

JOINT ARCHIVE FOR SEA LEVEL DATA REPORT: November 2013

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Abstract

The Joint Archive for Sea Level (JASL) is a collaboration between the University of Hawaii Sea Level Center (UHSLC) and the World Data Center-Silver Spring (WDC-SS) for Oceanography, which is co-located at the US National Oceanographic Data Center. The JASL is based at the UHSLC and grew out of the need for data management support of the Tropical Ocean Global Atmosphere (TOGA) Sea Level Center, founded by Dr. Klaus Wyrtki in 1985 at the University of Hawaii. The primary objective of the JASL is to prepare a scientifically valid, well-documented archive of hourly and daily sea level values in standardized formats that are readily available to the international research communities. The JASL is a Global Sea Level Observing System (GLOSS) archive center. The successful growth of the JASL has been made possible through the generous contributions of over 100 agencies representing over 90 countries. On a quasi-annual basis, copies of the cumulative data holdings are submitted to the WDC-SS, the Permanent Service for Mean Sea Level, and the Climate Variability `Delayed-Mode' Data Assembly Center for sea level. This data report was prepared to describe the present archive as of November 2013 and to highlight new and updated series.

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1. HISTORY

Over the past few decades, the scientific community has become increasingly interested in the predictability of climate. Consequently, the World Climate Research Programme (WCRP) was created by the World Meteorological Organization (WMO) and the International Council of Scientific Unions (ICSU) with the objective to determine the extent of climate predictability and of man's influence on climate.

A key activity of the WCRP in the 1980s was the Tropical Ocean Global Atmosphere (TOGA) Project, which was organized with the joint support of the ICSU's Scientific Committee on Oceanic Research (SCOR) and the Intergovernmental Oceanographic Commission (IOC) of UNESCO. A major component of the plan was to monitor the global atmosphere and the upper layers of the three tropical oceans during the ten-year period of 1985-1994. Existing meteorological and oceanographic observation systems were maintained and new networks were installed. These observations along with available historical data have provided a description of the ocean-climate system and its variability from sub-seasonal to inter-annual scales and have served as the basis for studies of oceanic and atmospheric dynamics and for model input and verification. A secondary goal was to encourage the continuation of an indefinite observational oceanic and atmospheric monitoring system.

An important parameter of the ocean monitoring system is sea level. The TOGA program required daily sea level values with an accuracy of 2 cm. Sea level measurements have been made throughout the world by various national agencies, local ports authorities, and research organizations, but a centralized archive of daily data did not exist. In order to concentrate the efforts of acquiring, processing, and archiving the sea level data, the TOGA Sea Level Center (TOGA SLC) was established in 1985 at the University of Hawaii (UH) under the direction of Dr. Klaus Wyrтки, who had been responsible for the North Pacific Experiment (NORPAX) network of sea level stations, most of which were installed in the mid-1970s.

The UH pursued the dual responsibilities of maintaining a large sea level network and serving as a scientific data center. In the late 1980s, the UH increased the number of sites in the Pacific and expanded into the Indian Ocean; thus, the UH Indo-Pacific Sea Level Network (IPSLN) was formed. Moreover, national and international agencies with sea level gauges in tropical and subtropical locations were solicited for contributions of hourly data, which allowed better quality control than is possible with only daily values.

The TOGA SLC was operated as part of the UH Sea Level Center (UHSLC), which also managed the IPSLN. The UHSLC has played an important role in the IOC's Global Sea Level Observing System (GLOSS) program, which was formed in the mid 1980s and strives to improve technology and data exchange among participating countries, and to build a high quality archive in support of science and education. In 1997, the UHSLC gained responsibility of the National Oceanographic and Atmospheric Administration (NOAA) National Ocean Service (NOS) overseas network, which includes sites in all oceans. Thus, the IPSLN was renamed the Global Sea Level Network (GSLN). The UHSLC served as a 'Fast Delivery' Data Acquisition Center (DAC) for the World Ocean Circulation Experiment from 1995-2002. The DAC provided preliminarily quality-controlled hourly, daily, and monthly data on a one- to two-month lag.

The UHSLC presently operates the Joint WMO/IOC Commission for Oceanography and Marine Meteorology (JCOMM) Sea Level Program in the Pacific and the GLOSS 'Fast-Delivery' Sea Level Center, co-operable with the CLimate Variability (CLIVAR) Program DAC. Primary support for the UHSLC comes from NOAA's Office of Climate Observations. Funding was also provided by National Aeronautical and Space Agency under the JASON program for the development of In Situ Tide Gauge/Continuous GPS Stations for Monitoring the Temporal Drift of Satellite Altimeters. Additional funding is provided by the IOC and the Asian Disaster Preparedness Center for tsunami warning system upgrades. Starting in 2009, the UHSLC is hosting real-time access to data of the highest sampling frequency, primarily 1-minute intervals, for stations maintained by the UHSLC, in support of evaluating extreme events, monitoring of ocean dynamics, and verifying ocean models. The UHSLC is presently directed by Dr. Mark Merrifield, who took the helm from Dr. Gary Mitchum in February 1996. Dr. Mitchum directed the center after Dr. Wyrcki's retirement in 1992.

As the quantity of data collected by the TOGA SLC increased during the mid 1980s, assistance with data management was provided by the United States (US) National Oceanographic Data Center (NODC), co-located with the World Data Center-Silver Spring (WDC-SS) for Oceanography, with the establishment in 1987 of the Joint Archive for Sea Level (JASL) at the UH. The JASL supplements the UHSLC with acquisition, quality review, data documentation, and archival of sea level values from contributing agencies. The proximity of JASL staff to the sea level experts at UH ensures a research data set of the highest quality, while the NODC lends its skills in data management to aid in timely turnaround of concise, standardized, well-documented data to the scientific community. The JASL is the primary avenue of acquisition of validated data sets and annually requests data contributions from agencies around the globe. The JASL promotes the creation of high quality data sets by offering a sea level processing package (Caldwell, 1998) upon request and participating in technical workshops sponsored by the GLOSS (Caldwell and Kilonsky, 1992; UNESCO, 1993; UNESCO, 1995; UNESCO, 2003). Since October 2000, the JASL has been supported by the National Coastal Data Development Center, a division of NODC. The JASL was recognized as an official GLOSS data center in 2012 (UNESCO, 2012).

The first seven years of the TOGA SLC were dedicated to collection of data from the Pacific and Indian Oceans. Starting in 1990, efforts were expanded to acquiring data for the tropical Atlantic Ocean. With the conclusion of the TOGA Program in 1995, the TOGA SLC was absorbed within the JASL's duties of maintaining a research quality data archive. Many of the observing stations implemented by the TOGA Program continue to operate and most of the collaborative agencies continue to provide sea level data on a regular basis. Over the past decade, the JASL has requested finalized, quality-controlled hourly data from agencies which maintain gauges at oceanographically important high latitude sites, such as those of the WOCE, CLIVAR, or GLOSS networks. Many of these sites have served as ground truth stations for the joint US/France TOPEX/POSEIDON altimetry program (Mitchum, 1994) and continue to serve on follow-up altimeter JASON mission. The JASL has also focused attention on data rescue by obtaining paper records, overseeing the digitization, and performing quality control (Caldwell, 2003).

This data report describes the present data holdings at the JASL and highlights new and updated series. Methods of acquisition, quality control, and assessment have been documented (Caldwell and Kilonsky, 1992; Kilonsky and Caldwell, 1991) and will not be elaborated upon in this text. The JASL set is also referred to as the University of Hawaii Sea Level Center's Research Quality Data Set.

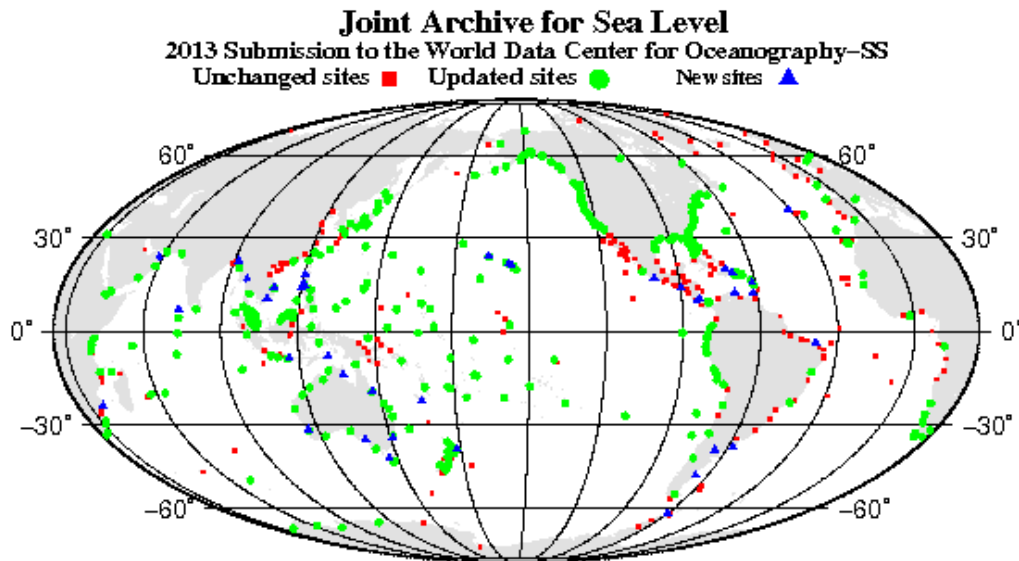


Figure 1. As of November 2013, 670 series have been contributed to the JASL from over 100 agencies representing over 90 countries. The symbols note the November 2013 status relative to November 2011.

2. DATA HOLDINGS November 2013

2.1. Complete Set

The JASL prepares scientifically valid data sets of hourly and daily values, which are submitted quasi-annually to international data banks and are made readily available in a more timely fashion through the Internet. As of November 2013, 670 series with 15,657 series-years (Appendix A.1) of quality-assured data have been submitted to the WDC-SS, US NODC, the Permanent Service for Mean Sea Level (PSMSL), and the CLIVAR 'Delayed-Mode' Data Assembly Center at the British Oceanographic Data Center (BODC).

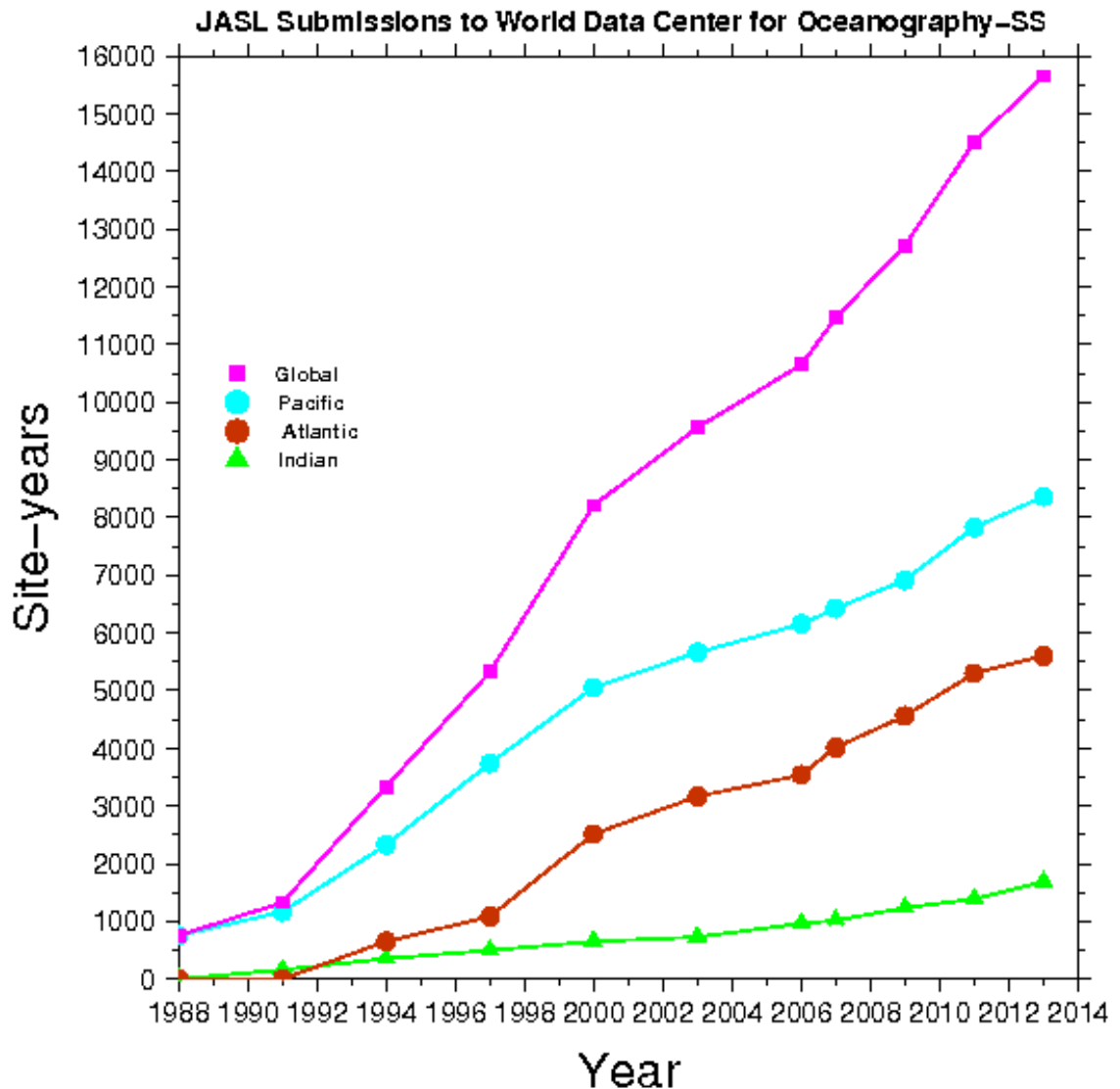


Figure 2. This plot shows cumulative site-years by ocean for select quasi-annual submissions of the JASL to the WDC-SS. The total holdings have increased by 1,142 site-years or 8% relative to 2011.

Over the past year, 39 new series with 274 series-years (Appendix A.2) have been added to the JASL. The locations are depicted as blue triangles in Figure 1. New series were made available in 23 countries: Argentina, Australia, Bangladesh, Chile, Costa Rica, Dominica, Dominican Republic, El Salvador, France, Grenada, Indonesia, Mexico, Mozambique, Myanmar, New Zealand, Oman, Philippines, Portugal, Maldives, USA, and Vietnam. Of the new series, 28 were made available by the UHSLC. The National Tidal Centre, Bureau of Meteorology, Australia provided 5 new sites, which are part of the Australian Baseline Sea Level Monitoring Project.

Several unique sites have multiple independent series due to reference levels that have not been linked from one time span to the next. In several cases, a series was broken into multiple segments at the point of a reference level shift. For the given site, if new time span(s) that were not linked to the reference level of the existing series were added, then a separate series was established. The filename of each site with multiple series is appended by letters and the filenames are ordered chronologically (i.e. the earliest data is version A, e.g. Callao-A and Callao-B). Thus, series names are changed if the series is extended backwards and the new span is not linked to the same reference level. Of the 39 new series in the November 2013 set, 22 were new unique locations while 16 were new sub-series due to a new reference level for the unique location, and one (Flores, Azores) was a replacement site at a nearby harbor (from Flores, Santa Cruz to Flores, Lajes).

Since November 2011, the JASL updated 284 existing series forward and backward in time with 878 site-years (Figure 1 and Appendix A.3). These updates to the JASL were made by 37 agencies. 784 site-years were added to existing series forward in time. The UHSLC released updates for 32 series, some of which had not been extended forward for over five years. The delay in the release was caused by the time necessary to fully assess and quality control the data from the new UHSLC network of radar gauges.

For the November 2013 set, three series were extended backwards for 94 site-years (Appendix A.4). Two were from sites within continental USA (National Ocean Service) and one was in Australia (Bureau of Meteorology). Pursuit of data rescue continues at the JASL (Caldwell, 2003) through motivation from the GLOSS data rescue effort and the Global Ocean Data Rescue and Archeology (GODAR) project (Levitus et al., 2000). In 2012, GLOSS launched a campaign to learn more of historic sea level data in need of rescue through a questionnaire to member countries. As a result, 2,824 site years of analog tide gauge data were identified that could be digitized (Caldwell, 2012). GLOSS is seeking motivation from individuals and agencies that could help bring these historic records into digital form.

The JASL set now includes 316 series with 2011 data and 281 with 2012 (Appendix A.5). This reflects the kind commitment of international agencies to the UHSLC Fast Deliver System and the JASL. The support is greatly appreciated.

Existing years in the JASL archive have also been replaced since 2011 when necessary. A summary of actions is given in Appendix A.6.

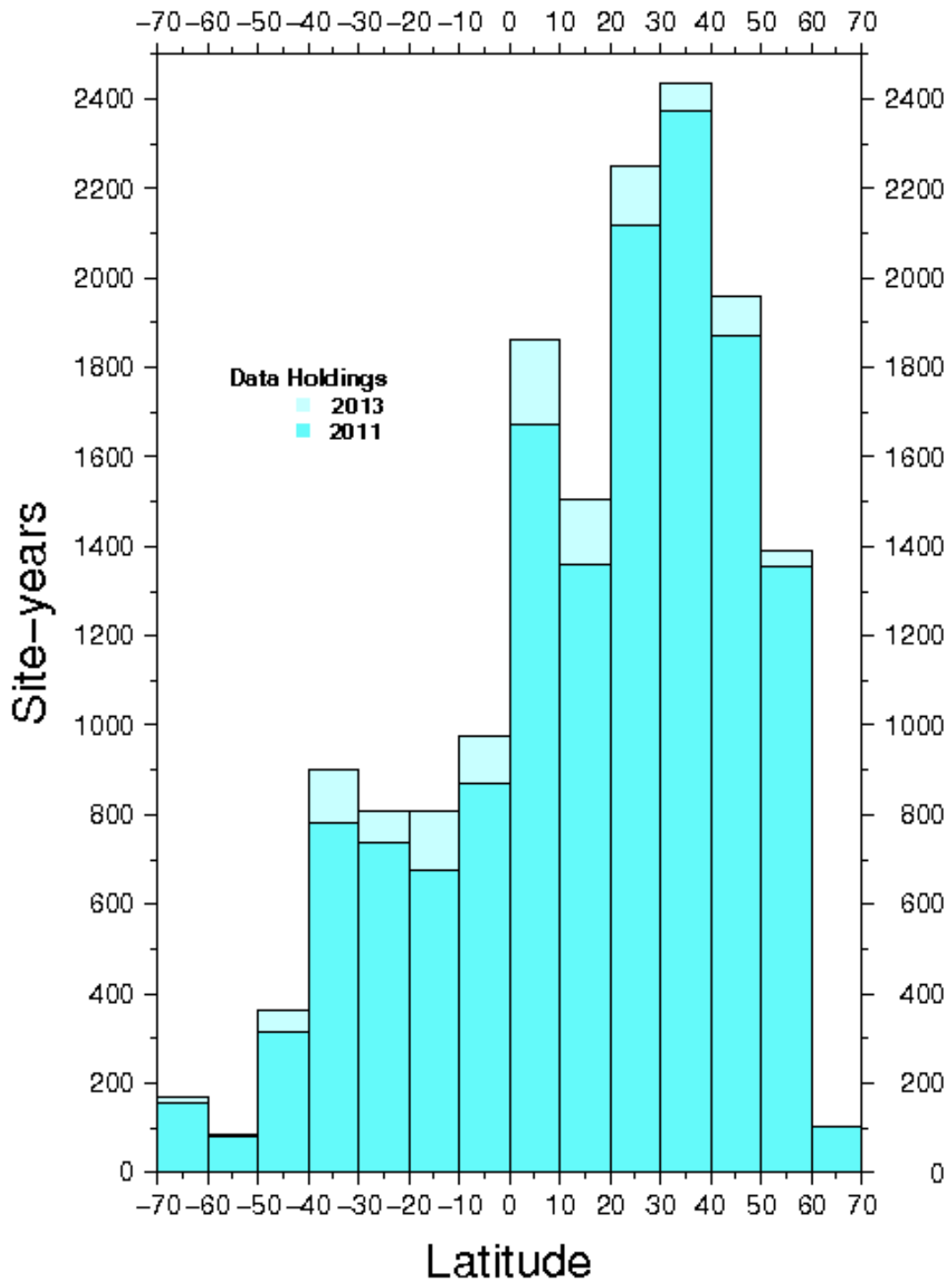


Figure 3. Distribution of site-years by latitude and growth relative to 2011.

The meridional distribution of the data holdings is shown in Figure 3 which depicts the highest concentration of sites in the northern hemisphere. Since 2011, updates were made in all latitudinal zones except 60-70N. Of the 22 new unique locations with

hourly data (Appendix A.2), six are in Australia, five in the Caribbean Sea, and three in the Philippines.

