- ADLL is the most up to date and comprehensive source for lights information.
- The automatic application of weekly updates substantially reduces the time and effort needed to maintain the list.
- ADLL has an easy to use graphical interface.
- Useful user features of ADLL are:
 - Lights updated within the last six updates are marked with a pencil icon – update details are highlighted in the light properties – details tab.
 - Comprehensive search facilities [LL number –(Int or National) position, scroll chart window, scroll text window].
 - Ability to customise user trading patterns.
 - Ability to produce printout of lights within the selected viewing window for use in operational and navigational activities.
 - Ability to produce printout of individual light from its properties window.
 - Ability to print an update certificate for Port State Authorities.
 - Ability to add Light Object user notes (e.g. for navwarns etc).
 - View a diagram of the selected light characteristics.
 - Unique light identifier tool – View from here.
 - Almanac information.
 - Help files – contents, advice, tables & diagrams.

Limits of Admiralty Digital List of Lights Area Data Sets



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- | | |
|--|---|
| Area 1+2. Northern Europe and the Baltic | Area 6. Singapore to Sea of Okhotsk and Philippines (W coast) |
| Area 3. Northern Waters | Area 7. Australia, Borneo and Philippines (E coast) |
| Area 4. Mediterranean and Black Seas | Area 8. Pacific Ocean, New Zealand, N and S America (W coast) |
| Area 5. Red Sea, the Gulf and Indian Ocean (northern part) | Area 9. North America (E coast) and Caribbean |
| | Area 10. South Atlantic and Indian Ocean (southern part) |

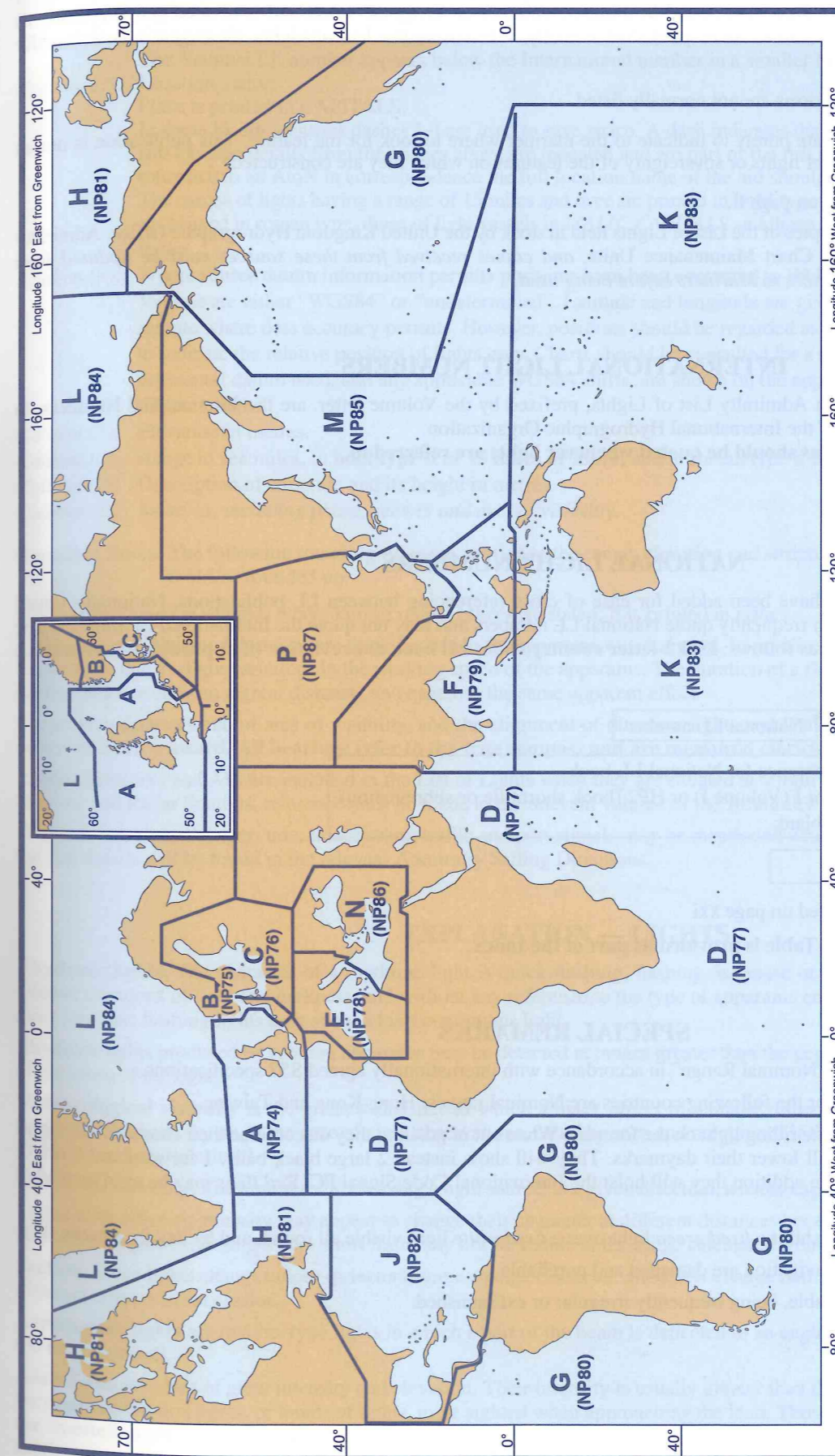
Hardware and Platform Requirements

ADLL will run on any PC meeting the recommended specifications for the following operating systems: Microsoft Windows 2000® (SP4), Windows XP®, Windows Vista® or Windows 7®. In addition, systems will require: CD-ROM or DVD drives, keyboard and a Microsoft mouse or some other compatible pointing device, Super VGA (800 x 600) video adapter and monitor.

Additional Information

For more information about Admiralty Digital Publications go to Admiralty www.admiralty.co.uk
Information may also be obtained via Admiralty Customer Services – contact details are on page vi.

ADMIRALTY LIST OF LIGHTS LIMITS OF VOLUMES A – P



- | | |
|--|---|
| Vol A - NP74 British Isles and North coast of France | Vol G - NP80 Western side of South Atlantic Ocean and East Pacific Ocean |
| Vol B - NP75 Southern and Eastern sides of the North Sea | Vol H - NP81 Northern and Eastern coasts of Canada |
| Vol C - NP76 Baltic Sea | Vol J - NP82 Western side of North Atlantic Ocean |
| Vol D - NP77 Eastern Atlantic Ocean, Western Indian Ocean, Arabian and Red Seas | Vol K - NP83 Indian and Pacific Oceans, south of the Equator |
| Vol E - NP78 West Mediterranean | Vol L - NP84 Northern Seas |
| Vol F - NP79 North-East Indian Ocean, Central part of South China and Eastern Archipelagic Seas (North of the Equator), excluding China, and South-West part of Philippine Sea | Vol M - NP85 Western side of North Pacific Ocean |
| | Vol N - NP86 East Mediterranean and Black Seas |
| | Vol P - NP87 North part of South China and Eastern Archipelagic Seas, plus Western part of East China, Philippine and Yellow Seas, including Taiwan Strait and Eastern part of Gulf of Tonkin |

GENERAL INFORMATION

INTRODUCTORY REMARKS

Admiralty List of Lights and Fog Signals is issued in fourteen Volumes covering the world and is divided geographically as shown on the previous page. The volumes are re-published annually. When using this List of Lights, the largest scale Admiralty Chart should always be consulted.

Mobile Oil, Gas and Drilling Platforms are not normally listed.

Lights are ascribed to a coastal state purely to indicate to the mariner where to look for the feature. This publication is not an authority on either the ownership of lights or sovereignty of the features on which they are constructed.

The system of update is described on page ii.

Note— Updates are not made to copies of the List of Lights held in stock by the United Kingdom Hydrographic Office, Admiralty Distributors or Admiralty Chart Maintenance Units, and copies received from these sources must be updated from Section V of Admiralty Notices to Mariners before being used.

INTERNATIONAL LIGHT NUMBERS

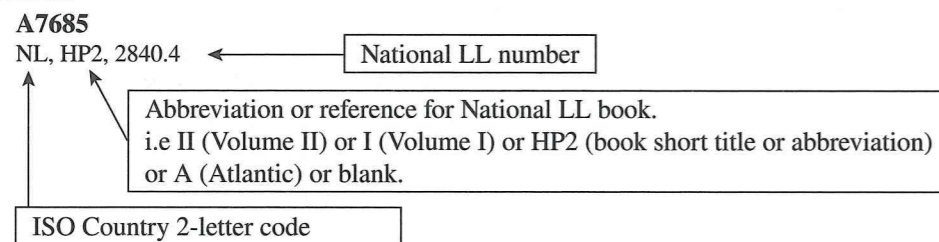
The numbers assigned to lights in Admiralty List of Lights, prefixed by the Volume letter, are the International Numbers, in accordance with the resolutions of the International Hydrographic Organization.

These letter – figure combinations should be quoted whenever lights are referred to.

Example: Eddystone, A0098.

NATIONAL LIGHT NUMBERS

National List of Lights numbers have been added for ease of cross referencing between LL publications, Nationally issued NtMs & Nav Area warnings which frequently quote National LL numbers and may not quote the International LL number. The format for this new information is as follows: **ISO 2-letter country code; LL book abbreviation (if applicable); national LL number.**



ISO Country 2-letter codes are listed on page xxi

A National LL Number Lookup Table is provided as part of the Index.

SPECIAL REMARKS

Ranges of lights on all ENC's are "Nominal Range" in accordance with internationally agreed S57 specifications.

The ranges listed in this volume for the following countries are Nominal ranges: Hong Kong and Taiwan.

CHINA. Light vessels carry a *white* riding light on the forestay. When out of position they discontinue their characteristic lights and fog signals and if possible will lower their daymarks. They will show instead 2 large black balls, 1 forward and 1 aft, or 2 *red* lights, 1 forward and 1 aft. In addition they will hoist the International Code Signal PC. Red flags may be used instead of the black balls.

Wreck marking vessels by night exhibit a *fixed green* light over a *fixed white* light visible all round, and by day fly a green flag.

NICOBAR ISLANDS. Aids to navigation are damaged and unreliable.

PHILIPPINES. Lights are unreliable, being frequently irregular or extinguished.

TABULATED LIGHT INFORMATION

Information is tabulated as follows:

Int No Nat No (1)	Location – Name (2)	Lat Long (3)	Characteristic (4)	Elevation metres (5)	Range miles (6)	Structure Height in metres (7)	Remarks (8)
-------------------------	------------------------	--------------------	-----------------------	----------------------------	-----------------------	--------------------------------------	----------------

Column (1): Contains the number of each light.
The National LL number appears below the International number in a smaller font. See details on page x.

Column (2): Location, name.
Place is printed in CAPITALS.
In some location entries dashes (–) are used to save space. A dash indicates that the place name (CAPITALS) or sub location details from the entries above are repeated and are part of the full name of the AtoN. When making reference to an AtoN in correspondence the full location name of the aid should be given.
The names of lights having a range of 15 miles and over are printed in **bold type**; those of less than 15 miles range are printed in roman type; those of light vessels in *ITALIC CAPITALS* and those of all other floating lights in *italics*.

Column (3): Where source datum information permits positions have been converted to WGS84. Thus all positions in this Volume are either "WGS84" or "undetermined". Latitude and longitude are given to two decimal places of a minute where data accuracy permits. However, positions should be regarded as approximate and are intended to indicate the relative position of lights only. Charts should be consulted for a more authoritative position. The horizontal datum used, and any applicable WGS84 shifts, are shown on the appropriate chart of the area.

Column (4): Characteristics.

Column (5): Elevation in metres.

Column (6): Range in sea miles, in **bold type** if of 15 miles or more, and in roman type if less.

Column (7): Description of structure and its height in metres.

Column (8): Remarks, including phase, sectors and arcs of visibility.

Rounding Rules: The following rounding rules are applied to the range, elevation and structure height; 0.5M/m rounded down, 0.6M/m rounded up.

Phase is expressed in seconds where known unless otherwise stated; it is printed in *italics*.

The duration of light and darkness are those for which the apparatus was designed. In practice they are subject to some degree of fluctuation, due to slight variations in the working speed of the apparatus. The duration of a flash may also appear to be less than normal when seen from a great distance, and haze has the same apparent effect.

The limits of sectors and of arcs of visibility, and the alignment of direction lights and leading lights are given as **seen by an observer from seaward. All bearings refer to the true compass and are measured clockwise from 000 to 359.**

Racons, Ramarks and AIS are included in the List of Lights when they are situated at a light station. For details of Coast Radio Stations and Radar Stations, reference must be made to the relevant volume of the Admiralty List of Radio Signals.

Weather, ice, storm, danger, tide, tidal stream, traffic and port signals may be mentioned when they are shown at a light station but full details will be found in the relevant Admiralty Sailing Directions.

EXPLANATION — LIGHTS

Rhythmic lights. The character of a rhythmic light is quick flashing, flashing, isophase or occulting, solely according to the relative durations of light and darkness, and without any reference to the type of apparatus employed. At short distances, and in clear weather, flashing lights may show a faint continuous light.

Rhythmic lights produced by rotating apparatus may be detected at ranges greater than the geographical range by the appearance of the loom of the light.

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

Luminous intensity. The luminous flux leaving a light source, in a given direction, usually expressed as candlepower in candelas.

Lights with differing intensity may appear to change their character at different distances because a part of the character may not be visible. Lights exhibiting a very short flash may not be visible at the range calculated from the Luminous Range Diagram.

Sectors. Some lights change colour in sectors, some change character, and a few change both colour and character. Others show different colours in succession.

Aeromarine lights are marine-type lights in which a part of the beam is deflected to an angle of 10°–15° above the horizon for the use of aircraft.

Aero lights are often of great intensity and elevation. Their intensity is usually greater than that of most navigational lights and they may be the first lights, or looms of lights, to be sighted when approaching the land. Those likely to be visible from seaward are inserted in the List of Lights; their character is always preceded by the word "Aero". These lights are not designed for marine navigation and they are subject to changes which are not always notified to hydrographic offices. The details of the lights may not be complete and this information should be treated with caution.

Obstruction lights mark radio towers, chimneys and other obstructions to aircraft. Like aero lights, they are not maintained for marine navigation, and the same cautionary remarks apply. They are usually *red* in colour, either *fixed, flashing or occulting*, but other colours and characters may be employed.

Obstruction lights of high intensity and likely to be visible from seaward are listed with the character preceded by the word "Aero" in column 4 and with the legend "**Obstruction**" in column 8.

Lights on Wind Turbines are usually located at the top of the turbine house/structure. Their light characteristics are normally aero fixed red; however, occasionally they may exhibit navigation light characteristics. Dependant on the stopped position of the blades, rotation of the turbine blades, prevailing wind speed and direction, vessel approach direction, these lights may on occasions appear to occult, flash or be interrupted. Care should be used when identifying such lights for navigational purposes.

Daytime lights. Lights shown throughout 24 hours without change of character are annotated "Shown 24 hours" in column 8 and during daylight, their intensity may be increased. If, by day, there are any differences to their character, elevation, range or arc of visibility, such differences are shown as a subsidiary entry to the light preceded by the words "By day" in column 4.

Fog lights. The characters of lights shown **only** in reduced visibility are preceded by the words "In fog" in column 4. Additionally, some navigational lights may have their intensity increased and/or other features changed in reduced visibility. If there are any differences to their character, elevation, range or arc of visibility, such differences are shown as a subsidiary entry to the light preceded by the words "In fog" in column 4.

Fog Detector lights. May be fitted to the structure of a light station or may be established some distance from the light. Their purpose is to detect fog automatically and to switch on fog signals and/or automatically transmit their range of visibility to a data centre for a broadcast to mariners. There are a variety of types in use, some only visible over a narrow arc, some exhibiting a powerful *bluish white* flash, others may sweep back and forth and so be mistaken for signals.

Fog Detector lights operate both by day and by night.

Cautionary Notes. Where ice conditions are prevalent the windows of lights may be covered with frost or ice, which will greatly reduce the sighting range.

Lights placed at a great elevation are more frequently obscured by cloud, etc., than those near sea level.

The distance of an observer from a light cannot be estimated from its apparent brightness.

The distance at which lights are sighted varies greatly with atmospheric conditions and this distance may be increased by abnormal atmospheric refraction. It will be reduced by fog, haze, dust, smoke or precipitation; a light of low intensity is easily obscured by any of these conditions and the sighting range of even a light of very high intensity is considerably reduced in such conditions. For this reason the intensity or nominal range of a light should always be considered when estimating the range at which it may be sighted, bearing in mind that varying atmospheric conditions may exist between the observer and the light. See "Geographical Range Table" and "Luminous Range Diagram", pages xv-xvi.

The limits of sectors should not be relied upon; they are those for which the apparatus was designed and they should invariably be checked by compass bearing.

The limits of an arc of visibility are rarely clear cut, especially at a short distance, and instead of disappearing suddenly the light usually fades after the limit of the sector has been crossed.

At the boundary of sectors of different colour there is usually a small arc in which the light may be either obscured, indeterminate in colour, or *white*.

A light apparatus may be encountered where sector boundaries are defined with far greater accuracy than can be achieved with older sector lights.

In cold weather, and more particularly with rapid changes of weather, the lantern glass and screens are often covered with moisture, frost or snow; the sector of uncertainty is then considerably increased in width and coloured sectors may appear more or less *white*. The effect is greatest in *green* sectors and with weak lights. Under these conditions *white* sectors tend to extend into coloured and obscured sectors, and fixed or occulting lights into flashing ones.

White lights may have a *reddish* hue under some atmospheric conditions.

When a light is cut off by sloping land the bearing on which the light will disappear will vary with distance and the observer's height of eye.

Multi-colour sector Lights. Some countries only show the range for the white sector on their charts or in their list of lights. The range of the white light is greater than the ranges of the coloured sectors which are generally of a lower intensity. Where coloured sector information is known, it is published in the ALL.

Light vessels are liable to be withdrawn for repairs without notice, and in some cases not replaced by relief vessels.

The name of the station is painted on the sides of the vessel but relief vessels may carry the word "Relief" or "Reserve".

NOMENCLATURE OF LIGHTS

A **light must**, on a given bearing, maintain a consistent character.

Lights exhibit a distinctive appearance by which they are recognised, e.g. Fixed, Flashing, etc. Those properties of their appearance by which they are distinguished are referred to as the **Character or Characteristics** of the light. The principal characteristics are generally the sequence of intervals of light and darkness exhibited and in some cases the sequence of colours of light exhibited. Lights which are exhibited without interruption or change of characteristics are called **Fixed lights**.

Normally, all lights other than fixed lights exhibit a sequence of intervals of light and darkness, the whole sequence being repeated identically at regular intervals. Such lights are called **Rhythmic lights**, and the time taken to exhibit one complete sequence is called the **Period** of the light. Each element of the sequence (e.g. a flash, an eclipse) is called a **Phase**.

Rhythmic lights which exhibit different colours during each sequence are called **Alternating lights**. The period of an alternating light is the time taken to exhibit the complete sequence, including all changes of colour.

Elevation is the vertical distance between the focal plane of the light and the level of Mean High Water Springs or Mean Higher High Water, whichever is given in Admiralty Tide Tables. However, *charted* elevations of fixed lights are sometimes referred to Mean Sea Level, but the height datum is always clearly annotated on all Admiralty Charts. Elevations of *floating objects*, shown in *italic* text on the chart, and listed in this Volume, records the distance between the focal plane of the light and the *waterline* of the object. For vertical lights, e.g. 2 F R(vert), the elevation listed is for the uppermost light.

RANGE Luminous range is the maximum distance at which a light can be seen at a given time, as determined by the intensity of the light and the meteorological visibility prevailing at that time; it takes no account of elevation, height or eye of the observer or curvature of the earth; see "Luminous Range Diagram", page xvi.

Nominal range is the luminous range when the meteorological visibility is 10 M.

The ranges included in the List of Lights are those published by the competent authority; a list of those countries in this volume where nominal range is used will be found listed under Special Remarks on page x.

Geographical range is the maximum distance at which light from a light can theoretically reach an observer, as limited only by the curvature of the earth and the refraction of the atmosphere, and by the elevation of the light and the height of eye of the observer. See "Geographical Range Table", page xv.

Loom. The diffused glow observed from a light below the horizon or hidden by an obstacle, due to atmospheric scattering.

Main light. The major of two or more lights situated on the same support or neighbouring supports.

Subsidiary (auxiliary) light. A light placed on or near the support of a main light and having a special use in navigation.

Sector light. A light presenting different appearances, either of colour or character, over various parts of the horizon. Where no sector limits or arcs of visibility are listed in column 8, then the light is assumed to be visible all around.

Leading lights. Two or more lights associated so as to form a leading line to be followed.

Lights described as "Lts in line" are particular cases, and are intended to mark limits of areas, alignments of cables, alignments for anchoring, etc.; they do not mark a direction to be followed.

Directional light. Several types are in use but all have a common, very narrow sector intended to mark a direction to be followed, forming a single leading light. This sector may be flanked by unlit sectors or sectors of greatly reduced intensity, and/or by sectors of different colours or character, some with oscillating sectors. A very narrow sector is normally considered to be about 3° or less, however, some countries do accept a central light sector up to 10°. Modern directional lights can have up to 7 narrow sectors with the central leading sector being a decimal of a degree.

A Moiré Direction Light gives a yellow background to the Moiré screen on which a vertical black line will be seen by an observer on the centre line; this will change to a form of black arrows when off the centre line, the direction of the arrows indicating the alteration of course needed to return to the recommended track.

Vertical lights. Two or more lights disposed vertically (or horizontally, or in a geometric shape) to give a different character or appearance. If the individual lights serve different purposes, the less important are termed auxiliary lights.

Private lights. Lights maintained by a private authority and may be occasional.

Occasional lights. Lights exhibited only when specially needed (e.g. for fishing vessels, ferries, firing ranges and some private lights).

Tidal Signals. Lights exhibited only when the tide serves (formerly referred to as Tidal Lights).

Fishing Lights. For the use of fishermen and shown when required by them.

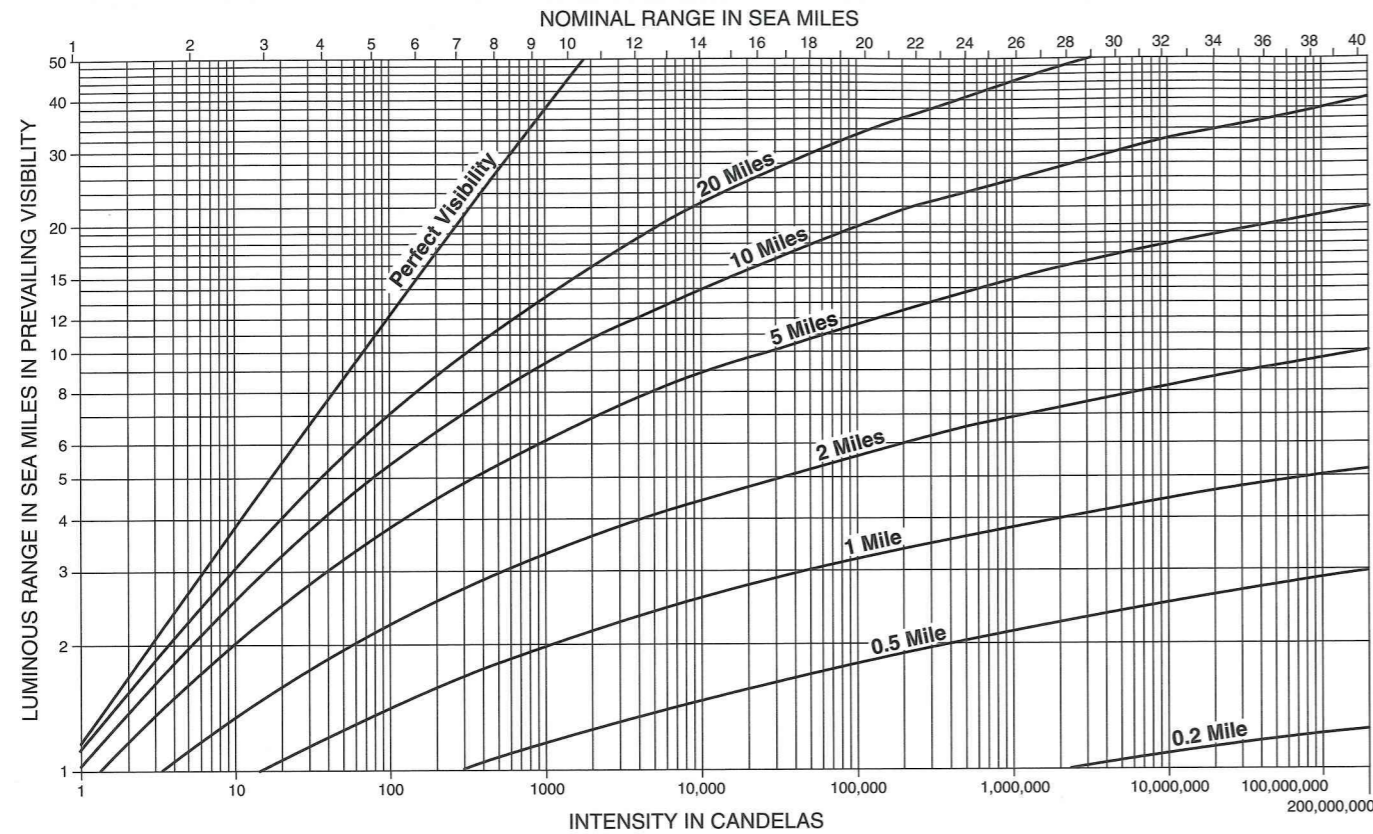
Passing Light. A low intensity light which may be mounted on the structure of another light to enable the mariner to keep the latter in sight when passing out of its beam during transit.

Reserve and Emergency Lights. A distinction is made between Reserve lights and Emergency lights:

Reserve lights normally retain the character of the main light but have a reduced range and their installation is usually restricted to major manned stations.

Emergency lights are being installed at certain light stations. The apparatus is of lesser intensity and is automatically activated by a failure of the main light. It is normally visible at 5 M.

A second light sequence has been added and the term Emergency light or Reserve light has been used in column 2 of the List of Lights to indicate those stations where they have been installed; where Reserve or Emergency light details are confirmed they are included with the sequence. Reference should also be made to Special Remarks on page x for any Country specific information concerning these types of lights.



Luminous Range Diagram. This diagram enables the mariner to determine the approximate range at which a light may be sighted, at night, in the meteorological visibility prevailing at the time of observation.

The diagram is entered from the top border, using the nominal range listed in the body of the book, in column 6, or from the bottom border using the intensity from column 4 where listed. A list of those countries where nominal range is used will be found on page x. All other countries use luminous range for which the most commonly adopted meteorological visibility is 20 M, equivalent to a transmission factor of 0.85.

The figures along the curves represent the estimated meteorological visibility at the time of observation, and those along the left-hand border the luminous range under those conditions.

Example: A light of an intensity of 100,000 candelas has a nominal range of about 20 M. When the meteorological visibility is 20 M the light would be sighted at about 33 M, given a sufficient elevation and height of eye; and when 2 M, at about 5½ M.

As the scale along the top border is based on a meteorological visibility of 10 M, the luminous ranges in the prevailing conditions obtained from the 10 miles curve will be identical to those with which the diagram is entered from the top border. If a line is drawn joining points where values from the left-hand border intersect equal values on the curves, it will be seen to be parallel with and to the right of the curve for perfect visibility. Luminous ranges in the conditions prevailing at the time of observation obtained from intersections to the left of this line will be less than the estimated meteorological visibility, whilst those to the right will be greater. Due to their intensity, many lights will therefore be sighted at a greater distance than that of the estimated meteorological visibility.

The diagram can also be used to obtain an approximate meteorological visibility; when, for example, a light of an intensity of 100,000 candelas is sighted at 12 M, the meteorological visibility will be about 5 M.

CAUTION. When using this diagram it must be remembered that:

1. The ranges obtained are approximate.
2. The transparency of the atmosphere is not necessarily consistent between the observer and the light.
3. Glare from background lighting will reduce considerably the range at which lights are sighted. A light of 100,000 candelas has a nominal range of about 20 M; with minor background lighting as from a populated coastline this range will be reduced to about 14 M, and with major background lighting as from a city or from harbour installations to about 9 M.

Approximate sighting ranges may be obtained by entering the diagram with the listed intensity divided by 10 for minor background lighting, and by 100 for major background lighting.

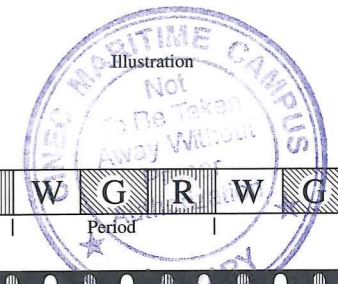
LIGHT CHARACTERS

Class of Light	Characteristic	General Description	Abbreviation	Illustration
A - FIXED	Fixed	A light showing continuously and steadily.	FW	
B - RHYTHMIC		A light showing intermittently with a regular periodicity. The rhythmic character of a light is the regular periodic sequences presented by the light.		
1 - Occulting and Group occulting		A light in which 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.		
	(a) Occulting	An occulting light in which an eclipse is regularly repeated.	Oc W	
	(b) Group occulting	An occulting light in which a group of eclipses, specified in number, is regularly repeated. The total duration of light in each period may be equal to the total duration of darkness.	Oc(2)W	
	(c) Composite group occulting	A light similar to a group occulting light except that successive groups in a period have different numbers of eclipses. The total duration of light in each period may be equal to the total duration of darkness.	Oc(3+4)W	
2 - Isophase	Isophase	A light in which all the durations of light and darkness are clearly equal.	Iso W	
3 - Flashing and Group Flashing		A light in 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.		
	(a) Flashing	A flashing light in which a flash is regularly repeated (at a rate of less than 50 flashes per minute).	FI W	
	(b) Long flashing	A single flashing light in which an appearance of light of not less than 2s duration (long flash) is regularly repeated.	LFI W	
	(c) Group flashing	A flashing light in which a group of flashes, specified in number, is regularly repeated.	FI(3)W	
(d) Composite group flashing	A light similar to a group flashing light except that successive groups in a period have different numbers of flashes.	FI(3+2)W		

Class of Light	Characteristic	General Description	Abbreviation	Illustration
4 – Quick lights		A light in which flashes are repeated at a rate of not less than 50 flashes per minute but less than 80 flashes per minute.		
	(a) Quick	A quick light in which a flash is regularly repeated.	Q W	
	(b) Group quick	A quick light in which a specified group is regularly repeated. <i>See note on page xix</i>	Q(9)W Q(6)+LFI W	
5 – Very quick lights		A light in which flashes are repeated at a rate of not less than 80 flashes per minute but less than 160 flashes per minute.		
	(a) Very quick	A very quick light in which a flash is regularly repeated.	VQ W	
	(b) Group very quick	A very quick light in which a specified group of flashes is regularly repeated.	VQ(3)W	
6 – Ultra quick lights	Ultra quick	A light in which flashes are repeated at a rate of not less than 160 flashes per minute.	UQ W	
7 – Morse Code	Morse Code	A light in which appearances of light of two clearly different durations are grouped to represent a character or characters in the Morse Code.	Mo(K)W Mo(AR)W Mo(4)W	
8 – Fixed and Flashing		A light in which a fixed light is combined with a flashing light of higher luminous intensity.		
	(a) Fixed and flashing	A fixed light varied, at regular intervals, by a single flash of higher luminous intensity.	FFI W	
	(b) Fixed and group flashing	A fixed light varied, at regular intervals, by a group of two or more flashes of higher luminous intensity.	FFI(2)W	

Class of Light	Characteristic	General Description	Abbreviation	Illustration
C – ALTERNATING		A light showing different colours alternately.		
1 – Alternating	Alternating	A continuous steady light which shows a change in colour.	Al WGR	
2 – Flashing and Group Flashing	(a) Alternating	See C1 and B3	AIFI WR	
	(b) Alternating group flashing	See C1 and B3	AIFI RW AIFI WRRR	
3 – Occulting and Group occulting	(a) Alternating occulting	See C1 and B1	AIOc WR	
	(b) Alternating group occulting	See C1 and B1	AIOc WGR	
4 – Fixed and flashing and Fixed and group flashing	(a) Alternating fixed and flashing	See C1, A and B3	AIF W FI R	
	(b) Alternating fixed and group flashing	See C1, A and B3	AIF W FI RG AIF W FI(3)G	
	(c) Alternating fixed and composite group flashing	See C1, A and B3	AIF W FI WRR	

NOTE: The group flashing lights Q(6)+LFI or VQ(6)+LFI are exceptional light characters reserved for use in the IALA Maritime Buoyage System to indicate a South Cardinal mark.



FOG SIGNALS

Sound is often conveyed in an unpredictable way through the atmosphere and the following points should be remembered:

- Fog signals are heard at greatly varying distances.
- Under certain atmospheric conditions, if a fog signal is a combination of high and low tones, one of the tones may be inaudible.
- There are occasionally areas around a station in which the fog signal is wholly inaudible.
- Fog may exist a short distance from a station and not be observable from it, so that the signal may not be sounded.
- Some fog signal emitters cannot be started immediately signs of fog are observed.

Mariners are therefore warned that fog signals should never be relied upon implicitly. Particular attention should be given to placing look-outs in positions in which the noises in the ship are least likely to interfere with the hearing of a fog signal; experience shows that, though such a signal may not be heard from the deck or bridge when the engines are moving, it may be heard when the ship is stopped, or from a quiet position.

Fog signals are mainly produced by the following types of emitters:

The *Diaphone* uses compressed air and generally emits a powerful, low-pitched sound, which often concludes with a brief sound of suddenly lowered pitch termed the "grunt". Where it is known that the sound does not terminate in a "grunt", the signal is annotated "No grunt".

The *Horn* uses compressed air or electricity to vibrate a diaphragm and exists in a variety of types which differ greatly in their sound and power; some types, particularly those at major fog signal stations, combine emitter units which simultaneously produce sounds of different pitch; these are often very powerful. Others produce a single steady tone, whilst others vary continuously in pitch.

The *Siren* uses compressed air and exists in a variety of types which differ considerably in their sound and power.

The *Reed* uses compressed air and emits a weak, high-pitched sound; it is particularly weak when hand-operated.

The *Explosive* emitter produces short reports by the firing of explosive charges.

The *Bell*, the *Gong* and the *Whistle* may be operated by machinery, sounding a regular character; by hand, sounding a somewhat irregular character; or by wave action, sounding erratically.

Morse Code fog signals. In a similar manner to lights, the abbreviation "Mo" is included in the abridged description of fog signals which consist of one or more characters of the Morse Code; e.g. Horn Mo(AR), Horn Mo(4) and composite fog signals are described, e.g. Siren(2+3).

Fog signal emitters of all types vary greatly in power; reserve emitters are often especially weak.

Some fog signal emitters sound characters composed of separate blasts of two or more different pitches; these are annotated, in column 8, "2-tone", "3-tone", etc. Other emitters commence with an ascending pitch, or conclude with a descending pitch, and are annotated accordingly; others which produce a continuously-varying pitch are annotated "warble tone".

AUTOMATIC IDENTIFICATION SYSTEM (AIS) AND RADAR BEACONS

The *List of Lights* documents other Aids to Navigation (AtoN) such as AIS stations, Racons and Ramarks, which are co-located with a listed light AtoN.

There are additional AIS, Racon & Ramark AtoNs located on minor buoys (not in the list of lights) or which are stand alone facilities.

For additional information about AIS and Radar Beacons, see Admiralty List of Radio Signals Volume 2 (NP282).

ABBREVIATIONS AND GLOSSARY

MAINTENANCE AUTHORITY ABBREVIATIONS AND COUNTRY TWO LETTER CODES

The authorities responsible for maintaining lights are indicated by the following abbreviations/ISO Country 2-letter codes in column 2. ISO Country 2-letter codes are also used in National Light Numbers - see page x

BN	Brunei Darussalam	SHELL	Shell Petroleum
CN	China	TW	Taiwan
CN: HK	Hong Kong: Special Administrative Region of China		

ABBREVIATIONS USED IN ADMIRALTY LIST OF LIGHTS

AHP	Above Head of Passes (in miles)	MV	Mercury vapour discharge lamp greenish-white in colour
AIS	Automatic Identification System Station	N	North
Al	Alternating	NE	North-East
ALL	Admiralty List of Lights and Fog Signals	NNE	North-North-East
AtoN	Aid(s) to Navigation	NNW	North-North-West
bl	Blast	NW	North-West
Bu	Blue	Oc	Occulting
CALM	Catenary Anchor Leg Mooring	Oc(.)	Group occulting
Dia	Diaphone	Occas	Occasional
Dir Lt	Direction Light	(P)	Preliminary
E	East	PA	Position approximate
ec	Eclipse (phase)	Q	Quick flashing
ED	Existence Doubtful	R	Red
ENE	East-North-East	Ra refl	Radar reflector
ESE	East-South-East	Racon	Radar responder beacon
Explos	Explosive fog signal	Ramark	Radar beacon (continuous)
F	Fixed	RCC	Reinforced Concrete Cement
FDPSO	Floating Drilling Production Storage and Offloading facility	RTE	Radar Target Enhancer
FFI	Fixed and flashing	S	South
FFI(.)	Fixed and group flashing	s	Seconds
Fl	Flashing	SALM	Single Anchor Leg Mooring
Fl(.)	Group flashing	SBM	Single Buoy Mooring
fl	Flash (phase)	SE	South-East
Fog Det Lt	Fog Detector Light	si	Silence
FPSO	Floating Production Storage and Offloading facility	SPM	Single Point Mooring (Fixed) (SALM Type)
FSO	Floating Storage and Offloading facility	SPM	SPM Point Mooring (Floating) (CALM Type)
FSU	Floating Storage Unit	SSE	South-South-East
G	Green	SSW	South-South-West
GRP	Glass Reinforced Plastic	St	Saint (and other foreign variations)
gt	Gross Tonnage	SV	Sodium vapour discharge lamp orange in colour
HFPB	High Focal Plane Buoy	SW	South-West
(hor)	Horizontal	Sync	Synchronized
Intens	Intensified sector	(T)	Temporary
Irreg	Irregular	TALM	Taut Anchor Leg Mooring
Iso	Isophase	TD	Temporarily discontinued (non-light AtoN)
Lanby	Large Automatic Navigational Buoy	TE	Temporarily extinguished (Light AtoN)
Lat	Latitude	TSS	Traffic Separation Scheme
Ldg Lts	Leading Lights	Unintens	Unintensified sector
LED	Light Emitting Diode	UQ	Ultra quick flashing
LFI	Long flash	(var)	Varying
Lit	Light (no details known)	(vert)	Vertical
Long	Longitude	Vi	Violet
lt	Light (phase)	Vis	Visible
Lt F	Light float	VQ	Very quick flashing
Lt V	Light vessel	W	West
Lts in line	Lights in line	W	White
M	Sea miles	Whis	Whistle
m	Metres	WNW	West-North-West
min	Minutes	WSW	West-South-West
Mo	Morse Code light or fog signal	Y	Yellow, amber or orange

GLOSSARY OF FOREIGN TERMS

GLOSSARY

A glossary of the principal terms used in this list of lights is given on the following pages. It should be noted that the terms given in some cases are equivalents rather than exact translations.

POJMOVNIK (Croatian)

Sljedeće stranice sadrže pojmovnik glavnih izraza korištenih u ovom popisu svjetionika. Treba voditi računa da umjesto točnog prijevoda u nekim slučajevima korišteni izrazi predstavljaju ekvivalent.

TOELICHTING (Dutch)

Een verklarende woordenlijst, van de voornaamste uitdrukkingen, welke in deze lichtenlijst zijn opgenomen, wordt op de volgende bladzijde weergegeven. De aandacht wordt erop gevestigd, dat de aangegeven uitdrukkingen in enkele gevallen gelijkkluidend zijn, en geen nauwkeurige vertalingen.

GLOSSAIRE (French)

Un glossaire des principaux termes employés dans cette liste de feux se trouve aux pages suivantes. Il est à noter que dans certains cas les termes indiqués représentent des équivalents plutôt que des traductions exactes.

GLOSSAR (German)

Ein Glossar über die wichtigsten in diesem Leuchtfeuerverzeichnis verwendeten Ausdrücke befindet sich auf den folgenden Seiten. Zu beachten ist, dass die angegebenen Ausdrücke in gewissen Fällen gleichbedeutend aber keine genauen Übersetzungen sind.

ΛΕΞΙΛΟΓΙΟ (Greek)

Στις επόμενες σελίδες του καταλόγου αναγράφεται λεξιλόγιο των κυριότερων όρων που χρησιμοποιούνται στον φαροδείκτη. Πρέπει να ληφθεί υπόψη ότι σε μερικές περιπτώσεις η απόδοση των όρων είναι μάλλον σε ισοδύναμη παρά σε ακριβή μετάφραση.

GLOSSARIO (Italian)

Un glossario dei principali termini adoperati in questa lista di fanali si trova alle pagine seguenti. Si prega di notare che in qualche caso i termini indicati rappresentano equivalenti anziché traduzioni esatte.

GLOSSAR (Norwegian)

En glossar over de viktigste uttrykk som blir brukt i denne fyrlisten angis på de følgende sider. Det bemerkes at enkelte uttrykk bare er ekvivalenter, ikke noyaktige oversettelser.

LISTA (Polish)

Lista głównych wyrażeń użytych w spisie świateł zawarta jest na dalszych stronicach. Zaznaczamy, że w niektórych wypadkach podano odpowiednie znaczenie raczej niż dosłowne tłumaczenie.