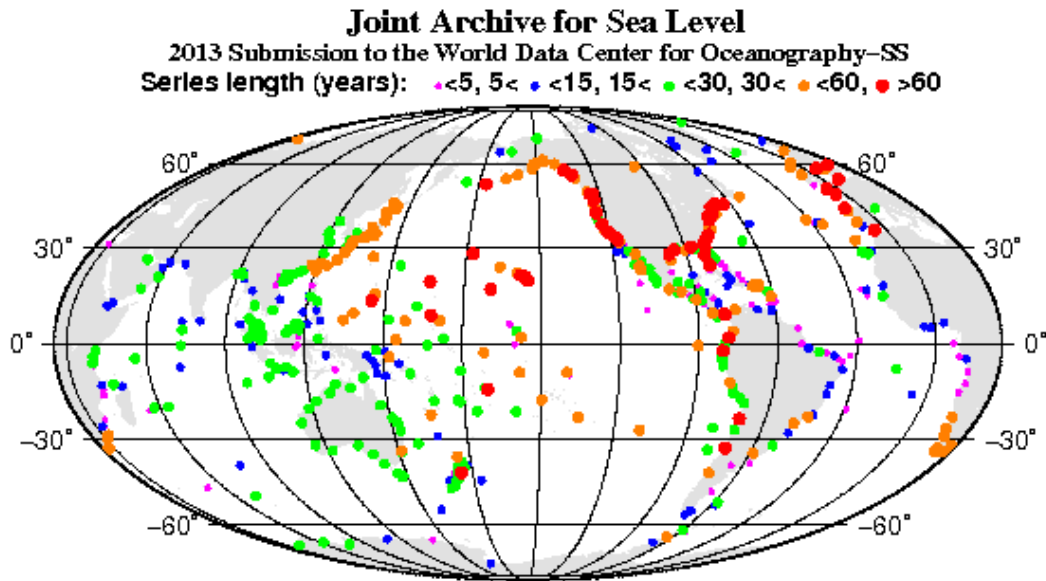


Figure 4. Lengths of the time series as of November 2013. The size of the circle represents the length of the series. The majority of the record lengths are between 15 and 30 years.

The spatial distribution by site of the series lengths is depicted in Figure 4. This shows the excellent space and time coverage of the tropical Pacific, the Japanese and Chinese coasts, selected sites in South, Central, and North America, and Europe. Since 2011, many of the stations in the Pacific off Central and South America were updated with new and historic data, allowing many stations to have over 30-year long time series. This figure also shows the shorter time spans of the records in the Indian Ocean and the tropical Atlantic. A large number of stations in the Indian Ocean now are approaching 30 years in length, reflecting the years since the conception of the TOGA program.

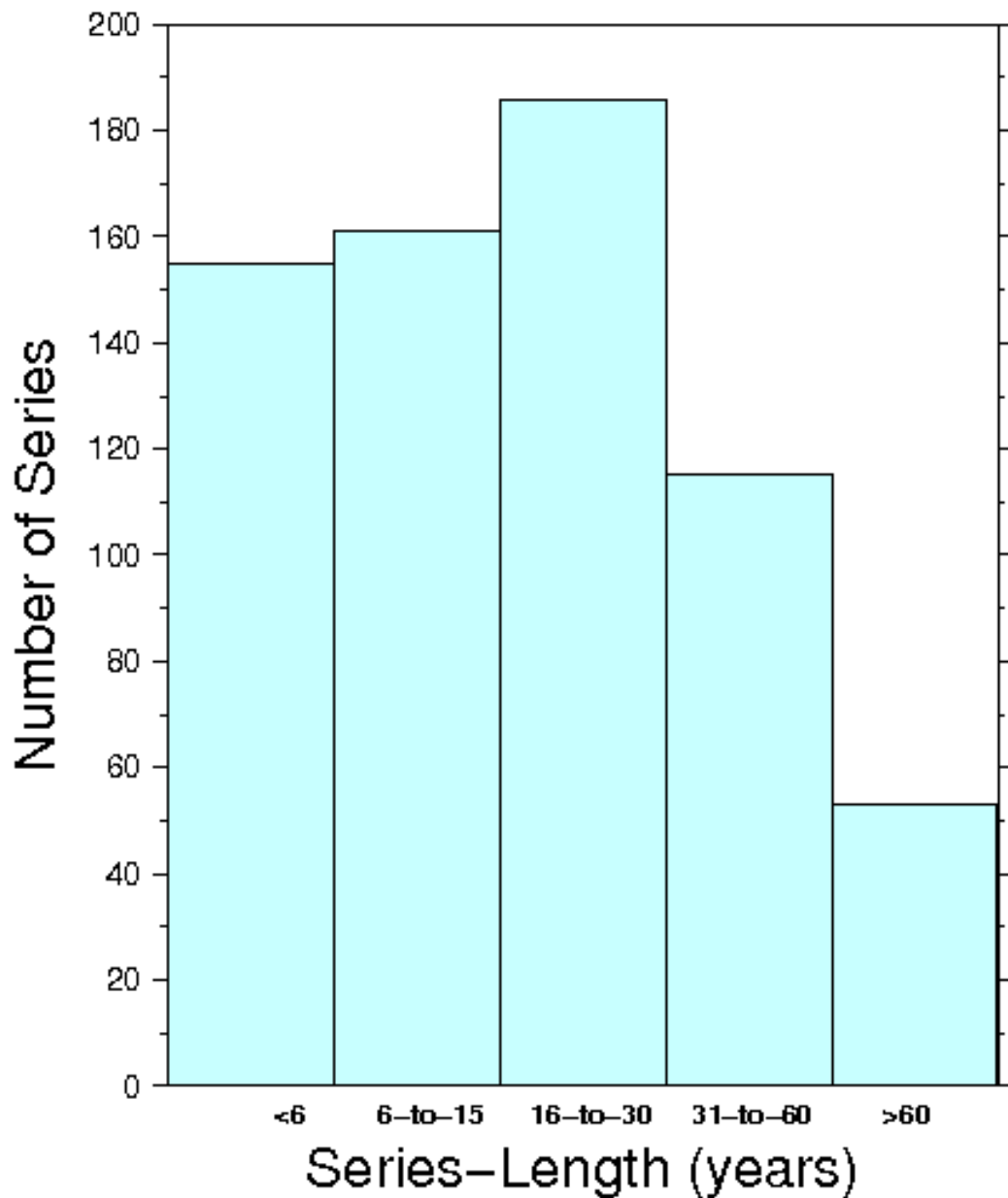


Figure 5. Lengths (years) of the time series. Relative to November 2011, the number of series >30 and <61 years has increased by 13 (+8%) and for >60 years by 3(+6%) .

The series are of variable length (Figure 4). Since 2009, the greatest concentration has shifted upward from between 6 to 15 years (Figure 5) to between 16 to 30 years, a reflection of the aging contemporary tide gauge network and a result of the motivation for open policy of data exchange under the scientific umbrella of GLOSS. The number of series with records longer than 30 years has expanded to 168 (44% increase), while the series count of greater than 60 years to 53 (6% increase) relative to November 2011. The longer series support global sea level rise research and a minimum

of 60 years has been defined as critical by Douglas (2001). For the 53 series with at least 60-year length, only one site has a completeness index less than 75%. The longest series in the JASL is from Brest, France at 166 years. Series that reached the 60-year length since November 2011 were added for sites in the tropical Pacific and continental USA (Appendix A7).

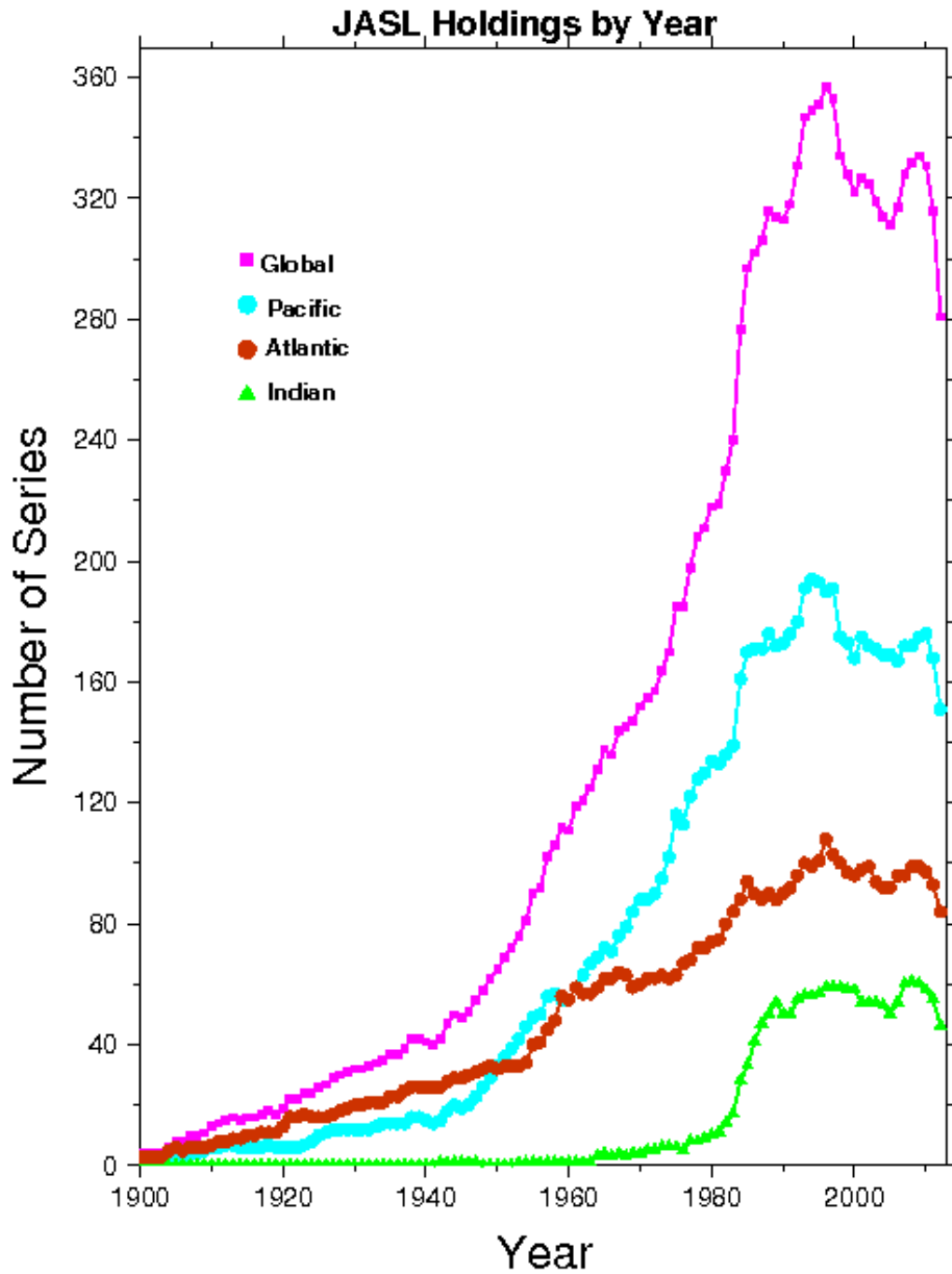


Figure 6. Data distribution by year and ocean in the November 2013 set.

The temporal coverage of the sea level records is depicted in Figure 6. This shows the sharpest rise of data availability starting in the 1980s, mostly a reflection of the TOGA program. The WOCE, CLIVAR, and GLOSS programs have supported continued international data exchange into the 1990s. The maximum in the late 1990s may be related to the contributions of WOCE. A secondary maximum 2009-2010 shows the favorable cooperation of contributing agencies since 2009. The figure also shows the typical time lag from collection to public dissemination, which is on the order of a few years.

2.2. GLOSS Set

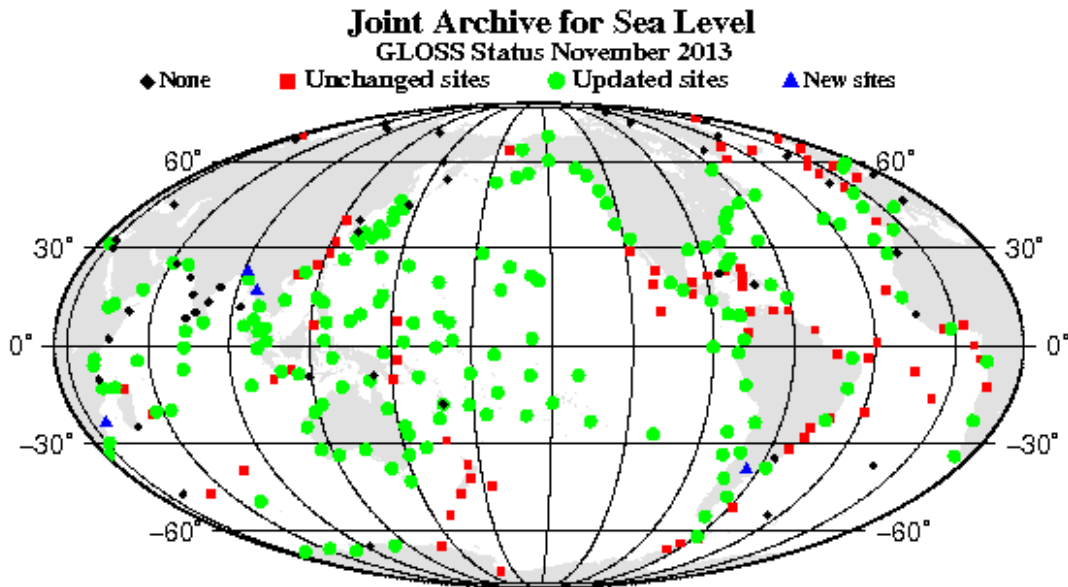


Figure 7. GLOSS Core Network status of JASL data holdings November 2011 relative to May 2009.

The JASL is a Global Sea Level Observing System (GLOSS) archive center for high frequency (hourly) data that have been corrected by the JASL; hence the JASL is a GLOSS product (UNESCO, 2012). The originator's data without corrections for high frequency data are maintained by the BODC. In the 2012 GLOSS station list update, the GLOSS Core Network (GCN) consists of 290 stations. Changes were made to the GLOSS list in 2012, when the following sites were removed: Santana, Brazil; Le Robert, France; and Porto Grande, Cape Verde, Portugal. New sites in the GCN are: Port Vila, Vanuatu (added in 2010); Imbituba, Brazil; and Macae, Brazil. The Flores, Azores, Portugal site had a move to a nearby harbor. The series is now Flores, Lajes, Portugal.

Since November 2011, the JASL has received hourly data for 4 new GCN sites: Chittagong, Bangladesh (which replaced JASL series Charchanga as GLOSS site 036); Inhambane, Mozambique; Moulmein, Myanmar, and Puerto Madryn, Argentina. The total number of unique GLOSS locations in the JASL to 246, or 85% of the total (Figure

7 and Appendix A8). This increases the GCN holdings to 8,741 site-years in the JASL. Multiple series for a single GLOSS site is common. A GLOSS site is not tied to a particular station, which can be destroyed or phased out. Rather, a nominal GLOSS number represents an area. For example, GLOSS site 44 in Singapore has been assigned to Victoria Dock, Keppel Harbour, and Tanjong Pagar.

3. DATA REQUESTS

The archive is presently composed of 670 sites for 15,657 site-years with hourly and daily values. The abundance of JASL data is possible through the generous contributions of over 100 agencies representing over 90 countries (Appendix B). On a quasi-annual basis, the data sets and documentation files are submitted to international data centers (WDC-SS, PSMSL, and BODC). Data can be acquired from these centers or directly from the JASL. Over the most recent year, the JASL served 5,416 requests consisting of 459,187 series-years for 24,141 series.

As of 2012, the JASL no longer provides the monthly mean data. JASL hourly data are provided to the Permanent Service for Mean Sea Level, who maintains the global database of monthly means. This is to ensure only one GLOSS archive exists for the research quality monthly data. Monthly mean data can be acquired at www.psmsl.org/data/obtaining.

Contributors provide data files to the JASL in disparate formats. The uncorrected originator's data sets are placed in a common format of hourly values with time zone in GMT and units in millimeters. This set is provided to the BODC, which is the GLOSS archive center for original high frequency data.

The JASL data are available in a legacy ASCII text format, a spreadsheet-compatible, comma-separated version (CSV) format, and NetCDF.

3.1 World Wide Web

UHSLC has maintained an Internet site since 1994. Users can navigate via lists or through an in-house developed geographical information system. The URL for this site is:

<http://uhslc.soest.hawaii.edu>

There are three modes of data availability:

- 1) **Real-time data** for stations operated by the UHSLC, at the highest available frequency, most often one-minute samples.
- 2) **Fast-delivery (FD)** with preliminary calibration and quality control, typically with a one-month lag from collection, for hourly, daily, and monthly values. Products such as global sea level deviations and anomalies, Pacific tropical

current or upper ocean volume indices, or blended global output from altimetry, are generated monthly.

- 3) **Research quality (JASL)** are the verified hourly and daily data saved for posterity. Formats available are the legacy text, CSV, and netCDF. Series metadata are also provided.

As JASL data become available, the FD set is updated to match the JASL holdings for version control; thus the FD set is inclusive of the JASL set, except for select series in the JASL yet not in the FD. The FD set is also provided through a DODS (OpenDAP) server: <http://ilikai.soest.hawaii.edu/uhs/c/fast.html>.

3.2 Anonymous FTP

The JASL has hourly, daily, monthly values in an "anonymous" FTP account.

For those on Internet, the account may be accessed by typing:

`ftp://ilikai.soest.hawaii.edu/rqds`

or directly following these instructions:

```
ftp ilikai.soest.hawaii.edu
user: anonymous
password: please enter your Internet address
cd rqds
```

Once you have successfully logged on, please see the README file for information and instructions. The ASCII data files in the JASL final archive format are within a subdirectory named "rqds" and are organized by ocean. This FTP account contains the most recent holdings of the JASL data set for series that have been quality controlled and documented. The hourly and daily document and inventory files are updated a few times a year as new sets are added to the JASL.

The hourly data files are grouped by year, then compressed using Info-Zip into a single file per time series. The Info-Zip web site is at <http://www.cdrom.com/pub/infozip> and the software can be directly downloaded from <ftp://ftp.cdrom.com/pub/infozip/>. This freeware zip utility is compatible to most platforms and operating systems.

Software for converting from the JASL legacy format to a generic format can be found at this FTP site in directory /software. There are versions for linux, MSDOS, and Sun (Solaris) operating systems. For each, programs are available for the hourly and daily values.

3.3 Direct Requests

CDROMs are no longer routinely created since the data are readily available via the Internet or FTP. However, a CDROM can be prepared upon request to the JASL. Requests for CDROM or other media can be made by phone, email, or mail:

Joint Archive for Sea Level
Dept. of Oceanography
University of Hawaii at Manoa
1000 Pope Rd. MSB 318
Honolulu, Hawaii 96822 USA
phone: 808-956-4105
fax: 808-956-2352
email: caldwell@hawaii.edu or Patrick.Caldwell@noaa.gov
WWW: <http://ilikai.soest.hawaii.edu/jasl.html>

or

The World Data Center-SS for Oceanography
c/o NOAA/NESDIS/NODC
User Services E/OC1
SSMC3, 4th Floor
1315 East-West Highway
Silver Spring, MD 20910-3282 USA
phone: 301-713-3277 or -3278
fax: 301-713-3302
email: services@nodc.noaa.gov
WWW: <http://www.nodc.noaa.gov>

Some stations may have unresolved problems. These data are retained at the UH Sea Level Center and may be obtained on a case-by-case basis. Questions concerning the data and preparation should be directed to the JASL.

ACKNOWLEDGEMENTS

We are deeply appreciative to the technicians, tide station operators, digitizers, data processors, coordinators, principle investigators, data managers, division chiefs, and directors of the many agencies who have made possible the collection and processing of the raw data and the contribution of the finalized data to the Joint Archive for Sea Level. The UHSLC support of this report and the WDC-SS posterity archive is funded by NOAA Cooperative Agreement [NA11NMF4320128](#). The views expressed herein are those of the authors and do not necessarily reflect the view of NOAA or any of its sub-agencies.