GLOSSÁRIO (Portuguese)

O glossário dos principais termos empregues nesta lista de faróis é apresentado nas páginas seguintes. Em certos casos são indicados termos equivalentes em lugar de traduções exactas.

ОПИСАНИЕ (Russian)

Краткое описание главных терминов употребляемых в этом списке огней дается на следующих страницах. Надо принять во внимание, что термины, данные в некоторых случаях, являются эквивалентом, а не точным переводом.

OPISIVANJE (Serbian)

Kratko opisivanje glavnih termina upotrebljenih u ovom popisu svjetionika se daje na sledećim stranama. Trebalo bi uzeti u obzir da termini koji se daju u nekim slučajima predstavljaju ekvivalentat umesto tačnog prevoda.

GLOSARIO (Spanish)

Un glosario de las voces principales empleadas en esta lista de faros se encuentra en las páginas siguientes. Hay que notar que en algunos casos las voces indicadas son más bien equivalentes que traducciones exactas.

GLOSSAR (Swedish)

En glossar över de viktigaste uttrycken som användes i denna fyrlista finns på följande sidor. Det bör observeras att vissa uttryck endast är ekvivalenter och ej noggranna översättningar.

LIGHTS: Character

English	Hrvatski	Netherlands	Français	Deutsch	Ελληνιστι	Italiano	Norsk	Polski	Portugués	Русский	Srpski	Español	Svensk
F	S.	V	Fixe	F.	Στ.	Fissa	Fast	S.	F	П	S.	F.	F
Oc	Pk.	O	Occ	Ubr.	Δλ.	Int.	Okk	P.	Oc	Зтм	Pk.	Oc	Int
Iso	Izo.	Iso	Iso.	Glt.	Ico.	Int.	Klipp	I.	Is	Изо	Izo.	Iso.	K
Fl	Bl.	S	É.	Blz. Blk.	Av.	Lam.	Blink	B.	Is Iso.	Пл	Bl.	D.	B Bx
Q	K. Bl.	Fl	Scint.	Fkl.	Στθ	Scint. Sc.	Hurtigblink	M.	Ct	Ч. Пп	K. Bl.	Ct.	Sx
IQ	K. Bl. Pk.	Int Fl	Scint. dis.	Fkl. unt.	Στθ. Διακ	Scint. Int. Sc. Int.		M. (.)	Ct int	ппеп. Ч. Пп	K. Bl. Pk.	Gp. Ct.	K-Sx
Al	Pm.	Alt	Alt.	Wechs.	Ev.	Alt.	Vks	Zm.	Alt	Пеп	Pm.	Alt.	Vx
Oc(.)	Pk. Gp.	GO	...Occ.	Urb.(.) Urb. Grp.	Δομ. Δλ. *	Int. grp. Int. (.)	Grp okk fm	P. (.)	Oc Agr Gp. Oc.	Гр. Зтм	Pk. Gp.	Gp. Oc. Gr. Oc.	Int(x)
F(.)	Bl. Gp.	GS	...É	Blz.(.) Blk.(.) Blz. Grp. Blk. Grp.	Δομ. Av	Grp. lam. Lam. (.)	Gruppe blink Toklipp	B. (.)	Bl Agr Gp. Lp.	Гр. Пп	Bl. Gp.	Gp. D.	B(x) Bx(x)
Mo	Mo.			Mo.	Mo.		Fast med blink	Mo.	Morse	Mo	Mo.	Mo.	Mo.
FFI	Sj.	V & S	Fixe É	F. & Blz. Mi.	Στ. Av.	F. lam.		R.	F RI F. Lp.	и. Пп	Sj.	F. D.	Fm B
FFI(.)	Sj. Gp.	V & GS	Fixe .É.	F. & Blz.(.) Mi.	Στ. Δομ. Av.	Fissa grp. lam. F. lam. (.)	Fast med gruppe blink	R.	F. Gp. Lp. F. Gp. Cl. F. Gp. RI.	и. Гр. Пп	Sj. Gp.	F. Gp. D. Gp. D y F.	Fm B(x)

COLOURS

English	Hrvatski	Netherlands	Français	Deutsch	Ελληνιστι	Italiano	Norsk	Polski	Portugués	Руски	Srpski	Español	Svensk
B (black)	Crna	Zwart	Noir	s. (schwarz)	Μάυροϋ	Nero	Svart	cz. (czarny)	Preto	Ч.	Crna	Negro	Svart
Vi (violet)	Lj. (ljubičasto)	vi	Vio.	viol.	Βιολέττα	Violetto	Blå	f. (fioletowy)		Фл	Lj. (ljubičasto)	Vi	Vi
Bu (blue)	Plavo	b	bl	bl. (blau)	Γαλάζιοϋ	azz	Blå	n. (niebieski)	A. az	CH.	Plavo	Azul	bl
G (green)	z. (zeleno)	gn	V	gn. (grün)	Πρ.	v	g.	z. (zielony)	V. vd.	Зл	z. (zeleno)	v	g
Orange	Nar. (narančasto)	gl	org	or. (orange)	Πορτ.	ar	Oransje	pm. (pomarańczowy)	Alaranjado Laranja	op.	Nar. (narančasto)	Anaranjado	or
R (red)	C. (crveno)	r	R.	r. (rot)	Ep.	r	r	c. (czerwony)	E. rh.	кp.	C. (crveno)	r	r
W (white)	B. (bijelo)	w	B.	w. (weiß)	Λ.	b	h	b. (biały)	B. br.	Бл	B. (bijelo)	bl	v
Y (yellow)	Žuta	Geel	Jaune	g. (gelb)	Κτ.	Giallo	Gul	z. (żółty)	Amarelo (Am.) Amarela	Ж.	Žuta	Amarillo	Gul
Brown	Smeda	Bruin	Brun	braun	Κοκκαύοϋ	Bruno	Brun	br. (brązowy)	Castanho	кopиr.	Smeda	Moreno Pardo	Brun
Grey	Siva	Grijs	Gris	grau		Grigio	Grå	sz. (szary)	Cinzeno	cp.	Siva	Gris	Gra

FOG SIGNALS

English	Hrvatski	Netherlands	Français	Deutsch	Ελληνιστι	Italiano	Norsk	Polski	Portugués	Руски	Srpski	Español	Svensk
Radiobeacon	Radiofar	Radiobaken	Radiophare	Funkfeuer	Ραδιοφάροϋ	Radiofaro	Radiofy	Radiolaternia	Radiofárol	P Mκ.	Radiofar	Radiofaro	Radiofy
Diaphone	Dijatón	Diafoon	Diaphone	Kolbensirene	Διάφωvov	Diafono	Diafón	Diafón	Diafone	(Д)	Dijatón	Diáfono	Diafón
Horn	Nautofon	Nautofon	Come de brume Nautophone Klaxon Typhon	Nautofon Nautophon Typhon	Ναυτόφωvov	Nautofono	Nautofon	Nautofon	Nautofone	Сбс.	Nautofon	Nautófono	Nautofon
Siren	Sirena	Mistsirene Sirene	Sirène	Sirene	Σειρήv	Sirena	Sirene	Syrena	Sercia	Сир	Sirena	Sirena	Sirene
Reed	Pisak	Misfluit	Trompette	Zungenhorn	Κέρας	Corno	Tåkelur	Róg	Trompa Buzina	(Г)	Pisak	Bocina	Rör
Explosive	Praskavi signal	Knalmistsein	Explosion	Nebelknallsignal	Έρηκταύ	Explosivo	Knallsignal	Rakieta detonacyjna Dziato	Explosão	Вap	Praskavi signal	Explosivo	Knallapparát
	Top	Mistkanon	Canon	Kanone	Πυροβολύov	Cannone	Skudd	Dziato	Canhão Tiro	(т)	Top	Cañón	Kanon
Bell	Zvono	Mistklok Mistbel	Cloche	Glocke	Κόδov	Campana	Klocke	Dzwon	Sino	Колок	Zvono	Campana	Klocka
Gong	Gong	Mistgong	Gong	Gong	Κυυ.	Gong	Gongong	Gong	Gongo	Гонг	Gong	Gong	Gonggong
Whistle	Zvzdajjka	Misfluit	Sifflet	Heuler	Συγκитρα	Fischio	Orgel	Buczek	Apito	Пёв	Zvzdajjka	Silbato	Ljud

LIGHT STRUCTURES

English	Dolphin	Light	Lighthouse	Light vessel	Light float	Beacon	Column	Dwelling	Framework tower	House	Hut	Mast	Post	Tower	Concrete	Iron	Metal
Hrvatski	Stup za vez	Svjetlo	Svjetionik	Brod svjetionik	Plutajuće svjetlo	Oznaka	Stupac	Stanovanje	rešetkasta kula	Kuća	Koliba	Jarbol	Stup	Kula	Beton	Željezni	Metalan
Netherlands	Ducdalf Meerpaal	Licht	Lichttoeren	Lichtschip	Lichtvlot	Baken	Lantaarnpaal	Huis	Tralemast Geraamte	Huis	Huisje	Mast	Lantaarnpaal	Toren	betoniert Beton	Ijzeren	Metaalachtig Metalen
Français	Duc d'Albe	Feu	Phare	Feu (ou phare) flottant Bateau-feu Feu flottant	Feu flottant	Balise	Colonne	Corps de logis	Charpente Pyl.	Bâtiment Maison	Cabane	Mât	Poteau	Tour Tourelle	Béton	de fer	métallique
Deutsch	Dalben	Leuchfeuer	Leuchtturm	Leuchtschiff	Leuchtfloß	Bake	Laternenträger	Wohnhaus	Gittermast	Haus	Hütte	Mast	Laternenfahl	Turm	betoniert	Eisern	metallisch
Italiano	Briccola	Fanale	Faro	Batello-fanale	Fanale galleggiante	Meda	Pilastro Colonna	Abitazione	Traiccio Armatura	Casa	Casotto	Albero	Palo	Torre	Cemento	Ferro	Metallico
Norsk	Duc d'Albe	Fyr	Fyr	Fyrskip	Flytende fyr eller lykt	Varde Båke	Stång	Hus	Bygning	Hus	Skjul Hute	Mast	Stolpe	Tårn	betong	av jern	metallisk
Polski	Dalba	Światło	Latarnia morska	Latarniowiec	Światło pływające	Stawa	Kolumna	Dom	Kratowa wieża	Dom	Budka	Maszt	Pal	Wieża	Beton	Żelazny	Metalowy
Portugués	Duque de Alba de Alba Pilar	Luz	Fárol	Varca farol Varco farol	Luz flutuante	Balisa Baliza	Coluna	Casa	Armação	Casa	Sabana	Mastro	Poste Pilar	Torre	Betão Cimento	de ferro	metal
Russkij	пал	Огонь	Маяк (Мк.)	Плавающий маяк (пл. Мк.)	Плавающий огонь	Знак (Зн.)	Колонна	Дом	Ажурная башня	Дом	Домик, Будка	Мачта	Столб	Башня	Бетонный (adj.)	Железный (adj.)	Металли-ческий (adj.)
Srpski	Stup za vez	Svjetlo	Svjetionik	Brod svjetionik	Plutajuće svjetlo	Oznaka	Stupac	Stanovanje	rešetkasta kula	Kuća	Koliba	Jarbol	Stup	Kula	Beton	Željezni	Metalan
Español	Duque de Alba Noray	Luz	Faro	Buque faro	Luz flotante	Baliza	Columna	Casa	Armação Esqueleto en celosia	Casa	Caseta	Mástil Palo	Poste	Torre	Hormigón Cemento	Hierro	metálico
Svensk	Dykdalb	Fyr	Fyrtorn	Fyrskepp	Flytande fyr	Båk	Stång	Hus	Bygning Stålmning	Hus	Kur	Mast	Stolpe	Torn	Betong	av järn	metallisk

LIGHT STRUCTURES

English	Stone Masonry	Wooden	Band	Stripe	Chequered	Topmark	Round	Cone	Conical	Diamond	Square	Triangle	Triangular
Hrvatski	Zidarstvo	Drven	Horizontalne pruge	Vertikalne pruge	Karirana	Znak na vrhu	Okrugli	Cunij	Cunjust	Romb	Kvadrat	Trokut	Trokutan
Netherlands	Stenen	Houten	Horizontaal gestreept	Vertikaal gestreept	Geblokt	Topteken	Rond	Kegel	Kegelvormig	Ruitvormig	Vierkant	Driehoek	Driehoekig
Français	Maçonnerie	en bois	Bande	Raie	à damier	voyant (voy.)	Cylindrique (cyl.)	Cône	Conique	Losange (los.)	carré	triangle (triang.)	triangulaire (triang.)
Deutsch	steinern	Holzern	waagrecht gestreift	senkrecht gestreift	gewürfelt	Topnzeichen	rund	Kegel	kegelförmig	Raute rauteenförmig	Viereck viereckig	Dreieck	dreieckig
Italiano	Muratura	di legno	Strisce orizzontali	Strisce verticali	a scacchi	Miraglio	Rotondo	Cono	Conico	Losanga Rombo	Quadrangolare	Triangolo	Triangolare
Norsk	av sten muring	av tre	Horisontalt stripe	Vertikalt stripe	Rutet	Topnzeike	Circletrund	Kjedge	Kjedgeformet	romb	Firkantet	Trekant	Trekantet
Polski	Kamienny	Drzewiany	W pasy poziome	W pasy pionowe	W szachownice	Znak szczytowy	Okrągły	Stożek	Stożkowy	Romb	Kwadrat	Trojkąt	Trojkątny
Portugués	Santaria Alvenaria	de madeira	Faixas horizontales	Faixas verticais	Xadrezado em xadrez	Alvo Mira Tope	Redondo Circular	Cone	Cónico	Losango Rombo	Quadrangular	Triângulo	Triangular
Russkij	Каменный (adj.)	Деревянный	Горизонтальная полоса	Вертикальная полоса	Шахматный	Топовая Фигура	Круглый	Конус	Конусо-образный	Ромб	Квадрат	Треугольник	Треугольный (adj.)
Srpski	Zidarstvo	Drven	Horizontalne pruge	Vertikalne pruge	Karirana	Znak na vrhu	Okrugli	Cunij	Cunjust	Romb	Kvadrat	Trokut	Trokutan
Español	sillería mampostería	de madera	Franjas horizontales	Franjas verticales	ajedrezado	Marca de tope Mira	Redondo Circular	Cono	Cónico	rombo	Cuadrangular	Triángulo	Triangular
Svensk	av sten muring	av trä	Horisontalt streck-Balte	Loдрätt bolte	Rutig	Topptecken	Circletrund	Kon	Konisk	romb	Fyrkantig	Trekant	Trekantig

DESCRIPTIVE TERMS

English	Destroyed	Occasional	Temporary	Extinguished	Hrvatski	Netherlands	Français	Deutsch	Ελληνιστί	Italiano	Norsk	Polski	Português	Русский	Srpski	Español	Svensk
	Srušen	Prigodno	Privremeno	Pogaseno	Srušen	Vernield (Fac)	Détruit	zerstört	Κατεστραμμένος	Distrutto	Ødelagt	Zburzony	Destruído	Разрушенный	Srušen	Destruído	Förstörd
	Prigodno	Prigodno	Privremeno	Pogaseno	Προσωρινός	zeitweise	Deçu	zeitweise	Προσωρινός	Occasionale	tilfeldigt	Okolicznosciowy	Ocasional	Случайный	Prigodno	Ocasional	Tilfällig
	Privremeno	Privremeno	Privremeno	Pogaseno	Προσωρινός	zeitweilig	Temporaire	zeitweilig	Προσωρινός	Temporaneo	Midlertidig	czas. czasowy	Temporario	Временный	Privremeno	Temporale	Tilfällig
	Privremeno	Privremeno	Privremeno	Pogaseno	Σβηστός	gelöscht	Éteint	gelöscht	Σβηστός	Spento	Slukket	Zgaszony	Extinto	Погашенный	Pogaseno	Aragada	Släckt

For "Glossary of Geographic Terms", see Admiralty Sailing Directions

South China and Eastern Archipelagic Seas — South China Sea — Parcel Islands

P3196	Bei Jiao (North Reef)	17 03-90 N 111 28-10 E	Fl(2)W 6s	23	15	White round concrete tower	TE 2003
P3197-5	Yongxing Dao (Woody Island)	16 50-30 N 112 19-50 E	Fl(3)W 9s	20	13	White round structure	(fl 0-3, ec 1) x 2, fl 0-3, ec 6-1. Occas
P3199-5	Langhua Jiao (Bombay Reef). W End	16 01-60 N 112 26-70 E	Fl W 4s	24	15	White round concrete tower	

South China and Eastern Archipelagic Seas — Gulf of Tonkin — China

P3316	Baixugong Jiao	21 23-29 N 108 12-44 E	Fl W 4s	23	18	White concrete column	
P3316-1	Bialongwei	21 30-07 N 108 13-11 E	Fl W 4s	90	18	White round concrete tower	
P3316-13	Xiaoshuang Shi	21 31-97 N 108 13-34 E	Fl(2)W 5s	10	6	Black ♂ on black concrete column, red band	
P3316-3	FANGCHENG GANG - Sanya Shi	21 30-76 N 108 20-19 E	Fl(2)W 5s	11	8	Black ♂ on black column, red band	
P3316-68	- Iron and Steel Works. No 1	21 32-19 N 108 21-73 E	Fl W 4s	11	3	White column, red band	
P3316-7	- Diaoyutai Dao	21 32-60 N 108 22-21 E	Fl W 4s	16	6	White concrete column	
P3316-72	- Iron and Steel Works. No 3	21 33-29 N 108 22-31 E	Fl W 4s	8	3	White column, red band	
P3316-79	- Hudie Ling	21 32-82 N 108 26-75 E	Fl W 4s	28	4	White metal pile, red bands	
P3316-8	QINZHOU WAN. QISHA GANG - Pingdun Shi	21 34-09 N 108 29-02 E	Fl W 4s	9	6	White round stone pile	fl 0-6. Fishing
P3316-82	- Tiaoduo Shi	21 33-78 N 108 29-13 E	Fl(2)W 6s	6	6	White round stone pile	fl 0-4, ec 1, fl 0-4, ec 4-2. Fishing
P3316-84	- Tiantang Jiao	21 33-83 N 108 28-41 E	Fl W 3s	35	8	Round concrete pile	fl 0-3. Fishing
P3316-85	- Jiangbian Shi	21 34-29 N 108 28-73 E	Fl R 4s	9	4	White round stone pile	fl 0-4. Fishing
P3316-9	FANGCHENG GANG - Dongwan Hangdao. LB1	21 35-65 N 108 23-01 E	LFl G 3s	7	5	White metal framework beacon	
P3316-91	-- LB2	21 35-80 N 108 23-11 E	LFl G 3s	19	5	White metal framework beacon	
P3316-92	- Dongwan Channel. No C Pier	21 35-14 N 108 21-73 E	Fl W 6s	16	5	Red and white post	
P3316-93	-- No D Pier	21 34-98 N 108 21-70 E	Fl W 6s	16	5	Red and white post	
P3316-94	- Pier. S End	21 32-99 N 108 21-08 E	Fl(2)W 6s	16	5	Red and white post	

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South China and Eastern Archipelagic Seas — Gulf of Tonkin — China

FANGCHENG GANG - (contd)

QINZHOU WAN. QINZHOU GANG - (contd)

					m	M	
P3317-4 CN, G103, 4958	- Xixian Hangdao. Ldg Lts 317.4°. Front	21 34-70 N 108 19-24 E	Fl(3)W 6s		12	5	White stone pile, black stripe
P3317-41 CN, G103, 4959	- - - Rear. 500m from front	21 34-89 N 108 19-05 E	F W		20	5	White stone pile, black stripe
P3317-8 CN, G103, 4962	- Jiangjun Shan. Northward	21 37-36 N 108 19-36 E	Fl(3)W 6s		20	..	White stone pile, black stripe <i>(fl 0-3, ec 1) x 2, fl 0-3, ec 3-1</i>
P3317-805 CN, G103, 4963-001	- - North-eastward. Coastguard Pier. Breakwater. Head	21 37-57 N 108 19-02 E	Fl W 4s		7	3	White column, red bands 6
P3317-81 CN, G103, 4963	- -	21 38-02 N 108 19-24 E	F W		31	..	White stone pile, black stripe
P3317-9 CN, G103, 4961-1	- Ldg Lts 016°10'. Front. Longkongdun	21 37-74 N 108 19-93 E	Fl(3)W 6s		..	4	White stone pile, black stripe 13 <i>(fl 0-3, ec 1) x 2, fl 0-3, ec 3-1</i>
P3317-91 CN, G103, 4961-91	- - Rear. Shiwumen. 389m from front	21 37-94 N 108 19-99 E	F W		..	4	White stone pile, black stripe 18
P3318 CN, G103, 4956	- Sanya Qiandeng. Northward	21 32-77 N 108 20-21 E	Fl(3)W 6s		7	6	White stone pile, black stripe <i>(fl 0-3, ec 1) x 2, fl 0-3, ec 3-1.</i> TE 2013
P3318-1 CN, G103, 4957	- Sanya. Southward	21 32-50 N 108 20-26 E	F W		12	6	White stone pile, black stripe TE 2013
P3318-4 CN, G103, 4960	- Maan Ling Ldg Lts 339°16'. Front	21 36-82 N 108 19-15 E	Fl(3)W 6s		10	5	White stone pile, black stripe <i>(fl 0-3, ec 1) x 2, fl 0-3, ec 3-1</i>
P3318-41 CN, G103, 4961	- - Rear. 340m from front	21 36-99 N 108 19-08 E	F W		16	5	White stone pile, black stripe
P3319 CN, G103, 4921-1	QINZHOU WAN. QINZHOU GANG - Laoren Sha in Water	21 41-20 N 108 36-91 E	Fl(2)G 6s		4	3	Green 4-sided concrete column
P3319-1 CN, G103, 4914-2	- Qinzhou Electric Works. Breakwater. Head. No 1	21 41-45 N 108 37-64 E	F R		..	..	White square metal framework tower, red bands 10
P3319-15 CN, G103, 4914-21	- - - - No 2	21 41-52 N 108 37-47 E	F R		..	..	White square metal framework tower, red bands 10
P3319-18 CN, G103, 4914-27	- Zhongshiyou Matou	21 41-55 N 108 37-31 E	LFI R 6s		15	5	Red and white GRP column 10 <i>fl 2</i>
P3319-19 CN, G103, 4913-0311	- East Oil Pier. No 1	21 41-81 N 108 36-81 E	Fl W 4s		3	3	White column 3
P3319-191 CN, G103, 4913-0312	- - No 2	21 41-87 N 108 36-66 E	Fl W 4s		3	3	White column 3
P3319-2 CN, G103, 4923	- Qingcaitou Dao	21 41-75 N 108 36-03 E	Fl W 4s		25	8	White concrete column 14 <i>fl 0-4</i>
P3319-22 CN, G103, 4924	- - Xishi - - -	21 41-88 N 108 36-23 E ..	Fl R 4s AIS		7 ..	3	Red □ on red pile 10 .. MMSI No 994131666
P3319-3 CN, G103, 4920	- Emeiyue Shi	21 39-54 N 108 34-18 E	Fl(2)W 6s		6	4	White round stone tower 9 <i>fl 0-4, ec 1, fl 0-4, ec 4-2.</i> Occas
P3319-349 CN, G103, 4914-538	- Fangcheng. Power Plant. No 1	21 40-43 N 108 34-80 E	Fl W 6s		12	4	White metal pile, red bands 7
P3319-35 CN, G103, 4914-539	- - - No 2	21 40-32 N 108 34-88 E	Fl W 6s		12	4	White metal pile, red bands 7

					m	M	
P3319-4 CN, G103, 4921	- Xihaijiang Jiao	21 40-83 N 108 35-54 E	Fl G 4s		6	5	Green △ on white 4-sided stone tower 6
P3319-5 CN, G103, 4925	- Xiaoya Shi	21 42-51 N 108 34-90 E	Fl R 4s		6	3	Red □ on white 4-sided concrete pile 8
P3319-575 CN, G103, 4934	- Donggua Shi	21 44-98 N 108 33-27 E	Fl R 3s		5	1-4	White 4-sided stone cairn 6 <i>fl 0-3</i>
P3319-576 CN, G103, 4935	- Xiangshuishi	21 45-09 N 108 33-32 E	Fl G 4s		9	6	White 4-sided stone cairn 7
P3319-581 CN, G103, 4938-135	- Bupiao Shi	21 45-65 N 108 32-29 E	Fl R 4s		3	4	Red □ on red 4-sided stone cairn 7 <i>fl 0-5</i>
P3319-5812 CN, G103, 4938-1	- Qi Shi	21 45-84 N 108 32-14 E	Fl G 4s		3	4	Green △ on green beacon 6 <i>fl 0-5</i>
P3319-5813 CN, G103, 4938-11	- Xiabaogai. No 3	21 46-26 N 108 31-75 E	Fl R 4s		7	4	Red □ on red 4-sided stone cairn 6
P3319-5814 CN, G103, 4938-12	- Shangbaogai. No 4	21 46-35 N 108 31-68 E	Fl R 4s		4	4	Red □ on red 4-sided stone cairn 6 <i>fl 0-5</i>
P3319-5815 CN, G103, 4938-13	- Jinshuidunlan. No 5	21 46-56 N 108 31-39 E	Fl R 4s		7	4	Red □ on red beacon 10
P3319-5817 CN, G103, 4938-15	- Qiaoshi Wei. No 7	21 46-88 N 108 31-01 E	Fl R 4s		7	4	Red □ on red beacon 11
P3319-5818 CN, G103, 4938-16	- Wu Shan. No 8	21 47-87 N 108 30-54 E	Fl R 4s		3	4	Red □ on red 4-sided stone cairn 6 <i>fl 0-5</i>
P3319-583 CN, G103, 4938	- Haiyin Jiao. No 1	21 46-21 N 108 32-95 E	Fl R 4s		7	4	Red □ on red concrete column 13
P3319-5832 CN, G103, 4938-14	- Aijiao Shi. No 2	21 47-20 N 108 32-80 E	Fl R 4s		4	4	Red □ on red 4-sided stone cairn 6 <i>fl 0-5</i>
P3319-59 CN, G103, 4938-165	- Ajiling	21 48-75 N 108 30-31 E	Fl R 4s		8	4	Red □ on red metal beacon 6
P3319-599 CN, G103, 4938-18	- Maodun Jiao	21 49-42 N 108 29-77 E	Fl R 4s		3	4	Red □ on red 4-sided stone cairn 6 <i>fl 0-5</i>
P3319-6 CN, G103, 4938-19	- Jili Shi. No 11	21 49-56 N 108 29-61 E	Fl G 4s		13	4	Green △ on green 4-sided stone cairn 11 <i>fl 0-5</i>
P3319-601 CN, G103, 4938-2	- Niubian Shi. No 12	21 49-60 N 108 29-50 E	Fl R 4s		3	4	Red □ on red 4-sided stone cairn 6 <i>fl 0-5</i>
P3319-602 CN, G103, 4938-17	- Nandingping	21 49-30 N 108 30-11 E	Fl G 4s		8	3	Green △ on green concrete column 12 <i>fl 0-5</i>
P3319-65 CN, G103, 4914-181	- Navigating Mark Pier	21 43-99 N 108 38-38 E	Fl W 5s		8	3	Red and white column 6
P3319-7 CN, G103, 4913	QINZHOU WAN - Jishuidu Shi	21 38-31 N 108 42-32 E	Fl W 4s		9	6	White concrete column 12

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QINZHOU WAN - (contd)									
				m	M				
P3319-72	- Pingdun	21 37-78 N 108 42-56 E	Fl R 4s	8	6	Red concrete column	fl 0-5		
CN, G103, 4912					12				
P3319-78	- Damiaodun	21 35-49 N 108 44-49 E	Fl W 4s	39	18	White concrete tower			
CN, G103, 4911	--	..	Racon	..	..	..	ALRS Vol 2 Station 80920		
P3319-783	Yinpan	21 27-64 N 109 26-54 E	Fl(2)W 6s	24	6	White 4-sided framework beacon			
CN, G103, 4890					24				
P3319-785	Shatian Gang. South-eastward	21 30-74 N 109 39-90 E	Fl W 3s	28	7	Metal framework beacon			
CN, G103, 4888-2									
P3319-786	Rugen Conservation Area. No 10	21 30-00 N 109 40-00 E	Mo(O)Y 15s	7	4	Yellow x on yellow square concrete tower			
CN, G103, 4866-442					8				
P3319-787	- No 11	21 29-20 N 109 41-07 E	Mo(O)Y 12s	8	4	Yellow x on yellow round concrete column			
CN, G103, 4866-443					10				
P3319-788	- No 16	21 27-17 N 109 44-44 E	Mo(O)Y 15s	9	4	Yellow x on yellow concrete column			
CN, G103, 4866-481					10				
TIESHANGANG									
P3319-789	- Rugen Conservation Area. No 9	21 29-99 N 109 38-20 E	Mo(O)Y 15s	6	4	Yellow x on yellow square concrete tower			
CN, G103, 4866-441					9				
P3319-79	Yinpan. Southward	21 26-95 N 109 26-43 E	Fl R 4s	4	6	□ on beacon			
CN, G103, 4891					6				
P3319-8	Shatian Gang. Duida Tou	21 31-12 N 109 39-27 E	Fl W 4s	37	6	White 4-sided metal pipe framework tower	fl 0-4		
CN, G103, 4889					34				
ANPU GANG									
P3319-811	- Anpu Hangdao. No 7	21 23-75 N 109 52-12 E	Fl R 4s	..	3	□ on red beacon			
CN, G103, 4867					7				
P3319-812	-- No 8	21 23-58 N 109 52-07 E	Fl G 4s	..	3	△ on green beacon			
CN, G103, 4867-1					7				
P3319-813	-- No 9	21 23-88 N 109 52-80 E	Fl(2)R 6s	..	3	□ on red beacon			
CN, G103, 4868-2					7				
P3319-814	-- No 10	21 23-70 N 109 52-85 E	Fl(2)G 6s	..	3	△ on green beacon			
CN, G103, 4868-3					7				
P3319-815	-- No 11	21 24-10 N 109 53-38 E	Fl(3)R 10s	..	3	□ on red beacon			
CN, G103, 4868-4					7				
P3319-816	-- No 12	21 24-00 N 109 53-45 E	Fl(3)G 10s	..	3	△ on green beacon			
CN, G103, 4868-5					7				
P3319-817	-- No 13	21 24-58 N 109 53-82 E	Fl R 4s	..	3	□ on red beacon			
CN, G103, 4869-2					7				
P3319-818	-- No 14	21 24-53 N 109 53-97 E	Fl G 4s	..	3	△ on green beacon			
CN, G103, 4869-3					7				
P3319-819	-- No 15	21 24-80 N 109 53-98 E	Fl(2)R 6s	..	3	□ on red beacon			
CN, G103, 4869-4					7				
P3319-83	- Beitan	21 24-30 N 109 54-10 E	Fl(3)W 10s	5	3	White metal column			
CN, G103, 4870					5				
P3319-85	- Longtousha	21 27-82 N 109 48-62 E	Fl W 4s	58	8	..	fl 0-5.		
CN, G103, 4876					24		Fishing		
P3319-9	- Hong Shi	21 27-96 N 109 47-71 E	Fl(2)W 5s	5	2	Black 8 on black beacon, red band	fl 0-5, ec 1, fl 0-5, ec 3		
CN, G103, 4877					6				

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TIESHANGANG									
				m	M				
P3319-96	- Daniu Shi	21 28-30 N 109 32-90 E	Fl W 4s	13	12	White round concrete tower	fl 0-5		
CN, G103, 4884	--	..	Racon	..	..	..	ALRS Vol 2 Station 80957		
P3319-963	- Tieshan Harbour Administration Pier. Head	21 29-32 N 109 33-30 E	Fl W 4s	7	3	White round column, red bands			
CN, G103, 4884-36					6				
P3319-965	- Laoya Shi	21 41-34 N 109 32-88 E	Fl W 3s	17	3	White 4-sided stone pillar			
CN, G103, 4885-1					8				
P3319-97	--	21 43-42 N 109 33-73 E	Fl G 4s	7	4	Green △ on green concrete column	fl 0-5		
CN, G103, 4885-2					13				
P3319-98	- Jinliushui	21 43-68 N 109 34-30 E	Fl R 4s	5	4	Red □ on red 4-sided stone cairn	fl 0-5		
CN, G103, 4885-3					4				
P3319-985	- Maiyougong	21 44-10 N 109 35-40 E	Fl R 4s	4	4	Red □ on red 4-sided stone cairn	fl 0-5		
CN, G103, 4885-4					3				
P3319-99	- Xiaomao Shan	21 44-80 N 109 35-60 E	Fl G 4s	4	4	Green △ on green 4-sided stone cairn	fl 0-5		
CN, G103, 4885-5					3				
BEIHAI GANG									
P3320	- Guantou Ling	21 27-23 N 109 03-06 E	Fl W 3s	129	18	White 4-sided tower			
CN, G103, 4895					7				
P3320-25	-- Nanwan. E Breakwater. Head	21 26-18 N 109 03-27 E	Fl G 4s	12	6	..	Fishing		
P3320-26	--- W Breakwater. Head	21 26-17 N 109 03-15 E	Fl R 4s	12	6	..	Fishing		
P3320-3	-- Ldg Lts 071°10'. Front	21 27-53 N 109 02-90 E	F W	..	6				
P3320-31	--- Rear. 100m from front	21 27-55 N 109 02-96 E	F W	..	6				
P3320-5	- Beihai Xingang. Ldg Lts 130°. Front	21 28-33 N 109 03-98 E	F R	22	3	Red △ on red beacon	TE 2013		
CN, G103, 4894-1					23				
P3320-51	--- Rear. 340m from front	21 28-21 N 109 04-13 E	F R	28	3	▽ on metal framework tower	TE 2013		
CN, G103, 4894-11					30				
P3321	- Waisha Neigang. Ldg Lts 152°26'. Front	21 28-83 N 109 05-13 E	F R	16	3	Black △ on black framework tower			
CN, G103, 4902					14				
P3321-1	--- Rear. 150m from front	21 28-77 N 109 05-17 E	F R	23	3	Black ▽ on black framework tower			
CN, G103, 4903					21				
P3322-9	Dianbailiao Gang. W Breakwater. Head	21 24-73 N 109 07-31 E	Fl R 4s	12	5	..	Fishing		
P3323	- Entrance	21 24-96 N 109 07-33 E	Fl R 4s	10	3	..	Fishing		
P3323-1	- Ldg Lts 013°10'. Front	21 25-30 N 109 07-47 E	F R	18	2				
P3323-11	-- Rear. 270m from front	21 25-43 N 109 07-51 E	F R	24	2				
P3324	Baihu Tou	21 24-24 N 109 09-41 E	Fl W 4s	14	6	White 3-sided metal framework pipe	fl 0-4		
CN, G103, 4892					3				

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WEIZHOU DAO				m	M		
P3326 CN, G103, 4878	- Wankou Zui	21 00-77 N 109 05-86 E	Fl W 10s	97	18	White concrete tower	<i>fl 1</i>
	--	..	Racon	..	..	..	ALRS Vol 2 Station 80950
P3326-2 CN, G103, 4878-8	- Weizhou. Oil and Gas Pipeline. No 1	21 02-83 N 109 05-08 E	Mo(C)WRG 12s	40	8	White Δ on red and white metal tower	G034-1°-036-1°(2°), W036-1°-039-1°(3°), R039-1°-041-1°(2°)
P3326-21 CN, G103, 4878-9	--- No 2	21 02-96 N 109 05-14 E	Mo(C)WRG 12s	40	8	White Δ on red and white metal tower	G034-3°-036-3°(2°), W036-3°-039-3°(3°), R039-3°-041-3°(2°)
P3326-9 CN, G103, 4878-95	Xieyang Dao. N	20 55-07 N 109 12-26 E	Fl W 4s	49	3	White metal pile, red bands	7
P3327	-	20 54-28 N 109 12-42 E	Fl W 4s	15	5	White wooden tripod	6
LEIZHOU BANDAO							
P3327-12 CN, G103, 4860	- Jiachuan Jiao	21 01-03 N 109 40-81 E	Fl(2)W 5s	5	6	Black ⊗ on black beacon, red band	<i>fl 0-5, ec 1, fl 0-5, ec 3.</i> Isolated danger mark
P3327-123 CN, G103, 4863-5	- Caotanjiao Tousha	21 20-63 N 109 45-58 E	Q W	21	5	White metal column	20
P3327-124 CN, G103, 4863-51	- Ganlai	21 21-14 N 109 50-26 E	Fl(2)W 6s	22	5	Red and white round concrete tower	20
P3327-125 CN, G103, 4863	- Caotan	21 16-48 N 109 46-41 E	Fl W 4s	26	8	White round stone tower	<i>fl 0-4</i> 9
P3327-1255 CN, G103, 4862	- San Shi	21 12-85 N 109 45-30 E	Fl(2)W 5s	6	6	⊗ on black pile, red band	<i>fl 0-5, ec 1, fl 0-5, ec 3.</i> Isolated danger mark
P3327-126 CN, G103, 4861-6	- Gang Men (Shi Jiao)	21 12-50 N 109 45-34 E	Fl(2)W 5s	6	3	⊗ on black pile, red band	Isolated danger mark
P3327-127 CN, G103, 4861-5	- Yuemin Gang	21 11-64 N 109 44-61 E	Fl W 4s	..	4	White round concrete structure	7
P3327-1275 CN, G103, 4861-2	- Jianghong Yanzaio	21 07-56 N 109 40-65 E	Q W	16	5	White metal column	15
P3327-128 CN, G103, 4860-4	- Jianghong. Breakwater. No 1	21 02-03 N 109 41-97 E	Fl R 4s	..	3	Metal tower	5
P3327-129 CN, G103, 4860-5	--- No 2	21 01-90 N 109 41-85 E	Fl(2)G 6s	..	3	Green Δ on metal tube	7
P3327-13 CN, G103, 4859	--	21 01-80 N 109 42-40 E	Fl W 6s	34	8	White metal framework beacon	<i>fl 0-5.</i> Fishing
P3327-14 CN, G103, 4858-5	- Danchang Gang	20 57-53 N 109 40-17 E	Fl W 3s	6	4	White post, red bands	4
P3327-15 CN, G103, 4857	- Jianghong. Qishui Gang. A	20 44-56 N 109 44-85 E	Fl W 4s	9	6	White round stone masonry pile	<i>fl 0-5.</i> Fishing
P3327-16 CN, G103, 4858	--- B	20 44-61 N 109 44-95 E	Fl(3)W 10s	15	6	White round stone pile	Fishing
P3327-17 CN, G103, 4856-1	- Haikang Gang. No 1-1	20 42-44 N 109 45-64 E	Fl(2)G 6s	..	3	Green Δ on green metal pile	14
P3327-18 CN, G103, 4856-11	-- No 2	20 42-39 N 109 45-83 E	Fl R 4s	6	3	Red □ on red metal pile	7

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LEIZHOU BANDAO — Haikang Gang - (contd)				m	M		
P3327-19 CN, G103, 4856-12	-- No 3	20 42-15 N 109 46-34 E	Fl(3)G 10s	6	3	Green Δ on green metal pile	7
P3327-193 CN, G103, 4855-2	-- Haikang	20 41-50 N 109 47-14 E	Fl W 4s	..	4	White concrete column	10
P3327-198 CN, G103, 4855-1	- Jianghong. Xuhuangcun	20 40-49 N 109 44-66 E	Fl R 4s	..	3	Red metal post	7
P3327-2 CN, G103, 4855	-- Xuhuang Jiao	20 39-89 N 109 44-29 E	Fl W 2-5s	16	10	White framework tower	<i>fl 0-5</i> 13
LEIZHOU BANDAO. LIUSHA WAN							
P3327-21 CN, G103, 4854	- Yanting Jiao	20 37-91 N 109 44-70 E	Fl(2)W 6s	8	6	White round stone masonry pile	<i>fl 0-4, ec 1, fl 0-4, ec 4-2</i> 10
P3327-22 CN, G103, 4853	- Jianghong. Dongtu Jiao	20 32-65 N 109 48-88 E	Fl W 4s	14	8	White framework tower	<i>fl 0-4</i> 10
P3327-23 CN, G103, 4852	-- Siwei Jiao	20 30-39 N 109 49-23 E	Fl(2)W 6s	6	5	White stone tower	<i>fl 0-5, ec 1, fl 0-5, ec 4</i> 9
P3327-25 CN, G103, 4851	-- Liusha Wan. Na'ao	20 29-61 N 109 51-24 E	Fl(2)R 6s	6	2	Red □ on red round tower	<i>fl 0-5, ec 1, fl 0-5, ec 4</i> 9
P3327-3 CN, G103, 4836	-- Shuiwei Jiao	20 24-02 N 109 50-82 E	Fl W 4s	8	6	White round stone masonry pile	<i>fl 0-3.</i> TE 2015 6
P3327-35 CN, G103, 4836-1 CN, G103, 4836-2	- Shuiwei Bifengtang. Breakwater. Head. R --- L	20 24-59 N 109 52-39 E ..	Fl G 4s Fl R 4s	4 4	4 4	Green pile Red pile	7 7
P3327-4 CN, G103, 4835-5	- Jianghong. Shuiwei Cun. N Breakwater. Head	20 23-66 N 109 51-98 E	Q R	4	4	Red metal post	TE 2015 5
P3327-41 CN, G103, 4835-51	--- S Breakwater. Head	20 23-63 N 109 52-00 E	Q G	3	4	Green metal post	TE 2015 6
P3327-51 CN, G103, 4837	- Liusha Gang. Shima Jiao Ferry	20 26-00 N 109 54-74 E	Q W	4	4	Metal post	3
P3327-52 CN, G103, 4837-1	-- Luisha Jiao Ferry	20 26-22 N 109 55-05 E	Q W	6	4	Metal post	3
P3327-55 CN, G103, 4847	-- Fishing Harbour. Pier	20 26-57 N 109 55-71 E	Fl(2)R 6s	..	2	Red metal framework beacon on building	<i>fl 0-5, ec 1, fl 0-5, ec 4</i> 9
P3327-57 CN, G103, 4847-51	--- Houfeng Ferry	20 27-34 N 109 56-07 E	Q R	6	4	Red tower	4
P3327-58 CN, G103, 4847-5	--- Xiahai Ferry	20 27-29 N 109 56-47 E	Q R	5	4	Red and white column	4
P3327-6 CN, G103, 4841	-- Ldg Lts 135°37'. Front	20 25-22 N 109 55-89 E	Iso R 4s	11	7	White stone column	Sync with rear 14
P3327-61 CN, G103, 4842	--- Rear	20 25-12 N 109 55-99 E	Iso R 4s	15	7	White stone column	18
LEIZHOU BANDAO. QIONGZHOU HAIXIA							
P3328 CN, G103, 4835	- Denglou Jiao	20 13-45 N 109 55-19 E	Fl W 6s	34	18	Concrete tower	<i>fl 0-5</i> 32
	--	..	Racon	ALRS Vol 2 Station 80960