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APPENDICES

A. Station Lists

A.1 2013 Submission to the World Data Center

Pacific Ocean: 331 series with 8,365 site-years; CI: Completeness Index

| JASL | GLOSS | STATION | COUNTRY | ORIGINATOR | YEARS | CI |
|------|-------|------------------|-----------|----------------------|-----------|-----|
| 681A | | San Martin-A | Argentina | Alfred Wegener Inst. | 1995-1995 | 8 |
| 681B | | San Martin-B | Argentina | Alfred Wegener Inst. | 1998-1998 | 5 |
| 681C | | San Martin-C | Argentina | Alfred Wegener Inst. | 1998-1999 | 100 |
| 682A | | Dallmann-A | Argentina | Alfred Wegener Inst. | 1996-1997 | 99 |
| 682B | | Dallmann-B | Argentina | Alfred Wegener Inst. | 1997-1997 | 69 |
| 682C | | Dallmann-C | Argentina | Alfred Wegener Inst. | 1998-1999 | 100 |
| 062A | 124 | Norfolk Island-A | Australia | CSIRO | 1985-1986 | 98 |
| 062B | 124 | Norfolk Island-B | Australia | CSIRO | 1994-1999 | 100 |
| 330A | | Roslyn Bay | Australia | Nat. Tidal Ctr., BOM | 1993-2012 | 100 |
| 331A | 58 | Brisbane | Australia | Nat. Tidal Ctr., BOM | 1984-2012 | 98 |
| 332A | 59 | Bundaberg | Australia | Nat. Tidal Ctr., BOM | 1984-2012 | 99 |
| 333A | 57 | Fort Denison | Australia | Nat. Tidal Ctr., BOM | 1965-2012 | 95 |
| 334A | 60 | Townsville | Australia | Nat. Tidal Ctr., BOM | 1984-2012 | 100 |
| 335A | 56 | Spring Bay | Australia | Nat. Tidal Ctr., BOM | 1985-2012 | 96 |
| 336A | 61 | Booby Island | Australia | Nat. Tidal Ctr., BOM | 1988-2012 | 93 |
| 339A | | Hobart | Australia | Nat. Tidal Ctr., BOM | 1985-2012 | 82 |
| 342A | | Port Kembla | Australia | Nat. Tidal Ctr., BOM | 1991-2012 | 99 |
| 343A | | Cape Ferguson | Australia | Nat. Tidal Ctr., BOM | 1991-2012 | 98 |
| 344A | | Burnie | Australia | Nat. Tidal Ctr., BOM | 1992-2012 | 98 |
| 399A | 148 | Lord Howe-A | Australia | Scripps Inst. Ocean. | 1958-1967 | 80 |
| 399B | 148 | Lord Howe-B | Australia | Nat. Tidal Ctr., BOM | 1991-2012 | 98 |
| 680A | 130 | Macquarie Is.-A | Australia | Nat. Tidal Ctr., BOM | 1912-1913 | 97 |
| 680B | 130 | Macquarie Is.-B | Australia | Nat. Tidal Ctr., BOM | 1968-1972 | 45 |
| 680C | 130 | Macquarie Is.-C | Australia | Nat. Tidal Ctr., BOM | 1993-2007 | 79 |
| 540A | 155 | Prince Rupert-A | Canada | MEDS | 1910-1918 | 79 |
| 540B | 155 | Prince Rupert-B | Canada | MEDS | 1963-2012 | 99 |
| 542A | 156 | Tofino | Canada | MEDS | 1963-2012 | 96 |
| 543A | | Victoria,BC | Canada | MEDS | 1909-2012 | 99 |
| 021A | 176 | Juan Fernandez-A | Chile | UH Sea Level Center | 1977-1984 | 67 |
| 021B | 176 | Juan Fernandez-B | Chile | SHOA | 1985-2012 | 86 |
| 022A | 137 | Easter-A | Chile | SHOA | 1957-1958 | 97 |
| 022B | 137 | Easter-B | Chile | SHOA | 1962-1963 | 100 |

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|-------------|-----|---------------|------------------|-------------------------|-----------|-----|
| 022C | 137 | Easter-C | Chile | SHOA | 1970-2012 | 84 |
| 035A | 177 | San Felix | Chile | SHOA | 1987-2012 | 83 |
| 080A | 174 | Antofagasta | Chile | SHOA | 1945-2012 | 93 |
| 081A | 175 | Valparaiso | Chile | SHOA | 1944-2012 | 86 |
| 083A | | Arica | Chile | SHOA | 1982-1998 | 98 |
| 088A | | Caldera | Chile | SHOA | 1980-1998 | 97 |
| 599A | | Diego Ramirez | Chile | SHOA | 1991-1997 | 95 |
| 684A | 178 | Puerto Montt | Chile | SHOA | 1980-2012 | 95 |
| 329A | 77 | Hong Kong-A | China | Hong Kong Observatory | 1962-1985 | 97 |
| 329B | 77 | Hong Kong-B | China | Hong Kong Observatory | 1986-2012 | 99 |
| 376A | 247 | Xiamen | China | PRC NODC | 1954-1997 | 100 |
| 630A | 79 | Dalian-A | China | PRC NODC | 1975-1990 | 98 |
| 631A | 79 | Laohutan-A | China | PRC NODC | 1991-1997 | 100 |
| 632A | 94 | Kanmen-A | China | PRC NODC | 1975-1997 | 100 |
| 633A | 283 | Lusi-A | China | PRC NODC | 1975-1996 | 98 |
| 635A | 78 | Zhapo-A | China | PRC NODC | 1975-1997 | 100 |
| 636A | | Beihai | China | PRC NODC | 1975-1997 | 100 |
| 637A | | Dongfang | China | PRC NODC | 1975-1997 | 100 |
| 638A | | Haikou | China | PRC NODC | 1976-1997 | 100 |
| 639A | | Lianyungang | China | PRC NODC | 1975-1997 | 100 |
| 641A | | Shanwei | China | PRC NODC | 1975-1997 | 98 |
| 642A | | Shijiusuo | China | PRC NODC | 1975-1997 | 100 |
| 085A | 170 | Buenaventura | Colombia | IDEAM | 1953-2011 | 92 |
| 303A | 171 | Tumaco | Colombia | IDEAM | 1951-2012 | 86 |
| 023A | 139 | Rarotonga-A | Cook Islands | UH Sea Level Center | 1977-1997 | 98 |
| 023B | 139 | Rarotonga-B | Cook Islands | Nat. Tidal Ctr., BOM | 1993-2012 | 97 |
| 024A | 143 | Penrhyn | Cook Islands | UH Sea Level Center | 1977-2012 | 95 |
| 087A | 167 | Quepos-A | Costa Rica | SERMAR | 1961-1994 | 83 |
| 087B | 167 | Quepos-B | Costa Rica | UH Sea Level Center | 2009-2012 | 87 |
| 396A | | Puntarenas | Costa Rica | SERMAR | 1970-1980 | 71 |
| 003A | 169 | Baltra-A | Ecuador | National Ocean Service | 1968-1977 | 93 |
| 003B | 169 | Baltra-B | Ecuador | UH Sea Level Center | 1985-2012 | 87 |
| 030A | | Santa Cruz | Ecuador | UH Sea Level Center | 1978-2012 | 96 |
| 089A | | Manta-A | Ecuador | INOCAR | 1979-1981 | 100 |
| 089B | | Manta-B | Ecuador | INOCAR | 1990-2012 | 79 |
| 091A | 172 | La Libertad | Ecuador | INOCAR | 1949-2012 | 97 |
| 098A | | Esmeraldas | Ecuador | INOCAR | 1990-2012 | 93 |
| 082A | 182 | Acajutla-A | El Salvador | Inst. Geograf. Nacional | 1962-2001 | 96 |
| 082B | 182 | Acajutla-B | El Salvador | Inst. Geograf. Nacional | 2001-2009 | 52 |
| 082C | 182 | Acajutla-C | El Salvador | UH Sea Level Center | 2010-2012 | 99 |
| 086A | | La Union-A | El Salvador | National Ocean Service | 1954-1980 | 77 |
| 086B | | La Union-B | El Salvador | Inst. Geograf. Nacional | 2001-2010 | 74 |
| 001A | 115 | Pohnpei-A | Fd St Micronesia | Scripps Inst. Ocean. | 1969-1971 | 100 |

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|-------------|-----|------------------|------------------|------------------------|-----------|-----|
| 001B | 115 | Pohnpei-B | Fd St Micronesia | UH Sea Level Center | 1974-2004 | 98 |
| 001C | 115 | Pohnpei-C | Fd St Micronesia | Nat. Tidal Ctr., BOM | 2001-2012 | 97 |
| 008A | 119 | Yap-A | Fd St Micronesia | Scripps Inst. Ocean. | 1951-1952 | 100 |
| 008B | 119 | Yap-B | Fd St Micronesia | UH Sea Level Center | 1969-2012 | 90 |
| 029A | 117 | Kapingamarangi | Fd St Micronesia | UH Sea Level Center | 1978-2009 | 94 |
| 054A | 116 | Truk | Fd St Micronesia | National Ocean Service | 1963-1991 | 89 |
| 018A | 122 | Suva-A | Fiji | National Ocean Service | 1972-1997 | 91 |
| 018B | 122 | Suva-B | Fiji | Nat. Tidal Ctr., BOM | 1998-2012 | 99 |
| 402A | | Lautoka | Fiji | Nat. Tidal Ctr., BOM | 1992-2012 | 99 |
| 019A | 123 | Noumea-A | France | UH Sea Level Center | 1967-2003 | 99 |
| 019B | 123 | Noumea-B | France | SHOM | 2005-2012 | 99 |
| 391A | 165 | Clipperton-A | France | NOAA/PMEL | 1985-1985 | 47 |
| 391B | 165 | Clipperton-B | France | NOAA/PMEL | 1986-1988 | 100 |
| 015A | 140 | Papeete-A | French Polynesia | UH Sea Level Center | 1969-1975 | 91 |
| 015B | 140 | Papeete-B | French Polynesia | UH Sea Level Center | 1975-2012 | 97 |
| 016A | 138 | Rikitea | French Polynesia | UH Sea Level Center | 1969-2012 | 93 |
| 017A | | Hiva Oa | French Polynesia | UH Sea Level Center | 1977-1980 | 75 |
| 031A | 142 | Nuku Hiva | French Polynesia | UH Sea Level Center | 1982-2012 | 64 |
| 590A | | Matavai | French Polynesia | Scripps Inst. Ocean. | 1958-1967 | 65 |
| 301A | | Puerto Quetzal-A | Guatemala | UH Sea Level Center | 1983-1984 | 90 |
| 301B | | Puerto Quetzal-B | Guatemala | UH Sea Level Center | 1992-1995 | 77 |
| 301C | | Puerto Quetzal-C | Guatemala | National Ocean Service | 2001-2002 | 100 |
| 670A | | Champerico | Guatemala | Oregon State Univerity | 1974-1975 | 98 |
| 675A | | San Jose | Guatemala | Oregon State Univerity | 1955-1975 | 93 |
| 033A | 69 | Bitung | Indonesia | BAKOSURTANAL | 1986-2012 | 40 |
| 410A | | Lungsurannaga | Indonesia | Japan Ocean. Data Cen. | 1943-1944 | 95 |
| 411A | | Balikpapan | Indonesia | Japan Ocean. Data Cen. | 1942-1943 | 100 |
| 414A | | Bajor | Indonesia | Japan Ocean. Data Cen. | 1943-1944 | 97 |
| 419A | | Lembar | Indonesia | UH Sea Level Center | 2008-2012 | 54 |
| 420A | | Saumlaki | Indonesia | UH Sea Level Center | 2008-2012 | 100 |
| 047A | 103 | Chichijima | Japan | Japan Meteor. Agency | 1975-2012 | 100 |
| 049A | 104 | Minamitorishima | Japan | Japan Meteor. Agency | 1997-2012 | 94 |
| 345A | | Nakano Shima | Japan | Japan Ocean. Data Cen. | 1984-2010 | 99 |
| 347A | 327 | Abashiri | Japan | Japan Meteor. Agency | 1968-2012 | 98 |
| 348A | 326 | Hamada | Japan | Japan Meteor. Agency | 1984-2012 | 96 |
| 349A | 325 | Toyama | Japan | Japan Meteor. Agency | 1967-2012 | 99 |
| 350A | 89 | Kushiro | Japan | Japan Meteor. Agency | 1963-2012 | 97 |
| 351A | 87 | Ofunato | Japan | Japan Meteor. Agency | 1965-2012 | 98 |
| 352A | 86 | Mera | Japan | Japan Meteor. Agency | 1965-2012 | 95 |
| 353A | 85 | Kushimoto | Japan | Japan Meteor. Agency | 1961-2012 | 98 |
| 354A | 82 | Aburatsu | Japan | Japan Meteor. Agency | 1961-2012 | 100 |
| 355A | 81 | Naha | Japan | Japan Meteor. Agency | 1966-2012 | 100 |
| 356A | | Maisaka | Japan | Japan Meteor. Agency | 1968-2012 | 97 |

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|------|-----|-------------------|----------|------------------------|-----------|-----|
| 357A | | Miyakejima | Japan | Japan Ocean. Data Cen. | 1964-2011 | 99 |
| 358A | | Hosojima | Japan | Japan Ocean. Data Cen. | 1933-1975 | 86 |
| 359A | | Naze | Japan | Japan Ocean. Data Cen. | 1957-2010 | 94 |
| 360A | 324 | Wakkanai | Japan | Japan Meteor. Agency | 1967-2012 | 99 |
| 362A | 83 | Nagasaki | Japan | Japan Meteor. Agency | 1985-2012 | 100 |
| 363A | | Nishinoomote | Japan | Japan Ocean. Data Cen. | 1965-2010 | 98 |
| 364A | 88 | Hakodate | Japan | Japan Meteor. Agency | 1964-2012 | 94 |
| 365A | | Ishigaki | Japan | Japan Meteor. Agency | 1969-2012 | 99 |
| 375A | | Hachinohe | Japan | Japan Meteor. Agency | 1980-2011 | 99 |
| 320A | 293 | Cendering | Malaysia | Dept. Survey/Mapping | 1984-2011 | 98 |
| 321A | | Johor Baharu | Malaysia | Dept. Survey/Mapping | 1983-2011 | 95 |
| 322A | | Kuantan | Malaysia | Dept. Survey/Mapping | 1983-2011 | 99 |
| 323A | | Tioman | Malaysia | Dept. Survey/Mapping | 1985-2011 | 97 |
| 324A | | Sedili | Malaysia | Dept. Survey/Mapping | 1986-2011 | 98 |
| 325A | | Kukup | Malaysia | Dept. Survey/Mapping | 1985-2011 | 98 |
| 326A | | Geting | Malaysia | Dept. Survey/Mapping | 1986-2011 | 99 |
| 385A | | Tawau | Malaysia | Dept. Survey/Mapping | 1987-2011 | 96 |
| 386A | | Kota Kinabalu | Malaysia | Dept. Survey/Mapping | 1987-2011 | 93 |
| 387A | | Bintulu | Malaysia | Dept. Survey/Mapping | 1992-2011 | 87 |
| 388A | | Miri | Malaysia | Dept. Survey/Mapping | 1992-2011 | 57 |
| 389A | | Sandakan | Malaysia | Dept. Survey/Mapping | 1993-2011 | 98 |
| 034A | 161 | Cabo San Lucas | Mexico | CICESE | 1973-2003 | 81 |
| 036A | 160 | Guadalupe | Mexico | CICESE | 1977-1985 | 75 |
| 090A | 162 | Socorro | Mexico | CICESE | 1957-1959 | 81 |
| 305A | | Cedros Island | Mexico | CICESE | 1976-1989 | 75 |
| 307A | | San Felipe | Mexico | UNAM | 1982-1986 | 52 |
| 308A | | San Quintin | Mexico | CICESE | 1977-1990 | 97 |
| 310A | | Bahia Los Angeles | Mexico | CICESE | 1973-1994 | 74 |
| 316A | 267 | Acapulco-A,Gro. | Mexico | UNAM | 1952-1995 | 91 |
| 316B | 267 | Acapulco-B,Gro. | Mexico | Secretaria de Marina | 1999-2005 | 88 |
| 316C | 267 | Acapulco-C,Gro. | Mexico | UH Sea Level Center | 2007-2011 | 100 |
| 317A | | Ensenada | Mexico | UNAM | 1956-1991 | 84 |
| 318A | | Puerto Madero | Mexico | UNAM | 1986-1988 | 99 |
| 319A | | Loreto | Mexico | CICESE | 1975-1988 | 73 |
| 393A | | Puerto Vallarta | Mexico | UNAM | 1973-1991 | 40 |
| 394A | | Salina Cruz | Mexico | UNAM | 1952-1991 | 81 |
| 395A | 163 | Manzanillo-A | Mexico | UNAM | 1953-1982 | 95 |
| 395B | 163 | Manzanillo-B | Mexico | National Ocean Service | 1992-2012 | 86 |
| 397A | | Guaymas | Mexico | UNAM | 1953-1986 | 81 |
| 671A | | La Paz | Mexico | UNAM | 1952-1983 | 71 |
| 672A | 164 | Puerto Angel | Mexico | UNAM | 1962-1984 | 74 |
| 673A | | Mazatlan | Mexico | UNAM | 1953-1975 | 97 |
| 674A | | San Carlos | Mexico | UNAM | 1968-1983 | 51 |

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|-------------|-----|------------------|------------------|------------------------|-----------|-----|
| 676A | | Topolobampo | Mexico | UNAM | 1956-1974 | 94 |
| 677A | | Yavaros | Mexico | UNAM | 1970-1973 | 85 |
| 070A | 127 | Auckland | New Zealand | Royal New Zealand Navy | 1984-1988 | 100 |
| 071A | 101 | Wellington | New Zealand | LINZ | 1944-2010 | 97 |
| 072A | 129 | Bluff | New Zealand | LINZ | 1984-2010 | 60 |
| 073A | | Tauranga | New Zealand | LINZ | 1984-2012 | 88 |
| 074A | | Westport | New Zealand | Royal New Zealand Navy | 1984-1985 | 100 |
| 075A | | Wanganui | New Zealand | Royal New Zealand Navy | 1984-1985 | 97 |
| 076A | | Taranaki | New Zealand | LINZ | 1984-2012 | 89 |
| 077A | | Nelson | New Zealand | LINZ | 1984-2012 | 60 |
| 078A | | Gisborne-A | New Zealand | LINZ | 1984-1991 | 86 |
| 078B | | Gisborne-B | New Zealand | LINZ | 2010-2012 | 98 |
| 079A | 128 | Chatham | New Zealand | UH Sea Level Center | 2001-2010 | 51 |
| 398A | | Marsden Point | New Zealand | LINZ | 1975-2012 | 82 |
| 403A | | Jackson | New Zealand | Nat. Tidal Ctr., BOM | 1999-2012 | 100 |
| 663A | 134 | Scott Base | New Zealand | NIWA | 2001-2006 | 92 |
| 665A | | Timaru | New Zealand | LINZ | 1987-2012 | 60 |
| 667A | | Lyttelton | New Zealand | LINZ | 1995-2012 | 97 |
| 668A | | Napier | New Zealand | LINZ | 1989-2012 | 82 |
| 669A | | Port Chalmers | New Zealand | LINZ | 1985-2012 | 63 |
| 679A | | Corinto-A | Nicaragua | National Ocean Service | 1967-1967 | 99 |
| 679B | | Corinto-B | Nicaragua | National Ocean Service | 2001-2001 | 50 |
| 028A | 118 | Saipan-A | N. Mariana Is. | Japan Ocean. Data Cen. | 1938-1940 | 97 |
| 028B | 118 | Saipan-B | N. Mariana Is. | UH Sea Level Center | 1978-2012 | 87 |
| 698A | | Tinian | N. Mariana Is. | USGS | 1991-1997 | 93 |
| 300A | | Naos-A | Panama | Scripps Inst. Ocean. | 1961-1965 | 99 |
| 300B | | Naos-B | Panama | National Ocean Service | 1991-1997 | 84 |
| 302A | 168 | Balboa | Panama | Autoridad Canal Panama | 1907-2012 | 98 |
| 304A | | Pto. Armuelles-A | Panama | Inst. Geograf. Nac. | 1955-1968 | 95 |
| 304B | | Pto. Armuelles-B | Panama | Inst. Geograf. Nac. | 1983-2001 | 94 |
| 010A | 65 | Rabaul | Papua New Guinea | UH Sea Level Center | 1966-1997 | 85 |
| 048A | | Anewa Bay | Papua New Guinea | UH Sea Level Center | 1968-1977 | 85 |
| 063A | | Wewak | Papua New Guinea | CSIRO | 1984-1994 | 82 |
| 064A | | Port Moresby | Papua New Guinea | CSIRO | 1984-1993 | 98 |
| 065A | | Manus | Papua New Guinea | CSIRO | 1984-1994 | 73 |
| 066A | | Madang | Papua New Guinea | CSIRO | 1984-1998 | 81 |
| 067A | | Lae | Papua New Guinea | CSIRO | 1984-1997 | 83 |
| 068A | | Kavieng | Papua New Guinea | CSIRO | 1984-1994 | 95 |
| 069A | 63 | Alotau | Papua New Guinea | CSIRO | 1984-1995 | 62 |
| 400A | 331 | Lombrum | Papua New Guinea | Nat. Tidal Ctr., BOM | 1994-2012 | 93 |
| 084A | | Lobos de Afuera | Peru | DHNM | 1982-2010 | 96 |
| 092A | | Talara-A | Peru | National Ocean Service | 1950-1965 | 92 |
| 092B | | Talara-B | Peru | DHNM | 1988-2012 | 77 |