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LEIZHOU BANDAO. QIONGZHOU HAIXIA - (contd)

				m	M	
P3328-5 CN, G103, 4834-09	- Qionghaidian. Northern Coast. Landing	20 15-32 N 109 56-90 E	Mo(C)RWG 12s	13	8	White Δ on white metal pole, red bands 13
P3328-51 CN, G103, 4834-07	-- Nanlingcun. Pier	20 15-40 N 109 57-00 E	Q W	3	4	Metal post 3
P3328-52 CN, G103, 4834-08	--- Breakwater. Head	20 15-40 N 109 57-10 E	Q R	3	4	Metal post 3
P3330 CN, G103, 4831	- Sandunwei	20 14-19 N 110 06-38 E	Fl W 4s	11	5	White round stone pile 8
P3331 CN, G103, 4831-6	- Jiaowei Wan. E Breakwater	20 13-29 N 110 07-32 E	Fl G 3s	13	4	Green metal column 10 <i>fl 1</i>
P3331-5 CN, G103, 4831-7	-- W Breakwater	20 13-32 N 110 07-20 E	Fl R 3s	13	4	Red metal column 10 <i>fl 1</i>
P3332 CN, G103, 4831-8	-- Rail Ferry. Northern Coast Channel. Ldg Lts	20 13-86 N 110 06-73 E	Fl R 5s	39	15	White concrete column, black band 35 <i>fl 1</i>
P3332-5 CN, G103, 4830-8	- Sitang. Paisanjiao Reef	20 14-01 N 110 08-88 E	Q W	5	4	Metal post 3
P3332-52 CN, G103, 4830-81	-- Breakwater. Head	20 14-35 N 110 08-76 E	Q W	5	4	Metal post 3
P3332-8 CN, G103, 4830-7	- Santang Bifengtang	20 14-29 N 110 10-50 E	Fl W 3s	5	4	Red metal post 4
P3333 CN, G103, 4830-6	- Santang	20 14-36 N 110 10-73 E	Fl(2)W 6s	23	5	White brick tower 20
P3333-2 CN, G103, 4830-59	-- Breakwater	20 14-75 N 110 11-22 E	Q W	10	4	Red round column 8
P3334 CN, G103, 4822	- Paiwei Jiao	20 14-74 N 110 16-92 E	Fl W 3s	24	12	Round masonry pile 8 <i>fl 0-5</i>
P3334-5 CN, G103, 4833	- Xindi Zui	20 16-14 N 110 00-84 E	Fl W 4s	11	3	White concrete pile 7 <i>fl 0-5</i>
P3334-8 CN, G103, 4824-5	- Hai'an Xingang. Breakwater	20 15-88 N 110 12-63 E	Fl G 4s	..	4-7	White concrete column 7
P3335 CN, G103, 4825	- Hai'an Gang	20 16-14 N 110 13-73 E	Fl(3)W 10s	33	8	White stone column 15
P3335-2 CN, G103, 4826	-- Ldg Lts 336°-3°. Front	20 16-52 N 110 14-01 E	Iso R 4s	25	5	White round masonry tower 6
P3335-21 CN, G103, 4827	--- Rear	20 16-67 N 110 13-95 E	Iso R 4s	35	6	White round masonry tower 10
P3335-32 CN, G103, 4828-1	-- Breakwater	20 16-16 N 110 13-95 E	Fl R 4s	10	..	Red round concrete pile
P3335-45 CN, G103, 4821-5	- Pengliao Gang. Pier. No 1	20 15-88 N 110 17-67 E	Q R	4	4	Metal post 3
P3335-46 CN, G103, 4821-51	--- No 2	20 15-86 N 110 17-78 E	Q G	4	4	Metal post 3
P3335-6 CN, G103, 4821-1	- Heitu Jiao	20 15-93 N 110 19-41 E	Fl W 3s	5	4	Green pile 4
P3335-601 CN, G103, 4821-11	-- Baishui Tang	20 15-93 N 110 19-41 E	Fl R 4s	5	4	Red pile 4
P3336 CN, G103, 4821	- Hongkan	20 18-51 N 110 23-86 E	Fl W 8s	45	18	White round stone tower 15 <i>fl 0-5</i>

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				m	M	
P3336-2 CN, G103, 5113-51	Huaneng E. Electric Works. Coal Pier. N Breakwater	19 03-26 N 108 36-86 E	Fl W 4s	10	6	White GRP tower, red bands 8
P3336-3 CN, G103, 5113-5	--- S Breakwater	19 03-04 N 108 36-86 E	Fl(2)W 6s	12	6	White metal tower 10
P3336-33 CN, G103, 5113-6	-- Berth	19 03-03 N 108 37-24 E	Fl W 4s	10	6	White metal tower 8
P3336-4 CN, G103, 5113-7	-- Ldg Lts 090°. Front	19 03-16 N 108 37-87 E	F R	32	8	Δ on grey 4-sided framework tower 30
P3336-41 CN, G103, 5113-8	--- Rear. 770m from front	19 03-16 N 108 38-30 E	F R	47	8	▽ on grey 4-sided framework tower 48
P3336-43 CN, G103, 5113-26	- Dangerous Cargo Pier. Ldg Lts 096°. Front	19 03-40 N 108 37-81 E	F G	30	7	Δ on beacon 26
P3336-44 CN, G103, 5113-27	--- Rear	19 03-37 N 108 38-10 E	F G	41	7	▽ on beacon 37
P3336-46 CN, G103, 5113-25	Basou Xingang. Pier	19 03-68 N 108 37-61 E	Fl R 2s	9	6	Beacon 7
P3336-5 CN, G103, 5113-29	- S Breakwater	19 03-38 N 108 37-08 E	Iso G 4s	13	5	Green GRP tower
P3336-6 CN, G103, 5113-3	- N Breakwater	19 03-57 N 108 37-16 E	Iso R 4s	13	5	Red GRP tower
P3337 CN, G103, 5108	BASUO GANG (TUNG-HAI-TAN) - Yulin Jiao	19 05-98 N 108 36-83 E	Fl(2)W 6s	62	18	Blue concrete column 19 <i>fl 0-3, ec 0-9, fl 0-3, ec 4-5</i>
P3337-1 CN, G103, 5113	-- - N Breakwater	.. 19 06-43 N 108 37-16 E	Racon Fl R 3s	..	..	.. 8 Red round concrete pile 9 <i>fl 1</i>
P3337-3 CN, G103, 5112	- W Breakwater	19 06-32 N 108 37-21 E	Fl G 3s	9	8	Green round concrete pile 9 <i>fl 1</i>
P3337-6 CN, G103, 5109	- Ldg Lts 089°03'. Front	19 06-39 N 108 37-92 E	F R.	21	6	Δ on white square concrete column, black stripe 17 F G Ldg Lts Occas on each side mark edges of channel
P3337-61 CN, G103, 5110	--- Emergency light -- Rear. 260m from front	.. 19 06-40 N 108 38-07 E	Fl R 3s F R	..	26	6 ▽ on white square concrete column, black stripe 22
P3337-8 CN, G103, 5113-1	- Basuo Xingang	19 06-91 N 108 38-19 E	Fl R 4s	..	2	Red □ on red concrete column 6 <i>fl 0-5</i>
P3337-82 CN, G103, 5113-11	--	19 06-84 N 108 38-09 E	Fl(2)G 6s	8	9	Green Δ on green round concrete pile <i>fl 0-5, ec 0-5, fl 0-5, ec 4-5</i>
P3337-84 CN, G102, 5113-2	-- Breakwater. Head	19 06-89 N 108 38-33 E	Fl G 4s	..	1	White concrete column 6 <i>fl 0-5</i>
P3337-85 CN, G103, 5114-1	DUNTOU WAN - Dongfang. Wind Tower. Warning	19 11-13 N 108 32-28 E	Mo(C)Y 12s	16	8	3-sided metal framework tower
P3337-88 CN, G103, 5114	- Shang'an Shi	19 09-93 N 108 39-55 E	Fl(2)W 5s	7	5	Black 8 on black concrete pile, red band 9 <i>fl 0-5, ec 0-5, fl 0-5, ec 3-5</i>
P3337-89 CN, G103, 5115	- Sigeng Sha Lt Ho	19 11-74 N 108 36-34 E	Fl(2)W 6s	31	15	White concrete tower 34

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		DUNTOU WAN - (contd)							
				m	M				
P3337-9	- Sigeng Sha	19 12-56 N 108 37-66 E	Fl W 4s	21	9	White round concrete tower 19	fl 0-5		
CN, G103, 5116									
P3338-1	Changhua Gang	19 19-81 N 108 40-29 E	Fl W 3s	12	6	White round stone pile 12	fl 0-5. Fishing		
CN, G103, 5118									
P3338-2	Junbi Jiao (Ta Chiao T'ou)	19 21-89 N 108 41-10 E	Fl W 8s	96	20	White 6-sided concrete tower 8	fl 0-5		
CN, G103, 5119									
			Racon	..	..	..	ALRS Vol 2 Station 81090		
P3338-23	Shayutang	19 23-28 N 108 45-23 E	Fl R 4s	6	2	Red □ on red 4-sided stone pile 11	fl 0-5. Fishing		
CN, G103, 5120									
P3338-25	Shayutang Gang	19 22-28 N 108 45-52 E	Fl W 3s	12	8	Black △ framework tower 12	fl 0-5. Fishing		
CN, G103, 5119-1									
P3338-3	Haiwei Gang Gate	19 26-07 N 108 48-46 E	Fl R 4s	10	2	Red □ on red pile	fl 0-5. Fishing		
CN, G103, 5121									
P3338-311	Hainan Changjiang Nuclear Power. Breakwater. Head. No 1	19 28-70 N 108 53-30 E	Fl W 2s	6	4	White round column			
CN, G103, 5121-041									
P3338-312	Hainan Changjiang. Nuclear Power. Breakwater. Head. No 2	19 28-63 N 108 53-20 E	Fl R 2s	11	10	White round column 10			
CN, G103, 5121-042									
P3338-32	Haitou Xingang	19 30-52 N 108 55-96 E	Fl W 3s	..	..	Red □ on red square concrete pile 8	fl 0-3		
CN, G103, 5121-1									
P3338-33	Haitou Gang	19 31-50 N 108 55-97 E	Fl R 4s	4	2	Red □ on red 4-sided concrete pile 11	fl 0-5. Fishing		
CN, G103, 5122									
P3338-34	-	19 31-29 N 108 56-52 E	Fl(2)W 6s	9	4	White concrete tower 11	fl 0-3, ec 1, fl 0-3, ec 4-4		
CN, G103, 5122-1									
P3338-4	Guanyin Jiao (Kuan-yin Chiao)	19 34-67 N 109 00-51 E	Fl(3)W 9s	60	18	White square stone tower 25			
CN, G103, 5123									
			Racon	..	..	..	ALRS Vol 2 Station 81095		
	YANGPU WAN								
P3338-5	- Dachan Jiao. SW End	19 40-03 N 109 04-95 E	Fl W 6-5s	4	7	White metal framework tower 6	fl 0-5. Fishing		
CN, G103, 5125									
P3338-52	- - NE End	19 41-12 N 109 06-12 E	Iso W 2s	14	8	White metal column, red bands 10			
CN, G103, 5125-1									
			Racon	..	..	..	ALRS Vol 2 Station 81097		
P3338-6	- P'ai-pu-Shih	19 38-52 N 109 08-90 E	Fl(2)W 6s	9	6	White round stone pile 8	fl 0-5, ec 1, fl 0-5, ec 4		
CN, G103, 5124									
P3338-7	- Yangpu Jiao	19 42-81 N 109 10-16 E	Q(4)W 12s	14	12	White square stone tower 12	(fl 0-3, ec 0-7) x 3, fl 0-3, ec 8-7. Fishing		
CN, G103, 5127									
P3338-71	- Yangpu Gang. Underwater Rock	19 43-38 N 109 11-01 E	Fl R 4s	2	1-2	Red □ on red pillar	fl 0-5. Fishing		
CN, G103, 5128									
P3338-72	- - Gate	19 43-93 N 109 11-42 E	Fl(2)R 6s	7	1-2	Red □ on red concrete column 6	fl 0-5, ec 1, fl 0-5, ec 4		
CN, G103, 5131-1									
P3338-73	- - Xipu	19 43-58 N 109 12-22 E	Fl G 6s	4	0-7	White 4-sided stone tower 4	fl 0-5. Fishing		
CN, G103, 5134									

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		YANGPU WAN — Yangpu Gang - (contd)							
				m	M				
P3338-74	- - Ldg Lts 045-45°. Front	19 43-86 N 109 11-74 E	F R	48	7	Black △ on silver white metal framework tower 41			
CN, G103, 5132									
P3338-741	- - - Rear	19 44-10 N 109 12-00 E	F R	63	7	Black ▽ on silver white metal framework tower 49			
CN, G103, 5133									
P3338-75	- Baimajing Basin. Ldg Lts 316°19'. Front	19 43-63 N 109 12-62 E	Fl W 2s	12	1-5	White 4-sided brick structure, black stripe 6	fl 0-5. Fishing		
CN, G103, 5136									
P3338-751	- - - Rear	19 43-69 N 109 12-55 E	Fl W 1-5s	17	1-5	White 4-sided brick structure, black stripe 5	fl 0-5. Fishing		
CN, G103, 5137									
P3338-752	- - Beipaotai	19 43-61 N 109 12-82 E	Fl(2)W 6s	15	8	White concrete column			
CN, G103, 5135									
P3338-753	- - Pier	19 43-08 N 109 13-01 E	Q(4)W 12s	15	6	Concrete body on fishery building	(fl 0-3, ec 0-7) x 3, fl 0-3, ec 8-7. Fishing and Typhoon Warning		
CN, G103, 5139									
P3338-754	- Danzhou Wan. Sanjiacun	19 44-16 N 109 12-97 E	Fl W 4s	11	4	White stone cairn 4	fl 0-5. Fishing and Typhoon Warning		
CN, G103, 5144									
P3338-755	- - Shenguan Jiao	19 44-58 N 109 13-52 E	Fl W 6s	8	4	White stone cairn, black stripe 4	fl 0-5. Fishing		
CN, G103, 5145									
P3338-756	- Xinying Gang. No 1	19 44-34 N 109 14-67 E	Fl(2)G 6s	7	1-8	Green △ on green concrete column 8	fl 0-5, ec 1, fl 0-5, ec 4		
CN, G103, 5146									
P3338-7562	- - No 2	19 44-22 N 109 15-29 E	Fl(2)R 6s	8	2-4	Red □ on red concrete column 8	fl 0-5, ec 1, fl 0-5, ec 4		
CN, G103, 5147									
P3338-7564	- - No 3	19 44-20 N 109 15-70 E	Fl(2)G 6s	9	1-8	Green △ on green concrete column 8	fl 0-5, ec 1, fl 0-5, ec 4		
CN, G103, 5148									
P3338-758	- Hainan. Chemical Refinery. Oil Pier. Summary. C1	19 45-54 N 109 09-42 E	F R	14	5	Red metal column			
CN, G103, 5149-54									
P3338-759	- - - - - C2	19 45-72 N 109 09-43 E	F R	14	5	Red metal column			
CN, G103, 5149-55									
P3338-76	- - - - - Breakwater. F1	19 45-44 N 109 09-50 E	Q R	13	5	White metal pile, red bands 10			
CN, G103, 5149-52									
P3338-761	- - - - - F2	19 45-78 N 109 09-50 E	Iso W 4s	18	5	White metal column, red bands			
CN, G103, 5149-53									
P3338-762	- - - Berth No 7. C3	19 45-50 N 109 09-75 E	Q G	10	5	White metal column, green bands 7			
CN, G103, 5149-45									
P3338-768	- Shentou Gangqu. Breakwater. Head	19 45-88 N 109 09-25 E	Fl(2)W 6s						
P3338-77	- Special Integrated Pier. No 1	19 45-98 N 109 09-60 E	Fl G 6s	13	6	Silver metal tower	fl 1		
CN, G103, 5149-7									
P3338-79	- Shentou Gangqu	19 46-51 N 109 09-88 E	F Y	6	2				
P3338-791	- -	19 46-51 N 109 09-93 E	F Y	10	2				
P3338-8	- Shenjian Jiao	19 47-24 N 109 09-70 E	Fl W 4s	30	6	White concrete column 15	fl 0-5. PA		
CN, G103, 5150									

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YANGPU WAN - (contd)								
P	Description	Lat	Long	Height	Material	Light	Notes	
P3338-9	- Base Oil Pier. Centre	19 47-69 N	109 08-44 E	30	10 Silver and white metal framework tower	fl 0-5. Fog Signal		
							ALRS Vol 2 Station 81098	
P3338-91	- Crude Oil Pier. S	19 47-58 N	109 08-40 E	14	5 Grey metal tube			
P3338-92	- - N	19 47-81 N	109 08-51 E	14	5 Grey metal tube			
P3338-93	- Base Oil Pier. No 1	19 47-66 N	109 08-63 E	9	5 Yellow metal tube			
P3338-94	- - No 2	19 47-58 N	109 08-80 E	9	5 Yellow metal tube			
P3338-95	- - No 3	19 47-49 N	109 09-01 E	9	5 Yellow metal tube			
P3338-96	- - No 4	19 47-41 N	109 09-18 E	9	5 Yellow metal tube			
P3338-97	- - No 5	19 47-34 N	109 09-34 E	9	5 Yellow metal tube			
P3338-99	- Shenjian Jiao. Yangpuyisheng Petrification Pier	19 48-29 N	109 09-86 E	14	8 Green and white GRP column	fl 0-5		
P3339	Bingma Jiao (Ping-ma Chiao)	19 53-53 N	109 15-69 E	71	22 White 6-sided concrete tower, red stripes	fl 0-5		
	- Reserve light			15				
							ALRS Vol 2 Station 81100	
HOUSHUI WAN								
P3339-02	- Jiangyin Jiao	19 53-85 N	109 27-76 E	13	10 Black metal framework tower, white band	(fl 0-5, ec 1-5) x 2, fl 0-5, ec 5-5		
P3339-05	- Touzui Pai	19 52-42 N	109 29-55 E	4	4 White concrete post	fl 0-5		
P3339-1	- Touzui Gang. Entrance	19 51-77 N	109 31-06 E	8	1 Red □ on red round stone pile	fl 0-5, ec 1, fl 0-5, ec 4		
P3339-2	- -	19 52-44 N	109 31-13 E	7	4 Square stone pile	fl 0-4		
P3339-3	- Xinying Gang. Ldg Lts 133°27'. Front	19 53-14 N	109 31-45 E	9	2 White round concrete pile	fl 0-3		
P3339-31	- - - Rear. 100m from front	19 53-10 N	109 31-49 E	17	2 White round concrete pile	fl 0-3		
P3340	Bocong Jiao	19 59-74 N	109 35-14 E	11	7 △ on yellow beacon, black top			
HOUSHUI WAN								
P3340-5	- Baowu	19 57-27 N	109 32-63 E	9	2 Red □ on red concrete pile	(fl 0-5, ec 0-5) x 2, fl 0-5, ec 7-5		
P3340-55	- Diaolou Gang. Breakwater. Head	19 56-27 N	109 31-94 E	5	4 White round concrete pile	Fishing		
P3340-56	- Diaolou	19 56-81 N	109 31-99 E	19	2 Red □ on red round pile	fl 0-5, ec 1, fl 0-5, ec 4		
P3340-57	- Huanglong Gang	19 55-22 N	109 31-72 E	10	5 White round concrete pile	fl 0-5, ec 1, fl 0-5, ec 4. Fishing		

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HOUSHUI WAN - (contd)								
P	Description	Lat	Long	Height	Material	Light	Notes	
P3340-59	- Daoliao Jiao. N	19 54-45 N	109 30-86 E	8	6 White stone tower	fl 0-4. Fishing		
P3340-6	- Tou Pai	19 55-16 N	109 28-95 E	9	2 Green △ on green tower-shaped concrete pile	fl 0-5, ec 1, fl 0-5, ec 4		
P3340-8	- Linchang Jiao. W End	19 55-03 N	109 24-84 E	9	2 Red □ on red round stone masonry pile	fl 0-5, ec 1, fl 0-5, ec 4		
P3341	Lingao. Wind Tower. Warning	20 08-90 N	109 29-30 E	17	8 3-sided metal framework tower			

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QIONGZHOU HAIXIA								
P	Description	Lat	Long	Height	Material	Light	Notes	
P3342	- Lingao Jiao	20 00-61 N	109 42-68 E	21	15 White metal framework tower, red bands	(fl 1, ec 3-5) x 2, fl 1, ec 7-5, fl 2, ec 7-5		
							ALRS Vol 2 Station 81110	
P3342-5	- Hongpai Gang	19 57-56 N	109 47-92 E	12	6 White round stone column	fl 0-4, ec 1, fl 0-4, ec 4-2		
P3342-6	- Maniao Gang. Westward	19 58-82 N	109 48-74 E	15	5 Black ⊗ on black pile, red band	10	Isolated danger mark	
P3342-62	- - -	19 59-09 N	109 48-76 E	11	5 Black ⊗ on black pile, red band	10	Isolated danger mark	
P3342-68	- - - N Beacon	19 59-26 N	109 48-71 E	12	10 Black metal framework tower, white band	9	fl 0-5	
P3342-73	- Yubao Jiao	19 59-50 N	109 56-49 E	74	18 White 3-sided concrete tower, red bands	54		
							ALRS Vol 2 Station 80965	
P3342-74	- Qionghaidian Southern Coast Landing	19 59-26 N	109 56-78 E	34	8 White △ on white metal pole, red bands	18		
P3342-8	- Mancun Gang. Wharf	19 57-59 N	110 00-38 E	14	8			
P3343	- - W Breakwater. Head	19 57-66 N	110 01-11 E	13	5 White metal pillar, red bands	10	fl 1	
P3343-1	- - E Breakwater. Head	19 57-68 N	110 01-28 E	10	2-4 Post			
P3343-2	- Haikou Electric Works Pier	19 57-78 N	110 01-99 E	8	4 Yellow framework beacon	9		
P3343-25	- Hainan Zhongyou. Shennan. LNG. No 1	19 58-83 N	110 03-29 E	14	5 White metal column	6		
P3343-26	- - - - No 2	19 58-92 N	110 03-39 E	14	5 White metal column	6		
P3343-3	- Nangang	20 00-15 N	110 07-82 E	39	15 White concrete tower, black stripe	fl 2		
P3343-32	- - S Breakwater	20 02-58 N	110 08-52 E	15	4 Green GRP column	fl 1		

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QIONGZHOU HAIXIA — Nangang - (contd)

				m	M		
P3343-34 CN, G103, 5022-3	-- N Breakwater	20 02-66 N 110 08-40 E	Fl R 3s	13	4	Red GRP column	<i>fl 1</i>
P3345 CN, G103, 5023	- Xinhai (Tianwei Jiao)	20 03-43 N 110 09-68 E	Fl W 4s	18	6	White round stone pile 15	<i>fl 0-5</i>
P3345-2 CN, G103, 5022-7	- Changliu. Waste Discharging	20 03-77 N 110 09-88 E	Mo(C)Y 12s	11	4	White metal post, red bands 6	
P3345-5 CN, G103, 5022	- Houhai	20 03-47 N 110 12-49 E	Fl W 1-5s	22	12	White concrete pile 20	<i>fl 0-3</i> Occas
P3346 CN, G103, 5020	- Xiuying Haikou Gang	20 01-21 N 110 16-08 E	Fl(2)W 10s	41	15	White round metal tower on white building 24	<i>fl 0-5, ec 2-8, fl 0-5, ec 6-2</i>
P3347 CN, G103, 5018	-- Ldg Lts 163°08'. Front	20 01-38 N 110 16-44 E	FR	38	10	△ on white concrete column, black stripe 31	
P3347-1 CN, G103, 5019	--- Rear. 672m from front	20 01-04 N 110 16-56 E	FR	48	10	▽ on white concrete column, black stripe 29	
P3347-3 CN, G103, 5017	-- W Breakwater. Head	20 01-67 N 110 16-47 E	Fl R 2s	11	9	Round concrete column 14	<i>fl 0-5</i>
P3347-4 CN, G103, 5017-01	-- Container Terminal. N Breakwater	20 02-32 N 110 16-39 E	Iso R 4s	15	10	Red metal pile	
P3347-6 CN, G103, 4994	- Puqian Gang. Shi Jiao	20 02-29 N 110 33-94 E	Fl W 4s	8	6	White round stone pile 8	<i>fl 0-5</i>
P3347-61 CN, G103, 4995	-- No 3	20 02-01 N 110 33-84 E	Fl G 6s	5	3	Green △ on green metal framework tower 5	TE 2015
P3347-62 CN, G103, 4996	-- No 4	20 01-48 N 110 34-30 E	Fl(3)G 10s	4	3	Green △ on green metal framework tower 5	TE 2015
P3347-8 CN, G103, 5009-1	- Haikou Gang. Baisha Jiao	20 03-98 N 110 18-28 E	Fl W 6s	16	8	Round concrete pile 14	<i>fl 0-5</i> TE 2013
P3347-9 CN, G103, 5008	-- Ldg Lts 096°. Front	20 03-36 N 110 18-60 E	Fl W 1-5s	9	..	White round concrete tower, black band 9	<i>fl 0-3</i>
P3347-91 CN, G103, 5009	--- Rear	20 03-32 N 110 18-97 E	Fl W 3s	14	6	White round concrete tower 12	<i>fl 0-5</i>
P3347-95 CN, G103, 5009-11	- Haikou Wan. Baisha Men	20 04-28 N 110 18-84 E	Fl W 6s	78	18	White 3-sided concrete tower 72	<i>fl 1</i>
	---	..	Racon	..	..	..	ALRS Vol 2 Station 81130
P3347-96 CN, G103, 5000-005	--- Waste Discharging	20 04-64 N 110 19-58 E	Mo(C)Y 12s	10	4	White metal post, red bands 6	
P3348 CN, G103, 4991	- Linwu Gang	20 06-37 N 110 38-78 E	Fl W 4s	19	6	White 4-sided column 10	<i>fl 0-4</i>
P3348-1 CN, G103, 4989	- Mulan Tou (Hainan Jiao)	20 09-60 N 110 41-09 E	Fl(2)W 15s	88	25	White round concrete tower 72	
	-- Reserve light	..	Fl(2)W 15s	..	20	..	
P3348-15 CN, G103, 4984	- Chaotan Jiao	20 02-66 N 110 45-69 E	Fl W 4s	16	6	White stone cairn 10	<i>fl 0-5</i>

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QIONGZHOU HAIXIA - (contd)

				m	M		
P3348-23 CN, G103, 4983-5	- Wulong Gang	20 00-43 N 110 48-03 E	Iso W 4s	12	8	White 4-sided metal framework tower, red bands 9	
P3348-3 CN, G103, 4982	- Baohu Jiao (Ching-hsin Chiao)	20 00-13 N 110 56-00 E	Fl W 6s	54	18	White concrete tower 26	<i>fl 1</i>
	--	..	Racon	..	..	..	ALRS Vol 2 Station 80970
P3348-32 CN, G103, 4983	- Baohu Gang	19 59-42 N 110 51-40 E	Fl W 4s	15	6	White square stone tower 9	<i>fl 0-5</i>
P3348-35 CN, G103, 4982-1	QIZHOU LIEDAO - Beishi (Beishi Dao)	19 58-91 N 111 16-19 E	Iso W 2s	181	15	White 6-sided concrete tower, red bands 7	
	--	..	Racon	..	..	..	ALRS Vol 2 Station 80980
P3348-37 CN, G103, 4982-104	- Pingshi	19 57-63 N 111 14-97 E	Fl(3)W 8s	29	8	White metal framework beacon 9	
P3348-38 CN, G103, 4982-11	- Nanshi	19 54-39 N 111 11-96 E	Fl(2)W 4s	55	10	White round metal column 9	<i>fl 0-5, ec 1, fl 0-5, ec 2</i>
P3348-4 CN, G103, 5045	Tonggu Zui (Tung-ku Tsui)	19 38-37 N 111 02-17 E	Fl(2)W 8s	140	18	6-sided round concrete tower 10	<i>fl 0-3</i>
	-	..	Racon	..	..	..	ALRS Vol 2 Station 80990
P3348-43 CN, G103, 5046	Qinglan Gangkou	19 31-88 N 110 50-73 E	Fl(2)W 10s	26	15	White round stone tower 19	<i>fl 1, ec 1, fl 1, ec 7</i>
P3348-44 CN, G103, 5057-08	Fengjia Wan	19 24-35 N 110 44-06 E	Fl W 3s	11	10	White metal column 9	<i>fl 0-5</i>
P3348-46 CN, G103, 5061-5	Bo'ao (Po-ao Chiang)	19 10-07 N 110 35-21 E	Fl(3)W 24s	81	22	White concrete column 75	<i>(fl 0-3, ec 3-7) x 2, fl 0-3, ec 15-7</i>
	-	..	Racon	..	..	..	ALRS Vol 2 Station 81005
P3348-462 CN, G103, 5062	Bo'ao Gang	19 09-35 N 110 34-80 E	Fl W 4s	9	6	White round stone tower 8	<i>fl 0-4</i>
P3348-465 CN, G103, 5059	Qingge Gang. Breakwater. Head	19 18-69 N 110 40-28 E	Fl(2)G 6s	..	2	White stone column 4	<i>fl 0-5, ec 1, fl 0-5, ec 4</i>
P3348-47 CN, G103, 5057-1	Pai Ling	19 19-07 N 110 39-68 E	Fl W 6s	..	4	Stone cairn 8	<i>fl 0-5</i>
P3348-472 CN, G103, 5059-8	Longwan Gang	19 17-36 N 110 38-69 E	FR	12	6	White metal post 10	
P3348-475 CN, G103, 5060	Tanmen Gang. Breakwater. Head	19 13-74 N 110 37-79 E	Fl(2)R 6s	..	2	White concrete column 10	<i>fl 0-5, ec 1, fl 0-5, ec 4</i>
P3348-48 CN, G103, 5063	Gangbei Gang	18 53-00 N 110 31-11 E	Fl W 4s	30	4	Square stone masonry pile 6	<i>fl 0-5</i>
P3348-5 CN, G103, 5064	Bai'an Dao (Kuan-ts'ai -ling)	18 48-64 N 110 34-13 E	Fl(2)W 15s	81	18	White 4-sided concrete tower, red stripes on each corner 12	<i>fl 0-3, ec 4-7, fl 0-3, ec 9-7</i>
	-	..	Racon	..	..	..	ALRS Vol 2 Station 81010
P3348-55 CN, G103, 5064-5	Ganzhe Dao	18 45-62 N 110 30-12 E	Fl(3)W 10s	18	10	Black metal framework tower, white band 9	<i>(fl 0-5, ec 1-5) x 2, fl 0-5, ec 5-5</i>

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					m	M		
P3348-6 CN, G103, 5065	Dazhou Dao (Ta-chou Tao)	18 39-69 N 110 29-01 E	Fl W 5s	175	15	White round concrete tower 12	<i>fl 0-3</i>	
			Racon	..	..	..	ALRS Vol 2 Station 81020	
P3348-605 CN, G103, 5065-001	Zhouzi Dao	18 38-41 N 110 21-54 E	Fl(2)W 6s	60	10	Black metal framework tower, white band 9	<i>fl 0-5, ec 1-5, fl 0-5, ec 3-5</i>	
P3348-61 CN, G103, 5065-0052	Jiajing Dao. (Chia-ching Tao). Huarun Yacht Pier No 2	18 39-00 N 110 14-90 E	Fl R 4s	16	10	Red metal column 10		
P3348-62 CN, G103, 5065-0051	-- Huarun Yacht Pier No 1	18 38-93 N 110 14-86 E	Fl G 4s	16	10	Green metal column 10		
P3348-64 CN, G103, 5065-08	Fenjie Zhou	18 34-90 N 110 11-67 E	Fl W 3s	16	10	White concrete tower 12		
P3348-65 CN, G103, 5065-01	Niuling. Tourist Pier	18 35-28 N 110 10-74 E	Iso R 2s	10	10	Red metal column 9		
P3348-7 CN, G103, 5065-1	Li'an Gang	18 24-35 N 110 03-99 E	Fl W 6s	..	8	..	Fishing	
P3348-8 CN, G103, 5066	Lingshui Jiao	18 23-29 N 110 02-90 E	Fl(3)W 20s	150	18	White 8-sided concrete tower 10	<i>(fl 0-5, ec 3) x 2, fl 0-5, ec 12-5</i>	
			Racon	..	..	..	ALRS Vol 2 Station 81030	
P3348-9 CN, G103, 5067	Houhailing	18 16-40 N 109 44-06 E	Fl W 3s	95	18	White round concrete tower 12		
P3348-92 CN, G103, 5067-01	Houhai. Breakwater	18 16-74 N 109 43-53 E	Iso R 2s	12	10	Red metal column 11		
P3348-93 CN, G103, 5072	Dongzhou Dao	18 11-09 N 109 41-80 E	Fl W 5s	123	18	White concrete column 13	<i>fl 0-3</i>	
P3348-96 CN, G103, 5073	Yezhu Dao	18 12-90 N 109 39-70 E	Fl(2)W 6s	97	6	White stone column 4	<i>fl 0-3, ec 1, fl 0-3, ec 4-4</i>	
P3348-97 CN, G103, 5073-41	Sanya Ruiji Hotel Marina. No 1	18 12-80 N 109 36-90 E	Fl R 4s	18	8	White round column 17		
P3348-975 CN, G103, 5073-42	- No 2	18 12-80 N 109 36-80 E	Fl G 4s	7	4	White tower 5		
P3348-98 CN, G103, 5072-1	Yalong Wan	18 10-62 N 109 41-32 E	Fl(5)Y 20s	..	3	..	Wave gauge	
P3349 CN, G103, 5074	Jinmu Jiao (Chin-mu Chiao)	18 09-62 N 109 34-41 E	Fl W 10s	72	22	White round concrete tower 18	<i>fl 0-2</i>	
	- Reserve light	..	Fl W 10s	..	15	..		
			Racon	..	..	..	ALRS Vol 2 Station 81040	
P3350 CN, G103, 5100	Ximao Zhou	18 13-81 N 109 22-13 E	Fl W 3s	137	18	White concrete pile 14	<i>fl 0-3</i>	
P3350-2 CN, G103, 5100-01	- Matou	18 14-47 N 109 22-41 E	Fl(2)G 5s	12	10	White metal column, red bands 11	<i>fl 0-5, ec 1, fl 0-5, ec 3</i>	
P3350-3 CN, G103, 5100-1	Hongtang Gang. Ldg Lts. Front	18 17-97 N 109 15-82 E	Fl R 4s	28	5	△ on white metal tower 12		
P3350-31 CN, G103, 5100-2	-- Rear	18 18-12 N 109 15-70 E	F R	42	5	▽ on white metal tower 20		
P3350-4 CN, G103, 5100-9	Yazhou Wan E Side. Meinu Shi	18 18-10 N 109 08-86 E	Fl(2)W 6s	35	15	White concrete column 34		

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					m	M		
P3350-5 CN, G103, 5088	Sanya Gang. Bai Pai	18 14-25 N 109 28-90 E	Fl W 3s	16	10	White round concrete structure 11	<i>fl 0-3</i>	
P3350-55 CN, G103, 5088-4	- Sanya International Passenger Pier. No LB1	18 14-30 N 109 29-20 E	Iso R 2s	11	5	Red 4-sided metal framework tower, white band 11		
P3350-57 CN, G103, 5088-7	-- No LB2	18 14-40 N 109 29-40 E	LF1 R 5s	11	5	White 4-sided metal framework tower, red band 11	<i>fl 2</i>	
P3350-6 CN, G103, 5094-3	- Haijing Ldg Lts 108°15'. Front	18 13-96 N 109 29-46 E	Iso R 2s	6	..	△ on red and white metal framework structure		
P3350-61 CN, G103, 5094-4	-- Rear	18 13-94 N 109 29-53 E	F R	8	..	▽ on red and white metal framework structure		
P3350-7 CN, G103, 5099	- Inner Harbour	18 13-84 N 109 30-27 E	Fl(2)G 6s	9	1-8	Green △ on green concrete column 8	<i>fl 0-5, ec 1, fl 0-5, ec 4</i>	
P3351 CN, G103, 5089	- Ldg Lts 071°30'. Front	18 14-29 N 109 29-91 E	F R	26	6	Red △ on 8-sided concrete tower, black stripe 18		
P3351-1 CN, G103, 5090	-- Rear. 290m from front	18 14-33 N 109 30-01 E	F R	33	6	Red ▽ on white metal tower 29		
P3351-3 CN, G103, 5087-51	- Luhuitou Wan. Fanchuan Gang. No 1	18 12-96 N 109 28-71 E	Q W	21	5	White round concrete tower, red bands 18		
P3351-4 CN, G103, 5087-52	--- No 2	18 12-92 N 109 28-77 E	Iso R 2s	5	1	White metal post, red bands 1		
P3351-5 CN, G103, 5087-53	--- No 3	18 12-92 N 109 28-69 E	Iso R 4s	4	0-5	Red metal post 1		
P3352	Sanya Jiao	18 12-54 N 109 28-26 E	Fl(8)W 9s	16	10			
P3353 CN, G103, 5075	Yü lin Chiang. Yülin Jiao	18 12-40 N 109 32-20 E	Fl(2)W 6s	101	12	White stone tower 9		
P3354 CN, G103, 5076	- Liudao Jiao	18 12-70 N 109 33-40 E	Fl W 4s	42	8	White metal spar 8		
P3356 CN, G103, 5102	Xigu Dao (Hsi-ku Tao)	18 19-34 N 108 57-17 E	Fl W 6s	89	18	White round masonry tower 15	<i>fl 0-3</i>	
			Racon	ALRS Vol 2 Station 81050	

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P3356-8 CN, G103, 5103-5	Yuedong Pipeline. Lts in line 009-26°. Front	18 29-38 N 108 45-86 E	Mo(C)Y 12s	16	8	White 3-sided framework tower, red bands 10		
P3356-81 CN, G103, 5103-51	-- Rear	18 29-58 N 108 45-89 E	Mo(C)Y 12s	33	8	White 3-sided framework tower, red bands 32		
P3357 CN, G103, 5104	Yingge Zui (Ying-ko Tsui)	18 30-40 N 108 41-33 E	Fl 10s	40	22	White round concrete tower 27	<i>fl 0-5, ec 9-5</i>	
			Racon	..	..	..	ALRS Vol 2 Station 81070	
P3357-2 CN, G103, 5105	Gongxia Shi	18 31-01 N 108 40-70 E	Fl W 4s	9	6	White round concrete tower 10	<i>fl 0-5</i>	

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P3357-4 CN, G103, 5107-1	Guodiandongfang. Offshore Wind Tower. No 1. Warning	18 47-03 N 108 30-53 E	Mo(C)Y 12s	m 16	M 8	3-sided metal framework tower	
P3357-5 CN, G103, 5107	Gan'en Jiao (Kan-en Chiao)	18 50-53 N 108 38-25 E	Fl W 6s	47	18	Round concrete tower, red and white chequered bands 42	<i>fl 0-5</i>
			Racon	ALRS Vol 2 Station 81080

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P3357-7 CN, G103, 4806-4	LEIZHOU BANDAO. LEIZHOU WAN - Liuji Dao	20 35-52 N 110 25-05 E	Fl W 4s	..	3	White concrete column 7	
P3357-73 CN, G103, 4806-6	- Jinhe	20 34-97 N 110 25-38 E	Fl(2)W 6s	..	3	7	
P3357-75 CN, G103, 4801	- Xinliao Dao. Houhai	20 38-53 N 110 27-95 E	Q W	16	4	4-sided framework tower 12	
P3357-78 CN, G103, 4802	- - Xialiaozi	20 37-76 N 110 28-73 E	Q W	7	4	Red and white metal structure 5	
P3357-79 CN, G103, 4807-1	- - Yangqian Pier. Head	20 34-84 N 110 27-64 E	Q W	9	4	White metal post 7	
P3357-8 CN, G103, 4807	- Wailuo Gang. Jiaotu Shi	20 34-73 N 110 28-46 E	Fl(2)W 5s	9	6	Black 8 on black beacon, red band 8	<i>fl 0-5, ec 1, fl 0-5, ec 3</i>
P3357-82 CN, G103, 4808	- Baimaotang	20 33-66 N 110 29-37 E	Q W	3	4	White stone tower 11	
P3357-85 CN, G103, 4811	- Xiagang	20 30-31 N 110 30-78 E	Q W	20	4	4-sided framework tower 12	
P3357-88 CN, G102, 4814	- Chelu Men	20 29-06 N 110 31-66 E	Q W	16	4	4-sided framework tower 12	
P3357-9 CN, G103, 4812	- Da Pai	20 29-54 N 110 32-56 E	Fl W 6s	9	5	White brick tower 6	<i>fl 0-5. TE 2015</i>
P3357-96 CN, G102, 4816	LEIZHOU BANDAO. QIONGZHOU HAIKIA - Dengzhai	20 26-99 N 110 31-40 E	Q W	4	4	White stone tower 6	
P3358 CN, G103, 4818	- Shangouhou	20 25-64 N 110 31-00 E	Fl(2)W 6s	21	15	White round brick tower 6	
P3358-3 CN, G103, 4818-2	- Nan'an Wan	20 24-05 N 110 28-93 E	Fl W 3s	6	4	Red pile 4	
P3358-4 CN, G103, 4818-3	- Yanjing Jiao	20 21-84 N 110 28-09 E	Fl W 3s	5	4	Red pile 4	
P3358-5 CN, G103, 4818-1	- Luodou Sha	20 21-89 N 110 34-79 E	Fl W 4s	43	20	White round concrete tower 42	
			Racon	..	..	..	ALRS Vol 2 Station 81150
P3358-7 CN, G103, 4800	LEIZHOU BANDAO - Beili Dao	20 41-45 N 110 23-94 E	Fl W 4s	..	..	..	<i>fl 0-5</i>
P3358-8 CN, G103, 4800-1	- Dongsong Dao	20 40-00 N 110 22-23 E	Fl(2)W 6s	..	..	..	<i>fl 0-5, ec 1, fl 0-5, ec 4</i>
P3359 CN, G103, 4700	LEIZHOU BANDAO. NAOZHOU DAO - Summit	20 54-07 N 110 36-40 E	Fl W 5s	103	26	White round masonry tower 19	<i>fl 0-3</i>

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P3359-2 CN, G103, 4700-03	- Nayancun	20 53-27 N 110 36-95 E	Q W	m 21	M 4	Metal post 3	
P3359-24 CN, G103, 4702-01	- Naozhou Nangang. Cunliang	20 52-17 N 110 36-08 E	Q W	12	4	Red round column 9	
P3359-26 CN, G103, 4702-02	- Jialticun	20 52-03 N 110 35-61 E	Q W	8	4	Metal post 3	
P3359-27 CN, G103, 4702-03	- Naozhou Nangang. Xibu	20 51-95 N 110 35-08 E	Q W	8	4	Metal post 3	
P3359-28 CN, G103, 4702-04	- - Dedou	20 52-13 N 110 34-41 E	Q W	8	4	Metal post 3	
P3359-3 CN, G103, 4702-05	- Nanjiaowei	20 52-32 N 110 33-69 E	Q W	13	4	White stone tower 9	
P3359-5 CN, G103, 4702-1	- Naozhou Nangang. Breakwater. Head	20 53-16 N 110 33-28 E	Fl(2)G 6s	9	4	Green concrete column	
P3359-58 CN, G103, 4702-11	- Zengpeng Cun	20 54-50 N 110 33-12 E	Fl(2)R 6s	2	4	Red metal post 3	
P3359-62 CN, G103, 4702-12	- Yanting Cun. No 1	20 55-39 N 110 34-16 E	Q G	4	4	Green metal post 4	
P3359-63 CN, G103, 4702-13	- - No 2	20 55-35 N 110 34-37 E	Q R	4	4	Red metal post 4	
P3359-65 CN, G103, 4702-14	- Gangtou SW. Xundi Zai	20 55-98 N 110 34-56 E	Fl W 5s	6	4	Red metal post 6	
P3359-69 CN, G103, 4705-206	- Beigang. Breakwater. Head. No 2	20 56-44 N 110 34-96 E	Q G	5	4	Green metal pillar 4	
P3359-7 CN, G103, 4705-205	- - - - No 1	20 56-52 N 110 34-99 E	Q R	5	4	Red metal pillar 4	
P3359-9 CN, G102, 4707	- Leigong Ling	20 56-94 N 110 35-46 E	Q W	12	4	White stone tower 8	
P3359-95 CN, G103, 4707-2	- Dalangcun	20 56-75 N 110 36-10 E	Q W	7	4	Metal post 3	
P3359-98 CN, G103, 4707-3	- Yanlou Cun	20 56-57 N 110 36-85 E	Q R	5	4	White metal column, red band 5	
P3359-99 CN, G103, 4707-4	- Doulong Cun	20 56-41 N 110 37-60 E	Fl W 3s	4	4	Red metal post 4	
P3360 CN, G103, 4709	- Zhanjiang Gang. Doulong Cun. Ldg Lts 270°. Front	20 56-17 N 110 37-81 E	F W	26	14	White 4-sided pyramidal brick tower 7	
	- - - - 200m NE	..	Siren Racon	..	..	..	ALRS Vol 2 Station 81190
P3360-1 CN, G103, 4708	- - - - Rear. 200m from front	20 56-17 N 110 37-68 E	Iso W 6s	40	14	Round stone pile, black and white chequered bands 26	
P3360-4 CN, G103, 4709-1	- - - S Ldg Lts 166°57'. Front	20 56-33 N 110 37-76 E	Oe W 4s	15	8	White round concrete tower, black band 13	
P3360-41 CN, G103, 4710	- - - - Rear. 0.95M from front	20 55-41 N 110 37-99 E	Q W	40	8	6-sided pyramidal stone tower, black and white stripes 17	
P3360-415 CN, G103, 4700-025	- Tangjing Leishi	20 55-52 N 110 38-25 E	Q R	-4	4	White metal column, red bands 4	
P3360-42 CN, G103, 4700-02	- Tanjingcun	20 55-54 N 110 38-07 E	Q W	9	4	Metal post 3	

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LEIZHOU BANDAO. LEIZHOU WAN				m	M		
P3360-6 CN, G103, 4797	- Leizhou Gang. Shuangxi S 20 50-80 N 110 12-14 E	FI(2)W 6s	7	6	Round white concrete tower 8		
P3360-8 CN, G103, 4790	- Lanshi Jiao 20 51-51 N 110 19-53 E	FI(2)R 6s	..	2	□ on red beacon 10	<i>fl 0-5, ec 1, fl 0-5, ec 4</i>	
LEIZHOU BANDAO. ZHANJIANG GANG							
P3361 CN, G103, 4711	- ZHANJIANG GANG Lt V 20 55-99 N 110 40-38 E	FI W 6s	11	10	Red hull marked ZCHANJIANG GANG DENGCHAUN on sides	<i>fl 0-5</i>	
--	..	Racon	..	..	..	ALRS Vol 2 Station 81170	
P3368 CN, G103, 4717	- Donghai Dao. Longshui Ling. Ldg Lts 303°46'. Front 21 01-13 N 110 32-23 E	F W	21	14	White 6-sided pyramidal stone tower 11		
P3368-1 CN, G103, 4718	--- Rear. 0-6M from front 21 01-44 N 110 31-74 E	FI(2)W 4s	58	10	White 6-sided pyramidal stone tower 11		
P3368-2 CN, G103, 4718-3	-- Hou Wan 20 58-65 N 110 31-57 E	FI W 3s	9	4	Red metal post 6		
P3368-5 CN, G103, 4718-5	-- SE. Ferry 20 55-44 N 110 30-90 E	Q W	11	4	Red metal column 8		
P3368-6 CN, G103, 4718-4	-- Dongnan 20 55-44 N 110 30-99 E	FI W 4s	..	4	White metal pile 7		
P3368-81 CN, G103, 4719-2	-- Houhainan Cun 21 02-13 N 110 32-72 E	FI W 5s	10	4	White metal column, red bands 8		
P3368-82 CN, G103, 4719-21	-- Houhaibei Cun 21 02-23 N 110 32-73 E	Q W	10	4	Red metal column 8		
P3370 CN, G103, 4684-5	- Lijian Men 21 13-94 N 110 38-08 E	FI(3)W 10s	..	8	White column 20	<i>(fl 0-5, ec 1) x 2, fl 0-5, ec 6-5</i>	
P3370-5 CN, G103, 4686-2	- Nansan Shuidao. Qiantang. No 1 21 13-08 N 110 36-46 E	FI(2)R 6s	4	3	Red □ on red metal beacon 5		
P3370-6 CN, G103, 4686-3	--- No 2 21 13-44 N 110 36-32 E	FI(3)R 10s	4	3	Red □ on red metal beacon 5		
P3370-7 CN, G103, 4686-4	-- Beitouliao Matou 21 11-90 N 110 35-98 E	FI W 4s	5	3	Red metal beacon 5		
P3372-1 CN, G103, 4720-2	- Longteng Hangdao. (Bentang Jiao). Dir Lt 276°50' 21 03-48 N 110 33-05 E	Iso WRG 4s	42	15	.. 44	G274-65°-276-1°(1-45°), W276-1°-277-55°(1-45°), R277-55°-279°(1-45°)	
----	..	Racon	..	..	..	ALRS Vol 2 Station 81182	
P3374 CN, G103, 4721	- Ldg Lts 325°06'. Front 21 05-78 N 110 33-73 E	Iso W 6s	20	7	White 6-sided pyramidal stone tower, black bands 16		
P3374-1 CN, G103, 4722	-- Rear. 0-6M from front 21 06-27 N 110 33-36 E	F W	32	10	White 6-sided pyramidal stone tower, black bands 13		
P3375 CN, G103, 4698-41	- DONGHAI DAO Lt V 21 03-67 N 110 35-08 E	FI(2)W 10s	10	10	Red hull	<i>fl 0-5, ec 1, fl 0-5, ec 8</i>	
--	..	Racon	..	..	..	ALRS Vol 2 Station 81180	
--	..	AIS	..	..	..	MMSI No 999413031	
P3378 CN, G103, 4723	- Ldg Lts 076°47'. Front 21 05-52 N 110 32-55 E	Iso R 4s	22	7	Concrete structure 23	TE 2013	

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LEIZHOU BANDAO. ZHANJIANG GANG — Ldg Lts 076°47' - (contd)				m	M		
P3378-1 CN, G103, 4724	-- Rear. 800m from front 21 05-62 N 110 33-00 E	F R	31	7	Concrete structure 32		
P3378-19 CN, G103, 4725-05	- Nansan Dao. Dengta Cun. No 1 21 06-13 N 110 31-59 E	Q R	5	4	White metal column, red bands 4		
P3378-2 CN, G103, 4725-06	--- No 2 21 06-17 N 110 31-76 E	FI W 3s	5	4	Red metal post 4		
P3378-3 CN, G103, 4725-065	-- Laoliang Cun 21 06-87 N 110 31-35 E	Q W	6	4	White metal column, red bands 5		
P3378-4 CN, G103, 4720-502	-- Nanliu Cun 21 08-31 N 110 35-30 E	FI W 5s	7	4	White metal column, red bands 4		
P3378-5 CN, G103, 4720-501	-- Pulutang Cun 21 10-20 N 110 36-15 E	FI W 3s	6	4	White metal column, red bands 4		
P3379 CN, G103, 4742	- Shitou Jiao. Ldg Lts 322°16'. Front 21 09-45 N 110 23-61 E	Iso R 6s	24	7	Blue △ on white concrete column 29	Sync with P3379-1	
P3379-1 CN, G103, 4743	--- Rear. 540m from front 21 09-69 N 110 23-41 E	Iso R 6s	35	7	Blue ∇ on white concrete column 42	Sync with P3379	
P3379-92 CN, G103, 4728-8	- Donghai Dao. Bulk Cargo Pier. No 2 21 04-00 N 110 28-97 E	F R	10	5	White metal column, red bands 7		
P3381 CN, G103, 4738	- Dougtoushan Dao. Ldg Lts 177°40'. Front 21 06-75 N 110 24-77 E	F R	37	7	Red △ on red post, on white concrete column 37		
P3381-1 CN, G103, 4739	--- Rear. 250m from front 21 06-60 N 110 24-77 E	F R	43	7	Red ∇ on red post, on white concrete column 42		
P3381-11 CN, G103, 4739-05	- Dongtoushan Dao. Shawei 21 06-20 N 110 23-43 E	Q W	6	4	Red metal pile 4		
P3381-12 CN, G103, 4739-04	-- Bifengtang 21 06-18 N 110 23-91 E	Q W	8	4	Red metal pile 4		
P3381-13 CN, G103, 4739-03	-- Pier 21 06-14 N 110 24-09 E	Q W	12	4	Red metal pile 8		
P3381-18 CN, G103, 4736-22	- Dongcan. Ferry 21 05-66 N 110 23-80 E	Q W	12	4	Red metal column 8		
P3381-185 CN, G103, 4736-21	- Xiashan Bulk. No 1 21 08-24 N 110 24-32 E	FI W 3s	12	5	White metal column, red bands 3		
P3381-188 CN, G103, 4736-22	-- No 2 21 08-48 N 110 24-32 E	FI W 5s	16	5	White metal column, red bands 1		
P3381-19 CN, G103, 4745-11	- New Oil Pier 21 08-87 N 110 24-44 E	FI G 2s	15	5	GRP column 10		
P3381-2 CN, G103, 4745-2	- Oil Pier. No 1 21 09-14 N 110 24-38 E	F R	4	4	White metal structure 1		
P3381-23 CN, G103, 4745-3	-- No 2 21 09-26 N 110 24-41 E	LFI W 6s	18	6	White metal structure 1		
P3381-25 CN, G103, 4745-4	-- No 3 21 09-40 N 110 24-41 E	F R	4	4	White metal structure 1		
P3381-55 CN, G103, 4744-5	- No 205. Pier 21 09-28 N 110 24-17 E	Q R	16	4	White GRP column, red bands 10		

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LEIZHOU BANDAO. ZHANJIANG GANG - (contd)

				m	M			
P3381-65 CN, G103, 4751-1	- Techeng Dao. Ferry	21 09-88 N 110 25-78 E	Q W	9	4	Red round metal column 8		
P3381-651 CN, G103, 4751-11	-- Bifengtang. No 1	21 09-86 N 110 25-83 E	Fl(2)G 6s	9	4	Green metal column 7		
P3381-652 CN, G103, 4751-12	--- No 2	21 09-86 N 110 25-85 E	Fl(2)R 6s	9	4	Red round column 7		
P3381-68 CN, G103, 4751-65	- Nansan Dao. Beiyatou Cun	21 10-19 N 110 26-12 E	Fl W 3s	7	4	Red metal post 4		
P3381-7 CN, G103, 4747-14	- LB 3	21 09-73 N 110 24-49 E	Q R	13	4	Red beacon 7		
P3381-8 CN, G103, 4747-13	- LB 2	21 09-82 N 110 24-43 E	Q G	13	4	Green beacon 7		
P3381-9 CN, G103, 4747-12	- Iron Ore Pier. LB1	21 10-02 N 110 24-46 E	Q R	12	4	Red metal pile beacon 7		
P3381-95 CN, G103, 4697-5	- Nansan Matou	21 11-16 N 110 26-53 E	Fl W 4s	..	3	Red metal column 8		
P3382 CN, G103, 4760	- Maxie. Ldg Lts 023°10'. Front	21 11-83 N 110 25-68 E	F R	17	5	□ on white truncated pyramidal masonry tower 13		
P3382-1 CN, G103, 4761	--- Rear. 160m from front	21 11-92 N 110 25-72 E	F R	23	5	□ on white truncated pyramidal masonry tower 18		
P3382-15 CN, G103, 4759-5	-- Ferry	21 11-88 N 110 25-59 E	Q W	10	4	Red metal column 8		
P3382-16 CN, G103, 4759-4	- Xiashan. Seashore Pier	21 11-84 N 110 24-91 E	Q W	15	4	Red and white metal column 11		
P3382-3 CN, G103, 4763	- Moyanlou. Ldg Lts 030°17'. Front	21 14-32 N 110 26-80 E	F G	35	5	∩ on white round column 30		
P3382-31 CN, G103, 4764	--- Rear. 380m from front	21 14-50 N 110 26-91 E	F G	42	5	∩ on white round column 38		
P3382-32 CN, G103, 4765-011	- Navy Pier. S	21 14-41 N 110 25-21 E	F R	9	4	White column, red bands 6		
P3382-33 CN, G103, 4765-012	-- N	21 14-49 N 110 25-15 E	F R	9	4	White column, red bands 6		
P3382-362 CN, G103, 4765-031 CN, G103, 4765-033 CN, G103, 4765-035	- Haiwan. Bridge No 3. Centre ---- ---- No 1 ---- No 5	21 15-10 N 110 25-09 E	Iso W 4s Racon Fl(2)R 6s Fl(3)G 10s	.. .. ..	3-8 .. 4 3-8	Red O white stripes .. Red □ Green △	Marks best passing point ALRS Vol 2 Station 81195	
P3382-4 CN, G103, 4767	- Xiashan. Ldg Lts 199°47'. Front	21 15-07 N 110 24-40 E	F R	26	7	White column, black stripe 23	TE 2013	
P3382-41 CN, G103, 4768	--- Rear. 240m from front	21 14-95 N 110 24-35 E	F G	34	7	White column, black stripe 30	TE 2013	
P3382-421 CN, G103, 4769	- Diaoshun Dao. Ldg Lts 322°31'. Front	21 16-77 N 110 23-71 E	Iso R 4s	16	6	White 4-sided stone tower, black stripe 13		

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LEIZHOU BANDAO. ZHANJIANG GANG — Diaoshun Dao. Ldg Lts 322°31' - (contd)

				m	M			
P3382-422 CN, G103, 4770	--- Rear. 280m from front	21 16-89 N 110 23-61 E	Iso R 4s	25	6	White 4-sided stone tower, black stripe 23		
P3382-425 CN, G103, 4776-1	-- Pier Basin. Ldg Lts 336°36'. Front	21 16-72 N 110 24-10 E	F G	14	3	White conical brick pile	Fishing. Occas	
P3382-426 CN, G103, 4776-11	--- Rear. 440m from front	21 16-94 N 110 24-00 E	F G	19	3	White conical brick pile	Fishing. Occas	
P3382-432 CN, G103, 4782	- Jialong. S	21 19-72 N 110 24-42 E	Fl(2)W 6s	9	6	White round pile 11		
P3382-434 CN, G103, 4783	-- N	21 20-33 N 110 24-46 E	Fl R 3s	8	3	White round pile 10		
P3382-44 CN, G103, 4783-01	- Jialong Pier	21 20-85 N 110 24-30 E	Fl W 4s	11	4	White round pile 7		
P3382-5 CN, G103, 4756-1	- Marine Repair Yard. Ldg Lts 324°10'. Front	21 11-10 N 110 24-61 E	F W	14	6	Grey concrete pole 3		
P3382-51 CN, G103, 4756-11	--- Rear	21 11-13 N 110 24-58 E	F W	17	6	Lamp casing on roof		
P3383 CN, G103, 4755	- Zhanjiang. Ldg Lts 344°57'. Front	21 11-06 N 110 24-44 E	F G	19	5	Black △, on metal framework tower 25		
P3383-1 CN, G103, 4756	--- Rear. 140m from front	21 11-13 N 110 24-42 E	F G	23	5	Black ▽, on metal framework tower 27		
P3383-5 CN, G103, 4754-985	- Beigangchi. Entrance	21 10-46 N 110 24-57 E	Iso R 4s	11	5	White metal column, red bands 7		
P3383-6 CN, G103, 4754-986	-- Pier No 102	21 10-82 N 110 24-37 E	Iso R 6s	9	5	White metal column, red bands 5		
P3384-1 CN, G103, 4751-901	- Petrification Pier. Turning area Lts in line. No 1. Front	21 10-39 N 110 24-53 E	Fl R 3s	57	3	Red metal post 3		
P3384-11 CN, G103, 4751-902	--- No 2. Rear	21 10-40 N 110 24-51 E	Fl R 3s	60	3	Red metal post 12		
P3385 CN, G103, 4747-1	- Iron Ore Pier. Ldg Lts 290°41'. Front	21 10-09 N 110 24-15 E	F R	28	7	25		
P3385-1 CN, G103, 4747-11	--- Rear	21 10-09 N 110 24-15 E	F R	32	7	30		
LEIZHOU BANDAO TO YAMEN WAIKOU								
P3401-5 CN, G103, 4675-5	- Wuyangjin Coast	21 20-55 N 110 42-28 E	Fl(2)W 6s	16	5	White concrete pillar 15		
P3402 CN, G103, 4675-4	- Bomao. Breakwater	21 23-64 N 110 47-85 E	Fl(2)G 6s	..	3	Green metal column 7		
P3403 CN, G103, 4675	--	21 24-49 N 110 48-03 E	Fl W 4s	..	6	White concrete spar 8	fl 0-5	
P3403-15 CN, G103, 4674-7	- Jizhao	21 23-15 N 110 51-80 E	Q W	23	5	White concrete column 20		
LEIZHOU BANDAO TO YAMEN WAIKOU. SHUIDONG GANG								
P3403-2 CN, G103, 4674-4	- Niaoishishi	21 24-42 N 110 56-71 E	Fl W 4s	7	..	Red 4-sided GRP tower 6		
P3403-25 CN, G103, 4674-37	- Wangcungang. Haishapo	21 25-08 N 110 57-38 E	Fl(2)W 6s	14	5	White concrete column 10		
P3403-28 CN, G103, 4674-32	- Aoneihai	21 25-72 N 110 58-67 E	Fl W 4s	11	4	White round stone tower 10		

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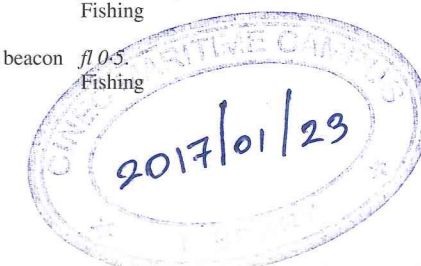
LEIZHOU BANDAO TO YAMEN WAIKOU, SHUIDONG GANG - (contd)

P3403-3	- Aonei	21 25-79 N 110 59-06 E	Q W	6	4	Metal pile 3			
P3403-4	- Yanjingling	21 25-54 N 110 59-50 E	Fl(3)W 10s	111	6	White masonry column 7			
P3403-5	- Shuidong Gangqu. Ldg Lts 348°. Front	21 27-68 N 111 06-16 E	Iso W 4s	..	7	White cairn column, black bands 3			
P3403-51	- - - Rear. 0-55M from front	21 28-22 N 111 06-03 E	Fl(2)W 4s	..	7	White cairn column, black bands 9			
P3403-6	- -	21 29-29 N 111 04-20 E	Fl W 4s	11	4	White round concrete pillar 10	fl 0-5		
P3403-8	- - No 10	21 29-71 N 111 00-90 E	Fl(2)G 6s	6	..	Green Δ on green beacon			
P3403-9	- - Yixi Dock	21 28-27 N 111 04-91 E	Q(9)W 15s	8	..	Yellow metal framework			
P3404	- Dafangji Dao	21 23-09 N 111 11-13 E	Fl W 6s	139	18	Red round concrete tower 13	fl 0-5		
	- -	..	Racon	..	..	..	ALRS Vol 2 Station 81200		
P3404-04	- - Dafangji Pier. W	21 23-46 N 111 11-11 E	Fl G 4s	6	3	Green metal pile 5			
P3404-05	- - - E	21 23-48 N 111 11-16 E	Fl R 4s	6	3	Red metal pile 5			
P3404-06	- Longtou Shan. No 1	21 28-12 N 111 07-79 E	Q R	9	4	Red metal pile 8			
P3404-07	- - No 2	21 28-06 N 111 09-30 E	Q R	9	4	Red metal pile 8			
LEIZHOU BANDAO TO YAMEN WAIKOU									
P3404-08	- Bohe. Bohe Cun	21 28-90 N 111 12-16 E	Fl W 3s	8	4	Red post 8			
P3404-1	- Diancheng. Bohe Gang	21 28-82 N 111 14-00 E	Q W	19	4	Red & white 8-sided concrete column 16			
P3404-15	- - Xingpin Shan Ferry	21 29-82 N 111 14-24 E	Fl W 4s	7	3	Red metal pile 7			
P3404-18	- Liantou	21 25-65 N 111 15-20 E	Q W	6	4	Metal pile 3			
P3404-2	- Baidan Shi	21 24-52 N 111 14-91 E	Fl W 4s	17	3	White round masonry tower 8	fl 0-5		
P3404-3	- Xi'ao Jiao	21 24-65 N 111 17-17 E	Fl(2)W 5s	6	3	⊗ on black square metal tower, red band 7	Isolated danger mark		
P3404-4	- Dazhuzhou	21 26-33 N 111 22-36 E	Fl(3)W 10s	101	9-8	Red concrete column 15			
P3404-5	- Shui Dong. SBM	21 20-87 N 111 24-61 E	Fl Y 3s	..	..	Superbuoy			
	- - -	..	Horn	..	..	..	ALRS Vol 2 Station 81210		
	- - -	..	Racon	..	..	..
P3404-51	- Shabei Cun. No 2	21 30-04 N 111 22-11 E	Q R	8	4	White metal column, red bands 8			
P3404-515	- - No 1	21 30-30 N 111 22-50 E	Fl W 3s	8	4	Red post 8			

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LEIZHOU BANDAO TO YAMEN WAIKOU - (contd)

P3404-52	- Shaweicun. No 2	21 30-66 N 111 23-22 E	Fl R 5s	10	4	Red pile 8			
P3404-53	- - No 1	21 30-73 N 111 23-40 E	Fl R 3s	10	4	Red pile 8			
P3404-55	- Jida Gang. Shijiao Zui	21 31-59 N 111 24-93 E	Fl W 3s	22	4	White brick tower 20	fl 0-3		
P3404-56	- - Xixianwei	21 31-50 N 111 25-20 E	Fl G 4s	9	3	Green Δ on green metal post 7			
P3404-6	- W of Hailingshan Gang. Qing Zhou	21 28-91 N 111 27-95 E	Fl(2)W 10s	116	7	White metal pole 4	fl 0-5. Fishing		
P3404-65	- Niubikong Dao	21 29-55 N 111 28-19 E	Fl(3)W 10s	13	2-6	White pillar 8			
P3404-66	- Shapa Gang. Baizhou Dao	21 30-35 N 111 27-71 E	Fl(2)W 5s	13	2-6	⊗ on black concrete column, red band 5	Isolated danger mark		
P3404-67	- - Dongxiawo	21 30-67 N 111 28-12 E	Fl(2)G 6s	7	2-6	Green Δ on green concrete pillar 6			
P3404-68	- - Xixiawo	21 30-72 N 111 28-06 E	Fl(2)R 6s	7	2-6	Red □ on red concrete pillar 6			
P3404-73	- Fuhu Zui	21 30-53 N 111 32-67 E	Fl(3)W 10s	85	2-6	White post 13			
P3404-8	- Shuwei Dao	21 30-48 N 111 37-63 E	Fl W 8s	29	6	White round stone pile 8	fl 0-5. Fishing		
P3404-85	- Shuangyu Zui	21 30-97 N 111 38-40 E	Fl(2)W 6s	60	2-6	White column 7			
P3404-9	- Changhuan Zui	21 31-94 N 111 39-99 E	Fl(3)W 10s	70	7	White beacon 13			
P3404-92	- Yangxi Electric Works. Coal Pier Breakwater. Head	21 31-92 N 111 40-57 E	Iso R 4s	17	5	White and red GRP tower 13			
P3404-96	- Shuangshan Dao	21 32-57 N 111 41-43 E	Fl(2)W 8s	50	2-6	White pillar 10			
P3405	- Mawei Zhou. SW Headland	21 33-55 N 111 48-38 E	Fl W 5s	45	12	Round stone masonry tower 13	fl 0-2. Fishing		
LEIZHOU BANDAO TO YAMEN WAIKOU, HAILINGSHAN DAO									
P3405-05	- SW Coast. Beiluohuan	21 33-69 N 111 49-39 E	Fl(3)W 10s	20	2-6	White tower 10			
P3405-1	- - Dajiao Zui E	21 33-79 N 111 51-60 E	Fl(3)W 10s	40	2-6	White tower 10			
LEIZHOU BANDAO TO YAMEN WAIKOU									
P3405-2	- Zhapo Gang. Breakwater. Head	21 35-05 N 111 49-25 E	Fl G 4s	..	1	White cairn column 7	fl 0-4. Fishing		
P3405-3	- - Paotai Zui. Breakwater. Head	21 35-28 N 111 49-21 E	Fl R 4s	..	1	White cairn column 7	fl 0-5. Fishing		
P3405-4	- Xitou Gang. No 1	21 37-65 N 111 48-00 E	Fl G 4s	..	..	Green Δ on green beacon 7	fl 0-5. Fishing		
P3405-42	- - No 2	21 37-62 N 111 46-88 E	Fl(2)R 6s	Red □ on red beacon 7	fl 0-5, ec 1, fl 0-5, ec 4. Fishing		
P3405-43	- - No 3	21 37-87 N 111 46-39 E	Fl R 4s	Red □ on red beacon 7	fl 0-5. Fishing		



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LEIZHOU BANDAO TO YAMEN WAIKOU - (contd)

P3405-435	- Hailingshan Gang. Canjiangtang	21 41-80 N 111 48-56 E	FI(2)W 5s	m	M Black ♂ on black beacon, red band	Isolated danger beacon
P3405-44	--	21 41-41 N 111 48-95 E	FI(2)W 5s	..	..	.. Black ♂ on black beacon, red band	Isolated danger beacon
LEIZHOU BANDAO TO YAMEN WAIKOU. HAILINGSHAN DAO. SOUTH COAST							
P3405-46	- Sanshan	21 35-79 N 111 56-06 E	FI(3)W 10s	25	2-6	White pillar 10	
P3405-47	- Gui Shan	21 37-10 N 112 00-86 E	FI(2)W 8s	20	2-6	White pillar 10	
LEIZHOU BANDAO TO YAMEN WAIKOU							
P3405-48	- Dapeng Jiao	21 36-25 N 112 00-20 E	FI W 4s	8	6	White 4-sided concrete pile 8	fl 0-4
P3405-49	- Beijin Gang. Gaodou Jiao	21 46-16 N 112 03-88 E	FI(2)W 5s	5	1	♂ on black beacon, red stripe 5	Isolated danger mark
P3405-495	- Huadong. Inshore	21 47-19 N 112 05-23 E	FI(3)W 10s	..	2-6	White pile beacon 13	
P3405-5	- Huangcheng Shan	21 33-39 N 112 06-62 E	FI W 5s	18	10	White round concrete structure 10	fl 0-5
P3405-6	- Nanpeng Dao	21 32-90 N 112 10-83 E	FI W 9s	192	20	White concrete tower 12	
	-- Reserve light	..	FI W 8s	..	13		
	--	..	Racon	..	..		ALRS Vol 2 Station 81216
P3405-606	-- Wind Tower. No 1, No 2, No 3	21 28-36 N 112 15-92 E	Mo(U)W 15s	12	4	Red and white metal column 1	3 light beacons mark the wind tower
	----	..	AIS	..	..		MMSI No 994121635
P3405-611	- Yang Jiang. Nuclear Power Station. S Breakwater. No LB1	21 41-98 N 112 15-08 E	Q G	16	..	Green and white beacon	
P3405-612	--- W Breakwater. No LB2	21 42-20 N 112 15-10 E	Q R	16	..	Red and white beacon	
P3405-613	--- Water Intake Breakwater. No LB3	21 42-03 N 112 15-50 E	Q G	16	..	Yellow and white beacon	
P3405-62	- Da'ao Zui	21 42-46 N 112 14-34 E	LFI WR 6s	49	W10 R 4	White round brick pile structure 9	fl 2. W112°-091°(339°), R091°-112°(21°)
P3405-63	- Yangdong Sandianjin	21 42-70 N 112 12-89 E	FI(2)W 5s	9	2-6	♂ on black, concrete beacon, red band 7	Isolated danger beacon
P3405-64	- Ge Zhou	21 43-38 N 112 13-39 E	FI WR 2s	41	W 6 R 2	White 4-sided brick column 4	fl 0-5. W050°-355°(305°), R355°-050°(55°)
P3405-66	- Dongping Gang. W Breakwater. Head	21 43-70 N 112 13-06 E	FI(2)G 6s	10	2	White round pile structure	
P3405-67	-- Breakwater	21 44-50 N 112 12-60 E	FI(2)R 6s	6	2	White 4-sided concrete column 5	fl 0-5, ec 1, fl 0-5, ec 4
P3405-68	-- Shizidi	21 44-40 N 112 12-70 E	FI(2)G 6s	6	1	White 4-sided concrete column 6	fl 0-4, ec 1, fl 0-4, ec 4-2
P3405-69	-- Diaoyutai	21 44-19 N 112 11-84 E	FI(2)W 5s	9	2-6	♂ on black, concrete beacon, red band 7	
P3405-695	- Yangdong Dataling. W Coast	21 46-87 N 112 11-78 E	FI(3)W 10s	15	2-6	White pile 10	

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LEIZHOU BANDAO TO YAMEN WAIKOU - (contd)

P3405-7	- Mang Zhou	21 39-62 N 112 26-10 E	FI W 12s	m	M	129	20	White round concrete tower, ceramic tile facing, red band 18	fl 0-3
				..	..	..	..		ALRS Vol 2 Station 81218
P3405-75	-- N	21 41-20 N 112 27-22 E	FI(3)W 10s	..	4	White column 10			(fl 0-5, ec 1) x 2, fl 0-5, ec 6-5
P3405-76	- Xiao Wan	21 42-16 N 112 17-16 E	FI(3)W 10s	26	2-6	White beacon 10			
P3405-8	- Xiachuan Dao. Fuwan Matou	21 39-70 N 112 33-46 E	FI(2)W 6s	..	2	White column 5			
P3405-85	- Bijia Zhou	21 35-52 N 112 34-32 E	FI W 4s	22	6	White metal framework tower 3			
P3405-9	- Xiachuan Dao. Jiao Zui	21 40-10 N 112 33-40 E	FI W 3s	24	12	White round concrete pile structure 12			fl 0-3
P3406	- Weijia Dao	21 34-25 N 112 47-74 E	FI W 5s	172	18	White round masonry structure 3			fl 0-7
				..	..	..	..	..	ALRS Vol 2 Station 81220
P3406-09	- Shangchun Dao. Sanzhou Gang	21 43-94 N 112 45-24 E	FI W 8s	17	5	Green GRP tower, red bands 6			fl 1
P3406-1	-- Huangmao Tou	21 46-16 N 112 46-78 E	FI(3)W 9s	44	12	White round concrete pile 10			W030°-259°(229°)
P3406-2	- Xiajizhao Shan	21 51-08 N 112 41-23 E	FI(2)W 6s	33	12	Yellow 6-sided concrete column 9			fl 0-3, ec 1, fl 0-3, ec 4-4
P3406-5	- Modou Zhou	21 36-13 N 112 44-07 E	FI W 4s	37	6				2
P3406-7	- Shadi Wan	21 36-15 N 112 44-97 E	FI W 6s	16	5	Square metal tower 5			fl 1
P3406-9	- Qinglan Tou	21 46-39 N 112 52-28 E	FI(2)W 6s	64	12	White round brick tower 4			fl 0-5, ec 1, fl 0-5, ec 4, W099°-350°(251°)
P3406-902	- Taidian. Approaches. Ldg Lts 337°59'. Front	21 50-45 N 112 54-34 E	Iso W 4s	32	15	Red Δ on white concrete dolphin, red stripe 29			
				..	..	..	..	..	ALRS Vol 2 Station 81225
P3406-903	---- Rear	21 51-36 N 112 53-95 E	Oc W 3s	51	15	Red ∇ on white concrete dolphin, red stripe 35			ec 1
P3406-904	-- Inner approaches. Ldg Lts 359°35'. Front	21 51-29 N 112 54-96 E	F R	27	4	□, black stripe, on white metal tower 25			
P3406-905	---- Rear	21 51-42 N 112 54-95 E	F R	34	4	□, black stripe, on white metal tower 12			
P3406-908	--	21 50-66 N 112 54-86 E	Q(3)R 10s	15	4	Red pillar dolphin 10			
P3406-91	-- E Breakwater. No 1	21 50-60 N 112 55-12 E	Q(3)G 10s	18	4	Green round GRP pile 10			
P3406-915	-- Pier	21 50-87 N 112 55-23 E	F R	15	4	Red and white GRP column 10			

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LEIZHOU BANDAO TO YAMEN WAIKOU — Taidian - (contd)

				m	M		
P3406-92 CN, G103, 4575-4	-- E Breakwater. No 3	21 51-11 N 112 55-55 E	Fl(3)W 10s	18	4	Round GRP structure, red and white check band 10	
P3406-93 CN, G103, 4576	- Tonggu Pai	21 51-65 N 112 56-35 E	Fl W 6s	14	8	White square metal framework 2	
P3407 CN, G103, 4575	YAMEN WAIKOU - Xiaojin Dao	21 47-79 N 113 01-27 E	Fl W 6s	84	15	White 6-sided concrete tower	<i>fl 0-5</i>
	--	..	Racon	..	..	..	ALRS Vol 2 Station 81227
P3407-2 CN, G103, 4560-49	YAMEN WAIKOU, GAOLAN LIEDAO - Hebao Dao. No 1	21 52-49 N 113 08-14 E	Fl W 5s	10	5	Square metal tower 6	<i>fl 1</i>
P3407-3 CN, G103, 4560-48	-- No 2	21 52-66 N 113 09-56 E	Fl W 3s	10	5	Column 6	<i>fl 1</i>
P3407-48 CN, G103, 4560-1192	- Gaolan Gangqu. Zhonghaiyou Pier. S	21 52-83 N 113 15-09 E	F R	3	5	White column, red bands 1	
P3407-49 CN, G103, 4560-1192	--- N	21 53-04 N 113 15-01 E	F R	3	5	White column, red bands 1	
P3407-5 CN, G103, 4560-4	-- Nanjing Wan. South Breakwater. Head	21 53-12 N 113 13-51 E	Fl W 4s	17	5	White GRP dolphin, red bands 7	
P3407-51 CN, G103, 4560-45	---- Middle	21 53-21 N 113 13-78 E	Fl(2)W 6s	17	5	White GRP dolphin, red bands 7	
P3407-53 CN, G103, 4560-391	--- Zhonghuageli Pier. Middle	21 53-75 N 113 13-74 E	Fl W 6s	11	4	White square metal framework tower, red bands 5	
P3407-55 CN, G103, 4560-39	---- Head	21 53-68 N 113 13-56 E	Fl(3)W 10s	9	5	White square metal framework tower, red bands 3	
P3407-63 CN, G103, 4561-1511	--- LNG Pier. No 1	21 54-11 N 113 13-10 E	F R	14	3	White metal column, red bands 10	
P3407-64 CN, G103, 4561-1512	---- No 2	21 54-30 N 113 13-02 E	F R	14	3	White metal column, red bands 10	
P3407-67 CN, G103, 4561-75	-- Yangu Terminal. Xinhai Energy Pier	21 54-85 N 113 12-94 E	F R	9	3	White metal column, red bands 3	
P3407-7 CN, G103, 4560-501	-- Nanjing Wan. Branch Channel. Ldg Lts 020°. Front	21 54-48 N 113 13-78 E	Fl R 5s	..	8	△ on grey metal pillar 28	
P3407-75 CN, G103, 4560-502	----- Rear	21 54-67 N 113 13-85 E	Fl R 5s	..	8	▽ on grey metal pillar 28	
P3407-8 CN, G103, 4560-9	YAMEN WAIKOU, ZHUHAI GANG - Gaolan Gangqu. International Pier Ldg Lts 038-58°. Front	21 56-99 N 113 14-00 E	Iso W 4s	26	5	Grey metal framework tower 24	
P3407-81 CN, G103, 4560-91	--- Rear	21 57-14 N 113 14-13 E	Iso W 4s	31	5	Grey metal framework tower 30	
P3407-85 CN, G103, 4560-82	-- Shenhua. Breakwater. Head	21 56-88 N 113 12-38 E	Fl W 5s	7	5	White column, red bands 3	