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|-------------|-----|------------------|------------------|------------------------|-----------|-----|
| 093A | 173 | Callao-A | Peru | National Ocean Service | 1950-1965 | 98 |
| 093B | 173 | Callao-B | Peru | DHNM | 1970-2012 | 97 |
| 094A | | Matarani-A | Peru | National Ocean Service | 1954-1964 | 98 |
| 094B | | Matarani-B | Peru | DHNM | 1992-2012 | 85 |
| 096A | | San Juan-A | Peru | DHNM | 1978-2003 | 80 |
| 096B | | San Juan-B | Peru | DHNM | 2003-2012 | 95 |
| 678A | | Paita-A | Peru | National Ocean Service | 1981-1984 | 100 |
| 678B | | Paita-B | Peru | DHNM | 1988-2012 | 84 |
| 683A | | Pisco-A | Peru | DHNM | 1985-1990 | 67 |
| 683B | | Pisco-B | Peru | DHNM | 1991-2012 | 74 |
| 370A | 73 | Manila-A | Philippines | Ocean. Surveys Div. | 1984-2012 | 91 |
| 370B | 73 | Manila-B | Philippines | UH Sea Level Center | 2006-2012 | 99 |
| 371A | 72 | Legaspi | Philippines | Ocean. Surveys Div. | 1984-2012 | 86 |
| 372A | 71 | Davao-A | Philippines | Ocean. Surveys Div. | 1984-1997 | 92 |
| 372B | 71 | Davao-B | Philippines | Ocean. Surveys Div. | 1998-2012 | 57 |
| 373A | 70 | Jolo | Philippines | Ocean. Surveys Div. | 1984-1995 | 86 |
| 379A | | Cebu | Philippines | Ocean. Surveys Div. | 1998-2012 | 81 |
| 380A | | Puerto Princesa | Philippines | Ocean. Surveys Div. | 1998-2012 | 87 |
| 382A | | Subic Bay | Philippines | UH Sea Level Center | 2007-2012 | 100 |
| 654A | | Currimaos | Philippines | UH Sea Level Center | 2009-2012 | 99 |
| 655A | | Lubang | Philippines | UH Sea Level Center | 2010-2012 | 100 |
| 338A | | Macau | Portugal | Inst. Hidro. Marinha | 1978-1985 | 80 |
| 005A | 112 | Majuro-A | Rep. Marshall I. | UH Sea Level Center | 1968-1999 | 92 |
| 005B | 112 | Majuro-B | Rep. Marshall I. | Nat. Tidal Ctr., BOM | 1993-2012 | 98 |
| 006A | | Enewetok-A | Rep. Marshall I. | Scripps Inst. Ocean. | 1951-1971 | 98 |
| 006B | | Enewetok-B | Rep. Marshall I. | UH Sea Level Center | 1974-1979 | 94 |
| 055A | 111 | Kwajalein | Rep. Marshall I. | National Ocean Service | 1946-2012 | 98 |
| 007A | 120 | Malakal-A | Rep. of Belau | Japan Ocean. Data Cen. | 1926-1939 | 92 |
| 007B | 120 | Malakal-B | Rep. of Belau | UH Sea Level Center | 1969-2012 | 96 |
| 340A | | Kaohsiung | Rep. of China | Central Weather Bureau | 1980-2012 | 98 |
| 341A | | Keelung | Rep. of China | Central Weather Bureau | 1980-2012 | 85 |
| 002A | 113 | Tarawa-A,Betio | Rep. of Kiribati | UH Sea Level Center | 1974-1983 | 78 |
| 002B | 113 | Tarawa-B,Bairiki | Rep. of Kiribati | UH Sea Level Center | 1983-1988 | 98 |
| 002C | 113 | Tarawa-C,Betio | Rep. of Kiribati | UH Sea Level Center | 1988-1997 | 100 |
| 002D | 113 | Tarawa-D,Betio | Rep. of Kiribati | Nat. Tidal Ctr., BOM | 1992-2012 | 93 |
| 011A | 146 | Christmas-A | Rep. of Kiribati | Scripps Inst. Ocean. | 1955-1972 | 89 |
| 011B | 146 | Christmas-B | Rep. of Kiribati | UH Sea Level Center | 1974-2012 | 94 |
| 012A | | Fanning-A | Rep. of Kiribati | Scripps Inst. Ocean. | 1957-1958 | 88 |
| 012B | | Fanning-B | Rep. of Kiribati | UH Sea Level Center | 1972-1987 | 95 |
| 012C | | Fanning-C | Rep. of Kiribati | UH Sea Level Center | 1988-1990 | 78 |
| 013A | 145 | Kanton-A | Rep. of Kiribati | Scripps Inst. Ocean. | 1949-1967 | 100 |
| 013B | 145 | Kanton-B | Rep. of Kiribati | UH Sea Level Center | 1972-2012 | 88 |
| 004A | 114 | Nauru-A | Rep. of Nauru | UH Sea Level Center | 1974-1995 | 95 |

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|-------------|-----|-------------------|-----------------|------------------------|-----------|-----|
| 004B | 114 | Nauru-B | Rep. of Nauru | Nat. Tidal Ctr., BOM | 1993-2012 | 92 |
| 626A | 309 | Providenya-A | Russia | Inst. Hydromet. Infor. | 1977-1985 | 100 |
| 626B | 309 | Providenya-B | Russia | Inst. Hydromet. Infor. | 1986-1989 | 100 |
| 327A | 44 | Keppel Harbour | Singapore | Port Singapore Auth. | 1981-1990 | 99 |
| 337A | 44 | Victoria Dock | Singapore | Port Singapore Auth. | 1972-1981 | 95 |
| 699A | 44 | Tanjong Pagar | Singapore | Port Singapore Auth. | 1988-2011 | 95 |
| 009A | 66 | Honiara-A | Solomon Islands | UH Sea Level Center | 1974-1995 | 98 |
| 009B | 66 | Honiara-B | Solomon Islands | Nat. Tidal Ctr., BOM | 1994-2012 | 98 |
| 328A | 39 | Ko Lak | Thailand | Naval Hydro. Dept. | 1985-2012 | 94 |
| 038A | 125 | Nuku'alofa | Tonga | Nat. Tidal Ctr., BOM | 1990-2012 | 98 |
| 025A | 121 | Funafuti-A | Tuvalu | UH Sea Level Center | 1977-1999 | 97 |
| 025B | 121 | Funafuti-B | Tuvalu | Nat. Tidal Ctr., BOM | 1993-2012 | 97 |
| 014A | 107 | French Frigate-A | USA | UH Sea Level Center | 1974-2007 | 95 |
| 014B | 107 | French Frigate-B | USA | UH Sea Level Center | 2007-2012 | 80 |
| 026A | | Honolulu,Kewalo | USA | UH Sea Level Center | 1978-1986 | 96 |
| 027A | | Honolulu,Pier 45 | USA | UH Sea Level Center | 1985-1988 | 100 |
| 039A | | Kodiak,Alaska | USA | National Ocean Service | 1975-2012 | 86 |
| 040A | 302 | Adak,Alaska | USA | National Ocean Service | 1950-2012 | 92 |
| 041A | 102 | Dutch Harbor-A,AK | USA | National Ocean Service | 1950-1955 | 100 |
| 041B | 102 | Dutch Harbor-B,AK | USA | National Ocean Service | 1982-2012 | 97 |
| 045A | | Jarvis | USA | UH Sea Level Center | 1957-1957 | 27 |
| 057A | 108 | Honolulu-A | USA | National Ocean Service | 1877-1892 | 32 |
| 057B | 108 | Honolulu-B | USA | National Ocean Service | 1905-2012 | 98 |
| 058A | | Nawiliwili | USA | National Ocean Service | 1954-2012 | 99 |
| 059A | | Kahului | USA | National Ocean Service | 1950-2012 | 93 |
| 060A | 287 | Hilo | USA | National Ocean Service | 1927-2012 | 83 |
| 061A | | Mokuoloe | USA | National Ocean Service | 1957-2012 | 81 |
| 313A | | Catalina-A | USA | Scripps Inst. Ocean. | 1978-1979 | 96 |
| 313B | | Catalina-B | USA | Scripps Inst. Ocean. | 1980-1988 | 86 |
| 547A | | Barbers Point,HI | USA | UH Sea Level Center | 2009-2012 | 82 |
| 548A | | Kaunapali,HI | USA | UH Sea Level Center | 2007-2012 | 99 |
| 550A | | Massacre Bay,AK | USA | National Ocean Service | 1943-1966 | 88 |
| 551A | 158 | San Francisco,CA | USA | National Ocean Service | 1897-2012 | 100 |
| 552A | | Kawaihae,HI | USA | National Ocean Service | 1989-2005 | 91 |
| 553A | | Port Allen,HI | USA | National Ocean Service | 1989-1997 | 98 |
| 554A | 159 | La Jolla,CA | USA | National Ocean Service | 1924-2012 | 94 |
| 555A | | Monterey,CA | USA | National Ocean Service | 1973-2012 | 100 |
| 556A | | Crescent City,CA | USA | National Ocean Service | 1933-2012 | 91 |
| 557A | | Port Orford,OR | USA | National Ocean Service | 1996-2012 | 82 |
| 558A | | Neah Bay,WA | USA | National Ocean Service | 1934-2012 | 97 |
| 559A | 154 | Sitka,AK | USA | National Ocean Service | 1938-2012 | 99 |
| 560A | 150 | Seward-A,AK | USA | National Ocean Service | 1925-1932 | 98 |
| 560B | 150 | Seward-B,AK | USA | National Ocean Service | 1944-1949 | 77 |

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|------|-----|-------------------|---------------|------------------------|-----------|-----|
| 560C | 150 | Seward-C,AK | USA | National Ocean Service | 1967-2012 | 88 |
| 561A | | Seldovia,AK | USA | National Ocean Service | 1975-2012 | 89 |
| 562A | | Valdez,AK | USA | National Ocean Service | 1973-2012 | 90 |
| 564A | | Willapa Bay,WA | USA | National Ocean Service | 1972-2012 | 96 |
| 565A | | Port San Luis,CA | USA | National Ocean Service | 1948-2012 | 90 |
| 567A | | Los Angeles,CA | USA | National Ocean Service | 1923-2012 | 99 |
| 569A | | San Diego,CA | USA | National Ocean Service | 1906-2012 | 97 |
| 570A | | Yakutat,AK | USA | National Ocean Service | 1961-2012 | 92 |
| 571A | | Ketchikan,AK | USA | National Ocean Service | 1918-2012 | 75 |
| 572A | | Astoria,OR | USA | National Ocean Service | 1925-2012 | 98 |
| 573A | | Arena Cove,CA | USA | National Ocean Service | 1996-2012 | 100 |
| 574A | 100 | Sand Point,AK | USA | National Ocean Service | 1973-2012 | 97 |
| 575A | | Charleston,OR | USA | National Ocean Service | 1978-2012 | 99 |
| 576A | | Humboldt Bay,CA | USA | National Ocean Service | 1993-2012 | 99 |
| 577A | | Santa Barbara,CA | USA | National Ocean Service | 1996-2012 | 57 |
| 578A | | Santa Monica,CA | USA | National Ocean Service | 1973-2012 | 94 |
| 579A | 151 | Prudhoe Bay,AK | USA | National Ocean Service | 1993-2012 | 100 |
| 583A | | Cordova-A,AK | USA | National Ocean Service | 1949-1953 | 94 |
| 583B | | Cordova-B,AK | USA | National Ocean Service | 1964-2012 | 87 |
| 584A | | Port Angeles,WA | USA | National Ocean Service | 1979-2012 | 72 |
| 592A | 157 | South Beach,OR | USA | National Ocean Service | 1967-2012 | 99 |
| 594A | | Harvest Oil P.,CA | USA | National Ocean Service | 1995-2012 | 61 |
| 595A | 74 | Nome, AK | USA | National Ocean Service | 1992-2012 | 83 |
| 037A | | Pago Bay, Guam | USA Trust | National Ocean Service | 2004-2012 | 91 |
| 043A | | Palmyra | USA Trust | National Ocean Service | 1947-1949 | 95 |
| 050A | 106 | Midway | USA Trust | National Ocean Service | 1947-2012 | 94 |
| 051A | 105 | Wake | USA Trust | National Ocean Service | 1950-2012 | 93 |
| 052A | 109 | Johnston | USA Trust | UH Sea Level Center | 1947-2012 | 91 |
| 053A | 149 | Guam | USA Trust | National Ocean Service | 1948-2012 | 93 |
| 056A | 144 | Pago Pago | USA Trust | National Ocean Service | 1948-2012 | 96 |
| 046A | | Port Vila-A | Vanuatu | unconfirmed | 1977-1982 | 87 |
| 046B | | Port Vila-B | Vanuatu | Nat. Tidal Ctr., BOM | 1993-2012 | 95 |
| 381A | 75 | Qui Nhon-A | Vietnam | Mar. Hydromet. Center | 1994-2005 | 58 |
| 381B | 75 | Qui Nhon-B | Vietnam | UH Sea Level Center | 2007-2012 | 81 |
| 383A | | Vung Tau-A | Vietnam | Mar. Hydromet. Center | 1986-2002 | 97 |
| 383B | | Vung Tau-B | Vietnam | UH Sea Level Center | 2007-2012 | 98 |
| 650A | | Hon Dau-A | Vietnam | Mar. Hydromet. Center | 1960-1960 | 100 |
| 650B | | Hon Dau-B | Vietnam | TEDIPOPT | 1995-1995 | 75 |
| 651A | | Vung Ang | Vietnam | TEDIPOPT | 1996-1997 | 100 |
| 401A | | Apia-A | Western Samoa | Scripps Inst. Ocean. | 1954-1971 | 88 |
| 401B | | Apia-B | Western Samoa | Nat. Tidal Ctr., BOM | 1993-2012 | 96 |

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| JASL | GLOSS | STATION | COUNTRY | ORIGINATOR | YEARS | CI |
|-------------|--------------|------------------|----------------|------------------------|--------------|-----------|
| 100A | | Port Stanvac | Australia | Nat. Tidal Ctr., BOM | 1992-2010 | 99 |
| 128A | 308 | Thevenard | Australia | Nat. Tidal Ctr., BOM | 1992-2012 | 100 |
| 129A | 55 | Portland, Vict. | Australia | Nat. Tidal Ctr., BOM | 1991-2012 | 99 |
| 130A | 278 | Casey | Australia | Nat. Tidal Ctr., BOM | 1996-2008 | 82 |
| 132A | | Hillarys | Australia | Nat. Tidal Ctr., BOM | 1992-2012 | 100 |
| 145A | | Groote Eylandt | Australia | Nat. Tidal Ctr., BOM | 1993-2012 | 99 |
| 165A | | Wyndham | Australia | Nat. Tidal Ctr., BOM | 1984-2012 | 97 |
| 166A | 40 | Broome | Australia | Nat. Tidal Ctr., BOM | 1986-2012 | 88 |
| 167A | 52 | Carnarvon | Australia | Nat. Tidal Ctr., BOM | 1984-2012 | 86 |
| 168A | 62 | Darwin | Australia | Nat. Tidal Ctr., BOM | 1984-2012 | 98 |
| 169A | 51 | Port Hedland | Australia | Nat. Tidal Ctr., BOM | 1984-2012 | 98 |
| 170A | 47 | Christmas | Australia | Nat. Tidal Ctr., BOM | 1986-2009 | 24 |
| 171A | 46 | Cocos | Australia | Nat. Tidal Ctr., BOM | 1985-2012 | 96 |
| 173A | 277 | Davis | Australia | Nat. Tidal Ctr., BOM | 1993-2010 | 94 |
| 175A | 53 | Fremantle | Australia | Nat. Tidal Ctr., BOM | 1984-2012 | 100 |
| 176A | 54 | Esperance | Australia | Nat. Tidal Ctr., BOM | 1985-2012 | 98 |
| 177A | 22 | Mawson | Australia | Nat. Tidal Ctr., BOM | 1992-2009 | 94 |
| 182A | | Mina Sulman | Bahrain | Survey Directorate | 1979-2007 | 68 |
| 124A | 36 | Chittagong | Bangladesh | UH Sea Level Center | 2007-2012 | 97 |
| 134A | | Hiron Point | Bangladesh | BIWTA | 1977-2003 | 99 |
| 135A | | Khal #10 | Bangladesh | BIWTA | 1983-1992 | 62 |
| 136A | | Cox's Bazaar | Bangladesh | BIWTA | 1983-2006 | 89 |
| 137A | | Teknaf | Bangladesh | BIWTA | 1983-1988 | 59 |
| 138A | 36 | Charchanga | Bangladesh | BIWTA | 1980-2000 | 97 |
| 139A | | Khepupara | Bangladesh | BIWTA | 1987-2000 | 96 |
| 164A | 17 | Reunion | France | SHOM | 1982-1986 | 93 |
| 178A | 21 | Crozet-A | France | LEGOS/OMP | 1995-1999 | 52 |
| 178B | 21 | Crozet-B | France | LEGOS/OMP | 2000-2001 | 76 |
| 179A | 24 | Saint Paul | France | LEGOS/OMP | 1994-2006 | 92 |
| 180A | 23 | Kerguelen | France | LEGOS/OMP | 1993-2012 | 99 |
| 189A | 131 | Dumont d'Urville | France | LEGOS/OMP | 2008-2010 | 93 |
| 107A | 45 | Padang-A | Indonesia | BAKOSURTANAL | 1986-1998 | 53 |
| 107B | 45 | Padang-B | Indonesia | BAKOSURTANAL | 2005-2012 | 94 |
| 122A | | Sibolga-A | Indonesia | BAKOSURTANAL | 1989-2004 | 89 |
| 122B | | Sibolga-B | Indonesia | BAKOSURTANAL | 2005-2008 | 99 |
| 123A | 347 | Sabang | Indonesia | BAKOSURTANAL | 2005-2012 | 78 |
| 125A | | Priqi | Indonesia | UH Sea Level Center | 2007-2012 | 95 |
| 133A | 68 | Ambon-A | Indonesia | BAKOSURTANAL | 1992-2004 | 46 |
| 133B | 68 | Ambon-B | Indonesia | BAKOSURTANAL | 2008-2012 | 43 |
| 158A | | Meneng | Indonesia | Center for Ocean. Res. | 1987-1989 | 94 |
| 159A | | Pari | Indonesia | Center for Ocean. Res. | 1987-1990 | 84 |

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|-------------|-----|----------------|------------------|------------------------|-----------|-----|
| 160A | 292 | Surabaya | Indonesia | BAKOSURTANAL | 1984-2004 | 81 |
| 161A | | Jakarta | Indonesia | BAKOSURTANAL | 1984-2004 | 62 |
| 162A | 291 | Cilacap-A | Indonesia | BAKOSURTANAL | 1984-2004 | 40 |
| 162B | 291 | Cilacap-B | Indonesia | UH Sea Level Center | 2007-2012 | 99 |
| 163A | 49 | Benoa-A | Indonesia | BAKOSURTANAL | 1988-2004 | 69 |
| 163B | 49 | Benoa-B | Indonesia | UH Sea Level Center | 2006-2012 | 86 |
| 915A | 337 | Chabahar | Iran | HDNCC | 2007-2013 | 98 |
| 127A | 95 | Syowa | Japan | Japan Ocean. Data Cen. | 1987-2010 | 95 |
| 101A | 8 | Mombasa | Kenya | UH Sea Level Center | 1986-2012 | 71 |
| 149A | | Lamu-A | Kenya | Kenya Marine Fisheries | 1989-1989 | 68 |
| 149B | | Lamu-B | Kenya | UH Sea Level Center | 1995-2012 | 97 |
| 150A | 15 | Nosy Be | Madagascar | CNRO | 1987-2000 | 59 |
| 140A | | Kelang | Malaysia | Dept. Survey/Mapping | 1983-2011 | 96 |
| 141A | | Keling | Malaysia | Dept. Survey/Mapping | 1984-2011 | 99 |
| 142A | | Langkawi | Malaysia | Dept. Survey/Mapping | 1985-2012 | 99 |
| 143A | 43 | Lumut | Malaysia | Dept. Survey/Mapping | 1984-2011 | 97 |
| 144A | | Penang | Malaysia | Dept. Survey/Mapping | 1984-2011 | 97 |
| 103A | 18 | Port Louis-A | Mauritius | Inst. Ocean. Sciences | 1942-1947 | 90 |
| 103B | 18 | Port Louis-B | Mauritius | Inst. Ocean. Sciences | 1964-1965 | 86 |
| 103C | 18 | Port Louis-C | Mauritius | UH Sea Level Center | 1986-2012 | 99 |
| 105A | 19 | Rodrigues | Mauritius | UH Sea Level Center | 1986-2012 | 97 |
| 155A | 96 | Dzaoudzi | Mayotte | SHOM | 1985-2012 | 36 |
| 900A | 10 | Inhambane | Mozambique | INAHINA | 2011-2011 | 20 |
| 190A | | Maputo-A | Mozambique | Inst. Hidro. Marinha | 1974-1974 | 100 |
| 190B | | Maputo-B | Mozambique | INAHINA | 1981-1986 | 49 |
| 191A | | Antonio Enes | Mozambique | Inst. Hidro. Marinha | 1967-1967 | 31 |
| 192A | 11 | Pemba-A | Mozambique | Inst. Hidro. Marinha | 1971-1973 | 25 |
| 192B | 11 | Pemba-B | Mozambique | INAHINA | 1982-1984 | 64 |
| 192C | 11 | Pemba-C | Mozambique | INAHINA | 2007-2013 | 48 |
| 193A | | Nacala-A | Mozambique | Inst. Hidro. Marinha | 1975-1975 | 18 |
| 193B | | Nacala-B | Mozambique | Inst. Hidro. Marinha | 1982-1983 | 100 |
| 906A | 141 | Moulmein | Myanmar | UH Sea Level Center | 2006-2012 | 68 |
| 907A | 37 | Akyab (Sittwe) | Myanmar | UH Sea Level Center | 2006-2012 | 55 |
| 110A | | Muscat-A | Oman | UH Sea Level Center | 1987-1993 | 77 |
| 110B | | Muscat-B | Oman | UH Sea Level Center | 2009-2012 | 89 |
| 113A | | Masirah | Oman | UH Sea Level Center | 1996-2012 | 81 |
| 114A | 4 | Salalah | Oman | UH Sea Level Center | 1989-2012 | 84 |
| 147A | 30 | Karachi-A | Pakistan | Nat. Inst. of Ocean. | 1985-1994 | 83 |
| 147B | 30 | Karachi-B | Pakistan | PNHD | 2007-2013 | 99 |
| 119A | 2 | Djibouti | Rep. of Djibouti | Port of Djibouti | 2007-2013 | 87 |
| 108A | 28 | Male-A | Rep. of Maldives | Lanka Hydraulic Inst. | 1988-1989 | 100 |
| 108B | 28 | Male-B,Hulule | Rep. of Maldives | UH Sea Level Center | 1989-2012 | 94 |