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YAMEN WAIKOU, ZHUHAI GANG — Gaolan Gangqu, Shenhua - (contd)

				m	M		
P3407-86 CN, G103, 4560-821	--- No 1	21 57-13 N 113 12-59 E	Fl W 5s	6	5	White column, red bands 2	
P3407-87 CN, G103, 4560-822	--- No 2	21 57-24 N 113 12-68 E	Fl W 5s	6	5	White column, red bands 2	
P3407-9 CN, G103, 4560-8141	-- Xinhai Pier	21 57-21 N 113 12-17 E	Fl W 5s	7	5	White metal column, red bands 3	
P3408 CN, G103, 4560-8	- Zhuhangdao. Main Channel Ldg Lts 349-7°. Front	21 56-13 N 113 12-17 E	Fl W 2s	37	10	△ on white concrete tower 34	Sync with rear
P3408-1 CN, G103, 4560-81	--- Rear	21 57-16 N 113 11-97 E	Fl W 2s	67	10	▽ on white concrete tower 62	Sync with front
P3408-2 CN, G103, 4560-8125	- Gaolan Gangqu, Xinhai Bulk Cargo Pier. N	21 57-18 N 113 11-67 E	Fl W 5s	7	4	Red and white column 3	
P3408-25 CN, G103, 4560-8126	--- S	21 57-06 N 113 11-76 E	Fl W 5s	7	4	Red and white column 3	
P3408-3 CN, G103, 4560-7	- Breakwater. Head	21 56-23 N 113 11-72 E	Iso R 4s	11	2	White concrete column 7	
P3408-36 CN, G103, 4560-19	- Huangmao Hai, Gaolan Gangqu. Haizhong Pier. S	21 58-16 N 113 10-26 E	F R	5	5	White column, red bands 3	
P3408-37 CN, G103, 4560-19	---- N	21 58-20 N 113 10-20 E	F R	5	5	White column, red bands 3	
P3408-38 CN, G103, 4560-194	-- Zhongtie Pier. S	21 58-23 N 113 10-21 E	Q R	7	5	White column, red bands 5	
P3408-39 CN, G103, 4560-195	--- N	21 58-29 N 113 10-16 E	Q R	7	5	White column, red bands 5	
P3408-41 CN, G103, 4560-211	-- Gaolan Gangqu, Jutao Pier. S Head	21 58-38 N 113 10-07 E	F R	8	3	Metal post 3	
P3408-42 CN, G103, 4560-212	---- N Head	21 58-44 N 113 10-02 E	F R	8	3	Metal post 3	
P3408-9 CN, G103, 4560-1525	-- Barge Pier	21 59-61 N 113 09-25 E	Fl W 5s	11	4	White metal pile, red bands 5	
P3408-91 CN, G103, 4560-1526	-- General Cargo Pier. S	21 59-62 N 113 09-22 E	Fl W 3s	10	4	White metal post, red bands 5	
P3408-92 CN, G103, 4560-1527	--- N	21 59-69 N 113 09-17 E	Fl W 3s	10	4	White metal post, red bands 5	
P3410 CN, G103, 4563	YAMEN WAIKOU - Chibi Dao	22 05-80 N 113 04-86 E	Fl(2)W 6s	28	3	White concrete dolphin 10	<i>fl 0-3, ec 1, fl 0-3, ec 4-4</i>
P3411 CN, G103, 4563-3	- Shuichongshi Dao	22 09-38 N 113 06-43 E	Fl(2)G 6s	8	2	Green △ on green metal structure 4	
P3412 CN, G103, 4567	- Yaken. No 3	22 10-08 N 113 04-77 E	F R	Red pillar	

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YAMEN WAIKOU — Yaken - (contd)

P3412-5 CN, G103, 4569	-- No 5	22 11-32 N 113 04-73 E	FR	m ..	M ..	Red pillar
P3413 CN, G103, 4570	- Leizhusha	22 11-57 N 113 06-03 E	Fl(2)G 6s	5	1	Green Δ on green beacon
P3413-5 CN, G103, 4571-021	- Xinhui. Emergency Salvage Base Pier. S	22 12-28 N 113 05-26 E	Mo(C)Y 12s	11	2	Yellow \times on yellow metal column 7
P3413-6 CN, G103, 4571-022	--- N	22 12-39 N 113 05-23 E	Mo(C)Y 12s	11	2	Yellow \times on yellow metal column 7

ZHUJIANG KOU AND APPROACHES. MACAO

P3416 CN, G103, 0258	- Dongwangyang. Guia	22 11-77 N 113 32-99 E	Fl(2)W 10s	108	16	White round tower, red topmark 14 <i>fl 1, ec 2, fl 1, ec 6.</i> Typhoon Warning Signals
P3420 CN, G103, 0260	- Ilha de Coloane. Ponta Kahó. Luhuan Dao (Datan Jiao)	22 07-77 N 113 35-47 E	Fl W 4s	47	12	White column 6 <i>fl 0-5</i>
P3420-5 CN, G103, 0259	- Heisha Jiao. Ponta de Hac-Sá	22 06-82 N 113 34-35 E	Fl(2)W 8s	56	12	Metal structure on concrete base
P3422 CN, G103, 0275	- Taipa	22 09-67 N 113 34-32 E	FR	..	3	Chimney 90
P3424 CN, G103, 0278	- Porto Exterior. No 3	22 10-68 N 113 35-07 E	Fl G 2s	8	3	Green Δ on green and white concrete tower 8 <i>fl 0-3</i>
P3426 CN, G103, 0279	-- No 2	22 10-56 N 113 34-99 E	Fl R 4s	8	3	Red \square on concrete structure 8 <i>fl 0-3</i>
P3427 CN, G103, 0272	-- Ldg Lts 305°. Front. Jetty	22 11-70 N 113 33-40 E	FW	13	5	Black metal structure These Ldg Lts are shown by day when hydrofoils are operating and at night as necessary
P3427-01 CN, G103, 0273	--- Middle	22 11-77 N 113 33-29 E	FW	51	5	Black metal structure
P3427-1 CN, G103, 0274	--- Rear. 440m from front	22 11-84 N 113 33-18 E	FW	66	5	Black metal structure
P3427-2	-- Mole. Head. DN 1	22 10-86 N 113 34-81 E	Fl Y 5s	7	5	Yellow beacon Y125°-305°(180°)
P3427-25	--- DN 2	22 10-98 N 113 34-64 E	Fl Y 5s	7	5	Yellow beacon Y125°-305°(180°)
P3427-3 CN, G103, 0285	--- DN 3	22 11-11 N 113 34-45 E	Fl Y 5s	8	5	Yellow metal tower on concrete beacon 8 <i>fl 0-5.</i> Y125°-305°(180°). Ra refl
P3427-35	--- DN 4	22 11-22 N 113 34-28 E	Fl Y 5s	7	5	Yellow beacon Y125°-305°(180°)
P3427-5	--- DS1	22 10-66 N 113 34-82 E	Fl Y 3s	7	5	Yellow beacon <i>fl 0-5.</i> Y305°-125°(180°)
P3427-55	--- DS2	22 10-78 N 113 34-62 E	Fl Y 3s	7	5	Yellow beacon Y305°-125°(180°)
P3427-6 CN, G103, 0288	--- 2C	22 10-87 N 113 34-30 E	Fl Y 3s	8	5	Yellow metal tower on concrete beacon 8 <i>fl 0-5.</i> Y305°-125°(180°). Ra refl
P3427-65	--- DS3	22 10-83 N 113 34-45 E	Fl Y 3s	7	5	Yellow beacon <i>fl 0-5.</i> Y125°-305°(180°)
P3428 CN, G103, 0280	-- Close off N Mole. No 5	22 10-91 N 113 34-68 E	Fl G 4s	8	3	Green Δ on green and white concrete tower 8 <i>fl 0-4</i>

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ZHUJIANG KOU AND APPROACHES. MACAO — Porto Exterior - (contd)

P3429	-- S side of Channel. No 4	22 10-96 N 113 34-35 E	Fl R 2s	m 7	M 3	Concrete structure on piles <i>fl 0-5</i>
P3430 CN, G103, 0282	-- N side of Channel. No 7	22 11-23 N 113 34-20 E	Fl G 3s	8	3	Green Δ on green and white concrete tower 8 <i>fl 0-5</i>
P3432 CN, G103, 0284	-- Bridge pillar. S. No 6	22 11-34 N 113 33-79 E	Fl R 2s	8	3	Red \square on white concrete tower, red bands 8 <i>fl 0-3</i>
P3432-5 CN, G103, 0268	-- Bridge Centre. PS	22 11-40 N 113 33-78 E	Fl W 2-5s	8	3	Yellow pillar, black stripes Ra refl <i>fl 0-5.</i>
P3432-51 CN, G103, 0267	--- PN	22 11-41 N 113 33-82 E	Fl W 2s	8	5	Yellow pillar, black stripes Ra refl <i>fl 0-3.</i>
P3433 CN, G103, 0269	-- Bridge pillar. N. No 9	22 11-46 N 113 33-81 E	Fl G 2s	8	2	Green Δ on white concrete pillar, green stripes 8 <i>fl 0-3</i>
P3434 CN, G103, 0271	-- No 8	22 11-45 N 113 33-59 E	Fl R 4s	7	2	Red \square on red metal structure 7 <i>fl 1</i>
P3434-5	- Etar Taipa	22 09-99 N 113 34-39 E	Fl(2)Y 8s	6	5	Yellow beacon
P3435 CN, G103, 0293-09	- Porto Interior Channel. E Bridge. NE. M9	22 10-84 N 113 33-82 E	Fl(2)G 5s	9	3	Green and white column <i>fl 0-5, ec 1, fl 0-5, ec 3</i>
P3435-2 CN, G103, 293-1	- Porto Interior channel. E Bridge. SE. M10	22 10-80 N 113 33-82 E	Fl(2)R 6s	9	3	Red and white column <i>fl 0-5, ec 1, fl 0-5, ec 4</i>
P3435-4 CN, G103, 0293-11	- Porto Interior Channel. E Bridge. NW. M11	22 10-85 N 113 33-79 E	Fl(2)G 5s	9	3	Green and white column <i>fl 0-5, ec 1, fl 0-5, ec 3</i>
P3435-6 CN, G103, 0293-12	--- SW. M12	22 10-81 N 113 33-79 E	Fl(2)R 6s	9	3	Red and white column <i>fl 0-5</i>
P3438	- Banco da China	22 11-40 N 113 32-57 E	FR	163	3	
P3441 CN, G103, 0293-15	- W Bridge. NE. M15	22 10-83 N 113 32-76 E	Fl G 4s	9	3	Green and white column <i>fl 0-5</i>
P3441-2 CN, G103, 0293-16	-- SE. M16	22 10-78 N 113 32-77 E	Fl R 3s	9	3	Red and white column <i>fl 0-5</i>
P3441-3 CN, G103, 0293-17	-- NW. M17	22 10-81 N 113 32-68 E	Fl G 3s	9	3	Green and white column 5 <i>fl 0-5</i>
P3441-4 CN, G103, 0293-18	-- SW. M18	22 10-77 N 113 32-69 E	Fl R 4s	9	3	Red and white column <i>fl 0-5</i>
P3442 CN, G103, 0293-201	- Binglang Shi	22 10-52 N 113 32-22 E	Fl W 5s	8	3	White 4-sided concrete column <i>fl 0-5</i>
P3442-5 CN, G103, 0293-21	- Inner Bridge. NE. M21	22 10-57 N 113 32-07 E	Fl G 3s	..	3	Metal frame <i>fl 0-5</i>
P3442-51 CN, G103, 0293-22	-- SE. M22	22 10-49 N 113 32-11 E	Fl R 3s	..	3	Metal frame <i>fl 0-5</i>
P3442-52 CN, G103, 0293-23	-- NE. M23	22 10-56 N 113 32-05 E	Fl G 4s	..	3	Metal frame <i>fl 0-5</i>
P3442-53 CN, G103, 0293-24	-- SW. M24	22 10-48 N 113 32-09 E	Fl R 4s	..	3	Metal frame <i>fl 0-5</i>
P3446-5	- Canal da Taipa. SW	22 06-82 N 113 32-95 E	Fl W 4s	8	5	White beacon
P3448-3	-- Bridge. SW. No 2	22 08-39 N 113 32-92 E	Fl(2)R 6s	8	3	

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ZHUJIANG KOU AND APPROACHES. MACAO — Canal da Taipa. Bridge - (contd)

				m	M		
P3448-31	--- SE. No 3	22 08-39 N 113 32-97 E	Fl(2)G 5s	8	3		
P3448-32	--- NW. No 4	22 08-41 N 113 32-92 E	Fl(2)R 6s	8	3		
P3448-33	--- NE. No 5	22 08-39 N 113 32-97 E	Fl(2)G 5s	8	3		
P3448-5	- Electric Works. Pier CN, G103, 0264-1	22 08-50 N 113 35-04 E	Fl W 4s	6	5	White metal structure	fl 0-2
P3448-8	- Cais da Cem. Canal. S	22 12-06 N 113 33-75 E	F R	6	2	..	Occas
P3448-81	--- N	22 12-07 N 113 33-74 E	F R	6	2	..	Occas
P3449	- Etar Macau	22 12-44 N 113 33-97 E	Fl(2)Y 10s	6	5	Yellow beacon	
ZHUJIANG KOU AND APPROACHES							
P3449-4	- Jiuzhou Gang. Breakwater. Head CN, G103, 4378-661	22 14-24 N 113 35-21 E	Fl(3)W 10s	10	5	White round stone tower	6
P3449-5	-- Ldg Lts 329°05'. Front CN, G103, 4378-65	22 14-58 N 113 34-91 E	Fl W 3s				
P3449-51	--- Rear CN, G103, 4378-66	22 14-77 N 113 34-79 E	Fl W 3s				
P3449-55	- Hong Kong-Zhuhai-Macao Bridge. Main Project Platform. No 1 CN, G103, 4378-591	22 13-53 N 113 36-11 E	Fl(2)W 5s	..	..	Black 8 on black beacon, red band	Isolated danger mark
P3449-57	-- Yanshi Jiao CN, G103, 4378-67	22 14-03 N 113 36-89 E	Fl(2)W 5s	3	4	Black 8 on black beacon, red band	2 Isolated danger mark
P3449-58	- Jilong Dao. S CN, G103, 4378-7101	22 15-36 N 113 37-01 E	Fl W 6s	5	4	White post, red bands	3
P3449-59	-- N CN, G103, 4378-7102	22 15-42 N 113 36-99 E	Fl(2)W 6s	5	4	White post, red bands	3
P3449-6	- Hong Kong-Zhuhai-Macao Bridge. Main Project Platform. No 2 CN, G103, 4378-81	22 15-10 N 113 39-34 E	Fl(2)W 5s	..	..	Black 8 on black beacon, red band	Isolated danger mark
P3449-63	-- Test Platform. Warning CN, G103, 4378-88	22 16-23 N 113 41-36 E	Fl(2)W 5s	14	5	Black 8 on black beacon, red band	Isolated danger mark
P3449-65	-- Main Project Platform. No 3 CN, G103, 4378-87	22 17-06 N 113 43-43 E	Fl(2)W 5s	..	..	Black 8 on black beacon, red band	Isolated danger mark
ZHUJIANG KOU AND APPROACHES. ZHUHAI SHI							
P3449-7	- Xiaobaipai Dao CN, G103, 4378-9	22 17-23 N 113 37-09 E	Fl(2)W 5s	18	5	Column	6 fl 0-5, ec 1, fl 0-5, ec 3
P3449-9	- Tongluo Pai CN, G103, 4379	22 17-32 N 113 36-23 E	Fl(2)W 5s	7	6	Black 8 on black beacon, red band	7 fl 0-5, ec 1, fl 0-5, ec 3. Fishing
P3449-95	- Xiangzhou Gang. N Breakwater Head CN, G103, 4379-2	22 17-42 N 113 35-26 E	Fl W 3s	8	5	Column	6
P3450	- Yeli Dao. Breakwater. Head CN, G103, 4380	22 17-37 N 113 35-06 E	Fl(2)R 6s	8	2-4	White round stone masonry pile	7 fl 0-5, ec 1, fl 0-5, ec 4. Fishing
ZHUJIANG KOU AND APPROACHES							
P3451-94	- Dawu Wan. Oil and Gas Pier. S CN, G103, 4381-04	22 22-42 N 113 37-68 E	Fl R 3s	6	4	White column, red bands	3 In sync

South China and Eastern Archipelagic Seas — South China Sea — China

ZHUJIANG KOU AND APPROACHES — Dawu Wan. Oil and Gas Pier - (contd)

				m	M		
P3451-95	--- N CN, G103, 4381-03	22 22-48 N 113 37-63 E	Fl R 3s	6	4	White column, red bands	3 In sync
P3452	- Tonggu Jiao CN, G103, 4381	22 22-50 N 113 37-54 E	Fl(2)W 6s	55	18	White round stone tower and building	11 fl 0-5, ec 1, fl 0-5, ec 4
P3453	- Jinxing Dao CN, G103, 4382	22 23-23 N 113 37-04 E	Fl W 4s	20	6	White round stone tower	3 fl 0-4
P3454	- Hengmenxi Shuidao. No 1. Banchao Jiao CN, G103, 4383	22 23-34 N 113 35-57 E	Fl(2)R 6s	7	1	Red □ on red beacon	fl 0-4, ec 1, fl 0-4, ec 4-2
P3454-2	-- No 2 CN, G103, 4384	22 25-09 N 113 34-98 E	Fl(2)R 6s	2	1	□ on red beacon	fl 0-4, ec 1, fl 0-4, ec 4-2
P3454-3	-- No 4 CN, G103, 4386	22 27-37 N 113 35-05 E	Fl(2)R 6s	3	1	□ on red beacon	
P3454-4	-- No 5 CN, G103, 4387	22 28-84 N 113 35-00 E	Fl(2)R 6s	3	1	□ on red beacon	fl 0-4, ec 1, fl 0-4, ec 4-2
P3454-5	-- No 6 CN, G103, 4388	22 29-87 N 113 35-43 E	Fl(2)G 6s	..	..	Green △ on green beacon	
P3454-6	-- No 7 CN, G103, 4389	22 31-34 N 113 34-88 E	Fl(2)R 6s	3	1	Red □ on red beacon	
P3456	- Qiao Dao. NE Point CN, G103, 4391	22 26-10 N 113 39-57 E	Fl(2)W 6s	29	8	White round masonry framework structure	10
P3456-1	-- Hengmen Dongshuidao. Front. No 2 CN, G103, 4391-12 CN, G103, 4391-13	22 25-23 N 113 40-76 E ..	F R Fl(2)R 6s	26 6	9 5	Black column, white bands, □ topmark Red □ on red beacon	Topmark consists of 4 rectangular LEDs
P3456-11	--- Rear. No 3 CN, G103, 4391-14	22 25-86 N 113 39-57 E ..	F R Racon	46 ..	9 ..	Black column, white bands, □ topmark ..	Topmark consists of 5 rectangular LEDs ALRS Vol 2 Station 81289
P3456-21	- Hengmen Dongshuidao. No 5 CN, G103, 4391-16	22 27-67 N 113 38-83 E	Fl(2)R 6s	8	5	Red □ on red metal pole	
P3456-24	-- No 8 CN, G103, 4391-19	22 32-20 N 113 38-21 E	Fl(2)G 6s	8	5	Green △ on green metal pole	
P3456-25	-- No 9 CN, G103, 4391-2	22 33-95 N 113 37-79 E	Fl(2)G 6s	8	5	Green △ on green metal pole	
P3456-26	-- No 10 CN, G103, 4391-21	22 35-27 N 113 36-98 E	Fl(2)G 6s	8	5	Green △ on green metal pole	
P3456-28	-- No 12 CN, G103, 4391-23	22 35-27 N 113 34-49 E	Fl(2)G 6s	8	5	Green △ on green metal pole	
P3456-31	- Wanqingsha. S Channel. No 1 CN, G103, 4415-01	22 35-08 N 113 40-31 E	Fl(2)G 6s	..	..	Green △ on green metal post	
P3456-32	--- No 2 CN, G103, 4415-02	22 34-97 N 113 40-00 E	Fl(2)R 6s	..	..	Red □ on red metal post	
P3456-33	--- No 3 CN, G103, 4415-03	22 34-87 N 113 39-39 E	Fl(2)G 6s	..	..	Green △ on green metal post	
P3456-34	--- No 4 CN, G103, 4415-04	22 34-45 N 113 38-98 E	Fl(2)R 6s	..	..	Red □ on red metal post	
P3456-35	--- No 5 CN, G103, 4415-05	22 34-10 N 113 38-57 E	Fl(2)R 6s	..	..	Red □ on red metal post	
P3456-36	--- No 6 CN, G103, 4415-06	22 33-77 N 113 38-08 E	Fl(2)G 6s	..	..	Green △ on green metal post	
ZHUJIANG KOU AND APPROACHES. SHEKOU GANG							
P3457-4	- Shekou. Ldg Lts 036°43'. Front CN, G103, 4330-1	22 28-55 N 113 54-64 E	Iso G 2s	14	2	Red △ on white GRP structure, black stripe	13

South China and Eastern Archipelagic Seas — South China Sea — China

ZHUJIANG KOU AND APPROACHES. SHEKOU GANG — Shekou. Ldg Lts 036°43' - (contd)

P3457-41 CN, G103, 4330-11	--- Rear	22 28-77 N 113 54-82 E	Oc R 5s	18	3 Red ▽ on white GRP structure 17	<i>ec 1</i>	
P3457-5 CN, G103, 4330	-- Haven. Breakwater. Head	22 29-21 N 113 55-50 E	Fl(2)R 6s	..	2 White round concrete pile 7	<i>fl 0-5, ec 1, fl 0-5, ec 4</i>	
P3457-6 CN, G103, 4329	-- Houhai Chenpai	22 29-99 N 113 56-83 E	Fl(2)W 5s	6	6 Black ♂ on black beacon, red band 7	<i>fl 0-5, ec 1, fl 0-5, ec 3. Occas</i>	
P3458 CN, G103, 4310	- Chiwan Gang. Ldg Lts 355°25'. Front	22 28-77 N 113 52-84 E	Iso R 4s	40	5 Grey and white framework tower 32		
P3458-1 CN, G103, 4311	--- Rear. 357m from front	22 28-97 N 113 52-83 E	Oc R 5s	49	5 White ▽ on white concrete structure 10		
ZHUJIANG KOU AND APPROACHES							
P3459 CN, G103, 4341	- Xiya Dao	22 32-83 N 113 49-14 E	Fl(2)W 6s	25	3 White concrete post 3	<i>Y272°-245°(333°)</i>	
P3460 CN, G103, 4342	- Xiaochan Jiao (Xiaochen Pai). Fishing light	22 33-14 N 113 50-47 E	Fl R 4s	..	2 Red □ on red beacon 4	<i>fl 0-5. Occas</i>	
P3461-5 CN, G103, 4342-1	- Fanshi Shuidao. No 1	22 34-55 N 113 47-67 E	Fl(2+1)G 6s	5	.. Δ on beacon		
P3462 CN, G103, 4344	-- No 2	22 35-96 N 113 46-68 E	Q(9)W 15s	5	4 ∇ on yellow beacon, black band		
P3463-5 CN, G103, 4345-01	- Dachan Shuidao. No 3	22 38-86 N 113 46-73 E	Fl(2)G 6s	5	.. Green Δ on green beacon		
P3464 CN, G103, 4346	-- No 4	22 40-51 N 113 45-37 E	Fl(2)G 6s	5	2 Green Δ on green metal pole		
P3464-5 CN, G103, 4344-5	- Fanshi Shuidao. No 2-1	22 40-05 N 113 44-09 E	Fl(2+1)G 6s	5	.. Green Δ on green pile, red band		
P3465 CN, G103, 4347	-- No 3	22 41-27 N 113 43-16 E	Q(9)W 15s	5	.. ∇ on yellow beacon, black band		
P3465-24 CN, G103, 4347-5	- Dachan Shuidao. No 5-1	22 41-75 N 113 43-85 E	Fl(2)R 6s	5	.. Red □ on red pile		
P3465-25 CN, G103, 4347-1	-- No 5	22 42-23 N 113 44-43 E	Fl(2)G 6s	5	.. Green Δ on green beacon		
P3465-305 CN, G103, 4348	-- No 6	22 42-81 N 113 42-98 E	Fl(2)R 6s	5	.. Red □ on red pile		
P3465-306 CN, G103, 4348-5	-- No 6-1	22 43-17 N 113 42-93 E	Fl(2)G 6s	5	.. Green Δ on green pile		
P3465-307 CN, G103, 4351	-- No 7	22 43-46 N 113 41-62 E	Fl(2)R 6s	5	.. Red □ on red pile		
P3465-308 CN, G103, 4351-1	-- No 7-1	22 43-61 N 113 41-69 E	Fl(2)G 6s	5	.. Green Δ on green pile		
P3465-309 CN, G103, 4349	-- No 8	22 43-83 N 113 40-83 E	Fl(2)R 6s	5	.. Red □ on red pile		
P3465-32 CN, G103, 4349	- Maozhouhe Kou. No1	22 43-07 N 113 45-06 E	Fl(2)G 6s	5	2 Green Δ on green metal pole		
P3465-322 CN, G103, 4349-2	-- No 2	22 43-93 N 113 45-26 E	Fl(2)G 6s	5	.. Green Δ on green metal pole		
P3465-39 CN, G103, 4374-726	- Nansha Gang. S Pier. Head	22 40-03 N 113 40-35 E	Fl G 4s	10	5 White column, green bands 10		
P3465-4 CN, G103, 4374-9	-- Barge. Breakwater Head	22 39-75 N 113 40-48 E	Q G	13	4 Green GRP tower 10		

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ZHUJIANG KOU AND APPROACHES — Nansha Gang - (contd)

				m	M	
P3465-41 CN, G103, 4374-89	-- Service Boat Pier	22 39-65 N 113 40-58 E	Q R	11	5	10
P3465-45 CN, G103, 4374-31	-- Sanqi Barge Pier	22 37-75 N 113 41-13 E	Fl W 3s	10	5	Green and white GRP tower 10
P3465-451 CN, G103, 4374-32	--- No 2	22 37-64 N 113 41-16 E	Fl W 5s	13	5	Red and white GRP tower 10
P3465-5 CN, G103, 4403-5	- Longxue Nanshuidao	22 35-04 N 113 40-98 E	Fl(2)R 6s	..	..	Red □ on red beacon
P3465-51 CN, G103, 4404	-- No 1	22 35-96 N 113 39-66 E	Fl(2)R 6s	..	..	Red □ on red beacon
P3465-52 CN, G103, 4405	-- No 2	22 37-04 N 113 38-98 E	Fl(2)R 6s	4	3	Red □ on red beacon
P3465-53 CN, G103, 4405	-- No 3	22 38-24 N 113 38-78 E	Fl(2)R 6s	3	1	Red □ on red beacon
P3465-55 CN, G103, 4408	-- No 5	22 39-23 N 113 38-48 E	Fl(2)G 6s	..	..	Green Δ on green beacon
P3465-56 CN, G103, 4409	-- No 6	22 40-76 N 113 37-39 E	Fl(2)G 6s	3	1	Green Δ on green beacon
P3465-57 CN, G103, 4410	-- No 7	22 41-30 N 113 36-16 E	Fl(2)R 6s	..	..	Red □ on red beacon
P3465-59 CN, G103, 4411	-- No 8	22 42-35 N 113 34-79 E	Fl(2)R 6s	..	..	Red □ on red beacon
P3465-591 CN, G103, 4413	-- No 9	22 43-29 N 113 34-43 E	Fl(2)R 6s	3	1	Red □ on red beacon
P3465-593 CN, G103, 4415	-- No 10	22 44-03 N 113 33-80 E	Fl(2)R 6s	3	2	Red □ on red beacon
P3466 CN, G103, 4378	- Shanban Zhou	22 43-03 N 113 39-46 E	Fl W 5s	31	18	White square tower and building 13 <i>fl 0-5</i>
	--	..	Horn Mo(U) 30s	..	..	..
	--	..	Racon	..	..	ALRS Vol 2 Station 81290
P3468 CN, G103, 4356	- Hudan Pai	22 47-04 N 113 39-66 E	Fl R 1-5s	4	3	Red round brick tower 5 <i>fl 0-5</i>
P3468-05 CN, G103, 4415-9	- Xiahengdang SW	22 47-24 N 113 36-42 E	Fl(2)G 6s	5	3	Green Δ on green post
P3468-1 CN, G103, 4416-811 -4416-87	- Humen Bridge Opening. West of Shanghengdang. Centre. No 49, No 50	22 47-40 N 113 36-24 E	F G	..	3	Green ^ ▽ on white square board Lights each side of bridge. Centre mark for two way navigable span
	---- No 49	..	Racon	..	..	ALRS Vol 2 Station 81291
	---- No 50	..	Racon	..	..	ALRS Vol 2 Station 81292
	---- Westward. No 1 - No 46	..	F R	..	3	Red × on yellow square board Lights each side of bridge. Marks area closed to navigation
	----- No 47, No 48	..	Q Y	..	3	Yellow pillar, red bands 5 vertical lights each side of bridge. Marks bridge piers
	---- Eastward. No 51, No 52	..	Q Y	..	3	Yellow pillar, red bands 5 vertical lights each side of bridge. Mark bridge piers
	----- No 53 - No 60	..	F R	..	3	Red × on yellow square board Lights each side of bridge. Marks area closed to navigation

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ZHUJIANG KOU AND APPROACHES — Humen Bridge Opening - (contd)

		m		M			
P3468-2	-- East of Shanghengdang.	22 47-82 N	FG	..	3	Green \wedge \vee on white square board	Lights each side of bridge. Centre mark for two way navigable span
CN, G103, 4416-871	Centre. No 75, No 76	113 36-95 E					ALRS Vol 2 Station 81293
- 4416-89	---- No 75	..	Racon	..	..	..	ALRS Vol 2 Station 81294
	---- No 76	..	Racon	..	..	..
	---- Westward. No 61 - No 70	..	FR	..	3	Red x on yellow square board	Lights each side of bridge. Marks area closed to navigation
	----- No 71, No 72	..	Q Y	..	3	Yellow pillar, red bands	5 vertical lights each side of bridge. Marking bridge piers
	----- No 73, No 74	..	Fl(2)R 6s	..	3	Red \square	Lights each side of bridge. Mark SW side of channel
	---- Eastward. No 77, No 78	..	Fl(2)G 6s	..	3	Green \triangle	Lights each side of bridge. Marks NE side of channel
	----- No 79, No 80	..	Q Y	..	3	Yellow pillar, red bands	5 vertical lights each side of bridge. Marking bridge piers
P3468-4	- Xiaohu W Channel	22 48-90 N	Fl(2)R 6s	7	3	Red concrete tower	
CN, G103, 4416-35		113 34-70 E				7	
P3468-5	- Zhujiang. Electric Works. No 1	22 49-23 N	FR	13	5	White GRP tower, red bands	
CN, G103, 4416-507		113 34-18 E				10	
P3468-51	--- No 2	22 49-17 N	Fl W 3s	5	1	White metal column, red bands	
CN, G103, 4416-508		113 34-16 E				3	
P3468-52	--- No 3	22 49-18 N	Fl(3)W 8s	3	1	White metal column, red bands	
CN, G103, 4416-509		113 34-03 E				3	
P3468-8	- Xiaohu Shihua. LB1	22 49-76 N	Q G	13	5	Green beacon	
CN, G103, 4417-52		113 33-82 E					
P3468-9	-- LB2	22 49-82 N	Q R	13	5	Red beacon	
CN, G103, 4417-55		113 33-55 E					
P3468-95	-- LB3	22 50-21 N	Iso W 4s	13	5	White beacon, red bands	
CN, G103, 4417-58		113 33-77 E					
P3469	- Yuehai Xiaohu. Ldg Lts 286°01'. Front	22 50-43 N	Iso G 2s	17	6	White metal framework tower, black stripe	
CN, G103, 4417-7		113 33-71 E				12	
P3469-1	--- Rear. 400m from front	22 50-49 N	FG	25	6	White metal framework tower, black stripe	
CN, G103, 4417-71		113 33-50 E				20	
P3469-2	- Yuehai Wharf. N Breakwater. Head	22 50-50 N	Mo(C)Y 12s	12	3	Yellow x on yellow beacon	
CN, G103, 4417-74		113 33-74 E					
P3471-7	- Humen. Passenger Wharf. No 1	22 52-73 N	Q W	5	3	White metal post, red band	
CN, G103, 4421-041		113 34-40 E				3	
P3471-8	--- No 2	22 52-83 N	Fl G 4s	5	3	Green metal post	
CN, G103, 4421-042		113 34-42 E				3	
P3471-9	--- No 3	22 52-86 N	Fl R 4s	5	3	Red metal post	
CN, G103, 4421-043		113 34-43 E				3	
P3472	- Zhouziwei N	22 53-46 N	FR				
CN, G103, 4424		113 34-76 E					
P3473-9	- Nizhou Tou. Ldg Lts 009°03'. Front. 580m from rear	22 54-24 N	FR	18	5	White concrete pile, black stripe	Common rear P3474
CN, G103, 4426		113 34-35 E				16	
P3474	--- Common rear	22 54-56 N	FR	25	5	Grey concrete pile, black stripe	Front P3473-9
CN, G103, 4428		113 34-41 E				25	
	-- Ldg Lts 138°43'. Common rear	..	FR	25	5	..	Front P3474-1
						25	
P3474-1	-- Ldg Lts 138°43'. Front. 400m from rear	22 54-73 N	FR	18	5	White concrete pile, black stripe	Common rear P3474
CN, G103, 4427-1		113 34-26 E				17	

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ZHUJIANG KOU AND APPROACHES - (contd)

		m		M			
P3474-6	- Dongwan Lisha. Oil Products. Breakwater. Head. No 1	22 55-69 N	LFl R 6s	13	5	Red metal column	
CN, G103, 4429-51		113 33-93 E				8	
P3474-605	----- No 2	22 55-89 N	Iso R 4s	13	5	Red metal column	
CN, G103, 4429-52		113 33-80 E				8	
P3474-701	- Hongyuan Pier. No 1	22 56-50 N	FR	9	5	White metal pile, red bands	
CN, G103, 4429-525		113 33-43 E				6	
P3474-702	-- No 2	22 56-36 N	FR	9	5	White metal pile, red bands	
CN, G103, 4429-526		113 33-52 E				6	
P3475-1	- Lianhua Shan. Lt V	22 56-67 N	Mo(A)W 6s	..	..	Red hull marked LIANHUA SHAN on both sides	
CN, G103, 4431-15		113 32-69 E					
	---	..	Racon	..	..	..	ALRS Vol 2 Station 81295
	---	..	AIS	..	..	..	MMSI No 994131644
P3475-5	- Humen Gang Xinsha. S. Operating Area. No 1	22 59-00 N	Iso W 4s	5	3	White metal pile, red bands	
CN, G103, 4431-41		113 32-50 E				5	
P3475-52	---- No 2	22 58-39 N	Iso W 4s	5	3	White metal pile, red bands	
CN, G103, 4431-42		113 32-76 E				5	
P3476	- Lianshan. Ldg Lts 325°40'. Front	22 59-77 N	Iso R 2s	18	5	White concrete tower	
CN, G103, 4439		113 30-66 E				15	
P3476-1	--- Rear. 400m from front	22 59-97 N	Oc R 6s	24	5	White concrete tower	
CN, G103, 4440		113 30-51 E				23	
P3476-5	- Dong Jiang	23 03-18 N	FR				
		113 31-43 E					
P3476-55	--	23 02-63 N	Fl(4)G 8s				
		113 31-29 E					
P3477	- Chisha Shuidao. No D5. Lts in line 225°43'. Front	23 02-91 N	Fl G 3s	12	2	4-sided metal framework tower, red and white chequered bands	fl 0-5. Marks centre of Anchorage Area D5
CN, G103, 4448		113 29-87 E				11	
P3477-1	---- Rear	23 02-88 N	Oc G 6s	14	2	4-sided metal framework tower, red and white chequered bands	Marks centre of Anchorage Area D5
CN, G103, 4448-1		113 29-84 E				14	
P3478	-- No D6. Lts in line 223°48-8'. Front	23 03-19 N	Fl R 3s	12	2	4-sided metal framework tower, red and white chequered bands	fl 0-5. Marks centre of Anchorage Area D6
CN, G103, 4448-2		113 29-58 E				11	
P3478-1	---- Rear	23 03-15 N	Oc R 6s	14	2	4-sided metal framework tower, red and white chequered bands	Marks centre of Anchorage Area D6
CN, G103, 4448-21		113 29-55 E				14	
P3479	-- Nos 1-2. Ldg Lts 218°10-7'. Front	23 03-26 N	Fl W 3s	11	5	4-sided metal framework tower, red and white chequered bands	fl 0-5. Marks edge of turning basin
CN, G103, 4448-3		113 29-47 E				11	
P3479-1	---- Rear	23 03-23 N	Oc W 6s	14	5	4-sided metal framework tower, red and white chequered bands	Marks edge of turning basin
CN, G103, 4448-31		113 29-44 E				14	

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ZHUJIANG KOU AND APPROACHES — Chisha Shuidao - (contd)

P3480 CN, G103, 4448-4	-- Nos 3-4. Ldg Lts 220°10-7'. Front	23 03-54 N 113 29-06 E	Fl W 3s	12	M 5 4-sided metal framework tower, red and white chequered bands 11	fl 0-5. Marks edge of turning basin
P3480-1 CN, G103, 4448-41	---- Rear	23 03-51 N 113 29-03 E	Oc W 6s	14	5 4-sided metal framework tower, red and white chequered bands 14	Marks edge of turning basin
ZHUJIANG KOU AND APPROACHES. HUANGPU						
P3481-05 CN, G103, 4454-01 CN, G103, 4454-10	- Huangpu Bridge. Dahaozhou Shuidao, Centre. No 5, No 6 --- No 3, No 4 --- No 7, No 8 --- No 1, No 2, No 9, No 10	23 04-38 N 113 28-62 E	F G Fl R 4s Fl G 4s Q Y	..	.. Green ^ v on white board .. Red square board .. Green Δ .. Yellow pillar red bands	Lights each side of bridge. Centre mark for two way navigable span Lights each side of bridge. Marks SW side of navigable span Lights each side of bridge. Marks NE side of navigable span Lights each side of piers. Marks bridge piers located NE and SW of navigable span
P3481-13 CN, G103, 4454-11 CN, G103, 4451-16	-- Boluomiao Shuidao. Centre. No 13, No 14 --- No 11, No 12, No 15, No 16	23 04-93 N 113 29-00 E	F G Q Y	..	.. Green ^ on white board .. Yellow pillar red bands	Lights each side of bridge. Marks one way navigable span Lights each side of piers. Marks bridge piers located NE and SW of navigable span
P3482 CN, G103, 4455	- Dahao Zhou (Tonggu Sha). W Side Ldg Lts 132°27'. Front	23 04-89 N 113 28-30 E	Fl W 3s	9	5 White round GRP tower 8	fl 0-3. Tide gauge
P3482-1 CN, G103, 4456	--- Rear. 200m from front	23 04-81 N 113 28-39 E	Iso W 2s	11	5 White round brick tower 10	
P3482-5 CN, G103, 4459	-- North-westward. Shoal	23 05-11 N 113 28-30 E	Fl(2)W 5s	9	6 Black ⊗ on black metal framework tower, red band 6	fl 0-5, ec 1, fl 0-5, ec 3
P3483 CN, G103, 4460	-- Ldg Lts 324°40'. Front	23 05-43 N 113 27-81 E	Iso G 6s	12	5 White round masonry tower 10	
P3483-1 CN, G103, 4461	--- Rear. 180m from front	23 05-51 N 113 27-75 E	F G	15	5 White round masonry tower 15	
P3483-2 CN, G103, 4462	- Dahao Zhou. E Side Ldg Lts 312°27'. Front	23 05-48 N 113 27-60 E	Iso G 6s	10	5 White round brick tower 10	
P3483-21 CN, G103, 4463	--- Rear. 160m from front	23 05-53 N 113 27-55 E	F G	15	5 White round brick tower 14	
P3488 CN, G103, 4470-051 - 4470-072	- Dazhou Bridge. Opening. No 11, No 12 --- No 9, No 10 --- No 13, No 14 --- No 1, No 2, No 21, No 22	23 06-67 N 113 22-13 E	F G Fl R 4s Fl G 4s F R	..	.. Green ^ v on white □ .. Red □ .. Green Δ .. Red × on yellow □	Two way navigable span. Bridge piers marked by Q Y lights Marks port side of navigable span Marks starboard side of navigable span Sailing under these spans is prohibited
ZHUJIANG KOU AND APPROACHES						
P3490 CN, G103, 4510	- Liyu Gang	23 01-94 N 113 22-90 E	Fl W 4s	13	5 White round GRP column, red bands 10	
P3490-2 CN, G103, 4504	- Fenshui Tou	23 02-25 N 113 21-47 E	Fl W 6s	13	4 White GRP column, red bands 10	
P3490-4 CN, G103, 4491	- Lijiao. S	23 03-00 N 113 18-77 E	Fl W 4s	16	4 White GRP column, red bands 10	