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|------|-----|-----------------|------------------|------------------------|-----------|-----|
| 109A | 27 | Gan | Rep. of Maldives | UH Sea Level Center | 1987-2012 | 92 |
| 117A | | Hanimaadhoo-A | Rep. of Maldives | UH Sea Level Center | 1991-2002 | 98 |
| 117B | | Hanimaadhoo-B | Rep. of Maldives | UH Sea Level Center | 2002-2012 | 91 |
| 106A | | Praslin | Seychelles | UH Sea Level Center | 1987-1989 | 89 |
| 111A | | Port Victoria-A | Seychelles | Inst. Ocean. Sciences | 1977-1982 | 84 |
| 111B | | Port Victoria-B | Seychelles | UH Sea Level Center | 1986-1992 | 96 |
| 121A | 339 | Pt. La Rue | Seychelles | UH Sea Level Center | 1993-2012 | 98 |
| 181A | 13 | Durban | South Africa | SANHO | 1970-2011 | 65 |
| 184A | 76 | Port Elizabeth | South Africa | SANHO | 1973-2011 | 71 |
| 185A | | Mossel Bay | South Africa | SANHO | 1964-2012 | 73 |
| 186A | | Knysna | South Africa | SANHO | 1966-2012 | 63 |
| 187A | | East London | South Africa | SANHO | 1965-2011 | 57 |
| 188A | | Richard's Bay | South Africa | SANHO | 1977-2011 | 55 |
| 115A | 33 | Colombo-A | Sri Lanka | Nat. Aquatic Resources | 1953-1965 | 94 |
| 115B | 33 | Colombo-B | Sri Lanka | UH Sea Level Center | 1989-1992 | 96 |
| 115C | 33 | Colombo-C | Sri Lanka | UH Sea Level Center | 2006-2012 | 100 |
| 102A | | Dar Es Salaam | Tanzania | UH Sea Level Center | 1986-1990 | 87 |
| 151A | 297 | Zanzibar | Tanzania | UH Sea Level Center | 1984-2012 | 96 |
| 148A | 42 | Ko Taphao Noi | Thailand | Naval Hydro. Dept. | 1985-2012 | 97 |
| 104B | 26 | Diego Garcia-B | United Kingdom | Scripps Inst. Ocean. | 1969-1969 | 41 |
| 104C | 26 | Diego Garcia-C | United Kingdom | UH Sea Level Center | 1988-2000 | 80 |
| 104D | 26 | Diego Garcia-D | United Kingdom | UH Sea Level Center | 2003-2012 | 81 |
| 172A | 3 | Aden | Yemen | Port of Aden | 2007-2013 | 95 |

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| JASL | GLOSS | STATION | COUNTRY | ORIGINATOR | YEARS | CI |
|------|-------|-------------------|-----------|------------------------|-----------|-----|
| 236A | | Luanda | Angola | Inst. Hidro. Marinha | 1972-1975 | 100 |
| 237A | 262 | Lobito | Angola | Inst. Hidro. Marinha | 1971-1975 | 88 |
| 238A | | Mocamedes | Angola | Inst. Hidro. Marinha | 1971-1975 | 98 |
| 285A | | Buenos Aires | Argentina | Ser. Hidro. Naval | 1905-1961 | 100 |
| 286A | 190 | Puerto Deseado-A | Argentina | Ser. Hidro. Naval | 1988-1989 | 87 |
| 286B | 190 | Puerto Deseado-B | Argentina | UH Sea Level Center | 2010-2012 | 89 |
| 600A | 181 | Ushuaia | Argentina | National Ocean Service | 1996-2010 | 61 |
| 601A | 185 | Esperanza | Argentina | National Ocean Service | 1996-1998 | 86 |
| 729A | 192 | Mar Del Plata-A | Argentina | UH Sea Level Center | 2004-2009 | 98 |
| 729B | 192 | Mar Del Plata-B | Argentina | UH Sea Level Center | 2010-2012 | 99 |
| 731A | 191 | Puerto Madryn | Argentina | UH Sea Level Center | 2010-2012 | 100 |
| 256A | 12 | Exuma Cays | Bahamas | HBOI | 1992-1993 | 99 |
| 257A | 211 | Settlement Pnt.-A | Bahamas | National Ocean Service | 1985-2002 | 91 |
| 257B | 211 | Settlement Pnt.-B | Bahamas | UH Sea Level Center | 2002-2012 | 87 |
| 727A | | Nassau | Bahamas | National Ocean Service | 1904-1905 | 100 |
| 249A | | Bridgetown-A | Barbados | National Ocean Service | 1968-1970 | 98 |

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|-------------|-----|-------------------|------------------|-------------------------|-----------|-----|
| 249B | | Bridgetown-B | Barbados | Gov. of Barbados | 1990-1991 | 92 |
| 249C | | Bridgetown-C | Barbados | Gov. of Barbados | 1993-1996 | 45 |
| 249D | | Bridgetown-D | Barbados | Gov. of Barbados | 2008-2010 | 80 |
| 201A | 199 | St. Peter&Paul R. | Brazil | ORSTOM | 1982-1985 | 99 |
| 202A | | Natal-A | Brazil | ORSTOM | 1982-1983 | 100 |
| 202B | | Natal-B | Brazil | ORSTOM | 1983-1984 | 99 |
| 202C | | Natal-C | Brazil | ORSTOM | 1984-1985 | 100 |
| 203A | 198 | Fer. de Nor.-A | Brazil | ORSTOM | 1982-1983 | 100 |
| 203B | 198 | Fer. de Nor.-B | Brazil | ORSTOM | 1984-1985 | 100 |
| 203C | 198 | Fer. de Nor.-C | Brazil | LPAO/INPE | 1985-1986 | 100 |
| 204A | 265 | Trindade | Brazil | ORSTOM | 1983-1983 | 16 |
| 229A | | Belem | Brazil | National Ocean Service | 1955-1968 | 96 |
| 280A | 195 | Rio de Janeiro | Brazil | Dir. Hidro. e Navegacao | 1963-2012 | 95 |
| 281A | 194 | Cananeaia | Brazil | Inst. Ocean. USP | 1954-2006 | 99 |
| 283A | 336 | Fortaleza-A | Brazil | National Ocean Service | 1955-1968 | 95 |
| 283B | 336 | Fortaleza-B | Brazil | LPAO/INPE | 1995-1998 | 100 |
| 283C | 336 | Fortaleza-C | Brazil | UH Sea Level Center | 2008-2012 | 100 |
| 284A | | Termisa | Brazil | LPAO/INPE | 1993-1995 | 97 |
| 707A | | Canavieiras | Brazil | National Ocean Service | 1956-1961 | 95 |
| 708A | 334 | Salvador,USCGS | Brazil | National Ocean Service | 1955-1964 | 92 |
| 708B | 334 | Salvador-B | Brazil | UHSLC/DHN/IBGE | 2004-2012 | 97 |
| 709A | 195 | R.Janeiro,USCGS | Brazil | National Ocean Service | 1955-1968 | 70 |
| 710A | | Suape | Brazil | LPAO/INPE | 1982-1984 | 98 |
| 711A | | Luis Corriea | Brazil | LPAO/INPE | 1984-1985 | 100 |
| 712A | | Recife,USCGS | Brazil | National Ocean Service | 1955-1968 | 86 |
| 714A | 193 | Porto Rio Grande | Brazil | Dir. Hidro. e Navegacao | 1981-2003 | 22 |
| 715A | 200 | Madeira | Brazil | Dir. Hidro. e Navegacao | 1988-2003 | 85 |
| 716A | 201 | Santana-A | Brazil | Dir. Hidro. e Navegacao | 1970-1972 | 100 |
| 716B | 201 | Santana-B | Brazil | Dir. Hidro. e Navegacao | 1975-1976 | 100 |
| 716C | 201 | Santana-C | Brazil | Dir. Hidro. e Navegacao | 1984-1985 | 100 |
| 716D | 201 | Santana-D | Brazil | Dir. Hidro. e Navegacao | 1996-1997 | 100 |
| 716E | 201 | Santana-E | Brazil | IBGE | 2006-2007 | 93 |
| 717A | 201 | Santana SSN-A | Brazil | Dir. Hidro. e Navegacao | 1994-1995 | 99 |
| 717B | 201 | Santana SSN-B | Brazil | Dir. Hidro. e Navegacao | 1999-2000 | 99 |
| 718A | | Imbituba | Brazil | IBGE | 2001-2007 | 79 |
| 719A | | Macaee | Brazil | IBGE | 2001-2007 | 86 |
| 781A | | Belize | British Honduras | National Ocean Service | 1964-1967 | 84 |
| 816A | 350 | Port Sonara | Cameroon | SNR | 2008-2011 | 83 |
| 274A | | Churchill | Canada | MEDS | 1961-2012 | 92 |
| 275A | 222 | Halifax | Canada | MEDS | 1920-2011 | 98 |
| 276A | 223 | St. John's-A | Canada | MEDS | 1961-1993 | 96 |
| 276B | 223 | St. John's-B | Canada | MEDS | 1993-2011 | 96 |

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|-------------|-----|------------------|-------------------|------------------------|-----------|-----|
| 705A | | L. Cornwallis I. | Canada | MEDS | 1986-1994 | 100 |
| 833A | 224 | Nain | Canada | MEDS | 2001-2011 | 79 |
| 222A | | Praia-A | Cape Verde | ORSTOM | 1984-1985 | 100 |
| 222C | | Praia-C | Cape Verde | National Ocean Service | 1995-1996 | 64 |
| 287A | | Puerto Williams | Chile | SHOA | 1985-1998 | 88 |
| 730A | 189 | Base Prat-A | Chile | SHOA | 1984-2002 | 96 |
| 730B | 189 | Base Prat-B | Chile | SHOA | 2011-2012 | 68 |
| 265A | 207 | Cartagena-A | Colombia | IDEAM | 1951-1993 | 90 |
| 265B | 207 | Cartagena-B | Colombia | IDEAM | 1993-2011 | 63 |
| 737A | | San Andres | Colombia | IDEAM | 1997-2011 | 55 |
| 234A | 261 | Pointe Noire-A | Congo | ORSTOM | 1980-1988 | 77 |
| 234B | 261 | Pointe Noire-B | Congo | PAPN | 2008-2013 | 95 |
| 268A | | Limon-A | Costa Rica | SERMAR | 1970-1981 | 66 |
| 268B | | Limon-B | Costa Rica | UH Sea Level Center | 2009-2012 | 100 |
| 239A | 215 | Siboney | Cuba | Inst. Cubano De Hidro. | 1990-1990 | 99 |
| 244A | 276 | Gibara | Cuba | Inst. Cubano De Hidro. | 1985-1992 | 100 |
| 251A | | Guantanamo Bay-A | Cuba | National Ocean Service | 1937-1948 | 81 |
| 251B | | Guantanamo Bay-B | Cuba | National Ocean Service | 1995-1997 | 89 |
| 778A | | Willemstad | Curacao | UH Sea Level Center | 2011-2012 | 100 |
| 296A | | Sisimiut | Denmark | Danish Navig./Hydro. | 1991-1998 | 85 |
| 297A | 228 | Ammassalik | Denmark | Danish Navig./Hydro. | 1990-1998 | 78 |
| 298A | | Ilulissat | Denmark | Danish Navig./Hydro. | 1992-1997 | 82 |
| 299A | 344 | Qaqortoq | Denmark | Danish Navig./Hydro. | 1991-1998 | 83 |
| 786A | | Roseau | Dominica | UH Sea Level Center | 2011-2012 | 100 |
| 776A | | Punta Cana | Dominica Republic | UH Sea Level Center | 2010-2012 | 100 |
| 777A | | Puerto Plata | Dominica Republic | UH Sea Level Center | 2010-2012 | 100 |
| 807A | 349 | Alexandria | Egypt | NIOF | 2009-2013 | 92 |
| 227A | 202 | Cayenne | France | SHOM | 2006-2007 | 67 |
| 270A | 204 | Le Robert | France | SHOM | 1976-1984 | 61 |
| 271A | 338 | Fort de France | France | SHOM | 1976-2012 | 27 |
| 272A | | Pointe-a-Pitre | France | Meteo-France | 1991-2012 | 63 |
| 822A | 242 | Brest | France | SHOM | 1846-2012 | 91 |
| 824A | 205 | Marseille | France | SHOM | 1985-2012 | 51 |
| 825A | 284 | Cuxhaven | Germany | BFG | 1917-1987 | 100 |
| 231A | 335 | Takoradi-A | Ghana | ORSTOM | 1983-1986 | 100 |
| 231B | 335 | Takoradi-B | Ghana | NIO,India | 2004-2005 | 100 |
| 231C | 335 | Takoradi-C | Ghana | Survey of Ghana | 2007-2012 | 61 |
| 789A | | Prickley Bay | Grenada | UH Sea Level Center | 2011-2012 | 99 |
| 269A | | Cochino Pequeno | Honduras | National Ocean Service | 1995-1996 | 100 |
| 780A | | Puerto Cortes-A | Honduras | National Ocean Service | 1948-1968 | 99 |
| 780B | | Puerto Cortes-B | Honduras | National Ocean Service | 2001-2002 | 100 |
| 784A | | Puerto Castilla | Honduras | National Ocean Service | 1955-1967 | 78 |

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|-------------|-----|-------------------|-------------------|------------------------|-----------|-----|
| 288A | 229 | Reykjavik | Iceland | Iceland Hydro. Serv. | 1984-1999 | 94 |
| 834A | 239 | Malin Head | Ireland | QUB | 1958-2001 | 95 |
| 835A | | Castletownsend | Ireland | J.Murphy HMRC | 2004-2008 | 87 |
| 230A | 257 | Abidjan-Vridi | Ivory Coast | ORSTOM | 1982-1988 | 100 |
| 782A | 210 | Port Royal | Jamaica | National Ocean Service | 1965-1971 | 99 |
| 806A | | Nouakchott | Mauritania | PAN | 2007-2013 | 91 |
| 250A | 212 | Veracruz-A,Ver. | Mexico | UNAM | 1985-2008 | 54 |
| 250B | 212 | Veracruz-B,Ver. | Mexico | Secretaria de Marina | 1999-2004 | 63 |
| 277A | | Madero,Tampico | Mexico | National Ocean Service | 2004-2007 | 89 |
| 721A | 213 | Progreso-A, Yuc. | Mexico | UNAM | 1980-1984 | 98 |
| 721B | 213 | Progreso-B, Yuc. | Mexico | Secretaria de Marina | 1999-2004 | 63 |
| 779A | | C.Carmen | Mexico | UNAM | 1957-1979 | 57 |
| 220A | 314 | Walvis Bay | Namibia | SANHO | 1959-2012 | 44 |
| 724A | | Puerto Cabezas | Nicaragua | National Ocean Service | 2001-2002 | 100 |
| 233A | 259 | Lagos-A | Nigeria | POL | 1961-1969 | 63 |
| 233C | 259 | Lagos-C | Nigeria | NIOMR | 1992-1996 | 74 |
| 800A | 322 | Andenes | Norway | NHS | 1991-2003 | 99 |
| 803A | 234 | Rorvik | Norway | NHS | 1969-2003 | 96 |
| 804A | 321 | Tregde | Norway | NHS | 1927-2003 | 94 |
| 805A | 323 | Vardo | Norway | NHS | 1947-2003 | 60 |
| 823A | 345 | Ny-Alesund | Norway | NHS | 1976-2003 | 89 |
| 266A | 208 | Cristobal | Panama | Autoridad Canal Panama | 1907-2012 | 92 |
| 209A | 246 | Cascais | Portugal | Inst. Geogr. Port. | 1959-2005 | 88 |
| 210A | 244 | Flores,Santa Cruz | Portugal | Inst. Hidro. Marinha | 1976-2009 | 58 |
| 211A | 245 | Ponta Delgada | Portugal | Inst. Hidro. Marinha | 1978-2012 | 71 |
| 212A | | Horta,Azores | Portugal | Inst. Hidro. Marinha | 1984-1986 | 87 |
| 213A | 244 | Flores,Lajes | Portugal | Inst. Hidro. Marinha | 2006-2012 | 100 |
| 215A | | Angra Heroismo-A | Portugal | Inst. Hidro. Marinha | 1957-1962 | 100 |
| 215B | | Angra Heroismo-B | Portugal | Inst. Hidro. Marinha | 1976-1983 | 94 |
| 216A | 254 | Porto Grande | Portugal | Inst. Hidro. Marinha | 1990-1993 | 38 |
| 218B | 250 | Funchal-B | Portugal | Inst. Hidro. Marinha | 1976-2012 | 75 |
| 235A | 329 | Palmeira,C.Verde | Portugal | UH Sea Level Center | 2000-2010 | 87 |
| 723A | | Lagos, Algarve | Portugal | Inst. Geogr. Port. | 1986-2000 | 72 |
| 225A | 260 | Sao Tome | Sao Tome/Principe | ORSTOM | 1985-1988 | 58 |
| 223A | 253 | Dakar-A | Senegal | ORSTOM | 1982-1983 | 100 |
| 223B | 253 | Dakar-B | Senegal | ORSTOM | 1983-1985 | 100 |
| 223C | 253 | Dakar-C | Senegal | ORSTOM | 1986-1986 | 44 |
| 223D | 253 | Dakar-D | Senegal | ORSTOM | 1986-1989 | 94 |
| 223E | 253 | Dakar-E | Senegal | UH Sea Level Center | 1996-2012 | 70 |
| 221A | 268 | Simon's Town | South Africa | SANHO | 1959-2011 | 80 |
| 701A | | Port Nolloth | South Africa | SANHO | 1958-2012 | 77 |
| 702A | | Luderitz | South Africa | SANHO | 1958-2012 | 67 |

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|-------------|-----|-------------------|-----------------|------------------------|-----------|-----|
| 703A | | Saldahna Bay | South Africa | SANHO | 1973-2011 | 71 |
| 704A | | Cape Town | South Africa | SANHO | 1967-2009 | 75 |
| 205A | | Arrecife-A | Spain | Inst. Espanol Ocean. | 1959-1973 | 98 |
| 205B | | Arrecife-B | Spain | Inst. Espanol Ocean. | 1973-1985 | 69 |
| 205D | | Arrecife-D | Spain | Inst. Espanol Ocean. | 1987-1991 | 90 |
| 206A | | S.Cruz Palma-A | Spain | Inst. Espanol Ocean. | 1949-1959 | 100 |
| 206B | | S.Cruz Palma-B | Spain | Inst. Espanol Ocean. | 1959-1981 | 93 |
| 206D | | S.Cruz Palma-D | Spain | Inst. Espanol Ocean. | 1989-1990 | 93 |
| 207A | 249 | Ceuta | Spain | Inst. Espanol Ocean. | 1944-2010 | 96 |
| 208A | | Vigo | Spain | Inst. Espanol Ocean. | 1943-1990 | 100 |
| 217A | 251 | Las Palmas-A | Spain | Inst. Espanol Ocean. | 1949-1956 | 95 |
| 217B | 251 | Las Palmas-B | Spain | Inst. Espanol Ocean. | 1971-1982 | 88 |
| 217C | 251 | Las Palmas-C | Spain | Inst. Espanol Ocean. | 1983-1991 | 73 |
| 217D | 251 | Las Palmas-D | Spain | Inst. Espanol Ocean. | 1991-2010 | 97 |
| 228A | | Tenerife | Spain | Puertos del Estado | 1992-2012 | 95 |
| 830A | 243 | La Coruna | Spain | Inst. Espanol Ocean. | 1943-2012 | 97 |
| 819A | 233 | Goteborg-Torsh. | Sweden | SMHI | 1967-2012 | 100 |
| 826A | 341 | Stockholm | Sweden | SMHI | 1889-2012 | 99 |
| 248A | 203 | Port-of-Spain | Trinidad/Tobago | Trin/Tob. Hydro. Unit | 1984-1992 | 81 |
| 728A | | Point Fortin | Trinidad/Tobago | Trin/Tob. Hydro. Unit | 1987-1996 | 61 |
| 259A | 221 | Bermuda-A | United Kingdom | National Ocean Service | 1932-1949 | 78 |
| 259B | 221 | Bermuda-B | United Kingdom | National Ocean Service | 1985-2012 | 83 |
| 289A | 248 | Gibraltar | United Kingdom | Hidrographic Office | 1961-2000 | 69 |
| 290A | 305 | Port Stanley-A | United Kingdom | POL | 1964-1974 | 47 |
| 290B | 305 | Port Stanley-B | United Kingdom | POL | 1992-2009 | 91 |
| 291A | 263 | Ascension | United Kingdom | POL | 1993-2009 | 64 |
| 292A | 264 | St. Helena | United Kingdom | POL | 1993-2006 | 75 |
| 293A | 236 | Lerwick | United Kingdom | POL | 1959-2010 | 95 |
| 294A | 241 | Newlyn | United Kingdom | POL | 1915-2010 | 98 |
| 295A | 238 | Stornoway | United Kingdom | POL | 1976-2010 | 83 |
| 700A | 188 | Faraday | United Kingdom | POL | 1959-2009 | 73 |
| 720A | | South Caicos | United Kingdom | NOAA/AOML | 1992-1992 | 76 |
| 832A | 342 | Rothera | United Kingdom | POL | 2002-2009 | 66 |
| 214A | | Lameshur Bay,VI | USA | National Ocean Service | 2006-2012 | 99 |
| 219A | | Culebra,PR | USA | National Ocean Service | 2005-2012 | 94 |
| 240A | | Fernandina Beach | USA | National Ocean Service | 1897-2012 | 45 |
| 241A | | Miami,Haulover P. | USA | National Ocean Service | 1985-1992 | 96 |
| 242A | 216 | Key West | USA | National Ocean Service | 1913-2012 | 98 |
| 243A | | Penuelas, PR | USA | National Ocean Service | 2001-2005 | 100 |
| 245A | 206 | San Juan | USA | National Ocean Service | 1977-2012 | 95 |
| 246A | | Magueyes Island | USA | National Ocean Service | 1965-2012 | 97 |
| 252A | | Portland,ME | USA | National Ocean Service | 1910-2012 | 97 |

| | | | | | | |
|------|-----|-------------------|-----|------------------------|-----------|-----|
| 253A | 290 | Newport,RI | USA | National Ocean Service | 1930-2012 | 96 |
| 254A | | Limetree Bay | USA | National Ocean Service | 1982-2012 | 92 |
| 255A | | Charlotte Amalie | USA | National Ocean Service | 1978-2012 | 90 |
| 258A | | Christiansted,VI | USA | National Ocean Service | 2006-2012 | 98 |
| 260A | 219 | Duck Pier,NC | USA | National Ocean Service | 1978-2012 | 99 |
| 261A | | Charleston,SC | USA | National Ocean Service | 1921-2012 | 98 |
| 262A | | St. Augustine,FL | USA | National Ocean Service | 1978-2002 | 42 |
| 263A | | Aguadilla,PR | USA | National Ocean Service | 2006-2012 | 90 |
| 264A | 220 | Atlantic City,NJ | USA | National Ocean Service | 1911-2012 | 95 |
| 267A | | Mona Is.,PR | USA | National Ocean Service | 2006-2012 | 91 |
| 279A | | Montauk | USA | National Ocean Service | 1959-2012 | 90 |
| 732A | | Isabel Segunda,PR | USA | National Ocean Service | 2009-2012 | 91 |
| 733A | | Esperanza,PR | USA | National Ocean Service | 2005-2012 | 93 |
| 734A | | Yabucoa,PR | USA | National Ocean Service | 2008-2012 | 98 |
| 735A | | Arecibo,PR | USA | National Ocean Service | 2008-2012 | 100 |
| 736A | | Mayaguez,PR | USA | National Ocean Service | 2008-2012 | 100 |
| 740A | | Eastport,ME | USA | National Ocean Service | 1929-2012 | 94 |
| 741A | | Boston,MA | USA | National Ocean Service | 1921-2012 | 99 |
| 742A | | Woods Hole,MA | USA | National Ocean Service | 1957-2012 | 90 |
| 743A | | Nantucket,MA | USA | National Ocean Service | 1965-2012 | 96 |
| 744A | | New London,CT | USA | National Ocean Service | 1938-2012 | 95 |
| 745A | | New York,NY | USA | National Ocean Service | 1920-2012 | 87 |
| 746A | | Cape May,NJ | USA | National Ocean Service | 1965-2012 | 90 |
| 747A | | Lewes,DE | USA | National Ocean Service | 1957-2012 | 97 |
| 749A | | Chesapeake BBT,VA | USA | National Ocean Service | 1975-2012 | 99 |
| 750A | | Wilmington,NC | USA | National Ocean Service | 1935-2012 | 98 |
| 752A | 289 | Fort Pulaski,GA | USA | National Ocean Service | 1935-2012 | 95 |
| 753A | | Mayport,FL | USA | National Ocean Service | 1928-2000 | 99 |
| 754A | | Cocoa Beach,FL | USA | National Ocean Service | 1994-1996 | 98 |
| 755A | 332 | Virginia Key,FL | USA | National Ocean Service | 1996-2012 | 99 |
| 757A | | Naples,FL | USA | National Ocean Service | 1996-2012 | 96 |
| 759A | | St. Petersburg,FL | USA | National Ocean Service | 1946-2012 | 96 |
| 760A | | Apalachicola,FL | USA | National Ocean Service | 1996-2012 | 97 |
| 761A | | Panama City Bh,FL | USA | National Ocean Service | 1993-2008 | 97 |
| 762A | 288 | Pensacola,FL | USA | National Ocean Service | 1923-2012 | 96 |
| 763A | | Dauphin Island AL | USA | National Ocean Service | 1996-2012 | 73 |
| 764A | | South Pass,LA | USA | National Ocean Service | 1993-1999 | 90 |
| 765A | | Grand Isle,LA | USA | National Ocean Service | 1980-2012 | 97 |
| 766A | | Sabine Pass N, TX | USA | National Ocean Service | 1992-2012 | 98 |
| 767A | | Galveston,P.Pier | USA | National Ocean Service | 1957-2011 | 97 |
| 769A | | Rockport,TX | USA | National Ocean Service | 1937-2012 | 75 |
| 770A | | Corpus Cristi,TX | USA | National Ocean Service | 1988-2012 | 99 |

| | | | | | | |
|------|-----|-------------------|-----------|------------------------|-----------|-----|
| 772A | | Port Isabel,TX | USA | National Ocean Service | 1977-2012 | 97 |
| 773A | | Clearwater Bch,FL | USA | National Ocean Service | 1996-2012 | 96 |
| 774A | | Port Canaveral,FL | USA | National Ocean Service | 1994-2012 | 98 |
| 775A | 217 | Galveston,Pier21 | USA | National Ocean Service | 1904-2012 | 96 |
| 783A | | Fajardo-A,PR | USA | National Ocean Service | 1921-1923 | 95 |
| 783B | | Fajardo-B,PR | USA | National Ocean Service | 2008-2012 | 100 |
| 247A | 328 | La Guaira | Venezuela | Inst. Ocean. Venezuela | 1985-1994 | 97 |

A.2 New Series Relative to November 2011

Number of new series: 39; CI: Completeness Index

| JASL | GLOSS | STATION | COUNTRY | ORIGINATOR | YEARS | CI |
|------|-------|------------------|-------------------|----------------------|-----------|-----|
| 286B | 190 | Puerto Deseado-B | Argentina | UH Sea Level Center | 2010-2012 | 89 |
| 729B | 192 | Mar Del Plata-B | Argentina | UH Sea Level Center | 2010-2012 | 99 |
| 731A | 191 | Puerto Madryn | Argentina | UH Sea Level Center | 2010-2012 | 100 |
| 100A | | Port Stanvac | Australia | Nat. Tidal Ctr., BOM | 1992-2010 | 99 |
| 132A | | Hillarys | Australia | Nat. Tidal Ctr., BOM | 1992-2012 | 100 |
| 145A | | Groote Eylandt | Australia | Nat. Tidal Ctr., BOM | 1993-2012 | 99 |
| 342A | | Port Kembla | Australia | Nat. Tidal Ctr., BOM | 1991-2012 | 99 |
| 343A | | Cape Ferguson | Australia | Nat. Tidal Ctr., BOM | 1991-2012 | 98 |
| 344A | | Burnie | Australia | Nat. Tidal Ctr., BOM | 1992-2012 | 98 |
| 124A | 36 | Chittagong | Bangladesh | UH Sea Level Center | 2007-2012 | 97 |
| 283C | 336 | Fortaleza-C | Brazil | UH Sea Level Center | 2008-2012 | 100 |
| 730B | 189 | Base Prat-B | Chile | SHOA | 2011-2012 | 68 |
| 087B | 167 | Quepos-B | Costa Rica | UH Sea Level Center | 2009-2012 | 87 |
| 268B | | Limon-B | Costa Rica | UH Sea Level Center | 2009-2012 | 100 |
| 778A | | Willemstad | Curacao | UH Sea Level Center | 2011-2012 | 100 |
| 786A | | Roseau | Dominica | UH Sea Level Center | 2011-2012 | 100 |
| 776A | | Punta Cana | Dominica Republic | UH Sea Level Center | 2010-2012 | 100 |
| 777A | | Puerto Plata | Dominica Republic | UH Sea Level Center | 2010-2012 | 100 |
| 082C | 182 | Acajutla-C | El Salvador | UH Sea Level Center | 2010-2012 | 99 |
| 019B | 123 | Noumea-B | France | SHOM | 2005-2012 | 99 |
| 789A | | Prickley Bay | Grenada | UH Sea Level Center | 2011-2012 | 99 |
| 419A | | Lembar | Indonesia | UH Sea Level Center | 2008-2012 | 54 |
| 420A | | Saumlaki | Indonesia | UH Sea Level Center | 2008-2012 | 100 |
| 316C | 267 | Acapulco-C,Gro. | Mexico | UH Sea Level Center | 2007-2011 | 100 |
| 900A | 10 | Inhambane | Mozambique | INAHINA | 2011-2011 | 20 |
| 906A | 141 | Moulmein | Myanmar | UH Sea Level Center | 2006-2012 | 68 |
| 078B | | Gisborne-B | New Zealand | LINZ | 2010-2012 | 98 |
| 110B | | Muscat-B | Oman | UH Sea Level Center | 2009-2012 | 89 |
| 370B | 73 | Manila-B | Philippines | UH Sea Level Center | 2006-2012 | 99 |
| 382A | | Subic Bay | Philippines | UH Sea Level Center | 2007-2012 | 100 |

| | | | | | | |
|-------------|-----|------------------|------------------|----------------------|-----------|-----|
| 654A | | Currimao | Philippines | UH Sea Level Center | 2009-2012 | 99 |
| 655A | | Lubang | Philippines | UH Sea Level Center | 2010-2012 | 100 |
| 213A | 244 | Flores,Lajes | Portugal | Inst. Hidro. Marinha | 2006-2012 | 100 |
| 117B | | Hanimaadhoo-B | Rep. of Maldives | UH Sea Level Center | 2002-2012 | 91 |
| 014B | 107 | French Frigate-B | USA | UH Sea Level Center | 2007-2012 | 80 |
| 547A | | Barbers Point,HI | USA | UH Sea Level Center | 2009-2012 | 82 |
| 548A | | Kaualapau,HI | USA | UH Sea Level Center | 2007-2012 | 99 |
| 381B | 75 | Qui Nhon-B | Vietnam | UH Sea Level Center | 2007-2012 | 81 |
| 383B | | Vung Tau-B | Vietnam | UH Sea Level Center | 2007-2012 | 98 |

A.3 Series with Updated Years Relative to 2011

Number of updated series: 284

Number of updated years: 878

| JASL | Site | Status-2011 | Status-2013 | YRS-ADD | Originator |
|-------------|------------------|-------------|-------------|---------|----------------------|
| 001C | Pohnpei-C | 2001-2009 | 2001-2012 | 3 | Nat. Tidal Ctr., BOM |
| 002D | Tarawa-D,Betio | 1992-2009 | 1992-2012 | 3 | Nat. Tidal Ctr., BOM |
| 003B | Baltra-B | 1985-2010 | 1985-2012 | 2 | UH Sea Level Center |
| 004B | Nauru-B | 1993-2009 | 1993-2012 | 3 | Nat. Tidal Ctr., BOM |
| 005B | Majuro-B | 1993-2009 | 1993-2012 | 3 | Nat. Tidal Ctr., BOM |
| 007B | Malakal-B | 1969-2009 | 1969-2012 | 3 | UH Sea Level Center |
| 008B | Yap-B | 1969-2005 | 1969-2012 | 7 | UH Sea Level Center |
| 009B | Honiara-B | 1994-2009 | 1994-2012 | 3 | Nat. Tidal Ctr., BOM |
| 011B | Christmas-B | 1974-2003 | 1974-2012 | 9 | UH Sea Level Center |
| 013B | Kanton-B | 1972-2007 | 1972-2012 | 5 | UH Sea Level Center |
| 014A | French Frigate S | 1974-2004 | 1974-2007 | 3 | UH Sea Level Center |
| 015B | Papeete-B | 1975-2009 | 1975-2012 | 3 | UH Sea Level Center |
| 016A | Rikitea | 1969-2003 | 1969-2012 | 9 | UH Sea Level Center |
| 018B | Suva-B | 1998-2009 | 1998-2012 | 3 | Nat. Tidal Ctr., BOM |
| 021B | Juan Fernandez-B | 1985-2010 | 1985-2012 | 2 | SHOA |
| 022C | Easter-C | 1970-2010 | 1970-2012 | 2 | SHOA |
| 023B | Rarotonga-B | 1993-2009 | 1993-2012 | 3 | Nat. Tidal Ctr., BOM |
| 024A | Penrhyn | 1977-2010 | 1977-2012 | 2 | UH Sea Level Center |
| 025B | Funafuti-B | 1993-2009 | 1993-2012 | 3 | Nat. Tidal Ctr., BOM |
| 028B | Saipan-B | 1978-2009 | 1978-2012 | 3 | UH Sea Level Center |
| 029A | Kapingamarangi | 1978-2008 | 1978-2009 | 1 | UH Sea Level Center |
| 030A | Santa Cruz | 1978-2007 | 1978-2012 | 5 | UH Sea Level Center |

| | | | | | |
|-------------|--------------------|-----------|-----------|----|------------------------|
| 031A | Nuku Hiva | 1982-1997 | 1982-2012 | 15 | UH Sea Level Center |
| 033A | Bitung | 1986-2009 | 1986-2012 | 3 | BAKOSURTANAL |
| 035A | San Felix | 1987-2010 | 1987-2012 | 2 | SHOA |
| 037A | Pago Bay, Guam | 2004-2011 | 2004-2012 | 1 | National Ocean Service |
| 038A | Nuku'alofa | 1990-2009 | 1990-2012 | 3 | Nat. Tidal Ctr., BOM |
| 039A | Kodiak, Alaska | 1975-2010 | 1975-2012 | 2 | National Ocean Service |
| 040A | Adak, Alaska | 1950-2011 | 1950-2012 | 1 | National Ocean Service |
| 041B | Dutch Harbor-B, AK | 1982-2011 | 1982-2012 | 1 | National Ocean Service |
| 046B | Port Vila-B | 1993-2009 | 1993-2012 | 3 | Nat. Tidal Ctr., BOM |
| 047A | Chichijima | 1975-2010 | 1975-2012 | 2 | Japan Meteor. Agency |
| 049A | Minamitorishima | 1997-2010 | 1997-2012 | 2 | Japan Meteor. Agency |
| 050A | Midway | 1947-2011 | 1947-2012 | 1 | National Ocean Service |
| 051A | Wake | 1950-2011 | 1950-2012 | 1 | National Ocean Service |
| 052A | Johnston | 1947-2003 | 1947-2012 | 9 | UH Sea Level Center |
| 053A | Guam | 1948-2010 | 1948-2012 | 2 | National Ocean Service |
| 055A | Kwajalein | 1946-2011 | 1946-2012 | 1 | National Ocean Service |
| 056A | Pago Pago | 1948-2011 | 1948-2012 | 1 | National Ocean Service |
| 057B | Honolulu-B | 1905-2011 | 1905-2012 | 1 | National Ocean Service |
| 058A | Nawiliwili | 1954-2011 | 1954-2012 | 1 | National Ocean Service |
| 059A | Kahului | 1950-2011 | 1950-2012 | 1 | National Ocean Service |
| 060A | Hilo | 1927-2011 | 1927-2012 | 1 | National Ocean Service |
| 061A | Mokuoloe | 1957-2011 | 1957-2012 | 1 | National Ocean Service |
| 073A | Tauranga | 1984-2010 | 1984-2012 | 2 | LINZ |
| 076A | Taranaki | 1984-2010 | 1984-2012 | 2 | LINZ |
| 077A | Nelson | 1984-2010 | 1984-2012 | 2 | LINZ |
| 078A | Gisborne | 1984-1985 | 1984-1991 | 6 | LINZ |
| 080A | Antofagasta | 1945-2010 | 1945-2012 | 2 | SHOA |
| 081A | Valparaiso | 1944-2010 | 1944-2012 | 2 | SHOA |
| 084A | Lobos de Afuera | 1982-2009 | 1982-2010 | 1 | DHNM |
| 089B | Manta-B | 1990-2008 | 1990-2012 | 4 | INOCAR |
| 091A | La Libertad | 1949-2010 | 1949-2012 | 2 | INOCAR |
| 092B | Talara-B | 1988-2010 | 1988-2012 | 2 | DHNM |
| 093B | Callao-B | 1970-2010 | 1970-2012 | 2 | DHNM |
| 094B | Matarani-B | 1992-2010 | 1992-2012 | 2 | DHNM |
| 096B | San Juan-B | 2003-2010 | 2003-2012 | 2 | DHNM |
| 098A | Esmeraldas | 1990-2010 | 1990-2012 | 2 | INOCAR |
| 302A | Balboa | 1907-2010 | 1907-2012 | 2 | Autoridad Canal Panama |
| 303A | Tumaco | 1951-2011 | 1951-2012 | 1 | IDEAM |
| 320A | Cendering | 1984-2006 | 1984-2011 | 5 | Dept. Survey/Mapping |
| 321A | Johor Baharu | 1983-2006 | 1983-2011 | 5 | Dept. Survey/Mapping |
| 322A | Kuantan | 1983-2006 | 1983-2011 | 5 | Dept. Survey/Mapping |
| 323A | Tioman | 1985-2006 | 1985-2011 | 5 | Dept. Survey/Mapping |

| | | | | | |
|-------------|-----------------|-----------|-----------|---|------------------------|
| 324A | Sedili | 1986-2006 | 1986-2011 | 5 | Dept. Survey/Mapping |
| 325A | Kukup | 1985-2006 | 1985-2011 | 5 | Dept. Survey/Mapping |
| 326A | Geting | 1986-2006 | 1986-2011 | 5 | Dept. Survey/Mapping |
| 328A | Ko Lak | 1985-2010 | 1985-2012 | 2 | Naval Hydro. Dept. |
| 329B | Hong Kong-B | 1986-2010 | 1986-2012 | 2 | Hong Kong Observatory |
| 330A | Rosslyn Bay | 1993-2009 | 1993-2012 | 3 | Nat. Tidal Ctr., BOM |
| 331A | Brisbane | 1984-2009 | 1984-2012 | 3 | Nat. Tidal Ctr., BOM |
| 332A | Bundaberg | 1984-2009 | 1984-2012 | 3 | Nat. Tidal Ctr., BOM |
| 333A | Fort Denison | 1965-2009 | 1965-2012 | 3 | Nat. Tidal Ctr., BOM |
| 334A | Townsville | 1984-2009 | 1984-2012 | 3 | Nat. Tidal Ctr., BOM |
| 335A | Spring Bay | 1985-2009 | 1985-2012 | 3 | Nat. Tidal Ctr., BOM |
| 336A | Booby Island | 1988-2009 | 1988-2012 | 3 | Nat. Tidal Ctr., BOM |
| 339A | Hobart | 1985-2006 | 1985-2012 | 6 | Nat. Tidal Ctr., BOM |
| 340A | Kaohsiung | 1980-2010 | 1980-2012 | 2 | Central Weather Bureau |
| 341A | Keelung | 1980-2010 | 1980-2012 | 2 | Central Weather Bureau |
| 347A | Abashiri | 1968-2010 | 1968-2012 | 2 | Japan Meteor. Agency |
| 348A | Hamada | 1984-2010 | 1984-2012 | 2 | Japan Meteor. Agency |
| 349A | Toyama | 1967-2010 | 1967-2012 | 2 | Japan Meteor. Agency |
| 350A | Kushiro | 1963-2010 | 1963-2012 | 2 | Japan Meteor. Agency |
| 351A | Ofunato | 1965-2010 | 1965-2012 | 2 | Japan Meteor. Agency |
| 352A | Mera | 1965-2010 | 1965-2012 | 2 | Japan Meteor. Agency |
| 353A | Kushimoto | 1961-2010 | 1961-2012 | 2 | Japan Meteor. Agency |
| 354A | Aburatsu | 1961-2010 | 1961-2012 | 2 | Japan Meteor. Agency |
| 355A | Naha | 1966-2010 | 1966-2012 | 2 | Japan Meteor. Agency |
| 356A | Maisaka | 1968-2010 | 1968-2012 | 2 | Japan Meteor. Agency |
| 357A | Miyakejima | 1964-2010 | 1964-2011 | 1 | Japan Ocean. Data Cen. |
| 360A | Wakkanai | 1967-2010 | 1967-2012 | 2 | Japan Meteor. Agency |
| 362A | Nagasaki | 1985-2010 | 1985-2012 | 2 | Japan Meteor. Agency |
| 364A | Hakodate | 1964-2010 | 1964-2012 | 2 | Japan Meteor. Agency |
| 365A | Ishigaki | 1969-2010 | 1969-2012 | 2 | Japan Meteor. Agency |
| 370A | Manila | 1984-2008 | 1984-2012 | 4 | Ocean. Surveys Div. |
| 371A | Legaspi | 1984-2007 | 1984-2012 | 5 | Ocean. Surveys Div. |
| 372B | Davao-B | 1998-2008 | 1998-2012 | 4 | Ocean. Surveys Div. |
| 375A | Hachinohe | 1980-2010 | 1980-2011 | 1 | Japan Meteor. Agency |
| 379A | Cebu | 1998-2008 | 1998-2012 | 4 | Ocean. Surveys Div. |
| 380A | Puerto Princesa | 1998-2007 | 1998-2012 | 5 | Ocean. Surveys Div. |
| 385A | Tawau | 1987-2006 | 1987-2011 | 5 | Dept. Survey/Mapping |
| 386A | Kota Kinabalu | 1987-2006 | 1987-2011 | 5 | Dept. Survey/Mapping |
| 387A | Bintulu | 1992-2006 | 1992-2011 | 5 | Dept. Survey/Mapping |
| 388A | Miri | 1992-2006 | 1992-2011 | 5 | Dept. Survey/Mapping |
| 389A | Sandakan | 1993-2006 | 1993-2011 | 5 | Dept. Survey/Mapping |
| 395B | Manzanillo-B | 1992-2003 | 1992-2012 | 9 | National Ocean Service |