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ZHUJIANG KOU AND APPROACHES. WANSHAN QUNDAO

P3515 CN, G103, 4282	- Wenwei Zhou	21 48-82 N 113 56-26 E	LFl W 6s	43	M 19 White GRP lantern, red top, on white round stone tower 18	fl 0-1 ALRS Vol 2 Station 81250 MMSI No 999413097
P3517 CN, G103, 4281-8	- Jiapeng Liedao. Baipai Dao	21 52-08 N 113 59-03 E	Fl(2)W 5s	28	5 Square metal tower 5	fl 0-5, ec 1, fl 0-5, ec 3
P3518 CN, G103, 4282-08	- Aizhouzai Shijiao Zui	22 02-04 N 113 54-35 E	LFl W 8s	31	5 Square metal tower 5	fl 2
P3520 CN, G103, 4282-1	- Zhu Zhou	21 59-79 N 113 49-60 E	Fl W 4s	186	18 White round metal tower 15	fl 0-3 ALRS Vol 2 Station 81260
P3520-3 CN, G103, 4282-14	- Hengzhou	22 00-26 N 113 48-02 E	LFl W 6s	24	5 Square metal structure 4	fl 2
P3520-5 CN, G103, 4282-2	- Guizhou	21 59-22 N 113 47-50 E	LFl W 6s	31	5 Metal framework tower 4	fl 2
P3521 CN, G103, 4283	- Dayapai Dao	22 04-79 N 113 48-19 E	Fl WR 6s	24	W13 White round pile R 8 6	fl 0-8. W165°-320°(155°), R320°-165°(205°) ALRS Vol 2 Station 81265
P3521-005 CN, G103, 4358-06	- Xiaowanshan Dao. Shanwei Jiao	21 56-64 N 113 40-57 E	Fl W 5s	10	5 Metal framework 5	fl 1
P3521-01 CN, G103, 4358-05	- Dawanshan Dao. Mazui Jiao	21 55-62 N 113 42-92 E	Fl W 5s	8	5 Metal framework 4	fl 1
P3521-02 CN, G103, 4358-04	-- Wanshan Tou	21 56-81 N 113 44-74 E	Fl W 4s	15	5 Metal framework 4	fl 1
P3521-025 CN, G103, 4358-03	- Baili Dao. S	21 57-96 N 113 45-47 E	Fl(2)W 6s	30	5 White concrete column, red bands 5	
P3521-03 CN, G103, 4358-02	-- La Jiao	21 59-37 N 113 44-31 E	Fl(2)W 5s	12	5 Metal framework tower 6	fl 0-5, ec 1, fl 0-5, ec 3
P3521-04 CN, G103, 4358-011	- Dong'ao Wan	22 01-38 N 113 42-65 E	Fl W 4s	10	5 Concrete tower 8	
P3521-05 CN, G103, 4358-01	- Dong'ao Dao Dong'ao Wei	22 01-42 N 113 41-44 E	Fl W 3s	10	5 Metal framework tower 6	fl 1
P3521-08 CN, G103, 4357-8	- Huangmao Dao. Hou wan Zui	22 01-98 N 113 40-23 E	Fl W 5s	13	5 Metal framework tower 6	fl 1
ZHUJIANG KOU AND APPROACHES						
P3521-1 CN, G103, 4358	- Xiaoputai Dao	22 01-78 N 113 38-13 E	Fl W 9s	63	18 White square stone masonry pile 10	fl 0-5 ALRS Vol 2 Station 81270
P3521-13 CN, G103, 4284-5	- Datouzhou. S	22 05-69 N 113 42-28 E	Fl W 5s	22	5 Metal framework tower 4	fl 1
P3521-14 CN, G103, 4284-451 CN, G103, 4284-452 CN, G103, 4284-453	- Guishan W. Wind Tower. No 1, No 2, No 3	22 07-92 N 113 43-91 E	Mo(U)W 15s	10	5 Yellow post 1	3 identical light beacons mark the wind tower
P3521-15 CN, G103, 4284-4	- Chitan Dao. Chitan Tou	22 07-30 N 113 45-69 E	Fl W 3s	20	5 Metal framework tower 4	fl 1

South China and Eastern Archipelagic Seas — South China Sea — China

ZHUJIANG KOU AND APPROACHES - (contd)

P3521-18 CN, G103, 4283-2	- Sichiyan Jiao	22 08-65 N 113 46-57 E	FI(2)W 5s	21	^m 10	^M 8 on black concrete beacon, red band 10	Isolated danger beacon
P3521-185 CN, G103, 4284-31	- Guishan Dao. Zhongran. Oil Depot Pier. S	22 07-42 N 113 48-86 E	FR	8	5	White metal column, red bands 3	
P3521-186 CN, G103, 4284-32	--- N	22 07-59 N 113 48-74 E	FR	8	5	White metal column, red bands 3	
P3521-19 CN, G103, 4284-34	-- Oil Depot. Shugang Pier	22 07-81 N 113 48-83 E	QR	8	4	Red metal column 5	
P3521-2 CN, G103, 4284	--	22 08-10 N 113 48-83 E	FI W 5s	57	18	White round concrete tower 15	<i>fl 0-5</i>
P3521-25 CN, G103, 4283-08	- Shisanwan. N Breakwater Head	22 09-29 N 113 49-57 E	FI W 3s	11	5	White GRP tower 6	<i>fl 1</i>
P3521-3 CN, G103, 4285-1	- Shilong Jiao (Niutou Dao)	22 10-13 N 113 47-70 E	FI W 10s	37	13	White round brick tower 10	<i>fl 1-5</i>
P3521-306	- Qingsan Men. No 1, No 2	22 08-93 N 113 43-88 E	Mo(U)Y 15s	10	5	..	(T) 2013
P3521-308 CN, G103, 4358-5	- Qingzhou Shuidao. Qing Zhou	22 10-01 N 113 43-43 E	FI(2)W 6s	85	11	White concrete column 10	
	---	..	Racon	..	..	..	ALRS Vol 2 Station 81280
P3521-35 CN, G103, 4281-1	- Rongshutou Dao	22 10-76 N 113 47-73 E	FI W 8s	55	18	White square masonry structure 7	<i>fl 0-5</i>
P3521-37 CN, G103, 4286	- Dayu Haixia (Lantau Channel). GUI SHAN BEI Lt V	22 10-89 N 113 49-77 E	Mo(A)W 6s	..	..	Red hull	
	---	..	Racon	..	..	..	ALRS Vol 2 Station 81325
P3521-4 CN, G103, 4361-1	- MAYOU SHI Lt V	22 16-62 N 113 48-33 E	FI W 6s	..	11	Red hull, name painted on sides	<i>fl 0-5</i>
	--	..	Horn Mo(U) 30s	..	..	..	TD 2013
	--	..	Racon	..	..	..	ALRS Vol 2 Station 81320
	--	..	AIS	..	..	..	MMSI No 999413095
P3521-43 CN, G103, 4361-18	- Longgu West Fairway. XC1	22 17-26 N 113 48-75 E	FI(2)W 5s	5	5	Metal pile	
P3521-46 CN, G103, 4361-19	-- XC2	22 17-27 N 113 49-68 E	FI(2)W 5s	5	5	Metal pile	
P3521-54 CN, G103, 0215	ZHUJIANG KOU AND APPROACHES. HONG KONG - Datum Rock	22 16-28 N 114 03-83 E	QR	8	3	White concrete tower 6	
P3521-6 CN, G103, 0210	- Sunshine Island. N 200m	22 15-96 N 114 03-04 E	FI R 5s	5	3	White column 3	<i>fl 0-5</i>
P3521-66 CN, G103, 0214	ZHUJIANG KOU AND APPROACHES. HONG KONG. TAI YUE SHAN (LANTAU) - Comber Rock	22 17-48 N 114 01-69 E	QR	3	1-5	White column	
P3521-7	- Discovery Bay. Marina. Breakwater	22 17-48 N 114 01-49 E	FI G 3s	6	3	White column	
P3521-72	---	22 17-49 N 114 01-43 E	FI R 3s	6	3	White column	
P3521-8 CN, G103, 0209	- Silver Mine Bay Rock	22 15-77 N 114 01-21 E	Q W	8	4	White column 6	
P3521-83 CN, G103, 0208	- Silver Mine Bay	22 15-74 N 114 00-33 E	QR	6	2	White beacon	

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ZHUJIANG KOU AND APPROACHES. HONG KONG. TAI YUE SHAN (LANTAU) - (contd)

P3521-9	- Hei Ling Chau Island. Typhoon Shelter. N Breakwater. Head	22 15-19 N 114 01-64 E	FI R 3s	7	3	White column	
P3521-905	--- W Detached Breakwater. N End	22 15-12 N 114 01-61 E	FI G 3s	8	3	White column	
P3521-91	---- S End	22 14-47 N 114 01-90 E	FI R 3s	9	3	White column	
P3521-915	--- S Detached Breakwater. W End	22 14-35 N 114 01-82 E	FI G 3s	9	3	White column	
P3521-92	---- E End	22 14-53 N 114 02-33 E	FI R 3s	9	3	White column	
P3521-922 CN, G103, 0207-1	---	22 14-49 N 114 02-39 E	FI(2)W 10s	6	5	Black ♂ on black beacon, red band	
P3521-925	--- S Breakwater. Head	22 14-64 N 114 02-32 E	FI G 3s	9	3	White column	
P3521-93	---	22 14-65 N 114 02-20 E	FI(2)W 5s	6	1	White column	
P3522 CN, G103, 0206	- Adamasta Rock (CN:HK)	22 13-42 N 114 01-39 E	FI(2)W 10s	5	11	Black ♂ on black beacon, red band	
P3522-3 CN, G103, 0205	- Adamasta Channel. Chi Ma Wan. E	22 13-58 N 114 01-15 E	FI(4)W 15s	5	4	White metal tower	
P3523 CN, G103, 0202	- Cheung Chau. (Sham Shui Pai)	22 12-33 N 114 02-80 E	FI(2)W 10s	6	9	White concrete tower 6	<i>fl 0-5, ec 1, fl 0-5, ec 8</i>
P3523-2 CN, G103, 0200	-- Typhoon Shelter. 1	22 12-70 N 114 01-36 E	FI G 3s	7	4-5	White column 4	
P3523-22 CN, G103, 0199	--- 2	22 12-58 N 114 01-31 E	FI R 3s	7	4-5	White column 4	
P3523-23 CN, G103, 0198	--- 3	22 12-57 N 114 01-23 E	FI G 3s	7	4-5	White column 4	
P3523-24 CN, G103, 0197	--- 4	22 12-41 N 114 01-30 E	FI R 3s	7	4-5	White column 4	
P3523-25 CN, G103, 0196	--- 5	22 12-41 N 114 01-25 E	FI G 3s	7	4-5	White column 4	
P3523-26 CN, G103, 0195	--- 6	22 12-12 N 114 01-11 E	FI R 3s	7	4-5	White column 4	R lights on beacons mark a fairway within the shelter
P3523-3 CN, G103, 4282-05	ZHUJIANG KOU AND APPROACHES. WAILINGDING DAO - Shiyong Wan	22 06-39 N 114 01-82 E	FI W 8s	17	5	Metal column 6	<i>fl 1</i>
P3523-31 CN, G103, 4282-065	- Xipai Jiao	22 06-65 N 114 03-26 E	FI(2)W 5s	4	4	♂ on black post, red band 2	Isolated danger mark
P3523-32 CN, G103, 4282-0605	- Dai Jiao	22 05-38 N 114 02-82 E	FI W 6s	5	4	White metal post, red bands 3	
P3523-33 CN, G103, 4282-06	- Wailingding Gang	22 06-17 N 114 01-46 E	FI W 4s	10	5	Metal column 6	<i>fl 1</i>
P3523-38 CN, G103, 4282-07	ZHUJIANG KOU AND APPROACHES. AIZHOU LIEDAO - Toulou Zhou	22 04-24 N 113 56-44 E	FI W 6s	21	5	Metal framework tower 5	<i>fl 1</i>
P3523-4 CN, G103, 0193	ZHUJIANG KOU AND APPROACHES. HONG KONG. TAI YUE SHAN (LANTAU) - Shek Kwu Chau. N Side	22 12-12 N 113 59-24 E	FI(3)W 10s	14	7	White square concrete tower 5	<i>(fl 0-5, ec 1-5) x 2, fl 0-5, ec 5-5.</i> Y048.5°-274°(225.5°)

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ZHUJIANG KOU AND APPROACHES. HONG KONG. TAI YUE SHAN (LANTAU) - (contd)

P3523-5 CN, G103, 4284-1	- Zhizhou Liedao, Dazhi Zhou, Yinjiao Zui	22 07-67 N 113 53-37 E	Fl W 6s	14	5	Metal framework tower 5	fl 1
P3523-53 CN, G103, 4284-15	- Xiaozhi Zhou	22 06-83 N 113 52-07 E	Fl W 3s	67	18	White concrete column, red bands 15	fl 0-1
P3523-55 CN, G103, 4284-2	- Zhenxiang Dao	22 07-22 N 113 50-14 E	Fl W 8s	21	5	Metal framework tower 5	fl 1
P3523-58 CN, G103, 4284-3	- Guishan Dao, Dilong Jiao	22 07-26 N 113 49-41 E	Fl W 4s	20	5	Metal framework tower 6	fl 1
P3523-6 CN, G103, 0189	- Soko Islands, Tai a Chau	22 09-40 N 113 54-19 E	Fl(4)W 15s	30	9	White concrete tower 4	fl 0-4, ec 1) x 3, fl 0-4, ec 10-4
P3523-8 CN, G103, 0191	- - Siu A Chau, NW Point	22 11-26 N 113 54-40 E	Fl(2)W 6s	27	7	White concrete tower	fl 0-3, ec 2, fl 0-3, ec 3-4
P3524 CN, G103, 0188	- Fan Lau Kok	22 11-75 N 113 50-75 E	Fl W 5s	20	14	White square concrete tower 6	fl 0-5, W261°-154°(253°)
P3524-5 CN, G103, 0257-1	- Wong Fa Pai	22 14-02 N 113 49-81 E	Fl(3)W 15s	7	5	White column	
ZHUJIANG KOU AND APPROACHES. HONG KONG. LANTAU ISLAND							
P3524-8	- Tai O	22 15-07 N 113 51-22 E	Q(9)W 15s	5	4	Σ on yellow beacon, black band	
P3524-81	-- 1	22 14-83 N 113 51-42 E	Fl G 3s	5	3	White column	
P3524-82	-- 2	22 14-86 N 113 51-48 E	Fl R 3s	5	3	White column	
P3524-83	-- 3	22 15-13 N 113 51-45 E	Fl G 3s	8	3	White column	
P3524-84	-- 4	22 15-19 N 113 51-46 E	Fl R 3s	5	3	White column	
ZHUJIANG KOU AND APPROACHES. HONG KONG							
P3525-15	- Sha Lo Wan	22 17-53 N 113 53-84 E	Q W	5	3	Δ on yellow beacon, black top	
P3525-24	- Hong Kong International Airport. Detached Breakwater. S Head	22 18-20 N 113 53-80 E	Fl R 3s	7	3		
P3525-25	--- N Head	22 18-37 N 113 53-72 E	Fl G 3s	7	3		
P3525-3	-- Pier. Head	22 19-17 N 113 56-75 E	Fl G 3s	5	3		
P3525-5 CN, G103, 0256	- Sha Chau	22 20-47 N 113 53-43 E	Fl(4)W 10s	29	10	White concrete structure	
P3525-6	-- Urmston Road	22 21-05 N 113 53-39 E	Dir Oc W 10s	7	3	White column	W262°-264°(2°)
P3526 CN, G103, 0254	- Lung Kwu Chau	22 22-83 N 113 52-68 E	Fl W 5s	53	15	White square concrete tower 4	fl 0-4
P3526-2	- Black Point (Lan Kok Tsui) (CN:HK)	22 24-39 N 113 54-33 E	Fl(3)W 10s	131	15	White structure	
P3526-25 CN, G103, 0251-1	- Urmston Road, Black Point Power Station (CN:HK)	22 24-64 N 113 54-17 E	Q(9)W 15s	4	2	Σ on yellow beacon, black band	

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ZHUJIANG KOU AND APPROACHES. NEILINGDING DAO

P3526-5 CN, G103, 4365-11	- Niuli Jiao	22 25-00 N 113 46-93 E	Fl(2)W 5s	14	12	White triangular, masonry structure on 6-sided base 11	fl 0-5, ec 1, fl 0-5, ec 3
ZHUJIANG KOU AND APPROACHES. HONG KONG. SHENZHEN WAN							
P3526-6	- Nim Wan, No 1	22 25-29 N 113 54-82 E	Fl G 3s	9	2	Green metal pile	Ra refl
P3526-61	-- No 2	22 25-33 N 113 54-78 E	Fl R 3s	6	2	Red metal pile	Ra refl
P3526-62	-- No 4	22 25-41 N 113 55-08 E	Fl R 3s	6	2	Red metal pile	Ra refl
P3526-63	-- No 6	22 25-48 N 113 55-37 E	Fl R 3s	6	2	Red metal pile	Ra refl
P3526-64	-- No 8	22 25-48 N 113 55-58 E	Fl R 3s	6	2	Red metal pile	Ra refl
P3526-65	-- No 10	22 25-56 N 113 55-82 E	Fl R 3s	6	2	Red metal pile	Ra refl
P3526-66	-- No 12	22 25-55 N 113 55-94 E	Fl R 3s	6	2	Red metal pile	
P3526-67	-- No 14	22 25-61 N 113 56-11 E	Fl R 3s	7	2	Red metal pile	
P3526-68	-- No 16	22 25-70 N 113 56-18 E	Fl R 3s	9	2	Red metal pile	
P3526-8	--	22 25-75 N 113 55-31 E	Q R	3	2	White concrete tripod	
P3526-9	- Lau Fau Shan, No 83	22 28-34 N 113 56-87 E	Fl W 3s	6	5	White column	fl 0-3
P3526-92	- Shenzhen Corridor, Bridge W. A	22 28-55 N 113 57-37 E	Q R	31	3		
P3526-921	--- D	22 28-54 N 113 57-36 E	Q R	31	3		
P3526-93	--- B	22 28-52 N 113 57-40 E	Iso W 4s	32	3		
P3526-931	--- E	22 28-51 N 113 57-39 E	Iso W 4s	32	3		
P3526-94	--- C	22 28-49 N 113 57-43 E	Q G	32	3		
P3526-941	--- F	22 28-48 N 113 57-42 E	Q G	32	3		
P3526-95	--- Pier 1	22 28-56 N 113 57-36 E	F R	5	1.5	White column	
P3526-951	--- Pier 3	22 28-55 N 113 57-35 E	F R	5	1.5	White column	
P3526-96	--- Pier 2	22 28-48 N 113 57-45 E	F R	5	1.5	White column	
P3526-961	--- Pier 4	22 28-46 N 113 57-43 E	F R	5	1.5	White column	
P3527	- Shek Kwong Wai	22 28-56 N 113 57-74 E	Q R	3	2	Dolphin	
ZHUJIANG KOU AND APPROACHES. HONG KONG. HAU HOI WAN							
P3527-05 CN, G103, 4334	- Nam Shan Po (CN:HK)	22 30-61 N 113 59-70 E	Fl(2)W 6s	6	5	White concrete tower	
P3527-1	- Shenzhen Hekou, No 1	22 30-73 N 113 59-67 E	Fl(2)R 6s	6	10	Red □ on red metal pole	

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ZHUJIANG KOU AND APPROACHES. HONG KONG. HAU HOI WAN — Shenzhen Hekou - (contd)

P3527-14	-- No 2	22 30-08 N 114 00-70 E	Fl(2)R 6s	5	2	Red \square on red column 7	
P3527-16	-- No 4	22 30-39 N 114 02-19 E	Fl(2)R 6s	6	2	Red \square on red metal pole 8	
P3527-24	- Deep Bay. 6	22 30-35 N 114 01-52 E	Q R	3	2	White pile	
P3527-28	-- 5	22 29-98 N 114 00-66 E	Q R	3	2	White pile	
P3527-3	-- 1	22 29-09 N 114 00-85 E	Q R	3	2	White pile	
P3527-32	-- 2	22 28-85 N 114 01-11 E	Q R	3	2	White pile	Ra refl
P3527-34	-- 3	22 29-03 N 114 01-47 E	Q R	3	2	White pile	
P3527-36	-- 4	22 28-88 N 114 01-69 E	Q R	3	2	White pile	
ZHUJIANG KOU AND APPROACHES. HONG KONG							
P3527-4	- Tuen Mun River Trade Terminal. 2	22 21-56 N 113 56-25 E	Fl R 3s	6	3	White column	
P3527-5	-- 1	22 21-68 N 113 56-29 E	Fl G 3s	7	3	White column	
P3527-51	-- 4	22 21-57 N 113 56-57 E	Fl R 3s	7	3	White column	
P3527-52	--	22 21-76 N 113 56-50 E	Fl R 3s	7	3		
P3527-6	- Tsing Shan Wan (Castle Peak Bay). Butterfly Beach (CN:HK)	22 22-23 N 113 57-68 E	Q R	5	3	White concrete tripod 4	
P3527-66	- Tuen Mun. Typhoon Shelter. 4	22 22-25 N 113 58-44 E	Fl R 3s	7	3	White column 4	
P3527-7	--- 3	22 22-33 N 113 58-41 E	Fl G 3s	7	2	White column 4	
P3527-72	--- 2	22 22-38 N 113 58-64 E	Fl R 3s	7	3	White column 4	
P3527-73	--- 1	22 22-44 N 113 58-65 E	Fl G 3s	7	2	White column 4	
ZHUJIANG KOU AND APPROACHES. HONG KONG. TSING SHAN WAN (CASTLE PEAK BAY)							
P3527-74	- Pearl Island	22 21-85 N 113 59-15 E	Q R	3	1.5	White column 2	
ZHUJIANG KOU AND APPROACHES. HONG KONG							
P3527-8	- Lung Chue To. Hong Kong Gold Coast Marina. Entrance	22 22-02 N 113 59-35 E	Fl R 3s	3	3	White concrete column	
P3527-82	----	22 21-98 N 113 59-38 E	Fl G 3s	3	3	White concrete column	
P3527-84	----	22 22-05 N 113 59-43 E	Fl R 3s	3	3	White concrete column	
P3527-86	----	22 22-06 N 113 59-51 E	Fl G 3s	3	3	White concrete column	
ZHUJIANG KOU AND APPROACHES. HONG KONG. TAI YUE SHAN (LANTAU)							
P3527-88	-	22 17-64 N 113 56-33 E	Q G	Piles	
P3527-885	-	22 17-66 N 113 56-36 E	Q R	Piles	

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ZHUJIANG KOU AND APPROACHES. HONG KONG. TAI YUE SHAN (LANTAU) - (contd)

P3527-9	- Siu Ho Wan (Dayu Shan)	22 18-83 N 113 59-62 E	Q W	2	3	Δ on yellow beacon, black top	
P3528	- Luk Keng	22 20-17 N 114 01-34 E	Fl(2)W 6s	15	6	White concrete tower 4	fl 0-5, ec 1, fl 0-5, ec 4. W334°-289-5°(315-5°)
ZHUJIANG KOU AND APPROACHES. HONG KONG							
P3529	- Ha Pang	22 21-35 N 114 01-88 E	Oc WG 3s	8	W11 G 9	White concrete tower	ec 0-7. G265°-305°(40°), W305°-265°(320°)
P3529-3	-- Traffic light	22 21-33 N 114 01-79 E	3 Oc R(vert) 8s	14	2	White framework tower	R330°-090°(120°). Traffic Signals
P3529-5	- Ma Wan. NW extremity. Traffic light	22 21-31 N 114 03-39 E	3 Oc R(vert) 8s	13	2	White framework tower	R053°-091°(38°). 2m apart. Traffic Signals
P3530	-- W Point. Ma Kok Tsui	22 20-92 N 114 03-25 E	Fl W 3s	15	10	White framework tower 8	fl 1-4
P3530-6	-- Tang Lung Chau. S Summit	22 20-38 N 114 03-79 E	Fl W 5s	36	18 12	White framework tower	fl 1. W224°-099°(235°)
----	..	..	Horn 15s	..	..	..	bl 2
P3530-8	- Kap Shui Mun Bridge	22 20-61 N 114 03-29 E	2 Iso W 4s	53	5	..	Each mark centre of Fairway N and S
--	..	..	2 Q R	..	..	..	Each mark W limit of Fairway N and S
--	..	..	2 Q G	..	..	..	Each mark E limit of Fairway N and S
P3530-9	- Tsing Ma Bridge	22 21-09 N 114 04-50 E	2 Iso W 4s	69	5	..	Each mark centre of Fairway N and S
--	..	..	2 Q R	..	..	..	Each mark W limit of Fairway N and S
--	..	..	2 Q G	..	..	..	Each mark E limit of Fairway N and S
P3531	- Pun Shan Shek	22 19-30 N 114 04-09 E	Fl R 3s	7	5	White concrete tower 10	
P3531-3	- Discovery Bay. (Wu Ying Pai)	22 18-23 N 114 02-16 E	Fl(2)W 10s	5	3	White column 4	
P3531-5	-- Dabai Wan	22 18-02 N 114 01-80 E	Q R	5	1	White column 4	
P3532	- Lan Pai	22 21-35 N 114 04-02 E	Fl(2)W 10s	8	5	White concrete column	
P3532-2	- Gemini Point. Directional Light	22 21-83 N 114 04-24 E	Dir Oc WRG 8s	28	W 8 R 4 G 4	White metal framework tower	ec 2. Oc G335°-338°(3°). Oc W338°-342°(4°). Oc R342°-345°(3°). Traffic signals
P3532-25	- Hoi Mei Wan	22 21-97 N 114 04-39 E	3 Oc R(vert) 8s	13	2	White framework tower	R255°-015°(120°)
P3532-3	- Ma Wan. NE extremity. Ngau Lan Tsui	22 21-32 N 114 03-88 E	LFI WYRG 6s	28	W 5 Y 4 R 3 G 3	White framework tower	fl 2. Y091°-158°(67°), R158°-213°(55°), G213°-258°(45°), R258°-286°(28°), W286°-321°(35°). Shown when vessel constrained by draught is transitting Ma Wan Channel
ZHUJIANG KOU AND APPROACHES. HONG KONG. RAMBLER CHANNEL							
P3534	- Rocks	22 21-49 N 114 06-69 E	Fl W 5s	4	6	White concrete tower 4	fl 0-5
P3534-2	- Typhoon Shelter. N Entrance. N Side	22 21-56 N 114 06-73 E	Fl R 3s	5	3	White column	
P3534-22	--- S End	22 21-52 N 114 06-72 E	Fl G 3s	7	3	White column	
P3534-24	-- S Entrance. N End	22 21-24 N 114 06-87 E	Fl R 3s	6	3	White column	fl 0-5

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ZHUJIANG KOU AND APPROACHES. HONG KONG. RAMBLER CHANNEL — Typhoon Shelter. S Entrance - (contd)

				m	M		
P3534-3 CN, G103, 0117	--- S End	22 21-18 N 114 06-86 E	FI G 3s	6	3	White column	<i>fl 0-5</i>
P3535-4	- Tsing Yi Bridge. W Passage. W Side	22 20-91 N 114 06-78 E	Q R	22	5		
P3535-42	--- Centre	22 20-91 N 114 06-79 E	Iso W 4s	22	5		
P3535-5	--- E Side	22 20-92 N 114 06-81 E	Q G	22	5		
P3535-66	- Kwai Tsing Bridge. E Passage. W Side	22 20-90 N 114 06-85 E	Q R	24	5	On bridge, facing south	
P3535-662	--- Centre	22 20-91 N 114 06-87 E	Iso W 4s	24	5	On bridge, facing south	
P3535-664	--- E Side	22 20-91 N 114 06-89 E	Q G	23	5	On bridge, facing south	
P3535-666 CN, G103, 0129	- Tsing Yi Bridge. Southward. W Rock	22 20-87 N 114 06-77 E	F R	6	1.5	White column	
P3535-668 CN, G103, 0130	--- E Rock	22 20-88 N 114 06-84 E	F R	6	1.5	White column	
P3535-7	- Cheung Tsing Bridge. W Passage. W Side	22 20-95 N 114 06-76 E	Q R	23	3		
P3535-72	--- Centre	22 20-96 N 114 06-77 E	Iso W 4s	24	3		
P3535-74	--- E Side	22 20-96 N 114 06-79 E	Q G	25	3		
P3535-76	-- E Passage. W Side	22 20-96 N 114 06-83 E	Q R	26	3		
P3535-78	--- Centre	22 20-97 N 114 06-84 E	Iso W 4s	26	3		
P3535-8	--- E Side	22 20-97 N 114 06-86 E	Q G	26	3		
P3535-9	- Tsing Lai Bridge. W passage. W Side	22 21-47 N 114 06-60 E	Q R	17	3		
P3535-91	--- Centre	22 21-46 N 114 06-61 E	Iso W 4s	18	3		
P3535-92	--- E Side	22 21-45 N 114 06-63 E	Q G	19	3		
P3535-93	-- E passage. W Side	22 21-44 N 114 06-66 E	Q R	20	3		
P3535-94	--- Centre	22 21-43 N 114 06-68 E	Iso W 4s	21	3		
P3535-95	--- E Side	22 21-42 N 114 06-70 E	Q G	22	3		
P3536 CN, G103, 0122-1	- Tsing Tsuen Bridge. W Rock	22 21-62 N 114 06-56 E	F R	4	1	White column 3	
P3536-2 CN, G103, 0125-1	-- E Rock	22 21-64 N 114 06-66 E	F R	4	1	White column 3	
P3536-4 CN, G103, 0123 CN, G103, 0124	-- W End	22 21-59 N 114 06-58 E	Q R	26	5	Bridge span	1 on each side
P3536-5 CN, G103, 0125	-- Centre	22 21-60 N 114 06-62 E	Iso W 4s	27	7	Bridge span	1 on each side
P3536-6 CN, G103, 0127 CN, G103, 0128	-- E End	22 21-60 N 114 06-65 E	Q G	26	7	Bridge span	1 on each side

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ZHUJIANG KOU AND APPROACHES. HONG KONG. RAMBLER CHANNEL - (contd)

				m	M		
P3536-7	- Ting Kau Bridge. Navigable Channel S end W side	22 21-62 N 114 04-89 E	Q R	65	5		
P3536-72	-- Navigable Channel Centre W side	22 21-70 N 114 04-85 E	Iso W 4s	67	5		
P3536-74	-- Navigable Channel N end W side	22 21-77 N 114 04-81 E	Q G	69	5		
P3536-76	-- Navigable Channel S end E side	22 21-63 N 114 04-91 E	Q R	65	5		
P3536-78	-- Navigable Channel Centre E side	22 21-71 N 114 04-87 E	Iso W 4s	67	5		
P3536-8	-- Navigable Channel N end E side	22 21-78 N 114 04-83 E	Q G	69	5		
ZHUJIANG KOU AND APPROACHES. HONG KONG							
P3537-4	- Tsing Yi. S. No 1	22 19-65 N 114 06-76 E	FI G 3s	7	3	White column	
P3537-41	--- No 2	22 19-61 N 114 06-70 E	FI R 3s	7	3	White column	
ZHUJIANG KOU AND APPROACHES. HONG KONG. HONG KONG HARBOUR							
P3537-431	- Stonecutter's Bridge. S Side. A	22 19-38 N 114 07-31 E	Q G	75	4	On bridge	
P3537-432	--- B	22 19-53 N 114 07-11 E	Iso W 4s	82	4	On bridge	
P3537-433	--- C	22 19-69 N 114 06-91 E	Q R	76	4	On bridge	
P3537-434	-- N Side. D	22 19-40 N 114 07-33 E	Q G	75	4	On bridge	
P3537-435	--- E	22 19-55 N 114 07-12 E	Iso W 4s	82	4	On bridge	
P3537-436	--- F	22 19-71 N 114 06-92 E	Q R	76	4	On bridge	
ZHUJIANG KOU AND APPROACHES. HONG KONG							
P3537-6 CN, G103, 0218	- Kau Yi Chau. Lie Yue Mun. NE	22 17-21 N 114 04-78 E	FI(2)WR 6s	9	W11 R 8	White concrete framework tower	<i>fl 0-5, ec 1, fl 0-5, ec 4.</i> W081°-092°(11°), R092°-128°(36°), W128°-350°(222°)
P3537-7 CN, G103, 0216	-- S	22 16-93 N 114 04-64 E	FI(3)W 20s	7	3	White concrete structure 5	
P3537-8	- Hong Kong Island. W Side. Pier. Head (Kong Sin Wan. Telegraph Bay)	22 15-83 N 114 07-54 E	Q Y	5	1	Yellow x on yellow post on concrete column	
ZHUJIANG KOU AND APPROACHES. HONG KONG. HONG KONG HARBOUR							
P3538 CN, G103, 0185	- Green Island. SW	22 17-02 N 114 06-67 E	FI W 10s	36	16	White round tower 18	<i>fl 0-4.</i> W277°-186°(269°)
P3540-7 CN, G103, 0105-1	- Stone Cutters Island Naval Base. Ldg Lts 350°. Front	22 19-17 N 114 08-03 E	Q W	24	3	□ on black and white beacon	
P3540-75 CN, G103, 0105-11	--- Rear	22 19-21 N 114 08-02 E	Iso W 3s	29	3	□ on black and white beacon	
P3540-8	-- E Pier	22 18-87 N 114 08-11 E	FI G 3s	6	3		
P3540-85 CN, G103, 0105-12	-- W Pier. Entrance	22 18-86 N 114 08-06 E	FI R 3s	6	3		
P3540-9 CN, G103, 0105-14	--- Head	22 18-82 N 114 08-05 E	Q R	6	1		
P3541	-- Typhoon Shelter. GD2	22 19-46 N 114 08-68 E	FI R 3s	7	2	White column 4	

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ZHUJIANG KOU AND APPROACHES. HONG KONG. HONG KONG HARBOUR — Stone Cutters Island Naval Base. Typhoon Shelter. (contd)

				m	M	
P3541-3	--- GD1	22 19-49 N 114 08-62 E	FI G 3s	7	3	White column
P3545-5	- Yau Ma Tei. Typhoon Shelter. N Entrance. N	22 18-95 N 114 09-30 E	FI R 3s	8	3	White column
P3545-55	---- S	22 18-87 N 114 09-25 E	FI G 3s	8	3	White column
P3545-7	--- S Entrance. N	22 18-36 N 114 09-34 E	FI R 3s	8	3	White column
P3545-75	---- S	22 18-29 N 114 09-26 E	FI G 3s	7	3	White column
P3548	- Kowloon. China Ferry Terminal. 2. N Breakwater. Head (CN:HK)	22 18-04 N 114 09-95 E	FI R 3s	7	3	White tubular column
P3548-2	--- 3. Detached Breakwater. N Head (CN:HK)	22 18-01 N 114 09-95 E	FI G 3s	8	3	White column
P3548-3	--- 4. S Head (CN:HK)	22 17-98 N 114 09-95 E	FI R 3s	8	3	White column
P3551	- Wan Chai Public Cargo Working Area. No 1	22 17-06 N 114 10-86 E	FI G 3s	7	3	White metal column fl 0-3
P3551-2	-- E Breakwater. Head. No 4	22 17-07 N 114 10-89 E	F R	7	3	White column
P3551-4	--- Off Head. No 2	22 17-07 N 114 10-88 E	FI R 3s	7	5	White concrete tower
P3553	- Causeway Bay. Typhoon Shelter. W Entrance. E	22 17-14 N 114 10-98 E	FI R 3s	5	3	White column 4 fl 0-5
P3553-3	---- W	22 17-13 N 114 10-94 E	FI G 3s	6	3	White concrete column 4
P3553-6	--- E Entrance	22 17-28 N 114 11-25 E	FI R 3s	5	3	White column 4
P3556	- Hung Hom. Fairway D. Prohibited Anchorage. NE Corner	22 18-50 N 114 11-63 E	F R	..	..	◇ on beacon
P3556-3	-- Fairway A. Prohibited Anchorage. NW Corner	22 18-23 N 114 11-56 E	F R	..	..	◇ on beacon
P3556-4	--	22 18-32 N 114 11-61 E	F R	..	..	Dolphin
P3556-5	--	22 18-34 N 114 11-62 E	F R	..	..	Dolphin
P3560-5	- Kowloon Bay. To Kwa Wan Typhoon Shelter. S Detached Breakwater. E End	22 18-72 N 114 12-07 E	FI R 3s	7	3	White column
P3560-55	---- W End	22 18-59 N 114 11-79 E	FI G 3s	7	3	White column
P3560-6	--- N Detached Breakwater. S End	22 18-69 N 114 11-79 E	FI R 3s	7	3	White column
P3560-65	---- N end	22 18-85 N 114 11-68 E	FI G 3s	7	3	White structure
P3562-5	- KOWLOON BAY. Kwun Tong Typhoon Shelter. Breakwater	22 18-35 N 114 13-18 E	FI R 3s	7	3	White column

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ZHUJIANG KOU AND APPROACHES. HONG KONG. HONG KONG HARBOUR — KOWLOON BAY. Kwun Tong Typhoon Shelter. Breakwater - (contd)

				m	M	
P3562-55	---- W End	22 18-32 N 114 13-05 E	F R	7	3	White column
P3562-6	-- 1. Kwun Tong Typhoon Shelter. Breakwater	22 18-41 N 114 13-13 E	FI G 3s	7	3	White column
P3566	- Sam Ka Tsuen Typhoon Shelter. E	22 17-38 N 114 14-26 E	FI G 3s	8	3	White column 5
P3567	-- Jiu Wan Breakwater. Head	22 17-41 N 114 14-23 E	FI R 3s	8	3	White column 6 fl 0-3
P3568	- Lei Yue Mun. NW	22 17-28 N 114 14-19 E	FI G 3s	9	5	Green column
P3569	--	22 17-55 N 114 13-90 E	Q R	5	1-5	White concrete structure Ra refl
P3570	- South Lei Yue Mun	22 17-07 N 114 14-07 E	FI R 5s	11	11	Red concrete tripod fl 0-4
P3571-5	- Shau Kei Wan. Typhoon Shelter. 2	22 17-17 N 114 13-67 E	FI R 3s	7	3	White column
P3571-51	--- 5	22 17-09 N 114 13-56 E	Q R	4	1	White column
P3571-52	--- Dolphin E	22 17-04 N 114 14-01 E	FI(2)W 10s	5	3	White structure
P3571-53	--- 1	22 17-15 N 114 13-64 E	FI G 3s	7	3	White column
P3571-55	--- 3	22 17-14 N 114 13-74 E	FI G 3s	7	3	White column
P3571-58	--- 4	22 17-10 N 114 13-64 E	FI R 3s	7	3	White column
ZHUJIANG KOU AND APPROACHES. HONG KONG. CHAI WAN						
P3571-72	- 1	22 16-36 N 114 14-66 E	FI G 3s	6	3	White column
P3571-8	- 2	22 16-42 N 114 14-70 E	FI R 3s	6	3	White column
ZHUJIANG KOU AND APPROACHES. HONG KONG. LAM TONG HOI HAP (TATHONG CHANNEL)						
P3572	- Hak Kok Tau. Cape Collinson	22 15-69 N 114 15-42 E	FI(2)WR 10s	50	W15 R12	Metal column on white dwelling 6 fl 0-8, ec 1-5, fl 0-8, ec 6-9. W158°-338.5°(180.5°), R338.5°-158°(179.5°)
P3573	- Fat Tong Chau	22 16-45 N 114 15-95 E	FI(3)W 6s	20	9	White concrete tower fl 0-5, ec 1) x 2, fl 0-5, ec 2-5
P3573-3	- Tseung Kwan. O1	22 16-42 N 114 15-96 E	Q R	5	1	White post
P3573-32	-- O2	22 16-44 N 114 16-01 E	FI R 3s	5	3	White post
P3573-34	-- O3	22 16-33 N 114 16-08 E	FI G 3s	5	3	White post
P3573-36	-- O4	22 15-77 N 114 16-44 E	Q R	6	1	White post
P3573-6	- Nga Ying Pai	22 14-56 N 114 16-84 E	FI W 1-5s	12	6	White concrete tower fl 0-3
P3574	- Tathong Point. Tung Lung Chau	22 14-30 N 114 17-32 E	FI(3)WR 10s	55	W19 R10	White pedestal 2 fl 1, ec 1-5) x 2, fl 1, ec 4. R237°-264.5°(27.5°) over Kwau Chau Kwan To (Ninepin group), W264.5°-137.5°(233°)
	---	..	Horn(3) 60s	..	..	(bl 5, si 5) x 2, bl 5, si 35
P3574-5	- Tung Lung. Fat Tong Mun	22 15-52 N 114 17-77 E	FI W 5s	9	3	White concrete tower

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ZHUJIANG KOU AND APPROACHES. HONG KONG. LAM TONG HOI HAP (TATHONG CHANNEL) - (contd)

P3575	- Joss House Bay. Nam Tong. Jetty. Head	22 15-29 N 114 17-32 E	QR	^m 6	^M 1	Galvanised column 4	
P3575-4 CN, G103, 0046	- Tai Long Pai	22 14-04 N 114 15-98 E	Fl(4)R 15s	14	5	Red and white chequered concrete tripod	(fl 0-3, ec 1) x 3, fl 0-3, ec 10-8. Ra refl
ZHUJIANG KOU AND APPROACHES. HONG KONG							
P3575-6 CN, G103, 0036	- North Ninepin Island	22 16-23 N 114 21-00 E	Fl WR 10s	44	W10 R 7	White square concrete tower 5	fl 1. W058°-5'-212°(153°-5'), R212°-299°-5'(87°-5')
P3575-8 CN, G103, 0037	- Clear Water Bay	22 16-18 N 114 18-25 E	Fl G 3s	12	3	White column	
P3576 CN, G103, 0045	- Cape d'Aguilar	22 12-54 N 114 15-55 E	Fl W 15s	57	20	White concrete tower 8	fl 1
P3576-6 CN, G103, 0140	- Po Toi Island. SW Point	22 09-42 N 114 15-47 E	Fl W 10s	67	18	White square building	
P3576-8 CN, G103, 0141	- Beaufort Island. NW Corner	22 11-27 N 114 14-65 E	Fl WR 3s	37	W10 R 8	White concrete tower 8	fl 0-5. R000°-034°(34°), W034°-000°(326°) except where obscured by land
P3577 CN, G103, 0144	- Wong Ma Kok (Bluff Head)	22 11-71 N 114 12-84 E	Fl(5)W 30s	67	20	White square building 3	
ZHUJIANG KOU AND APPROACHES. HONG KONG. EAST LAMMA CHANNEL							
P3577-1 CN, G103, 0152	- Ngan Chau. Round Island. S Point	22 12-85 N 114 11-11 E	AIFL WRW 10s	28	W11 R 8	White square building 4	W fl 0-1, ec 1-6, R fl 0-1, ec 1-6, W fl 0-1, ec 6-5
ZHUJIANG KOU AND APPROACHES. HONG KONG. POK LIU CHAU (LAMMA ISLAND)							
P3577-2 CN, G103, 0164	- Yuen Kok	22 10-90 N 114 08-95 E	Fl W 5s	35	10	White concrete tower 4	fl 0-5
P3577-3	- South-westward. Wind Monitoring Station	22 09-20 N 114 05-97 E	Mo(U)W 15s	..	13		
	---	..	Horn Mo(U) 15s				
P3577-4 CN, G103, 0164-1	- Wong Chuk Kok	22 12-52 N 114 09-60 E	Fl(4)W 20s	27	10	White concrete tower 4	(fl 0-2, ec 3-1) x 3, fl 0-2, ec 9-9
P3577-44 CN, G103, 0170	- Pak Kok	22 14-33 N 114 07-29 E	Fl W 5s	13	6	White concrete tower	fl 0-5. W122°-315°(193°)
P3577-46 CN, G103, 0180	- Shek Kok Tsui	22 14-11 N 114 06-26 E	Fl(3)W 15s	12	10	White concrete tower	
P3577-5 CN, G103, 0179	- O Tsai Pai	22 13-68 N 114 06-41 E	Q W	3	1	White metal column	
ZHUJIANG KOU AND APPROACHES. HONG KONG. ABERDEEN HARBOUR APPROACHES							
P3577-6 CN, G103, 0160	- Magazine Island	22 14-61 N 114 08-28 E	Fl W 1-5s	8	5	White concrete tower 11	
P3577-64 CN, G103, 0161	- Lung Shan Pai	22 14-46 N 114 08-59 E	Fl(3)W 6s	7	7	White concrete tower 6	(fl 0-5, ec 1) x 2, fl 0-5, ec 2-5
ZHUJIANG KOU AND APPROACHES. HONG KONG. HEUNG KONG TSAI HOI HAP (ABERDEEN CHANNEL). APPROACHES (CN:HK)							
P3577-68 CN, G103, 0156	- Ap Lei Pai	22 13-74 N 114 09-69 E	Fl W 15s	8	5	White concrete tower	fl 1
ZHUJIANG KOU AND APPROACHES. HONG KONG. HEUNG KONG TSAI WAN (ABERDEEN HARBOUR) (CN:HK)							
P3577-7 CN, G103, 0159	- Western Breakwater. Head	22 14-74 N 114 08-69 E	Fl R 3s	6	3	White column 3	fl 0-3
ZHUJIANG KOU AND APPROACHES. HONG KONG. HEUNG KONG TSAI HOI HAP (ABERDEEN CHANNEL)							
P3577-8 CN, G103, 0157	- Aberdeen South Typhoon Shelter. Breakwater. W Side (CN:HK)	22 14-18 N 114 09-78 E	Fl R 3s	6	3	White column 3	fl 0-3
P3577-84 CN, G103, 0158	- - - E Side (CN:HK)	22 14-28 N 114 09-77 E	Fl G 3s	6	3	White column 3	fl 0-3

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ZHUJIANG KOU AND APPROACHES. HONG KONG. HEUNG KONG TSAI HOI HAP (ABERDEEN CHANNEL) — Aberdeen South Typhoon Shelter - (contd)

P3577-86	-- Wong Nei Pai	22 14-49 N 114 09-69 E	Fl(2)W 5s	^m 4	^M 5	White metal column	
ZHUJIANG KOU AND APPROACHES. HONG KONG. WAGLAN ISLAND							
P3578 CN, G103, 0137	- Waglan	22 10-91 N 114 18-18 E	Fl(2)W 20s	68	24	White round metal tower with red bands 16	fl 0-5, ec 3, fl 0-5, ec 16. W112°-095°(343°). Also shown by day when the fog signal is operating
	--	..	Horn(2) 60s	..	..	White dwelling	bl 2, si 4, bl 2, si 52
	--	..	Racon	..	..	..	ALRS Vol 2 Station 81330
ZHUJIANG KOU AND APPROACHES. HONG KONG. TAI PANG WAN (MIRS BAY)							
P3578-3 CN, G103, 0022	- Shek Ngau Chau (Gau Tau)	22 27-96 N 114 25-67 E	Fl W 4s	25	12	White square concrete tower	fl 0-5
P3578-4 CN, G103, 0010	- Wong Mau Chau (South Gau)	22 26-91 N 114 23-68 E	Fl R 5s	22	5	White square concrete tower 5	
P3578-45	- Nanao. Yantian Harbour	22 32-06 N 114 29-09 E	Fl W 4s	4	3	Red and white post 2	
P3578-48 CN, G103, 4089-85	- - Huoshao Pai	22 32-11 N 114 28-68 E	Fl W 6s	5	4	Red and white post 3	
P3578-5	- Ping Chau. Lung Lun Tsui. Jimmy Head	22 32-46 N 114 25-66 E	Fl(3)W 10s	16	5	White concrete tower	
ZHUJIANG KOU AND APPROACHES. TAI PANG WAN (MIRS BAY)							
P3578-52 CN, G103, 4090-31	- Guangdong Dapeng Terminal. LNG1. Breakwater. S	22 34-36 N 114 26-02 E	F R	16	5	Red and white tower 10	
P3578-53 CN, G103, 4090-32	- - LNG2. Breakwater. N	22 34-57 N 114 25-93 E	F R	16	5	Red and white tower 10	
P3578-55 CN, G103, 4090-2	- Shayuyong Gang. Ldg Lts 354°37'. Front	22 36-83 N 114 23-68 E	Iso R 2s	12	8	White concrete pillar, black band 10	
P3578-56 CN, G103, 4090-21	- - - Rear. 250m from front	22 36-97 N 114 23-67 E	Oc R 6s	20	8	White stone tower, black stripe 8	
P3578-57 CN, G103, 4090-24	- - Breakwater. Head	22 36-64 N 114 23-91 E	Fl G 3s	12	6	White concrete column 7	fl 0-5
ZHUJIANG KOU AND APPROACHES. HONG KONG. TAI PANG WAN (MIRS BAY)							
P3578-6 CN, G103, 0008	- Chek Kok Tau	22 33-31 N 114 17-52 E	Fl W 5s	7	5	White concrete tower	
P3578-65 CN, G103, 4090-7	- Yantian West Wharf. No 1	22 33-62 N 114 15-00 E	Fl(2)R 6s	6	5	Red and white post 3	
P3578-7 CN, G103, 0007	- Starling Inlet. Cheung Pai Tau	22 33-10 N 114 15-37 E	Q R	3	1-5	White column 2	
P3578-8	- - Sha Tau Kok. Breakwater. N End	22 32-66 N 114 13-43 E	Fl G 3s	7	3	White metal structure	
P3578-9	- - - - S End	22 32-62 N 114 13-48 E	Fl R 3s	7	3	White metal structure	
P3579-28 CN, G103, 0009	- Cham Pai	22 29-40 N 114 21-92 E	Fl(2)W 10s	7	5	White concrete tower 6	
ZHUJIANG KOU AND APPROACHES. HONG KONG. TAI PANG WAN (MIRS BAY). CHEK MUN HOI HAP (TOLO CHANNEL)							
P3579-4 CN, G103, 0011	- Hin Pai (Yan Pai)	22 28-99 N 114 19-97 E	Fl R 3s	5	3	White column 5	fl 0-5
P3579-5 CN, G103, 0012	- Fung Wong Wat	22 29-14 N 114 18-55 E	Q W	8	5	White concrete tower	
P3579-6 CN, G103, 0013	- To Tau Tsui	22 28-11 N 114 16-49 E	Q W	6	3	Concrete tower	

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ZHUJIANG KOU AND APPROACHES. HONG KONG. TAI PANG WAN (MIRS BAY). CHEK MUN HOI HAP (TOLO CHANNEL) - (contd)

P3579-8 CN, G103, 0014	- Che Lei Pai	22 27-84 N 114 17-44 E	Fl(2)R 10s	m 7	M 7	White column	Ra refl
P3580 CN, G103, 0015	- Tang Chau (Bush Reef)	22 26-81 N 114 15-46 E	Fl(3)W 9s	7	6	White concrete column	

ZHUJIANG KOU AND APPROACHES. HONG KONG. TAI PANG WAN (MIRS BAY). TAI PO HOI (TOLO HARBOUR)

P3580-2 CN, G103, 0016	- Pak Sha Tau Chau	22 26-91 N 114 14-94 E	Fl W 5s	3	5	White metal column on concrete tripod	
P3580-3	- Oil Terminal	22 26-98 N 114 14-54 E	Lit	..	10	Platform	
P3580-4 CN, G103, 0017	- Shuen Wan Typhoon Shelter. Breakwater. Head	22 27-21 N 114 12-69 E	Fl R 3s	9	3	White column	fl 0-5
P3580-5 CN, G103, 0017-1	- - Yim Tin Tsai	22 27-15 N 114 12-73 E	Fl G 3s	9	3	White column	fl 0-5
P3580-55 CN, G103, 0019	- Sha Tin Hoi (Shatianhai)	22 24-70 N 114 12-98 E	Q(9)W 15s	5	6	∞ on white metal column on concrete tripod	Ra refl

ZHUJIANG KOU AND APPROACHES. HONG KONG. NGAU MEI HOI (PORT SHELTER). LEUNG SHUEN WAN HAI (ROCKY HARBOUR)

P3580-6 CN, G103, 0026	- Ma Tsai Pai (Cham Pai)	22 19-42 N 114 19-79 E	Q R	4	1-5	White column	
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ZHUJIANG KOU AND APPROACHES. HONG KONG. NGAU MEI HOI (PORT SHELTER)

P3580-63 CN, G103, 0035-1	- Baishuiwan	22 20-38 N 114 16-13 E	Q Y	8	2	White concrete column on concrete structure	
P3580-65 CN, G103, 0034	- Man Tau Tsui	22 21-38 N 114 15-90 E	Fl(3)W 6s	8	5	White concrete tower	W275°-190°(275°)
P3580-7 CN, G103, 0031	- Sai Kung Hoi (Inner Port Shelter). Kiu Tsui Pai. No 182	22 21-73 N 114 17-08 E	Fl(2)W 10s	8	5	White concrete tower	
P3580-73 CN, G103, 0032	- - Breakwater. N End	22 22-73 N 114 16-56 E	Fl R 3s	7	5	White framework tower	
P3580-74 CN, G103, 0033	- - - S End	22 22-67 N 114 16-50 E	Fl G 3s	7	5	White framework tower	
P3580-8 CN, G103, 0029	- Yim Tin Tsai Typhoon Shelter. SW Side	22 22-80 N 114 18-32 E	Fl G 3s	8	3	White column	fl 0-5
P3580-84 CN, G103, 0030	- - NE Side	22 22-85 N 114 18-40 E	Fl R 3s	8	3	White column	fl 0-5
P3580-88 CN, G103, 0027	- Kei Yan Shek. No 163 (Shendu Men)	22 21-81 N 114 19-87 E	Fl W 5s	8	5	White concrete tower	fl 0-5
P3580-9 CN, G103, 0024	- Fo Tau Fan Chau. Huotoufen Zhou (Town Island). NW Point	22 20-32 N 114 21-67 E	Fl(4)W 15s	7	3	White concrete tower	
P3580-93 CN, G103, 0025	- Wave Rock	22 19-68 N 114 21-73 E	Q R	4	2	White column	
P3580-94	- Victor Rock. Westward. Wind Monitoring Station	22 17-99 N 114 25-46 E	Mo(U)W 15s	..	10	Yellow beacon	
	- - - -	..	Horn Mo(U) 30s				
	- - - -	..	AIS				
P3580-95 CN, G103, 0023	- Fan Tsang Chau	22 21-88 N 114 23-45 E	Fl(2)W 6s	6	5	White concrete tower	Obscured by land 250°-008°(118°)

DAYA WAN. APPROACHES

P3580-98 CN, G103, 4089-4	- Qing Zhou	22 24-31 N 114 39-97 E	Fl W 6s	107	18	White round concrete tower	
	- -	..	Racon	ALRS Vol 2 Station 81350

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DAYA WAN

P3581-11 CN, G103, 4088-804	- Nuclear Power Station. Breakwater. Head	22 35-36 N 114 32-73 E	Fl W 6s	m 19	M 7	Green metal framework tower	
P3581-12 CN, G103, 4088-802 CN, G103, 4088-803	- - Passage prohibited. No 1, No 2	22 35-55 N 114 32-53 E	Mo(P)Y 12s	10	5	Yellow x on yellow pile	In sync 3
P3581-13 CN, G103, 4088-8	- - Ldg Lts 000-2°. Front	22 35-61 N 114 32-60 E	Iso R 4s	11	7	White □ red stripe, on white tower	5
P3581-131 CN, G103, 4088-801	- - - Rear	22 35-69 N 114 32-60 E	Iso R 4s	18	7	White □ red stripe, on white framework tower	13
P3581-217 CN, G103, 4086-297	- Xilaideng Pier	22 39-11 N 114 43-85 E	Fl W 5s	10	5	Red and white GRP tower	7
P3581-218 CN, G103, 4085-31	- Sang Zhou	22 35-00 N 114 42-97 E	LFl W 8s	65	10	Concrete tower	fl 2 23
	- -	..	Racon	..	..	..	ALRS Vol 2 Station 81370
P3581-219 CN, G103, 4086-295	- Pinghai. Electric Works. Breakwater	22 35-83 N 114 44-02 E	Fl W 2s	17	5	White GRP column, green bands	10
P3581-22 CN, G103, 4087-955	- Dashuang Zhou	22 34-09 N 114 37-94 E	Fl W 8s	36	10	White concrete column	10
P3581-222 CN, G103, 4087-95	- Xiaolajia	22 36-90 N 114 38-02 E	Fl(2)W 8s	16	8	White round concrete pillar	10
P3581-224 CN, G103, 4087-94	- Baitou Zhou	22 37-30 N 114 38-27 E	Fl(3)W 8s	15	8	White round concrete pillar	10
P3581-228 CN, G103, 4087	- Xiaochi Zhou	22 38-39 N 114 38-61 E	Fl W 8s	44	10	White round concrete pile	8
P3581-23 CN, G103, 4087-92	- Yuan Zhou	22 38-01 N 114 37-61 E	Fl W 2s	13	8	White round concrete pillar	10

DAYA WAN. HUIZHOU GANG

P3581-234 CN, G103, 4087-1	- Hutoumen Shuido. Hutou Zui	22 39-25 N 114 35-71 E	Fl W 5s	18	10	White 6-sided concrete pillar	12
P3581-236 CN, G103, 4087-2	- - Su Pai	22 39-38 N 114 35-98 E	Fl(2)W 5s	9	8	Black ⊗ on black beacon, red band	10
	- - -	..	Racon	..	..	..	ALRS Vol 2 Station 81373
P3581-238 CN, G103, 4086-63	- Dingzi	22 40-65 N 114 36-57 E	Q W	9	6	⊕ on yellow beacon, black top	7
P3581-24 CN, G103, 4086-65	- Hengsha Pai	22 40-73 N 114 35-84 E	Q W	9	6	⊕ on yellow beacon, black band	7
P3581-242 CN, G103, 4086-64	- Apo Pai	22 40-96 N 114 36-60 E	Fl W 10s	12	12	Yellow 6-sided stone pillar	13
P3581-243 CN, G103, 4088-01	- Daya Wan. HUIZHOU GANG. AOTOU WAN - Dagang Petrochemical pier	22 41-28 N 114 34-18 E	Q W	13	4	White GRP column, red bands	10

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DAYA WAN. HUIZHOU GANG. AOTOU WAN - (contd)

P3581-244 CN, G103, 4088-1	- Huizhou Gang. Ldg Lts 320°20'. Front	22 41-89 N 114 33-53 E	F R	m 44	M 10	White concrete column, red stripe 41	
	----	..	Fl R 2s				
P3581-245 CN, G103, 4088-2	--- Rear	22 42-52 N 114 32-98 E	F R	60	10	White round concrete tower, red stripe 32	
	---- Reserve light	..	Iso R 6s				
P3581-248 CN, G103, 4088-3	- Dangmen Pai	22 42-36 N 114 32-40 E	Fl R 4s	5	6	Red □ on red concrete column 7	
P3581-249 CN, G103, 4087-393	- Huizhou gang. International Container Pier	22 41-76 N 114 33-06 E	Fl W 4s	13	5	White metal column, red bands 10	
DAYA WAN. HUIZHOU GANG							
P3581-25 CN, G103, 4086-61	- Gangkou Liedao. Mabian Zhou	22 40-65 N 114 38-74 E	Q W	9	5	△ on yellow beacon, black top	
P3581-252 CN, G103, 4086-62	-- Guogai Zhou	22 40-85 N 114 38-68 E	VQ(6)+LFl W 10s	10	6	▽ on black beacon, yellow top 7	
P3581-256 CN, G103, 4085-6	- Mabian Zhou. Oil Pier. No LB1	22 40-32 N 114 39-14 E	Fl Y 2s	10	4	Yellow metal pole 1	
P3581-258 CN, G103, 4085-61	--- No LB2	22 40-39 N 114 39-08 E	Fl Y 2s	13	4	Yellow metal pole 1	
P3581-26 CN, G103, 4085-62	--- No LB3	22 40-42 N 114 39-11 E	Fl Y 2s	13	4	Yellow metal pole 1	
P3581-262 CN, G103, 4085-63	--- No LB4	22 40-52 N 114 39-05 E	Fl Y 2s	10	4	Yellow metal pole 1	
P3581-263 CN, G103, 4086-616	-- Zhonghaiyou. No 2	22 40-55 N 114 39-06 E	F R	15	5	Red and white metal tower 8	
P3581-264 CN, G103, 4086-613	--- No 1	22 40-77 N 114 38-96 E	F R	15	5	Red and white metal tower 8	
P3581-265 CN, G103, 4085-631	- Huade Oil Pier. No 1	22 39-75 N 114 39-38 E	F R	20	5	Red and white metal column 10	
P3581-266 CN, G103, 4085-632	-- No 2	22 39-99 N 114 39-28 E	F R	20	5	Red and white metal column 10	
P3581-27 CN, G103, 4085-55	- Mabian Zhou. Ldg Lts 338°15'. Front	22 41-50 N 114 38-85 E	LFl W 6s	33	15	Concrete tower 30	fl 2
P3581-271 CN, G103, 4085-56	--- Rear	22 43-00 N 114 38-20 E	Iso W 6s	59	15	Concrete tower 57	
	----	..	Racon	..	..	..	ALRS Vol 2 Station 81374
DAYA WAN. DONGLIAN HARBOUR							
P3581-273 CN, G103, 4086-57	- Zhonghaiyou. Donglian Matou	22 43-97 N 114 36-82 E	F R	15	5	Red and white GRP tower 10	
P3581-2735 CN, G103, 4086-386	- Petrochemical Pier	22 44-34 N 114 37-40 E	Fl(4)R 8s	14	5	White pillar, red bands 10	
P3581-274 CN, G103, 4086-6	- Breakwater. Head	22 44-34 N 114 36-91 E	Fl W 4s	12	4	White GRP column, red bands 10	fl 1
P3581-275 CN, G103, 4086-55	- Donglian. Ldg Lts 318-9°. Front	22 44-64 N 114 36-87 E	Oc W 5s	27	8	△ on beacon	
	----	..	Racon	ALRS Vol 2 Station 81375

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DAYA WAN. DONGLIAN HARBOUR — Donglian. Ldg Lts 318-9° - (contd)

P3581-276 CN, G103, 4086-56	--- Rear	22 45-20 N 114 36-34 E	Oc W 5s	m 50	M 8	▽ on beacon	
P3581-2761 CN, G103, 4086-3505	- Donglian Zuoyequ. Ldg Lts 313°19'. Front	22 45-18 N 114 37-94 E	F R	24	7	□ on beacon 20	
P3581-2762 CN, G103, 4086-3506	--- Rear	22 45-43 N 114 37-65 E	F R	32	7	□ on beacon 28	
P3581-2763 CN, G103, 4086-3507 1	- Haiyou. Logistics Zone. No 1	22 45-24 N 114 38-28 E	Fl(3)W 10s	10	2.5	White metal pile, red bands 5	
P3581-2764 CN, G103, 4086-3509	--- No 2	22 45-07 N 114 37-85 E	Fl W 4s	10	2.5	White metal pile, red bands 5	
P3581-2765 CN, G103, 4086-3508	--- Warning	22 45-19 N 114 38-12 E	F RG	14	3	White metal pile, red bands 9	R252.7°-342.7°(90°), G342.7°-072.7°(90°)
P3581-277 CN, G103, 4086-544	- Huizhou LNG. Electric Works. Intake	22 44-74 N 114 37-01 E	Mo(C)Y 15s	10	5	Yellow × on yellow beacon 5	
P3581-278 CN, G103, 4086-543	--- Outtake	22 44-83 N 114 37-60 E	Mo(C)Y 15s	10	5	Yellow × on yellow beacon 5	
P3581-2785 CN, G103, 4086-545	--- Pipe Line	22 44-93 N 114 37-45 E	F R	10	5	Red and white metal column 5	
P3581-279 CN, G103, 4086-542	--- Outfall	22 44-70 N 114 37-88 E	Mo(C)Y 15s	12	5	Yellow × on yellow beacon 7	
P3581-2795 CN, G103, 4086-385	--- Breakwater. Head	22 44-20 N 114 37-92 E	Fl(3)R 5s	15	5	Red and white GRP tower 10	
DAYA WAN. FANHE GANG							
P3581-2796 CN, G103, 4086-2	- Fanhe. Chengzijiao	22 48-74 N 114 48-49 E	Fl W 3s	..	6	White concrete column 7	Fishing
DAYA WAN. PINGAI WAN							
P3581-28 CN, G103, 4085-3	- Huidong Gang Dam. Head	22 34-52 N 114 53-15 E	Fl R 4s	4	..	Metal pipe marker on concrete base	fl 0-5
P3581-282 CN, G103, 4085-8	- Yuanzhou Dao	22 33-67 N 114 52-54 E	Fl W 4s	22	6	White round concrete pile 5	fl 0-5
P3581-284 CN, G103, 4086	- Tiezhen Jiao	22 32-72 N 114 52-25 E	Fl(2)W 5s	15	6	White round concrete pile 7	fl 0-5, ec 1, fl 0-5, ec 3
P3581-286 CN, G103, 4086-1	- Shanzui	22 34-37 N 114 53-38 E	Fl(2)G 6s	..	1	Green round concrete pile 7	fl 0-5, ec 1, fl 0-5, ec 4
P3581-298 CN, G103, 4085-2	- Daxing Shan	22 34-03 N 114 54-21 E	Fl W 13s	219	24	White round concrete tower 25	
HONGHAI WAN							
P3581-299 CN, G103, 4085-1	- Xihu Yu	22 40-70 N 114 58-51 E	Fl W 4s	..	6	White round concrete pile 5	fl 0-5. Fishing
P3581-3 CN, G103, 4084-6	- Huacheng Petrochemical Pier. Breakwater. Head	22 43-61 N 115 01-61 E	F R	13	5	Red and white metal column 7	
P3581-305 CN, G103, 4084-509	- Shanwei. Huarun Power Plant. Breakwater. Head	22 44-48 N 115 02-64 E	Q(3)G 5s	18	5	White GRP tower, green bands 10	

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HONGHAI WAN - (contd)

				m	M		
P3581-31 CN, G103, 4084-5	- Jiangmu Dao	22 44-61 N 115 11-38 E	Fl W 2s	59	5	White 4-sided masonry pile 3	fl 0-5. Occas
P3581-315 CN, G103, 4084-8	- Houmen Oil Depot	22 47-95 N 115 09-17 E	Fl W 4s	8	5	White metal pole 1	
P3581-32 CN, G103, 4084-4	- Niubi Tou (Magong)	22 47-10 N 115 13-91 E	F W	117	5	White square concrete pile 5	Occas
P3581-321 CN, G103, 4084-41	- Magong Gang, Mayin Jiao	22 47-48 N 115 14-00 E	Fl(2) 5s	6	2-4	Black ♂ on black concrete column, red band 9	
P3581-33 CN, G103, 4084-3	- Xiyang Cun	22 47-92 N 115 18-37 E	Iso W 2s	72	5	White square stone pile 4	Occas
P3581-345 CN, G103, 4081	- Shanwei Gang, Sandianjin	22 46-82 N 115 19-81 E	Fl W 6s	9	9	White round concrete pile 10	fl 0-5
P3581-35 CN, G103, 4081-1	- - Ldg Lts 073°03'. Front	22 46-87 N 115 20-60 E	Oc W 3s	14	7	Red Δ on white metal framework tower 13	ec 1
P3581-41 CN, G103, 4083	- - - Rear	22 46-90 N 115 20-71 E	Oc W 3s	20	7	Red ∇ on white framework tower 18	ec 1
P3581-5 CN, G103, 4084-1	- - Ldg Lts 134°25'. Front	22 45-23 N 115 21-95 E	Fl R 3s	16	3	White round brick tower, black stripe 7	fl 0-3
P3581-51 CN, G103, 4084-2	- - - Rear	22 45-16 N 115 22-01 E	Oc W 4s	21	4	White round brick tower, black stripe 5	
P3581-8 CN, G103, 4080-6	- Dongzhou Gang, Breakwater	22 40-90 N 115 30-84 E	Fl W 5s	4	5	Metal pile 1	
P3582 CN, G103, 4080	JIESHI WAN - Zhelang Yan	22 39-07 N 115 34-18 E	Fl W 8s	41	18	White round concrete tower 5	Range 12M (T) 2013
P3583 CN, G103, 4079	- Shanwei Electric Plant, LB1	22 42-83 N 115 34-44 E	Q G	16	6	Green metal column 10	
P3583-1 CN, G103, 4079-1	- - LB2	22 42-64 N 115 34-08 E	Q R	15	6	Red metal column 10	
P3583-5 CN, G103, 4078-6	- Wancong Shipyard, Breakwater, Head	22 45-40 N 115 33-48 E	Q W	6	4	Metal structure 5	
P3583-6 CN, G103, 4078-41	- Wukan Gang, West Breakwater, Head	22 52-42 N 115 39-65 E	Fl R 4s	..	..	Red pile	fl 0-5
P3583-62 CN, G103, 4078-42	- - East Breakwater, Head	22 52-42 N 115 39-77 E	Fl G 4s	..	..	Green pile	fl 0-5
P3584 CN, G103, 4078	- Tianwei Jiao	22 44-65 N 115 48-79 E	Fl W 7s	83	18	White round concrete tower 6	
P3584-5 CN, G103, 4077-3	Hudong Fenghuotai	22 48-39 N 115 56-84 E	Fl W 4s	..	6	Metal framework tower on platform 9	fl 0-5
P3585 CN, G103, 4075	JIAZI - Jiazi Jiao	22 49-40 N 116 05-81 E	Fl W 10s	78	18	White round concrete tower 17	

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JIAZI - (contd)

				m	M		
P3585-5 CN, G103, 4077	- Jiazi Gang, Neiyin Jiao	22 50-77 N 116 04-67 E	Fl(2)W 5s	3	2	Black ♂ on black round concrete tower, red band 2	fl 0-5, ec 1, fl 0-5, ec 3. Fishing
P3585-6 CN, G103, 4076	- - Breakwater, Head	22 50-54 N 116 04-54 E	Fl(2)R 6s	7	2	White round masonry structure 7	fl 0-5, ec 1, fl 0-5, ec 4
P3585-8 CN, G103, 4074-1	Shenquan'ao Jiao	22 56-92 N 116 19-77 E	Fl W 6s	..	7	White and orange 6-sided stone pillar 5	fl 0-5
P3586 CN, G103, 4073	Shibeishan Jiao	22 56-36 N 116 29-74 E	Fl W 15s	68	22	White round concrete tower 59	
			Racon	..	..	..	ALRS Vol 2 Station 81380
P3586-5 CN, G103, 4067	Nanpaotai	22 57-96 N 116 30-98 E	Fl(3)W 6s	23	8	White square stone pile 7	(fl 0-3, ec 1) x 2, fl 0-3, ec 3-1
P3586-6 CN, G103, 4065-01	Huilai Electric Works, LB2	22 59-46 N 116 32-59 E	Fl Y 2s	16	5	Yellow × on yellow beacon 7	
P3586-61 CN, G103, 4065-02	- LB3	22 59-66 N 116 32-66 E	Fl Y 2s	16	5	Yellow × on yellow beacon 7	
P3586-7 CN, G103, 4064	Jinghai Jiao	23 00-05 N 116 32-81 E	Fl(2)W 6s	28	6	White 3-sided concrete structure 11	fl 0-4, ec 1, fl 0-4, ec 4-2
P3586-95 CN, G103, 4052-5	HAIMEN WAN - Haimen Gang, Daming Oil and Gas Depot, Breakwater No 1	23 10-61 N 116 37-22 E	Fl R 6s	14	4	Red and white GRP tower 10	
P3586-951 CN, G103, 4052-6	- - - Breakwater No 2	23 10-66 N 116 37-32 E	Fl R 6s	14	4	Red and white GRP tower 10	
P3587 CN, G103, 4053	- Lianhua Feng	23 11-01 N 116 36-47 E	Fl(3)W 9s	33	12	White square stone tower 4	(fl 0-8, ec 1-2) x 2, fl 0-8, ec 4-2
P3587-05 CN, G103, 4056-101	- Haimen Gang, Breakwater, Head, No 1	23 11-06 N 116 36-26 E	Fl G 3s	12	6	Beacon 9	
P3587-06 CN, G103, 4056-102	- - - - No 2	23 10-98 N 116 36-12 E	Fl R 3s	12	6	Beacon 9	
P3587-1 CN, G103, 4055	- - Ldg Lts 341°08'. Front	23 11-72 N 116 35-96 E	Oc W 3s	16	4	Δ on beacon 9	ec 1
P3587-11 CN, G103, 4056	- - - Rear	23 11-86 N 116 35-91 E	Oc W 3s	18	4	∇ on beacon 12	ec 1
P3587-14 CN, G103, 4051-041	- Huaneng Haimen, Electric Works, No 1	23 10-64 N 116 40-17 E	Iso G 8s	10	5	Green and white GRP tower 10	Sync No 1 - No 4
P3587-15 CN, G103, 4051-042	- - - No 2	23 10-76 N 116 39-93 E	Iso R 8s	10	5	Red and white GRP tower 10	Sync No 1 - No 4
P3587-16 CN, G103, 4051-043	- - - No 3	23 11-06 N 116 40-16 E	Iso G 8s	11	5	Green and white GRP tower 10	Sync No 1 - No 4
P3587-17 CN, G103, 4051-044	- - - No 4	23 11-30 N 116 39-76 E	Iso G 8s	11	5	Green and white GRP tower 10	Sync No 1 - No 4
P3587-2 CN, G103, 4051-01	- - - Ldg Lts 359°52'. Front	23 12-62 N 116 40-06 E	F R	53	10	White round concrete tower, red stripe 50	

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HAIMEN WAN — Huaneng Haimen. Electric Works. Ldg Lts 359°52' - (contd)

					m	M			
P3587-201 CN, G103, 4051-02	---- Rear. 1400m from front	23 13-37 N 116 40-06 E	F R	72	10	White round concrete tower, red stripe 64			
P3587-25 CN, G103, 4051	Guang'ao Wan. Huzi	23 14-56 N 116 43-13 E	F WR	26	..	White concrete post 7	W257.3°-223.5°(326.2°), R223.5°-257.3°(33.8°). Occas		
P3587-28 CN, G103, 4050-9	- Waiwu Jiao	23 14-36 N 116 44-55 E	Fl(2)W 5s	9	8-8	Black ♂ on black post, red band 8			
P3587-3	PRATAS ISLAND - Dongsha Dao	20 41-89 N 116 43-65 E	Fl(2)W 10s	25	12				
P3587-4 CN, G103, 4023	Nangang Zui	23 23-75 N 116 49-00 E	Fl W 6s	10	5	Metal framework tower, stone base 10	fl 0-5. Fishing. Occas		
P3587-43 CN, G103, 4022-2	Lanchangdukou. Breakwater. Head	23 24-86 N 116 51-44 E	Q W	13	5	White metal tower, red bands 7			
P3587-44	- Northward	23 25-97 N 116 51-35 E	F R	27	5	Warning board			

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P3587-5 CN, G103, 4013	Wu Jiao	23 35-03 N 117 02-24 E	Fl W 4s	10	8	White round concrete pile 9			
P3587-53 CN, G103, 4017-1	Li Gang. Da Yu	23 32-05 N 116 55-53 E	Fl W 4s	6	5	White concrete pile 5	fl 0-5		
P3587-55 CN, G103, 4020	- Wu Yu	23 30-53 N 116 54-86 E	Fl W 4s	25	5	White round brick pile 4	fl 0-5		
P3587-58 CN, G103, 4022	Feng Yu	23 27-40 N 116 54-99 E	Fl W 8s	30	15	8-sided concrete tower 8	fl 0-5		
P3587-585 CN, G103, 4021-25	NAN'AO DAO - W Coast. Nanao Daqiao. Notice Board. No 1	23 26-79 N 116 55-58 E	Q Y	..	..	Yellow and red post	Bridge pier mark		
P3587-587 CN, G103, 4021-26	---- No 2	23 26-72 N 116 55-68 E	Q Y	..	..	Yellow and red post	Bridge pier mark		
P3587-588 CN, G103, 4021-27	---- No 3	23 26-70 N 116 55-66 E	Q Y	..	..	Yellow and red post	Bridge pier mark		
P3587-589 CN, G103, 4021-28	---- No 4	23 26-77 N 116 55-56 E	Q Y	..	..	Yellow and red post	Bridge pier mark		
P3587-59 CN, G103, 4022-1	-- Changshanwei. Pier	23 26-06 N 116 56-49 E	Q W	12	5	White metal tower, red bands 6			
P3587-591	- - - Southward	23 25-90 N 116 56-46 E	F R	27	5	Warning board			
P3587-595 CN, G103, 4022-15	-- Changshan Jiao	23 25-51 N 116 56-51 E	Fl W 5s	22	10	White 6-sided stone pillar 9			
P3587-596 CN, G103, 4019-2	- N Coast. Houjiang Fishing Harbour. Entrance. W Breakwater. Head	23 26-36 N 117 01-28 E	Fl(2)G 6s	..	0-7	White stone column 5	fl 0-5, ec 1, fl 0-5, ec 4		
P3587-597 CN, G103, 4019-1	---- N Side	23 26-41 N 117 01-30 E	Fl(2)R 6s	..	1-2	White stone column 5	fl 0-5, ec 1, fl 0-5, ec 4		
P3587-598 CN, G103, 4019-05	-- Anzai Yu	23 28-25 N 117 00-60 E	Fl(2)W 6s	27	10	White concrete column, red bands 9			

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						m	M		
P3587-6 CN, G103, 4019-01	Fu Yu	23 29-66 N 116 59-19 E	Fl W 5s	29	7	White concrete column 6			
P3587-61 CN, G103, 4012	Haishan Dao. Wujiaozi	23 33-14 N 117 01-54 E	Fl(2)W 5s	5	5	♂ on black beacon, red band	fl 0-5, ec 1, fl 0-5, ec 3. Isolated danger mark		
P3587-612 CN, G103, 4014	- Xiaojinmen Mapo	23 34-27 N 117 00-76 E	Fl R 4s	5	3	White concrete pillar 7	fl 0-5		
P3587-62 CN, G103, 4011	Zhelin Wan. Qing Yu	23 32-45 N 117 03-75 E	Fl(2)W 6s	54	15	White round masonry pile 11	fl 0-3, ec 1, fl 0-3, ec 4-4		
P3587-624 CN, G103, 4009-1	Huafeng. No 1	23 33-73 N 117 07-97 E	F R	11	4	Red metal framework beacon 5			
P3587-625 CN, G103, 4009-2	- No 2	23 33-80 N 117 07-92 E	LFl W 6s	20	10	Red round metal dolphin 13	fl 2		
P3587-626 CN, G103, 4009-3	- No 3	23 33-90 N 117 07-80 E	Fl R 2s	13	4	Red metal dolphin 1	fl 0-5		
P3587-63 CN, G103, 4009-6	Datang Electric Works. Breakwater	23 33-61 N 117 06-65 E	Fl W 4s	18	6				
P3587-631 CN, G103, 4009-7	- - Head	23 33-24 N 117 06-44 E	Fl G 4s	18	6				
P3587-632 CN, G103, 4009-82	- Yatai. No 2	23 33-38 N 117 06-14 E	Fl W 4s	12	5	White metal pile 1			
P3587-633 CN, G103, 4009-81	- - No 1	23 33-17 N 117 06-08 E	Fl G 6s	24	5	White GRP tower, red bands 10			
P3587-64 CN, G103, 4009-96	- Ldg Lts 315°02'. Front	23 33-60 N 117 05-63 E	Oc W 5s	33	10	△ on white metal framework tower, red stripe 28	ec 2		
	---	..	Racon	..	..	..	ALRS Vol 2 Station 81423		
P3587-641 CN, G103, 4009-97	- - Rear	23 34-23 N 117 04-95 E	Oc W 5s	54	10	▽ on white metal framework tower, red stripe 49	ec 2		

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P3587-65 CN, G103, 4001	NANPENG LIEDAO - Qinpeng Dao	23 13-37 N 117 14-57 E	Fl W 10s	16	12	White round stone masonry pile 3			
P3587-67 CN, G103, 4003-9	NAN'AO DAO - N Coast. Bei Jiao	23 29-27 N 117 07-29 E	Fl W 4s	10	6	White concrete column 6			
P3587-7 CN, G103, 4002	NANPENG LIEDAO - Nanpeng Dao	23 15-53 N 117 17-04 E	Fl W 12s	92	22	White round concrete tower 23			
	--	..	Racon	..	..	..	ALRS Vol 2 Station 81410		
P3587-72 CN, G103, 4003	- Dingpeng Dao	23 17-16 N 117 18-53 E	Fl W 8s	36	12	White metal pile, red bands 2			
P3587-73 CN, G103, 4006	LEMEN LIEDAO. NAN'AO DAO - Nan'ao Dao. S. No 1	23 21-19 N 117 05-41 E	Mo(F)Y 12s	..	..	Pile	Shown October to June		
P3587-74 CN, G103, 4004-4	- Sancongya	23 24-24 N 117 08-19 E	Fl W 8s	78	18	White concrete tower, red stripes 30			

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LEMEN LIEDAO, NAN'AO DAO - (contd)									
				m	M				
P3587-742 CN, G103, 4004	- Yun'ao Fishing Harbour. Inner Breakwater	23 24-20 N 117 05-95 E	FI G 4s	11	2.4	White concrete column 7	<i>fl 0-5</i>		
P3587-745	-- S Breakwater. Head	23 24-26 N 117 05-59 E	FI(2)G 6s						
P3587-748 CN, G103, 4004-1	-- No 1	23 24-36 N 117 05-19 E	FI(2)G 6s	11	6	Beacon 7			
P3587-749 CN, G103, 4004-2	-- No 2	23 24-45 N 117 05-28 E	FI(2)R 6s	11	6	Beacon 7			
P3587-75 CN, G103, 4005	- Nan'ao Dao. S. No 2	23 23-41 N 117 05-34 E	Mo(F)Y 12s	..	..	Pile	Shown October-June		
P3587-755 CN, G103, 4004-5	--- Guan Yu	23 23-30 N 117 06-46 E	FI W 3s	44	6	White concrete column 9			
LEMEN LIEDAO, NAN'AO DAO, APPROACHES									
P3587-76 CN, G103, 4006-018	- Banchao Jiao	23 22-36 N 117 08-22 E	FI W 2s	11	10				
	--	..	Racon	..	..	..	ALRS Vol 2 Station 81420		
P3587-8 CN, G103, 4007	- Wu Yu	23 21-40 N 117 07-80 E	FI W 4s	44	8	White 4-sided stone masonry pile 5	<i>fl 0-4</i>		
P3587-81 CN, G103, 4007-5	- Ping Yu	23 20-09 N 117 04-75 E	FI W 5s	21	10	White concrete column 9			
P3587-82 CN, G103, 4008	- Chi Yu	23 19-09 N 117 07-10 E	FI(2)W 10s	26	12	White metal pile, red bands 2			
SHANTOU GANG									
P3588 CN, G103, 4024	- Biao Jiao	23 14-28 N 116 48-41 E	FI W 8s	62	20	White round concrete tower 16			
	--	..	Horn 20s	..	..	..
	--	..	Racon	..	..	..	ALRS Vol 2 Station 81390		
P3588-5 CN, G103, 4050-03	- Guang'ao Gang. LPG Terminal. No LB3	23 12-36 N 116 47-10 E	LFI W 6s	26	10	White round metal tower 16			
P3588-51 CN, G103, 4050-04	--- No LB4	23 12-41 N 116 47-01 E	F R	12	4	White metal column 1			
P3588-52 CN, G103, 4050-02	--- No LB2	23 12-32 N 116 47-19 E	F G	12	4	White metal column 1			
P3588-53 CN, G103, 4050-05	--- No LB5	23 12-49 N 116 47-10 E	F R	19	4	White metal column 1			
P3588-54 CN, G103, 4050-06	--- No LB6	23 12-62 N 116 47-10 E	F R	19	4	White metal column 1			
P3588-6 CN, G103, 4050-8	- Guang'ao Gangqu. Breakwater. Head	23 12-95 N 116 46-23 E	FI G 6s	16	5	GRP post 10			
P3588-8 CN, G103, 4050-351	-- Ldg Lts 359°58'. Front	23 13-87 N 116 46-06 E	F R	54	10	White concrete column, red stripe 48			
	---- Reserve light	..	Oc R 5s	..	..	..	<i>ec 1</i>		
P3588-81 CN, G103, 4050-352	--- Rear	23 14-24 N 116 46-06 E	F R	68	10	White concrete column, red stripe 41			
	---- Reserve light	..	Oc R 5s	..	..	..	<i>ec 1</i>		
P3589 CN, G103, 4025	- Chijiao Yu	23 16-92 N 116 47-34 E	FI(2)W 6s	24	10	Yellow 6-sided masonry column 10	<i>fl 0-5, ec 1, fl 0-5, ec 4</i>		
P3589-2 CN, G103, 4026	- Breakwater. Head	23 17-19 N 116 47-86 E	VQ(6)+LFI W 10s	8	5	▽ on yellow beacon, black base			