| | | | | | |
|-------------|-------------------|-----------|-----------|---|------------------------|
| 398A | Marsden Point | 1975-2010 | 1975-2012 | 2 | LINZ |
| 399B | Lord Howe-B | 1991-2006 | 1991-2012 | 6 | Nat. Tidal Ctr., BOM |
| 400A | Lombrum | 1994-2009 | 1994-2012 | 3 | Nat. Tidal Ctr., BOM |
| 401B | Apia-B | 1993-2009 | 1993-2012 | 3 | Nat. Tidal Ctr., BOM |
| 402A | Lautoka | 1992-2009 | 1992-2012 | 3 | Nat. Tidal Ctr., BOM |
| 403A | Jackson | 1999-2009 | 1999-2012 | 3 | Nat. Tidal Ctr., BOM |
| 540B | Prince Rupert-B | 1963-2010 | 1963-2012 | 2 | MEDS |
| 542A | Tofino | 1963-2010 | 1963-2012 | 2 | MEDS |
| 543A | Victoria,BC | 1909-2007 | 1909-2012 | 5 | MEDS |
| 551A | San Francisco,CA | 1897-2011 | 1897-2012 | 1 | National Ocean Service |
| 554A | La Jolla,CA | 1924-2011 | 1924-2012 | 1 | National Ocean Service |
| 555A | Monterey,CA | 1973-2011 | 1973-2012 | 1 | National Ocean Service |
| 556A | Crescent City,CA | 1933-2011 | 1933-2012 | 1 | National Ocean Service |
| 557A | Port Orford,OR | 1996-2011 | 1996-2012 | 1 | National Ocean Service |
| 558A | Neah Bay,WA | 1934-2011 | 1934-2012 | 1 | National Ocean Service |
| 559A | Sitka,AK | 1938-2011 | 1938-2012 | 1 | National Ocean Service |
| 560C | Seward-C,AK | 1967-2011 | 1967-2012 | 1 | National Ocean Service |
| 561A | Seldovia,AK | 1975-2011 | 1975-2012 | 1 | National Ocean Service |
| 562A | Valdez,AK | 1973-2011 | 1973-2012 | 1 | National Ocean Service |
| 564A | Willapa Bay,WA | 1972-2011 | 1972-2012 | 1 | National Ocean Service |
| 565A | Port San Luis,CA | 1948-2011 | 1948-2012 | 1 | National Ocean Service |
| 567A | Los Angeles,CA | 1923-2011 | 1923-2012 | 1 | National Ocean Service |
| 569A | San Diego,CA | 1906-2011 | 1906-2012 | 1 | National Ocean Service |
| 570A | Yakutat,AK | 1961-2011 | 1961-2012 | 1 | National Ocean Service |
| 571A | Ketchikan,AK | 1918-2011 | 1918-2012 | 1 | National Ocean Service |
| 572A | Astoria,OR | 1925-2011 | 1925-2012 | 1 | National Ocean Service |
| 573A | Arena Cove,CA | 1996-2011 | 1996-2012 | 1 | National Ocean Service |
| 574A | Sand Point,AK | 1973-2011 | 1973-2012 | 1 | National Ocean Service |
| 575A | Charleston,OR | 1978-2011 | 1978-2012 | 1 | National Ocean Service |
| 576A | Humboldt Bay,CA | 1993-2011 | 1993-2012 | 1 | National Ocean Service |
| 577A | Santa Barbara,CA | 1996-2011 | 1996-2012 | 1 | National Ocean Service |
| 578A | Santa Monica,CA | 1973-2011 | 1973-2012 | 1 | National Ocean Service |
| 579A | Prudhoe Bay,AK | 1993-2011 | 1993-2012 | 1 | National Ocean Service |
| 583B | Cordova-B,AK | 1964-2011 | 1964-2012 | 1 | National Ocean Service |
| 584A | Port Angeles,WA | 1979-2011 | 1979-2012 | 1 | National Ocean Service |
| 592A | South Beach,OR | 1967-2011 | 1967-2012 | 1 | National Ocean Service |
| 594A | Harvest Oil P.,CA | 1995-2011 | 1995-2012 | 1 | National Ocean Service |
| 595A | Nome, AK | 1992-2011 | 1992-2012 | 1 | National Ocean Service |
| 665A | Timaru | 1987-2010 | 1987-2012 | 2 | LINZ |
| 667A | Lyttelton | 1995-2010 | 1995-2012 | 2 | LINZ |
| 668A | Napier | 1989-2010 | 1989-2012 | 2 | LINZ |
| 669A | Port Chalmers | 1985-2010 | 1985-2012 | 2 | LINZ |

| | | | | | |
|-------------|----------------|-----------|-----------|----|------------------------|
| 678B | Paita-B | 1988-2009 | 1988-2012 | 3 | DHNM |
| 683B | Pisco-B | 1991-2010 | 1991-2012 | 2 | DHNM |
| 684A | Puerto Montt | 1980-2010 | 1980-2012 | 2 | SHOA |
| 699A | Tanjong Pagar | 1988-2010 | 1988-2011 | 1 | Port Singapore Auth. |
| 101A | Mombasa | 1986-2008 | 1986-2012 | 4 | UH Sea Level Center |
| 103C | Port Louis-C | 1986-2008 | 1986-2012 | 4 | UH Sea Level Center |
| 104D | Diego Garcia-D | 2003-2009 | 2003-2012 | 3 | UH Sea Level Center |
| 105A | Rodrigues | 1986-2003 | 1986-2012 | 9 | UH Sea Level Center |
| 107B | Padang-B | 2005-2007 | 2005-2012 | 5 | BAKOSURTANAL |
| 108B | Male-B,Hulule | 1989-2010 | 1989-2012 | 2 | UH Sea Level Center |
| 109A | Gan | 1987-2009 | 1987-2012 | 3 | UH Sea Level Center |
| 113A | Masirah | 1996-2008 | 1996-2012 | 4 | UH Sea Level Center |
| 114A | Salalah | 1989-2009 | 1989-2012 | 3 | UH Sea Level Center |
| 115C | Colombo-C | 2006-2010 | 2006-2012 | 2 | UH Sea Level Center |
| 119A | Djibouti | 2007-2011 | 2007-2013 | 2 | Port of Djibouti |
| 121A | Pt. La Rue | 1993-2004 | 1993-2012 | 8 | UH Sea Level Center |
| 123A | Sabang | 2005-2008 | 2005-2012 | 4 | BAKOSURTANAL |
| 125A | Priqi | 2007-2008 | 2007-2012 | 4 | UH Sea Level Center |
| 127A | Syowa | 1987-2007 | 1987-2010 | 3 | Japan Ocean. Data Cen. |
| 128A | Thevenard | 1998-2009 | 1992-2012 | 9 | Nat. Tidal Ctr., BOM |
| 129A | Portland,Vict. | 1991-2009 | 1991-2012 | 3 | Nat. Tidal Ctr., BOM |
| 130A | Casey | 1996-2006 | 1996-2008 | 2 | Nat. Tidal Ctr., BOM |
| 133B | Ambon-B | 2008-2009 | 2008-2012 | 3 | BAKOSURTANAL |
| 140A | Kelang | 1983-2006 | 1983-2011 | 5 | Dept. Survey/Mapping |
| 141A | Keling | 1984-2006 | 1984-2011 | 5 | Dept. Survey/Mapping |
| 142A | Langkawi | 1985-2006 | 1985-2012 | 6 | Dept. Survey/Mapping |
| 143A | Lumut | 1984-2006 | 1984-2011 | 5 | Dept. Survey/Mapping |
| 144A | Penang | 1984-2006 | 1984-2011 | 5 | Dept. Survey/Mapping |
| 147B | Karachi-B | 2007-2011 | 2007-2013 | 2 | PNHD |
| 148A | Ko Taphao Noi | 1985-2010 | 1985-2012 | 2 | Naval Hydro. Dept. |
| 149B | Lamu-B | 1995-2004 | 1995-2012 | 8 | UH Sea Level Center |
| 151A | Zanzibar | 1984-2006 | 1984-2012 | 6 | UH Sea Level Center |
| 155A | Dzaoudzi | 1985-1995 | 1985-2012 | 17 | SHOM |
| 162B | Cilacap-B | 2007-2008 | 2007-2012 | 4 | UH Sea Level Center |
| 163B | Benoa-B | 2006-2007 | 2006-2012 | 5 | UH Sea Level Center |
| 165A | Wyndham | 1984-2005 | 1984-2012 | 7 | Nat. Tidal Ctr., BOM |
| 166A | Broome | 1986-2009 | 1986-2012 | 3 | Nat. Tidal Ctr., BOM |
| 167A | Carnarvon | 1984-2005 | 1984-2012 | 7 | Nat. Tidal Ctr., BOM |
| 168A | Darwin | 1984-2009 | 1984-2012 | 3 | Nat. Tidal Ctr., BOM |
| 169A | Port Hedland | 1984-2005 | 1984-2012 | 7 | Nat. Tidal Ctr., BOM |
| 171A | Cocos | 1985-2009 | 1985-2012 | 3 | Nat. Tidal Ctr., BOM |
| 172A | Aden | 2007-2011 | 2007-2013 | 2 | Port of Aden |

| | | | | | |
|-------------|-------------------|-----------|-----------|----|------------------------|
| 173A | Davis | 1993-2006 | 1993-2010 | 4 | Nat. Tidal Ctr., BOM |
| 175A | Fremantle | 1984-2009 | 1984-2012 | 3 | Nat. Tidal Ctr., BOM |
| 176A | Esperance | 1985-2009 | 1985-2012 | 3 | Nat. Tidal Ctr., BOM |
| 177A | Mawson | 1992-2006 | 1992-2009 | 3 | Nat. Tidal Ctr., BOM |
| 180A | Kerguelen | 1993-2010 | 1993-2012 | 2 | LEGOS/OMP |
| 181A | Durban | 1970-2009 | 1970-2011 | 2 | SANHO |
| 184A | Port Elizabeth | 1973-2010 | 1973-2011 | 1 | SANHO |
| 185A | Mossel Bay | 1964-2010 | 1964-2012 | 2 | SANHO |
| 186A | Knysna | 1966-2010 | 1966-2012 | 2 | SANHO |
| 187A | East London | 1965-2010 | 1965-2011 | 1 | SANHO |
| 188A | Richard's Bay | 1977-2010 | 1977-2011 | 1 | SANHO |
| 192C | Pemba-C | 2007-2009 | 2007-2013 | 4 | INAHINA |
| 907A | Akyab (Sittwe) | 2006-2009 | 2006-2012 | 3 | UH Sea Level Center |
| 915A | Chabahar | 2007-2011 | 2007-2013 | 2 | HDNCC |
| 207A | Ceuta | 1944-2008 | 1944-2010 | 2 | Inst. Espanol Ocean. |
| 211A | Ponta Delgada | 1978-2007 | 1978-2012 | 5 | Inst. Hidro. Marinha |
| 214A | Lameshur Bay,VI | 2006-2011 | 2006-2012 | 1 | National Ocean Service |
| 217D | Las Palmas-D | 1991-2008 | 1991-2010 | 2 | Inst. Espanol Ocean. |
| 218B | Funchal-B | 1976-2009 | 1976-2012 | 3 | Inst. Hidro. Marinha |
| 219A | Culebra,PR | 2005-2011 | 2005-2012 | 1 | National Ocean Service |
| 220A | Walvis Bay | 1959-1998 | 1959-2012 | 14 | SANHO |
| 221A | Simon's Town | 1959-2009 | 1959-2011 | 2 | SANHO |
| 223E | Dakar-E | 1996-2009 | 1996-2012 | 3 | UH Sea Level Center |
| 228A | Tenerife | 1992-2009 | 1992-2012 | 3 | Puertos del Estado |
| 231C | Takoradi-C | 2007-2009 | 2007-2012 | 3 | Survey of Ghana |
| 234B | Pointe Noire-B | 2008-2011 | 2008-2013 | 2 | PAPN |
| 240A | Fernandina Beach | 1897-2011 | 1897-2012 | 1 | National Ocean Service |
| 242A | Key West | 1913-2011 | 1913-2012 | 1 | National Ocean Service |
| 245A | San Juan | 1977-2011 | 1977-2012 | 1 | National Ocean Service |
| 246A | Magueyes Island | 1965-2011 | 1965-2012 | 1 | National Ocean Service |
| 252A | Portland,ME | 1910-2011 | 1910-2012 | 1 | National Ocean Service |
| 253A | Newport,RI | 1930-2011 | 1930-2012 | 1 | National Ocean Service |
| 254A | Limetree Bay | 1982-2011 | 1982-2012 | 1 | National Ocean Service |
| 255A | Charlotte Amalie | 1978-2011 | 1978-2012 | 1 | National Ocean Service |
| 257B | Settlement Pnt.-B | 2002-2003 | 2002-2012 | 9 | UH Sea Level Center |
| 258A | Christiansted,VI | 2006-2011 | 2006-2012 | 1 | National Ocean Service |
| 259B | Bermuda-B | 1985-2011 | 1985-2012 | 1 | National Ocean Service |
| 260A | Duck Pier,NC | 1978-2011 | 1978-2012 | 1 | National Ocean Service |
| 261A | Charleston,SC | 1921-2011 | 1921-2012 | 1 | National Ocean Service |
| 263A | Aguadilla,PR | 2006-2011 | 2006-2012 | 1 | National Ocean Service |
| 264A | Atlantic City,NJ | 1911-2011 | 1911-2012 | 1 | National Ocean Service |
| 266A | Cristobal | 1907-2010 | 1907-2012 | 2 | Autoridad Canal Panama |

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|-------------|-------------------|-----------|-----------|----|-------------------------|
| 267A | Mona Is.,PR | 2006-2011 | 2006-2012 | 1 | National Ocean Service |
| 271A | Fort de France | 1976-2007 | 1976-2012 | 5 | SHOM |
| 272A | Pointe-a-Pitre | 1991-1998 | 1991-2012 | 14 | Meteo-France |
| 274A | Churchill | 1961-2010 | 1961-2012 | 2 | MEDS |
| 275A | Halifax | 1920-2010 | 1920-2011 | 1 | MEDS |
| 276B | St. John's-B | 1993-2006 | 1993-2011 | 5 | MEDS |
| 279A | Montauk | 1959-2011 | 1959-2012 | 1 | National Ocean Service |
| 280A | Rio de Janeiro | 1963-2010 | 1963-2012 | 2 | Dir. Hidro. e Navegacao |
| 600A | Ushuaia | 1996-2006 | 1996-2010 | 4 | National Ocean Service |
| 701A | Port Nolloth | 1958-2010 | 1958-2012 | 2 | SANHO |
| 702A | Luderitz | 1958-2010 | 1958-2012 | 2 | SANHO |
| 703A | Saldahna Bay | 1973-2010 | 1973-2011 | 1 | SANHO |
| 708B | Salvador-B | 2004-2006 | 2004-2012 | 6 | UHSLC/DHN/IBGE |
| 732A | Isabel Segunda,PR | 2009-2011 | 2009-2012 | 1 | National Ocean Service |
| 733A | Esperanza,PR | 2005-2011 | 2005-2012 | 1 | National Ocean Service |
| 734A | Yabucoa,PR | 2008-2011 | 2008-2012 | 1 | National Ocean Service |
| 735A | Arecibo,PR | 2008-2011 | 2008-2012 | 1 | National Ocean Service |
| 736A | Mayaguez,PR | 2008-2011 | 2008-2012 | 1 | National Ocean Service |
| 740A | Eastport,ME | 1929-2011 | 1929-2012 | 1 | National Ocean Service |
| 741A | Boston,MA | 1921-2011 | 1921-2012 | 1 | National Ocean Service |
| 742A | Woods Hole,MA | 1957-2011 | 1957-2012 | 1 | National Ocean Service |
| 743A | Nantucket,MA | 1965-2011 | 1965-2012 | 1 | National Ocean Service |
| 744A | New London,CT | 1938-2011 | 1938-2012 | 1 | National Ocean Service |
| 745A | New York,NY | 1958-2011 | 1920-2012 | 39 | National Ocean Service |
| 746A | Cape May,NJ | 1965-2011 | 1965-2012 | 1 | National Ocean Service |
| 747A | Lewes,DE | 1957-2011 | 1957-2012 | 1 | National Ocean Service |
| 749A | Chesapeake BBT,VA | 1975-2011 | 1975-2012 | 1 | National Ocean Service |
| 750A | Wilmington,NC | 1935-2011 | 1935-2012 | 1 | National Ocean Service |
| 752A | Fort Pulaski,GA | 1935-2011 | 1935-2012 | 1 | National Ocean Service |
| 755A | Virginia Key,FL | 1996-2011 | 1996-2012 | 1 | National Ocean Service |
| 757A | Naples,FL | 1996-2011 | 1996-2012 | 1 | National Ocean Service |
| 759A | St. Petersburg,FL | 1946-2011 | 1946-2012 | 1 | National Ocean Service |
| 760A | Apalachicola,FL | 1996-2011 | 1996-2012 | 1 | National Ocean Service |
| 762A | Pensacola,FL | 1923-2011 | 1923-2012 | 1 | National Ocean Service |
| 763A | Dauphin Island AL | 1996-2011 | 1996-2012 | 1 | National Ocean Service |
| 765A | Grand Isle,LA | 1980-2011 | 1980-2012 | 1 | National Ocean Service |
| 766A | Sabine Pass N, TX | 1992-2011 | 1992-2012 | 1 | National Ocean Service |
| 769A | Rockport,TX | 1987-2011 | 1937-2012 | 51 | National Ocean Service |
| 770A | Corpus Cristi,TX | 1988-2011 | 1988-2012 | 1 | National Ocean Service |
| 772A | Port Isabel,TX | 1977-2011 | 1977-2012 | 1 | National Ocean Service |
| 773A | Clearwater Bch,FL | 1996-2011 | 1996-2012 | 1 | National Ocean Service |
| 774A | Port Canaveral,FL | 1994-2011 | 1994-2012 | 1 | National Ocean Service |

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|-------------|------------------|-----------|-----------|---|------------------------|
| 775A | Galveston,Pier21 | 1904-2011 | 1904-2012 | 1 | National Ocean Service |
| 783B | Fajardo-B,PR | 2008-2011 | 2008-2012 | 1 | National Ocean Service |
| 806A | Nouakchott | 2007-2011 | 2007-2013 | 2 | PAN |
| 807A | Alexandria | 2009-2011 | 2009-2013 | 2 | NIOF |
| 819A | Goteborg-Torsh. | 1967-2006 | 1967-2012 | 6 | SMHI |
| 822A | Brest | 1846-2007 | 1846-2012 | 5 | SHOM |
| 824A | Marseille | 1985-2007 | 1985-2012 | 5 | SHOM |
| 826A | Stockholm | 1889-2007 | 1889-2012 | 5 | SMHI |
| 830A | La Coruna | 1943-2008 | 1943-2012 | 4 | Inst. Espanol Ocean. |
| 833A | Nain | 2001-2006 | 2001-2011 | 5 | MEDS |

A.4 Series Extended Backwards

Total number of years (NY) extended backwards = 94

| JASL | GLOSS | STATION | COUNTRY | ORIGINATOR | YEARS | CI |
|-------------|-------|-------------|-----------|------------|-----------|----|
| 128A | 308 | Thevenard | Australia | NTC, BOM | 1992-2012 | 6 |
| 745A | | New York,NY | USA | NOAA/NOS | 1920-2012 | 38 |
| 769A | | Rockport,TX | USA | NOAA/NOS | 1937-2012 | 50 |