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SHANTOU GANG — Breakwater - (contd)									
				m	M				
P3589-4 CN, G103, 4026-1	-- Elbow	23 18-36 N 116 46-86 E	Mo(P)Y 12s	7	5	Yellow x on yellow beacon			
P3590 CN, G103, 4029	- Jian Shi	23 18-90 N 116 45-71 E	FI W 4s	13	4	White 6-sided concrete pile 5			
P3591 CN, G103, 4030	- Dezhou Dao	23 19-58 N 116 45-42 E	FI W 5s	75	18	White round concrete tower 23			
P3592-3 CN, G103, 4031	--	23 19-62 N 116 45-25 E	FI W 2s	10	5	Red and white round metal pillar 7			
P3593 CN, G103, 4032	-- No 1 Ldg Lts 322°. Front	23 19-59 N 116 45-51 E	F R	34	7	White round concrete structure, red stripe 16			
	----	..	Racon	..	..	..	ALRS Vol 2 Station 81400		
P3593-1 CN, G103, 4033	--- Rear. Mayo Dao. 0-87M from front	23 20-28 N 116 44-93 E	F R	48	7	White round concrete structure, red stripe 41			
P3593-3 CN, G103, 4033-1	- Mayu	23 20-08 N 116 44-86 E	F R	6	1	△ on red and white beacon	Marks pipeline		
P3593-35 CN, G103, 4033-04	- Huaneng Shantou. Electric Works. Intake. No 1	23 19-86 N 116 44-61 E	Mo(C)Y 12s	6	3	Yellow x on yellow beacon 4			
P3593-36 CN, G103, 4033-05	---- No 2	23 19-88 N 116 44-58 E	Mo(C)Y 12s	6	3	Yellow x on yellow beacon 4			
P3593-6 CN, G103, 4033-2	- Dezhou	23 19-70 N 116 45-19 E	F R	7	1	△ on red and white beacon	Marks pipeline		
P3594 CN, G103, 4034	- Dezhou Dao. Lts in line 126°47'. Front	23 19-69 N 116 45-23 E	F W	36	5	▽ on post 8	Mark SW end of fishing stakes of Mu hsü		
P3594-1 CN, G103, 4035	--- Rear. 250m from front	23 19-61 N 116 45-34 E	F W	53	5	▽ on white concrete tower 10			
P3595-2 CN, G103, 4042	- Luyushuidao. No 3 Dir Lt 283°	23 21-22 N 116 40-90 E	Dir*F WRG	29	3-5	White metal framework tower 27	F G281°-282-65°(1-65°), F W282-65°-283-35°(0-7°), F R283-35°-285°(1-65°)		
P3595-23 CN, G103, 4045-61 to CN, G103, 4045-64	- Dangshi Bridge. No 11 to No 14	23 20-82 N 116 39-57 E	Q Y	..	3	Yellow pole, red bands	Marks bridge piers		
P3595-24 CN, G103, 4045-65 to CN, G103, 4045-76	-- Opening. No 15 to No 26	23 20-80 N 116 39-58 E	F R	..	3	Red x on yellow □	Navigation under this span is prohibited. Numerous other lights exist on this bridge		
P3595-26 CN, G103, 4045-59 CN, G103, 4045-6	--- No 9, No 10	23 20-73 N 116 39-58 E	FI(2)G 6s	..	3	Green △	Marks north side of navigable span		
P3595-27 CN, G103, 4045-57 CN, G103, 4045-58	--- No 7, No 8	23 20-64 N 116 39-61 E	F G	..	3	Green ^ v on white □	Centre mark for two way navigable span		
	----	..	Racon	..	..	..	ALRS Vol 2 Station 81405		
P3595-28 CN, G103, 4045-55 CN, G103, 4045-56	--- No 5, No 6	23 20-53 N 116 39-60 E	FI(2)R 6s	..	3	Red □	Marks south side of navigable span		
P3595-29 CN, G103, 4045-51 to CN, G103, 4045-54	-- No 1 to No 4	23 20-49 N 116 39-61 E	Q Y	..	3	Yellow pole, red bands	Marks bridge piers		
P3595-3 CN, G103, 4049	- Gui Yu	23 20-23 N 116 38-44 E	FI(2)W 6s	27	10	White metal framework structure 14	<i>fl 0-5, ec 1, fl 0-5, ec 4.</i> Range 4M (T) 2015		

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SHANTOU GANG — Gui Yu - (contd)

P3595-5 -- North-westward. No 2 23 20-33 N Fl(2)R 6s m M
CN, G103, 4050 116 38-21 E 7 *fl 0-4, ec 1, fl 0-4, ec 4-2.*
Marks fishing stakes

North Pacific Ocean — Taiwan Strait — China

P3596 SHANTOU GANG
CN, G103, 4009 - Laoniu Jiao 23 31-57 N Fl W 6s 9 10 White round concrete tower 8 *fl 0-5*

-- .. AIS MMSI No 994121602.
TD 2014

P3596-3 ZHAO'AN WAN
CN, G102, 3249 - Gongkou Niuma Shi 23 36-70 N Fl W 3s 4 3 Black 6-sided concrete structure 6 *fl 0-3*

P3596-5 - Gongkouwai Yu 23 36-10 N Fl(2)W 6s 30 9 White round concrete tower 8 *fl 0-3, ec 1, fl 0-3, ec 4-4*

P3596-6 - Zhaoan Tou 23 34-41 N Fl(3)W 10s 10 7 White concrete column, red bands 8 *(fl 0-5, ec 1-5) x 2, fl 0-5, ec 5-5*

P3596-7 - Chengzhou Dao 23 35-61 N Fl W 4s 38 7 White concrete column, black bands 8 *fl 0-5*

P3596-8 - Zhaoan Wan. Dabai Yu 23 42-53 N Fl W 6s 13 4 White 4-sided stone structure 3 *fl 0-3*

P3597 - Houjiao Yu 23 34-06 N Fl WR 4s 26 W 9 White 6-sided stone tower 8 *fl 0-4.*
CN, G102, 3247 R 4 W030°-003°(333°), R003°-030°(27°)

P3597-5 DONGSHAN DAO
CN, G102, 3246-01 - Long Yu 23 33-67 N Fl(2)W 6s 18 7 White concrete column, green bands 8

P3598 DONGSHAN DAO. APPROACHES
CN, G102, 3246-1 - Xiongdi Yu. Xiong Dao 23 31-96 N Fl(3)W 10s 73 16 6-sided stone structure, red and white stripes 12
--- Reserve light .. Fl(3)W 10s .. 6
--- .. Racon ALRS Vol 2 Station 81430

P3598-4 DONGSHAN DAO
CN, G102, 3245 - Yuanzhui Jiao. Jixin Yu 23 39-42 N Fl(2)W 6s 12 7 White 4-sided concrete pyramid 2 *fl 0-3, ec 1, fl 0-3, ec 4-4*

P3598-45 - Sujian Jiao 23 35-57 N Fl(3)W 10s 28 7 White concrete tower, red bands 8 *(fl 0-5, ec 1) x 2, fl 0-5, ec 6-5*

P3598-5 - Shi Yu (Cliff Island) 23 34-81 N Fl W 5s 55 9 Black round masonry structure, white bands 7
-- .. Racon ALRS Vol 2 Station 81425

P3600-3 - Luci Jiao 23 42-24 N Fl W 2s 6 5 White concrete column, red bands 5

P3600-5 - Fuding Yu 23 42-71 N Fl W 4s 11 9 White concrete column, red bands 8

P3600-8 - Nan Yu 23 43-21 N Fl(3)W 10s 12 7 White concrete column, green bands 8 *(fl 0-5, ec 1-5) x 2, fl 0-5, ec 5-5*

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DONGSHAN DAO. DONGSHAN WAN

P3600-82 - Shanjiao Jiao 23 44-26 N Fl W 2s m M
CN, G102, 3222-6 117 32-17 E 9 5 White concrete column, black bands 5

P3600-83 - Tieding Yu 23 44-67 N Fl W 1-5s 18 7 White 6-sided concrete tower, black stripes 8 *fl 0-5*

P3600-84 - Dongshan Gang. Tongling. E Breakwater 23 44-61 N Fl(2)W 6s 7 4 White 6-sided concrete structure 6 *fl 0-3, ec 1, fl 0-3, ec 4-4*

P3600-845 - - Xiecuo Jiao 23 45-23 N Fl(2)W 5s 4 6 Black 8 on black post, red band 6

P3600-85 - Duimian Dao. N 23 45-00 N Fl W 6s 13 4 White concrete column 6 *fl 0-5*

P3600-87 - Yangjiao Jiao 23 45-53 N Fl(3)W 10s 7 7 Black concial concrete structure 8 *(fl 0-5, ec 1) x 2, fl 0-5, ec 6-5*

P3600-88 - Ma'an Yu 23 45-65 N Fl(2)W 6s 18 7 White concrete column, red bands 8 *fl 0-5, ec 1, fl 0-5, ec 4*

P3600-89 - Banyang Jiao 23 47-17 N Fl W 4s 6 7 Black square brick cone 5 *fl 0-5*

P3600-9 - Dinggai Yu 23 45-76 N Fl W 4s 6 4 White concrete column 6 *fl 0-5*

DONGSHAN DAO
P3600-92 - Laoshu Jiao 23 45-42 N Fl(3)W 10s 9 5 White concrete column, black bands 5

DONGSHAN DAO. DONGSHAN WAN
P3600-93 - Bai Yu 23 46-11 N Fl W 1-5s 23 7 White concrete column, red bands 8
.. .. Racon ALRS Vol 2 Station 81433

P3600-95 - Bizi Yu 23 46-34 N Fl W 4s 17 4 White concrete column 6 *fl 0-5*

P3600-96 - Gulei Bandao Anchorage. No 9 Breakwater. N 23 46-26 N Fl(2)W 6s 9 3 Yellow round metal post, red bands 5

P3600-965 - - - S 23 46-08 N Fl(3)W 10s 9 3 Yellow round metal post, red bands 5

P3600-97 - - No 2 Breakwater. N 23 44-47 N Fl(2)W 6s 14 3 Yellow round metal post, red bands 5

P3600-975 - - - S 23 44-22 N Fl(3)W 10s 10 3 Yellow round metal post, red bands 5

P3600-98 - Youshuiyan Yu 23 44-46 N Fl(3)W 10s 15 4 White concrete column, red bands 6 *(fl 0-5, ec 1) x 2, fl 0-5, ec 6-5*

P3600-99 - Ta Yu. N 23 44-52 N Fl(2)W 6s 17 5 White concrete tower, red bands 8

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DONGSHAN DAO									
P3601 CN, G102, 3221	- Dongmen Yu. W	23 44-01 N 117 32-52 E	Fl W 4s	m 9	M 7	Black stone column 4	<i>fl 0-5</i>		
	---	..	Racon	..	..	..	ALRS Vol 2 Station 81432		
P3602 CN, G102, 3220-1	- Dongshanshuwei Yu	23 43-51 N 117 33-65 E	Fl(2)W 6s	5	..	White conical concrete structure 4	Fishing		
P3603 CN, G102, 3220	- Gulei Tou	23 43-29 N 117 35-31 E	Fl(2)W 10s	114	24	White round concrete tower 23			
	-- Reserve light	..	Fl(2)W 10s AIS	..	15	..	MMSI No 004132808		
P3603-2 CN, G102, 3219-8	- Da Shan. E	23 45-07 N 117 36-71 E	Fl W 4s	9	4	White concrete column 6	<i>fl 0-5</i>		
CAIYU LIEDAO									
P3603-3 CN, G102, 3219-7	- Bang Jiao	23 45-79 N 117 38-44 E	Fl(2)W 6s	6	5	White concrete column, black bands 5			
P3603-4 CN, G102, 3218-6	- Shazhou Dao	23 48-33 N 117 39-94 E	Fl W 4s	16	7	White concrete tower, red bands 8	<i>fl 0-5</i>		
P3603-45 CN, G102, 3218-5	- Xingzi Jiao	23 47-77 N 117 38-53 E	Fl(2)W 6s	22	3	White metal column 5	<i>fl 0-5, ec 1, fl 0-5, ec 4</i>		
P3603-5 CN, G102, 3219	- Shengbei Yu	23 47-10 N 117 38-62 E	Fl(3)W 10s	32	10	Black stone column 11	<i>(fl 0-5, ec 1-5) x 2, fl 0-5, ec 5-5</i>		
P3603-53 CN, G102, 3218-7	- Shazhou Dao. S	23 47-21 N 117 39-72 E	Fl(4)W 10s	13	4	White round concrete tower 6	<i>(fl 0-5, ec 1) x 3, fl 0-5, ec 5</i>		
P3603-55 CN, G102, 3219-6	- Qingcao Yu	23 46-73 N 117 40-08 E	Fl W 2s	26	7	White concrete tower, green bands 8	<i>fl 0-5</i>		
P3603-58 CN, G102, 3218-3	- Longxia Jiao	23 46-33 N 117 43-39 E	Fl W 4s	14	5	White concrete column, black bands 5			
P3603-6 CN, G102, 3218	- Waiying Yu	23 46-96 N 117 44-07 E	Fl(2)W 6s	24	10	White concrete column, red bands 10	<i>fl 0-5, ec 1, fl 0-5, ec 4</i>		
	--	..	Racon	..	..	..	ALRS Vol 2 Station 81435		
P3603-7 CN, G102, 3217-6	- Futou Wan. Heng Yu	23 49-08 N 117 45-71 E	Fl(3)W 10s	63	7	White concrete tower, red bands 8	<i>(fl 0-5, ec 1-5) x 2, fl 0-5, ec 5-5</i>		
P3603-75 CN, G102, 3217-5	-- Xichi Yu	23 49-48 N 117 43-89 E	Fl W 2s	27	3	White metal column, black bands 5	<i>fl 0-5</i>		
P3603-9 CN, G102, 3205	Jiuzhen Wan. No 1	23 56-23 N 117 43-36 E	Fl G 4s	6	4	Green Δ on green beacon			
P3603-97 CN, G102, 3202-7	Xie Jiao	23 57-64 N 117 47-94 E	Fl W 4s	11	4	White column, black bands 6	<i>fl 0-5</i>		
P3603-973 CN, G102, 3202-8	Pingpan Yu	23 57-53 N 117 49-17 E	Fl(2)W 6s	8	4	White concrete column 6	<i>fl 0-5, ec 1, fl 0-5, ec 4</i>		
P3603-975 CN, G102, 3204-1	Liu áo S	23 54-39 N 117 44-96 E	Fl(3)W 10s	23	4	White round tower 6	<i>(fl 0-5, ec 1) x 2, fl 0-5, ec 6-5</i>		
P3603-98 CN, G102, 3204	Dong Jiao	23 54-92 N 117 46-91 E	Fl(2)W 6s	15	10	Red 6-sided stone column 10	<i>fl 0-5, ec 1, fl 0-5, ec 4</i>		
P3603-99 CN, G102, 3203-2	Dajianshan Jiao	23 56-37 N 117 48-46 E	Fl W 2s	25	3	White metal pole, red bands 5	<i>fl 0-5</i>		

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P3604 CN, G102, 3203	Bai Yu	23 54-71 N 117 51-70 E	Fl W 4s	m 26	M 10	White 6-sided concrete column 12	<i>fl 0-5</i>		
P3604-3 CN, G102, 3202-5	Jiangjun Yu	24 01-14 N 117 52-98 E	Fl W 2s	10	4	Round white concrete tower 6	<i>fl 0-5</i>		
P3604-5 CN, G102, 3202	Jiaotong Jiao	24 02-25 N 117 54-23 E	Fl(3)W 10s	28	15	6-sided stone column, red and white stripes 15	<i>(fl 0-5, ec 1) x 2, fl 0-5, ec 6-5</i>		
	- Reserve light	..	Fl(3)W 10s Racon	..	7	..	ALRS Vol 2 Station 81437		
P3605 CN, G102, 3201	Nanding Dao	24 08-09 N 118 02-28 E	Fl W 5s	60	10	Stone column, black and white bands 10	<i>fl 0-5</i>		
	-	..	Racon	..	..	..	ALRS Vol 2 Station 81440		
P3605-5 CN, G102, 3200-2	Linjin Yu	24 11-25 N 118 01-46 E	Fl(2)W 6s	23	7	White concrete column, red bands 8	<i>fl 0-5, ec 1, fl 0-5, ec 4</i>		
XIAMEN GANG AND APPROACHES									
P3606 CN, G102, 3199	- Dongding Dao. Summit	24 09-71 N 118 14-03 E	Fl W 10s	69	12	Black round brick tower 19	<i>fl 1</i>		
	---	..	Explos 5s						
P3606-2 CN, G102, 3198	- Dingtai Tou. Zhenhai Jiao	24 14-49 N 118 05-88 E	Fl W 4s	49	7	Red round stone column, white bands 11	<i>fl 0-5</i>		
P3606-5 CN, G102, 3196	- Zhenhai Jiao. Ldg Lts 018°37'-6'. Front	24 15-86 N 118 08-13 E	Fl W 1-5s	29	13	White conical stone tower, red top 15	<i>fl 0-5</i>		
P3606-51 CN, G102, 3197	--- Rear	24 16-20 N 118 08-25 E	Fl W 4s	47	13	White conical stone tower, red top 9	<i>fl 1</i>		
P3607 CN, G102, 3195-1	-- Yandun Shan	24 16-15 N 118 07-90 E	Fl(2)W 6s	110	24	White 6-sided concrete column 23			
	--- Reserve light	..	..	..	15	..			
P3607-5 CN, G102, 3195	- Baiwang Jiao. Dong Jiao	24 18-25 N 118 08-65 E	Fl(2)R 6s	14	3	Black 8-sided concrete structure, white bands 15	<i>fl 0-5, ec 1, fl 0-5, ec 4</i>		
P3607-7 CN, G102, 3192-3	- Huayang. Breakwater. Head. No 3	24 18-68 N 118 07-76 E	Fl W 4s	12	3	White metal column, red bands 6			
P3608 CN, G102, 3194	- Wu Yu	24 19-33 N 118 08-73 E	Fl W 4s	57	7	White round stone structure, red bands 12			
P3608-2 CN, G102, 3193-5	-- E	24 20-05 N 118 09-05 E	Fl W 2s	14	3	Black and white structure 5	<i>fl 0-5</i>		
P3608-25 CN, G102, 3193-7	- Xiaojiao	24 19-19 N 118 08-43 E	Fl(2)W 6s	5	4	White concrete column 6	<i>fl 0-5, ec 1, fl 0-5, ec 4</i>		
P3608-3 CN, G102, 3193-6	- Tumai Jiao	24 19-59 N 118 08-21 E	Fl W 2s	8	4	White concrete column, black bands 6	<i>fl 0-5</i>		
P3608-35 CN, G102, 3192-05	- Wu án. W	24 19-86 N 118 07-62 E	Fl(2)W 6s	11	5	White metal column, green bands 7	<i>fl 0-5, ec 1, fl 0-5, ec 4</i>		
P3608-4 CN, G102, 3192-1	- Daomei. Ldg Lts 303°. Front	24 19-48 N 118 07-19 E	F R	20	6	Δ on white concrete tower, red stripes 18			

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XIAMEN GANG AND APPROACHES — Daomei. Ldg Lts 303° - (contd)

P3608-41 CN, G102, 3192-2	--- Rear	24 19-63 N 118 06-93 E	FR	30	6	▽ on white concrete tower, red stripes 26			
P3608-5 CN, G102, 3193	- Qingjiao Yu	24 19-62 N 118 07-42 E	Fl(3)W 10s	22	7	White 6-sided stone tower, red bands 8	<i>fl 0-5, ec 1) x 2, fl 0-5, ec 6-5</i>		
P3609 CN, G102, 3193-1	- Jiuzhe Jiao	24 20-17 N 118 09-70 E	Fl(2)W 6s	14	10	White column, red bands 15			
	--	..	Racon	..	..	..	ALRS Vol 2 Station 81450		
P3609-2 CN, G102, 3192	- Gui Jiao	24 20-23 N 118 07-43 E	Fl W 4s	13	7	White concrete column 10	<i>fl 0-5</i>		
P3609-25 CN, G102, 3191-1	- Qingyu Shuidao. Bai Yu	24 20-98 N 118 08-08 E	Fl(3)W 10s	20	7	White concrete column, red bands 8			
P3610 CN, G102, 3190	- Qing Yu	24 21-88 N 118 07-55 E	Fl(4)W 20s	41	18	White 8-sided tower, red stripes 10			
	--	..	Racon	..	..	..	ALRS Vol 2 Station 81455		
P3612 CN, G102, 3189	- Dadan Dao	24 23-17 N 118 10-11 E	Fl W 3s	91	10	White metal hut 3	<i>fl 0-3</i>		
P3612-1	- Xiaojinmen Dao. Lo-ts'o Fishing Harbour	24 25-30 N 118 15-50 E	Fl G 4s						
P3612-13	---	24 25-40 N 118 15-50 E	Fl R 4s						
P3612-16 CN, G102, 3137-01	- Chi'na Jiao	24 29-07 N 118 12-29 E	Fl W 4s	11	9	White 6-sided masonry tower, red bands 8			
P3612-17 CN, G102, 3138-01	- Tu Yu	24 27-28 N 118 11-40 E	Fl(2)W 6s	11	9	White concrete column, red bands 8			
P3612-195 CN, G102, 3188-3	- Nanpao Tai	24 24-31 N 118 03-95 E	Fl W 10s	70	15	White concrete pillar 52			
	-- Emergency light	..	Fl W 10s	..	9	..			
P3612-2 CN, G102, 3188-2	- Shikengyuzi	24 24-45 N 118 03-97 E	Fl(2)W 6s	22	7	White column, black bands 10	<i>fl 0-5, ec 1, fl 0-5, ec 4</i>		
P3612-24 CN, G102, 3188-11	- Zhaoyin Matou. No 1	24 24-75 N 118 02-99 E	Fl(3)R 5s	8	5	White metal pole, red bands 5			
P3612-25 CN, G102, 3188-12	-- Pier. No 2	24 24-95 N 118 02-10 E	Fl(2)W 6s	9	3	White column, red bands 6			
P3612-5 CN, G102, 3176-3	- Song. No 1	24 26-62 N 118 01-22 E	Mo(C)Y 12s	8	3	Yellow x on yellow beacon			
P3612-52 CN, G102, 3176-31	-- No 2	24 26-62 N 118 01-19 E	Mo(C)Y 12s	4	3	Yellow x on yellow beacon			
P3612-53 CN, G102, 3176-32	-- No 3	24 26-63 N 118 01-17 E	Mo(C)Y 12s	4	3	Yellow x on yellow beacon			
P3612-55 CN, G102, 3177	- Nangang. No 1	24 26-90 N 118 00-14 E	Fl G 4s	5	7	Green △ on green beacon 6			
P3612-56 CN, G102, 3184	- Haimen Dao. S Point	24 24-16 N 117 57-43 E	Fl G 4s	8	4	Green △ on green brick column 9			
P3612-57 CN, G102, 3183	- Mu Yu	24 24-58 N 118 00-00 E	Q W	9	4	△ on yellow pole, black top			

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XIAMEN GANG AND APPROACHES - (contd)

P3612-59	- Haicang	24 26-48 N 118 02-26 E	Fl W 4s	7	5	..	(T) 2013		
P3612-76 CN, G102, 3169-05	- Jilan Jiao	24 26-59 N 118 03-23 E	Fl(3)W 10s	5	4	White concrete column, red band 6	<i>fl 0-5, ec 1) x 2, fl 0-5, ec 6-5</i>		
P3612-8 CN, G102, 3169-1	- Qizi Wei	24 26-46 N 118 03-58 E	Fl W 4s	6	3	White metal column, green bands 5	<i>fl 0-5</i>		
P3613 CN, G102, 3169	- Huang Jiao	24 26-63 N 118 04-39 E	Fl(2)R 6s	14	3	Red 8-sided concrete pyramid 3	<i>fl 0-5, ec 1, fl 0-5, ec 4</i>		
P3613-2 CN, G102, 3170	- Haven	24 26-48 N 118 04-79 E	Iso G 4s	8	2	White square concrete tower 6	Fishing		
P3613-5 CN, G102, 3165	- Zhangyu Jiao	24 27-00 N 118 04-18 E	Fl R 4s	7	3	Red □ on red 8-sided concrete pyramid 9	<i>fl 0-5</i>		
P3614 CN, G102, 3164	- Jiangxin Jiao	24 27-12 N 118 04-09 E	Fl(2)R 6s	8	3	Red □ on red 8-sided concrete pyramid 9	<i>fl 0-5, ec 1, fl 0-5, ec 4</i>		
P3614-4 CN, G102, 3163	- Guanchai Jiao	24 27-49 N 118 03-80 E	Fl(2)W 5s	5	6	Black ⊗ on red 8-sided concrete structure, black band 10	<i>fl 0-5, ec 1, fl 0-5, ec 3.</i> Isolated danger mark		
P3614-5 CN, G102, 3162-15	- Niaoqi Jiao	24 27-54 N 118 03-65 E	Fl W 4s	7	7	White concrete column, green bands 5	<i>fl 0-5</i>		
P3615 CN, G102, 3157	- Hou Yu	24 28-08 N 118 03-35 E	Fl W 6s	33	16	White stone tower, red bands 20			
	--	..	Racon	..	..	..	ALRS Vol 2 Station 81490		
P3615-2 CN, G102, 3157-1	-- W	24 28-12 N 118 03-32 E	Fl G 2s	15	4	White metal pole, green bands 10			
P3615-5 CN, G102, 3162	- Da Yu	24 27-59 N 118 02-73 E	Fl W*4s	45	7	Red 6-sided stone column, white stripes 13	<i>fl 0-5</i>		
P3615-53 CN, G102, 3161-5	-- N	24 27-84 N 118 02-88 E	Fl W 2s	10	5	White concrete tower, black bands 7	<i>fl 0-5</i>		
P3615-55 CN, G102, 3162-1	-- S	24 27-50 N 118 02-74 E	Fl(3)W 10s	8	3	White metal pole, red bands 7			
P3615-57 CN, G102, 3162-2	- Jiangjun Jiao	24 27-26 N 118 03-25 E	Fl(2)W 6s	6	3	White metal pole, green bands 5			
P3616 CN, G102, 3156	- Manwei Jiao	24 28-60 N 118 03-74 E	Fl W 4s	18	7	White 6-sided concrete tower 21	<i>fl 0-5</i>		
P3616-5 CN, G102, 3153-2	- Huoshao Yu. Ldg Lts 004°55'. Front	24 29-47 N 118 03-63 E	FR	17	4	White stone pyramid, red stripes 12			
P3616-51 CN, G102, 3153-3	--- Rear	24 29-61 N 118 03-64 E	FR	26	4	White stone pyramid, red stripes 12			
P3616-6 CN, G102, 3153-4	-- E	24 29-61 N 118 03-89 E	Fl W 4s	8	3	White metal pole, red bands 5			

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XIAMEN GANG AND APPROACHES - (contd)

				m	M		
P3616-8 CN, G102, 3151	- Xiaojingtai Jiao	24 30-69 N 118 04-17 E	Fl(3)W 10s	7	4	White masonry column 10	(fl 0-5, ec 1) x 2, fl 0-5, ec 6-5
P3617 CN, G102, 3152	- Niufen Jiao	24 29-95 N 118 04-26 E	Fl(2)G 6s	5	7	Green Δ on green 8-sided concrete pyramid 11	fl 0-5, ec 1, fl 0-5, ec 4
P3618 CN, G102, 3152-5	- Haicang Bridge. E Span. S Side. No 5 ---- Centre	24 29-81 N 118 04-11 E ..	Mo(A)W 6s Racon	55 ..	..	..	ALRS Vol 2 Station 81495
P3618-001 CN, G102, 3152-1	--- N Side. No 1	24 29-83 N 118 04-25 E	Fl G 4s	55			
P3618-002 CN, G102, 3152-2	---- No 2	24 29-83 N 118 04-11 E	Mo(A)W 6s	55			
P3618-003 CN, G102, 3152-3	---- No 3	24 29-83 N 118 03-98 E	Fl R 4s	55			
P3618-004 CN, G102, 3152-4	--- S Side. No 4	24 29-81 N 118 03-98 E	Fl R 4s	55			
P3618-006 CN, G102, 3152-6	---- No 6	24 29-80 N 118 04-25 E	Fl G 4s	55			
P3618-007 CN, G102, 3152-7	-- W Span. N Side. No 7	24 29-84 N 118 03-69 E	Fl(2+1)G 12s	37			
P3618-008 CN, G102, 3152-8	---- No 8	24 29-85 N 118 03-62 E	Fl(2+1)R 12s	37			
P3618-009 CN, G102, 3152-9	--- S Side. No 9	24 29-83 N 118 03-62 E	Fl(2+1)R 12s	37			
P3618-01 CN, G102, 3152-9-5	---- No 10	24 29-82 N 118 03-69 E	Fl(2+1)G 12s	37			
P3618-03 CN, G102, 3144-34	- No 5. S Breakwater. Head	24 32-80 N 118 05-61 E	Iso G 4s	6	4	Green and white metal pole 5	
P3618-033 CN, G102, 3144-35	- No 6. W Breakwater. S Head	24 32-85 N 118 05-62 E	Iso R 2s	6	4	Red and white metal pole 5	
P3618-035 CN, G102, 3144-36	- No 7. S Breakwater. Middle	24 32-64 N 118 05-73 E	Fl W 3s	6	6	Red and yellow metal pole 5	
P3618-037 CN, G102, 3144-38	- No 9	24 32-97 N 118 05-80 E	Fl R 5s	6	4	Red and white metal column 5	fl 1
P3618-04 CN, G102, 3144-39	- No 10	24 32-96 N 118 05-85 E	Fl G 5s	6	4	White metal column, green bands 5	fl 1
P3618-042 CN, G102, 3144-4	- No 11	24 32-80 N 118 05-98 E	Fl W 3s	6	4	Red metal column, yellow bands 5	fl 1
P3618-047	- Xinglin Bridge. No 5	24 33-64 N 118 04-93 E	Fl Y 4s	..	..	..	Bridge also marked by Fl Y lights No 6, No 7 & No 8. (T) 2013
P3618-051 CN, G102, 3144-11	- Shishu Shan	24 33-42 N 118 05-82 E	Fl(2)W 6s	6	3	Concrete tower 8	Occas
P3618-0561	- Xinglin Bridge. No1	24 33-19 N 118 05-95 E	Fl Y 4s	..	..	..	Bridge also marked by Fl Y lights No 2, No 3 & No 4. (T) 2013
P3618-061 CN, G102, 3143-51	-- No 1	24 33-19 N 118 05-95 E	Q Y	5	3	Yellow metal post, red band 2	Marks bridge pier. Sync with P3618-062

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XIAMEN GANG AND APPROACHES — Xinglin Bridge - (contd)

				m	M		
P3618-062 CN, G102, 3143-52	-- No 2	24 33-18 N 118 05-98 E	Q Y	5	3	Yellow metal post, red band 2	Marks bridge pier. Sync with P3618-061
P3618-07 CN, G102, 3143-1	- Jimei. Breakwater. No 1	24 33-24 N 118 06-02 E	Q Y	4	4	Yellow concrete tower, red bands 4	
P3618-071 CN, G102, 3143-2	--- No 2	24 33-29 N 118 05-99 E	Q Y	4	4	Yellow metal framework tower, red bands 2	
P3618-072 CN, G102, 3143-1	--- No 3	24 33-30 N 118 06-00 E	Q Y	4	4	Yellow concrete tower, red bands 4	
P3618-073 CN, G102, 3143-4	--- No 4	24 33-30 N 118 06-00 E	Q Y	4	4	Yellow metal framework tower, red bands 2	
P3618-3 CN, G102, 3141	- Gaoqi Qiantan	24 33-70 N 118 07-35 E	Fl W 4s	5	7	8-sided concrete tower 9	fl 0-5
P3618-33 CN, G102, 3135-5	- Qinglan Jiao	24 34-10 N 118 08-56 E	Fl(2)W 5s	6	4	\otimes on black 4-sided concrete tower, red band 7	
P3618-35 CN, G102, 3140	- Xiaolipu Jiao	24 35-50 N 118 08-40 E	Fl(2)W 6s	5	7	Concrete cone 7	fl 0-5, ec 1, fl 0-5, ec 4
P3618-38 CN, G102, 3135	- Xiaoshihu Jiao. NW Point. Haiwei Shi	24 32-73 N 118 10-10 E	Fl(2)W 5s	5	7	\otimes on black 6-sided concrete tower, red band 6	
P3618-385 CN, G102, 3135-1	- Xiamen Dao. Wutongdao	24 31-67 N 118 11-35 E	Fl(3)W 15s	80	16	White round concrete pillar 69	
	--- Reserve light	..	Fl(3)W 15s	..	9		
P3618-39 CN, G102, 3134-05	- Aotou. Xiamen Gas Electric Works. Warning. No 1	24 32-17 N 118 13-21 E	Mo(C)Y 12s	5	5	Yellow \times on yellow beacon 8	
P3618-391 CN, G102, 3134-06	---- No 2	24 32-22 N 118 13-16 E	Mo(C)Y 12s	6	5	Yellow \times on yellow beacon 8	
P3618-392 CN, G102, 3134-07	---- No 3	24 32-50 N 118 13-53 E	Mo(C)Y 12s	7	5	Yellow \times on yellow beacon 5	
P3618-4 CN, G102, 3133	- Tudigong Jiao	24 32-16 N 118 14-89 E	Fl(2)W 5s	7	4	\otimes on black 6-sided concrete column, red band 7	Isolated danger mark
P3618-5 CN, G102, 3134	- Aotou	24 31-95 N 118 14-21 E	Fl W 4s	5	4	Red and white six-sided concrete tower 7	fl 0-4
P3618-9 CN, G102, 3113	- Dadeng Dao. Breakwater	24 34-49 N 118 19-40 E	Fl(2)R 6s	4	7	Red \square on red concrete column 6	
P3618-95 CN, G102, 3112	- Lizhi Jiao	24 34-40 N 118 19-95 E	Fl R 4s	5	5	Red \square on red concrete beacon 5	
P3619 CN, G102, 3105	WEITOU WAN AND APPROACHES - Fenliu Jiao	24 35-39 N 118 26-07 E	Fl(3)W 10s	7	10	White concrete column, black bands 12	(fl 0-5, ec 1) x 2, fl 0-5, ec 6-5

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WEITOU WAN AND APPROACHES - (contd)

				m	M		
P3619-1 CN, G102, 3107	- Guanchai Jiao	24 36-03 N 118 25-06 E	Fl W 6s	8	3	White 6-sided concrete column, green bands 8	<i>fl 0-3</i>
P3619-15 CN, G102, 3106	- Du Shi	24 36-75 N 118 25-87 E	Fl W 4s	4	3	White 6-sided concrete column, red bands 5	<i>fl 0-4</i>
P3619-18 CN, G102, 3108	- Shijing	24 37-58 N 118 25-99 E	Fl(3)W 10s	8	3	White 6-sided concrete tower, black bands 7	
P3619-2 CN, G102, 3104	- Luban Jiao	24 34-97 N 118 25-95 E	Fl(2)W 6s	9	10	Red 8-sided concrete tower 12	<i>fl 0-4, ec 1, fl 0-4, ec 4-2</i>
P3619-3 CN, G102, 3111	- Du Jiao	24 34-19 N 118 22-46 E	Fl W 4s	3	7	White 6-sided concrete column, red stripes 5	
P3619-4 CN, G102, 3111-1	- Jiangxin Jiao	24 33-88 N 118 22-56 E	Fl(2)R 6s	6	4	Red □ on red six-sided concrete column 7	
P3619-52 CN, G102, 3110-02	- Xiaodengbei Jiao	24 33-91 N 118 23-17 E	Fl W 4s	7	5	Red and white concrete column 5	
P3619-525 CN, G102, 3110	- Daoniu Jiao	24 33-49 N 118 24-07 E	Fl(2)W 6s	6	5	Green and white post 5	
P3619-53 CN, G102, 3110-03	- Jiaoyuxi Jiao	24 33-41 N 118 23-89 E	Fl(3)W 10s	6	5	Red and white concrete column 5	
P3619-54 CN, G102, 3110-04	- Shengyu Jiao	24 33-24 N 118 23-74 E	Fl(2)W 6s	7	5	Red and white concrete column 5	
P3619-55 CN, G102, 3110-05	- Dayoutou Jiao	24 32-66 N 118 24-24 E	Fl W 4s	9	5	Red and white concrete column 5	
P3619-56 CN, G102, 3110-01	- Jiaoyudong Jiao	24 33-28 N 118 24-90 E	Fl W 4s	6	5	Red and white post 5	
P3619-6 CN, G102, 3103-2	- Dabai Yu	24 34-02 N 118 27-33 E	Fl W 2s	13	4	Black and white tower 5	<i>fl 0-5</i>

WEITOU WAN AND APPROACHES. APPROACHES

P3620 CN, G102, 3103	- Beiding Dao	24 25-63 N 118 30-28 E	Fl(2)W 10s	36	11	White round brick tower 17	<i>fl 0-5, ec 1, fl 0-5, ec 8</i>
--	..		Explos 300s				

WEITOU WAN AND APPROACHES. JINMEN DAO

P3620-08	- Liaoluo Harbour, S Breakwater, Head	24 24-47 N 118 25-42 E	Fl R 6s	..	5		
P3620-081	- - N Breakwater, Head	24 24-62 N 118 25-47 E	Fl W 4s	..	6		
P3620-11	- - Ldg Lts 081°38'. Front	24 24-67 N 118 26-04 E	F G				
P3620-111	- - - Rear	24 24-68 N 118 26-07 E	F G				
P3620-15	- Hsin-hu Fishing Harbour	24 25-70 N 118 24-60 E	Fl G 4s				

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WEITOU WAN AND APPROACHES

				m	M		
P3620-2 CN, G102, 3100	- Weitou Jiao	24 30-77 N 118 34-32 E	Fl W 2s	42	16	Black 6-sided brick tower 16	
--	Reserve light	..	Fl W 2s	..	6		
--	..	..	Racon	..	..		ALRS Vol 2 Station 81496
P3620-25 CN, G102, 3101	- Baiyang Yu	24 32-43 N 118 33-11 E	Fl W 4s	19	10	Red concrete pillar, black bands 8	<i>fl 0-5</i>
P3620-28 CN, G102, 3099-5	Wai Yu	24 32-11 N 118 37-36 E	Fl(2)W 6s	14	4	White concrete column 6	<i>fl 0-5, ec 1, fl 0-5, ec 4</i>
P3620-3 CN, G102, 3099	Nanbeiwei Yu	24 33-44 N 118 39-22 E	Fl(3)W 10s	26	10	White column 12	<i>(fl 0-5, ec 1-5) x 2, fl 0-5, ec 5-5</i>
P3620-33 CN, G102, 3098-2	Qianta Jiao	24 36-50 N 118 40-92 E	Fl W 2s	14	7	White concrete pillar, red bands 8	<i>fl 0-5</i>
P3620-35 CN, G103, 3098	Shenhu Yuguang	24 37-67 N 118 40-62 E	F W	32	10	Red masonry square	Fishing
P3620-4 CN, G102, 3097	Qingzai Yu	24 38-13 N 118 41-26 E	Fl(2)W 6s	17	10	White concrete column, red stripes 9	<i>fl 0-5, ec 1, fl 0-5, ec 4</i>
P3620-45 CN, G102, 3096	Yudong Yu (Yongning Zui)	24 39-97 N 118 41-95 E	Fl W 6s	26	16	6-sided masonry column, red and white bands 18	<i>fl 0-5</i>
--	Reserve light	..	Fl W 6s	..	5		
--	..	..	Racon	..	..		ALRS Vol 2 Station 81497
P3620-5 CN, G102, 3095-3	Jinshang Pier, Head	24 43-20 N 118 44-66 E	Iso R 5s	8	4	White round column, red bands 5	
P3620-61 CN, G102, 3095-11	Hongdian, Breakwater, No 1	24 43-28 N 118 45-61 E	Fl R 5s	21	5	White metal pole, red bands 2	
P3620-62 CN, G102, 3095-12	- - No 2	24 43-07 N 118 45-57 E	Mo(C)Y 12s	12	5	Yellow x on yellow metal pole	
---	..	..	Racon	..	..		ALRS Vol 2 Station 81497-5
P3620-8 CN, G102, 3095	QUANZHOU WAN - Xiangzhi Jiao	24 46-35 N 118 46-67 E	Fl(3)W 15s	52	16	White 6-sided masonry pile, red stripes 16	
--	Reserve light	..	Fl(3)W 15s	..	6		
--	..	..	Racon	..	..		ALRS Vol 2 Station 81498
P3620-9 CN, G102, 3094-85	- Xiangzhi Gang, Chunguia Jiao	24 46-81 N 118 45-71 E	Fl(2)W 5s	6	4	Black concrete tower, red band 7	Isolated danger mark
P3621 CN, G102, 3071	- Matou Shan, Ldg Lts 342°27'. Front	24 49-49 N 118 46-57 E	Fl W 1-5s	19	10	White 4-sided masonry column, black stripes 8	<i>fl 0-5</i>
P3621-1 CN, G102, 3072	- - - Rear, 410m from front. Dazhui Dao	24 49-72 N 118 46-48 E	Iso W 4s	48	10	White 4-sided masonry column, black stripes 12	W297°-027°(90°)
P3621-2 CN, G102, 3073-1	- Xiaozhui Dao, S Reef, Ldg Lts 306°46'. Front	24 48-75 N 118 45-94 E	Q W	14	7	White conical concrete tower with vertical red stripes 8	
P3621-21 CN, G102, 3073-2	- - - - Rear, 190m from front	24 48-80 N 118 45-86 E	Iso W 4s	17	7	White conical concrete tower with vertical red stripes 12	