A.5 Series with Year 2011

Number of series with 2011: 316; CI: Completeness Index

| JASL | GLOSS | STATION | COUNTRY | ORIGINATOR | YEARS | CI |
|-------------|-------|------------------|-----------|----------------------|-----------|-----|
| 286B | 190 | Puerto Deseado-B | Argentina | UH Sea Level Center | 2010-2012 | 89 |
| 729B | 192 | Mar Del Plata-B | Argentina | UH Sea Level Center | 2010-2012 | 99 |
| 731A | 191 | Puerto Madryn | Argentina | UH Sea Level Center | 2010-2012 | 100 |
| 128A | 308 | Thevenard | Australia | Nat. Tidal Ctr., BOM | 1992-2012 | 100 |
| 129A | 55 | Portland,Vict. | Australia | Nat. Tidal Ctr., BOM | 1991-2012 | 99 |
| 132A | | Hillarys | Australia | Nat. Tidal Ctr., BOM | 1992-2012 | 100 |
| 145A | | Groote Eylandt | Australia | Nat. Tidal Ctr., BOM | 1993-2012 | 99 |
| 165A | | Wyndham | Australia | Nat. Tidal Ctr., BOM | 1984-2012 | 97 |
| 166A | 40 | Broome | Australia | Nat. Tidal Ctr., BOM | 1986-2012 | 88 |
| 167A | 52 | Carnarvon | Australia | Nat. Tidal Ctr., BOM | 1984-2012 | 86 |
| 168A | 62 | Darwin | Australia | Nat. Tidal Ctr., BOM | 1984-2012 | 98 |
| 169A | 51 | Port Hedland | Australia | Nat. Tidal Ctr., BOM | 1984-2012 | 98 |
| 171A | 46 | Cocos | Australia | Nat. Tidal Ctr., BOM | 1985-2012 | 96 |

| | | | | | | |
|-------------|-----|-------------------|--------------|-------------------------|-----------|-----|
| 175A | 53 | Fremantle | Australia | Nat. Tidal Ctr., BOM | 1984-2012 | 100 |
| 176A | 54 | Esperance | Australia | Nat. Tidal Ctr., BOM | 1985-2012 | 98 |
| 330A | | Rossllyn Bay | Australia | Nat. Tidal Ctr., BOM | 1993-2012 | 100 |
| 331A | 58 | Brisbane | Australia | Nat. Tidal Ctr., BOM | 1984-2012 | 98 |
| 332A | 59 | Bundaberg | Australia | Nat. Tidal Ctr., BOM | 1984-2012 | 99 |
| 333A | 57 | Fort Denison | Australia | Nat. Tidal Ctr., BOM | 1965-2012 | 95 |
| 334A | 60 | Townsville | Australia | Nat. Tidal Ctr., BOM | 1984-2012 | 100 |
| 335A | 56 | Spring Bay | Australia | Nat. Tidal Ctr., BOM | 1985-2012 | 96 |
| 336A | 61 | Booby Island | Australia | Nat. Tidal Ctr., BOM | 1988-2012 | 93 |
| 339A | | Hobart | Australia | Nat. Tidal Ctr., BOM | 1985-2012 | 82 |
| 342A | | Port Kembla | Australia | Nat. Tidal Ctr., BOM | 1991-2012 | 99 |
| 343A | | Cape Ferguson | Australia | Nat. Tidal Ctr., BOM | 1991-2012 | 98 |
| 344A | | Burnie | Australia | Nat. Tidal Ctr., BOM | 1992-2012 | 98 |
| 399B | 148 | Lord Howe-B | Australia | Nat. Tidal Ctr., BOM | 1991-2012 | 98 |
| 257B | 211 | Settlement Pnt.-B | Bahamas | UH Sea Level Center | 2002-2012 | 87 |
| 124A | 36 | Chittagong | Bangladesh | UH Sea Level Center | 2007-2012 | 97 |
| 280A | 195 | Rio de Janeiro | Brazil | Dir. Hidro. e Navegacao | 1963-2012 | 95 |
| 283C | 336 | Fortaleza-C | Brazil | UH Sea Level Center | 2008-2012 | 100 |
| 708B | 334 | Salvador-B | Brazil | UHSLC/DHN/IBGE | 2004-2012 | 97 |
| 816A | 350 | Port Sonara | Cameroon | SNR | 2008-2011 | 83 |
| 274A | | Churchill | Canada | MEDS | 1961-2012 | 92 |
| 275A | 222 | Halifax | Canada | MEDS | 1920-2011 | 98 |
| 276B | 223 | St. John's-B | Canada | MEDS | 1993-2011 | 96 |
| 540B | 155 | Prince Rupert-B | Canada | MEDS | 1963-2012 | 99 |
| 542A | 156 | Tofino | Canada | MEDS | 1963-2012 | 96 |
| 543A | | Victoria,BC | Canada | MEDS | 1909-2012 | 99 |
| 833A | 224 | Nain | Canada | MEDS | 2001-2011 | 79 |
| 021B | 176 | Juan Fernandez-B | Chile | SHOA | 1985-2012 | 86 |
| 022C | 137 | Easter-C | Chile | SHOA | 1970-2012 | 84 |
| 035A | 177 | San Felix | Chile | SHOA | 1987-2012 | 83 |
| 080A | 174 | Antofagasta | Chile | SHOA | 1945-2012 | 93 |
| 081A | 175 | Valparaiso | Chile | SHOA | 1944-2012 | 86 |
| 684A | 178 | Puerto Montt | Chile | SHOA | 1980-2012 | 95 |
| 730B | 189 | Base Prat-B | Chile | SHOA | 2011-2012 | 68 |
| 329B | 77 | Hong Kong-B | China | Hong Kong Observatory | 1986-2012 | 99 |
| 085A | 170 | Buenaventura | Colombia | IDEAM | 1953-2011 | 92 |
| 265B | 207 | Cartagena-B | Colombia | IDEAM | 1993-2011 | 63 |
| 303A | 171 | Tumaco | Colombia | IDEAM | 1951-2012 | 86 |
| 737A | | San Andres | Colombia | IDEAM | 1997-2011 | 55 |
| 234B | 261 | Pointe Noire-B | Congo | PAPN | 2008-2013 | 95 |
| 023B | 139 | Rarotonga-B | Cook Islands | Nat. Tidal Ctr., BOM | 1993-2012 | 97 |
| 024A | 143 | Penrhyn | Cook Islands | UH Sea Level Center | 1977-2012 | 95 |

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|-------------|-----|-----------------|-------------------|----------------------|-----------|-----|
| 087B | 167 | Quepos-B | Costa Rica | UH Sea Level Center | 2009-2012 | 87 |
| 268B | | Limon-B | Costa Rica | UH Sea Level Center | 2009-2012 | 100 |
| 778A | | Willemstad | Curacao | UH Sea Level Center | 2011-2012 | 100 |
| 786A | | Roseau | Dominica | UH Sea Level Center | 2011-2012 | 100 |
| 776A | | Punta Cana | Dominica Republic | UH Sea Level Center | 2010-2012 | 100 |
| 777A | | Puerto Plata | Dominica Republic | UH Sea Level Center | 2010-2012 | 100 |
| 003B | 169 | Baltra-B | Ecuador | UH Sea Level Center | 1985-2012 | 87 |
| 030A | | Santa Cruz | Ecuador | UH Sea Level Center | 1978-2012 | 96 |
| 089B | | Manta-B | Ecuador | INOCAR | 1990-2012 | 79 |
| 091A | 172 | La Libertad | Ecuador | INOCAR | 1949-2012 | 97 |
| 098A | | Esmeraldas | Ecuador | INOCAR | 1990-2012 | 93 |
| 807A | 349 | Alexandria | Egypt | NIOF | 2009-2013 | 92 |
| 082C | 182 | Acajutla-C | El Salvador | UH Sea Level Center | 2010-2012 | 99 |
| 001C | 115 | Pohnpei-C | Fd St Micronesia | Nat. Tidal Ctr., BOM | 2001-2012 | 97 |
| 008B | 119 | Yap-B | Fd St Micronesia | UH Sea Level Center | 1969-2012 | 90 |
| 018B | 122 | Suva-B | Fiji | Nat. Tidal Ctr., BOM | 1998-2012 | 99 |
| 402A | | Lautoka | Fiji | Nat. Tidal Ctr., BOM | 1992-2012 | 99 |
| 019B | 123 | Noumea-B | France | SHOM | 2005-2012 | 99 |
| 180A | 23 | Kerguelen | France | LEGOS/OMP | 1993-2012 | 99 |
| 271A | 338 | Fort de France | France | SHOM | 1976-2012 | 27 |
| 272A | | Pointe-a-Pitre | France | Meteo-France | 1991-2012 | 63 |
| 822A | 242 | Brest | France | SHOM | 1846-2012 | 91 |
| 824A | 205 | Marseille | France | SHOM | 1985-2012 | 51 |
| 015B | 140 | Papeete-B | French Polynesia | UH Sea Level Center | 1975-2012 | 97 |
| 016A | 138 | Rikitea | French Polynesia | UH Sea Level Center | 1969-2012 | 93 |
| 031A | 142 | Nuku Hiva | French Polynesia | UH Sea Level Center | 1982-2012 | 64 |
| 231C | 335 | Takoradi-C | Ghana | Survey of Ghana | 2007-2012 | 61 |
| 789A | | Prickley Bay | Grenada | UH Sea Level Center | 2011-2012 | 99 |
| 033A | 69 | Bitung | Indonesia | BAKOSURTANAL | 1986-2012 | 40 |
| 107B | 45 | Padang-B | Indonesia | BAKOSURTANAL | 2005-2012 | 94 |
| 123A | 347 | Sabang | Indonesia | BAKOSURTANAL | 2005-2012 | 78 |
| 125A | | Prigi | Indonesia | UH Sea Level Center | 2007-2012 | 95 |
| 133B | 68 | Ambon-B | Indonesia | BAKOSURTANAL | 2008-2012 | 43 |
| 162B | 291 | Cilacap-B | Indonesia | UH Sea Level Center | 2007-2012 | 99 |
| 163B | 49 | Benoa-B | Indonesia | UH Sea Level Center | 2006-2012 | 86 |
| 419A | | Lembar | Indonesia | UH Sea Level Center | 2008-2012 | 54 |
| 420A | | Saumlaki | Indonesia | UH Sea Level Center | 2008-2012 | 100 |
| 915A | 337 | Chabahar | Iran | HDNCC | 2007-2013 | 98 |
| 047A | 103 | Chichijima | Japan | Japan Meteor. Agency | 1975-2012 | 100 |
| 049A | 104 | Minamitorishima | Japan | Japan Meteor. Agency | 1997-2012 | 94 |
| 347A | 327 | Abashiri | Japan | Japan Meteor. Agency | 1968-2012 | 98 |
| 348A | 326 | Hamada | Japan | Japan Meteor. Agency | 1984-2012 | 96 |

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|-------------|-----|-----------------|------------|------------------------|-----------|-----|
| 349A | 325 | Toyama | Japan | Japan Meteor. Agency | 1967-2012 | 99 |
| 350A | 89 | Kushiro | Japan | Japan Meteor. Agency | 1963-2012 | 97 |
| 351A | 87 | Ofunato | Japan | Japan Meteor. Agency | 1965-2012 | 98 |
| 352A | 86 | Mera | Japan | Japan Meteor. Agency | 1965-2012 | 95 |
| 353A | 85 | Kushimoto | Japan | Japan Meteor. Agency | 1961-2012 | 98 |
| 354A | 82 | Aburatsu | Japan | Japan Meteor. Agency | 1961-2012 | 100 |
| 355A | 81 | Naha | Japan | Japan Meteor. Agency | 1966-2012 | 100 |
| 356A | | Maisaka | Japan | Japan Meteor. Agency | 1968-2012 | 97 |
| 357A | | Miyakejima | Japan | Japan Ocean. Data Cen. | 1964-2011 | 99 |
| 360A | 324 | Wakkanai | Japan | Japan Meteor. Agency | 1967-2012 | 99 |
| 362A | 83 | Nagasaki | Japan | Japan Meteor. Agency | 1985-2012 | 100 |
| 364A | 88 | Hakodate | Japan | Japan Meteor. Agency | 1964-2012 | 94 |
| 365A | | Ishigaki | Japan | Japan Meteor. Agency | 1969-2012 | 99 |
| 375A | | Hachinohe | Japan | Japan Meteor. Agency | 1980-2011 | 99 |
| 101A | 8 | Mombasa | Kenya | UH Sea Level Center | 1986-2012 | 71 |
| 149B | | Lamu-B | Kenya | UH Sea Level Center | 1995-2012 | 97 |
| 140A | | Kelang | Malaysia | Dept. Survey/Mapping | 1983-2011 | 96 |
| 141A | | Keling | Malaysia | Dept. Survey/Mapping | 1984-2011 | 99 |
| 142A | | Langkawi | Malaysia | Dept. Survey/Mapping | 1985-2012 | 99 |
| 143A | 43 | Lumut | Malaysia | Dept. Survey/Mapping | 1984-2011 | 97 |
| 144A | | Penang | Malaysia | Dept. Survey/Mapping | 1984-2011 | 97 |
| 320A | 293 | Cendering | Malaysia | Dept. Survey/Mapping | 1984-2011 | 98 |
| 321A | | Johor Baharu | Malaysia | Dept. Survey/Mapping | 1983-2011 | 95 |
| 322A | | Kuantan | Malaysia | Dept. Survey/Mapping | 1983-2011 | 99 |
| 323A | | Tioman | Malaysia | Dept. Survey/Mapping | 1985-2011 | 97 |
| 324A | | Sedili | Malaysia | Dept. Survey/Mapping | 1986-2011 | 98 |
| 325A | | Kukup | Malaysia | Dept. Survey/Mapping | 1985-2011 | 98 |
| 326A | | Geting | Malaysia | Dept. Survey/Mapping | 1986-2011 | 99 |
| 385A | | Tawau | Malaysia | Dept. Survey/Mapping | 1987-2011 | 96 |
| 386A | | Kota Kinabalu | Malaysia | Dept. Survey/Mapping | 1987-2011 | 93 |
| 387A | | Bintulu | Malaysia | Dept. Survey/Mapping | 1992-2011 | 87 |
| 388A | | Miri | Malaysia | Dept. Survey/Mapping | 1992-2011 | 57 |
| 389A | | Sandakan | Malaysia | Dept. Survey/Mapping | 1993-2011 | 98 |
| 806A | | Nouakchott | Mauritania | PAN | 2007-2013 | 91 |
| 103C | 18 | Port Louis-C | Mauritius | UH Sea Level Center | 1986-2012 | 99 |
| 105A | 19 | Rodrigues | Mauritius | UH Sea Level Center | 1986-2012 | 97 |
| 155A | 96 | Dzaoudzi | Mayotte | SHOM | 1985-2012 | 36 |
| 316C | 267 | Acapulco-C,Gro. | Mexico | UH Sea Level Center | 2007-2011 | 100 |
| 395B | 163 | Manzanillo-B | Mexico | National Ocean Service | 1992-2012 | 86 |
| 192C | 11 | Pemba-C | Mozambique | INAHINA | 2007-2013 | 48 |
| 900A | 10 | Inhambane | Mozambique | INAHINA | 2011-2011 | 20 |
| 906A | 141 | Moulmein | Myanmar | UH Sea Level Center | 2006-2012 | 68 |

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|-------------|-----|-----------------|------------------|------------------------|-----------|-----|
| 907A | 37 | Akyab (Sittwe) | Myanmar | UH Sea Level Center | 2006-2012 | 55 |
| 220A | 314 | Walvis Bay | Namibia | SANHO | 1959-2012 | 44 |
| 073A | | Tauranga | New Zealand | LINZ | 1984-2012 | 88 |
| 076A | | Taranaki | New Zealand | LINZ | 1984-2012 | 89 |
| 077A | | Nelson | New Zealand | LINZ | 1984-2012 | 60 |
| 078B | | Gisborne-B | New Zealand | LINZ | 2010-2012 | 98 |
| 398A | | Marsden Point | New Zealand | LINZ | 1975-2012 | 82 |
| 403A | | Jackson | New Zealand | Nat. Tidal Ctr., BOM | 1999-2012 | 100 |
| 665A | | Timaru | New Zealand | LINZ | 1987-2012 | 60 |
| 667A | | Lyttelton | New Zealand | LINZ | 1995-2012 | 97 |
| 668A | | Napier | New Zealand | LINZ | 1989-2012 | 82 |
| 669A | | Port Chalmers | New Zealand | LINZ | 1985-2012 | 63 |
| 028B | 118 | Saipan-B | N. Mariana Is. | UH Sea Level Center | 1978-2012 | 87 |
| 110B | | Muscat-B | Oman | UH Sea Level Center | 2009-2012 | 89 |
| 113A | | Masirah | Oman | UH Sea Level Center | 1996-2012 | 81 |
| 114A | 4 | Salalah | Oman | UH Sea Level Center | 1989-2012 | 84 |
| 147B | 30 | Karachi-B | Pakistan | PNHD | 2007-2013 | 99 |
| 266A | 208 | Cristobal | Panama | Autoridad Canal Panama | 1907-2012 | 92 |
| 302A | 168 | Balboa | Panama | Autoridad Canal Panama | 1907-2012 | 98 |
| 400A | 331 | Lombrum | Papua New Guinea | Nat. Tidal Ctr., BOM | 1994-2012 | 93 |
| 092B | | Talara-B | Peru | DHNM | 1988-2012 | 77 |
| 093B | 173 | Callao-B | Peru | DHNM | 1970-2012 | 97 |
| 094B | | Matarani-B | Peru | DHNM | 1992-2012 | 85 |
| 096B | | San Juan-B | Peru | DHNM | 2003-2012 | 95 |
| 678B | | Paita-B | Peru | DHNM | 1988-2012 | 84 |
| 683B | | Pisco-B | Peru | DHNM | 1991-2012 | 74 |
| 370A | 73 | Manila-A | Philippines | Ocean. Surveys Div. | 1984-2012 | 91 |
| 370B | 73 | Manila-B | Philippines | UH Sea Level Center | 2006-2012 | 99 |
| 371A | 72 | Legaspi | Philippines | Ocean. Surveys Div. | 1984-2012 | 86 |
| 372B | 71 | Davao-B | Philippines | Ocean. Surveys Div. | 1998-2012 | 57 |
| 379A | | Cebu | Philippines | Ocean. Surveys Div. | 1998-2012 | 81 |
| 380A | | Puerto Princesa | Philippines | Ocean. Surveys Div. | 1998-2012 | 87 |
| 382A | | Subic Bay | Philippines | UH Sea Level Center | 2007-2012 | 100 |
| 654A | | Currimaao | Philippines | UH Sea Level Center | 2009-2012 | 99 |
| 655A | | Lubang | Philippines | UH Sea Level Center | 2010-2012 | 100 |
| 211A | 245 | Ponta Delgada | Portugal | Inst. Hidro. Marinha | 1978-2012 | 71 |
| 213A | 244 | Flores,Lajes | Portugal | Inst. Hidro. Marinha | 2006-2012 | 100 |
| 218B | 250 | Funchal-B | Portugal | Inst. Hidro. Marinha | 1976-2012 | 75 |
| 005B | 112 | Majuro-B | Rep. Marshall I. | Nat. Tidal Ctr., BOM | 1993-2012 | 98 |
| 055A | 111 | Kwajalein | Rep. Marshall I. | National Ocean Service | 1946-2012 | 98 |
| 007B | 120 | Malakal-B | Rep. of Belau | UH Sea Level Center | 1969-2012 | 96 |
| 340A | | Kaohsiung | Rep. of China | Central Weather Bureau | 1980-2012 | 98 |

| | | | | | | |
|-------------|-----|-------------------|------------------|------------------------|-----------|-----|
| 341A | | Keelung | Rep. of China | Central Weather Bureau | 1980-2012 | 85 |
| 119A | 2 | Djibouti | Rep. of Djibouti | Port of Djibouti | 2007-2013 | 87 |
| 002D | 113 | Tarawa-D,Betio | Rep. of Kiribati | Nat. Tidal Ctr., BOM | 1992-2012 | 93 |
| 011B | 146 | Christmas-B | Rep. of Kiribati | UH Sea Level Center | 1974-2012 | 94 |
| 013B | 145 | Kanton-B | Rep. of Kiribati | UH Sea Level Center | 1972-2012 | 88 |
| 108B | 28 | Male-B,Hulule | Rep. of Maldives | UH Sea Level Center | 1989-2012 | 94 |
| 109A | 27 | Gan | Rep. of Maldives | UH Sea Level Center | 1987-2012 | 92 |
| 117B | | Hanimaadhoo-B | Rep. of Maldives | UH Sea Level Center | 2002-2012 | 91 |
| 004B | 114 | Nauru-B | Rep. of Nauru | Nat. Tidal Ctr., BOM | 1993-2012 | 92 |
| 223E | 253 | Dakar-E | Senegal | UH Sea Level Center | 1996-2012 | 70 |
| 121A | 339 | Pt. La Rue | Seychelles | UH Sea Level Center | 1993-2012 | 98 |
| 699A | 44 | Tanjong Pagar | Singapore | Port Singapore Auth. | 1988-2011 | 95 |
| 009B | 66 | Honiara-B | Solomon Islands | Nat. Tidal Ctr., BOM | 1994-2012 | 98 |
| 181A | 13 | Durban | South Africa | SANHO | 1970-2011 | 65 |
| 184A | 76 | Port Elizabeth | South Africa | SANHO | 1973-2011 | 71 |
| 185A | | Mossel Bay | South Africa | SANHO | 1964-2012 | 73 |
| 186A | | Knysna | South Africa | SANHO | 1966-2012 | 63 |
| 187A | | East London | South Africa | SANHO | 1965-2011 | 57 |
| 188A | | Richard's Bay | South Africa | SANHO | 1977-2011 | 55 |
| 221A | 268 | Simon's Town | South Africa | SANHO | 1959-2011 | 80 |
| 701A | | Port Nolloth | South Africa | SANHO | 1958-2012 | 77 |
| 702A | | Luderitz | South Africa | SANHO | 1958-2012 | 67 |
| 703A | | Saldahna Bay | South Africa | SANHO | 1973-2011 | 71 |
| 228A | | Tenerife | Spain | Puertos del Estado | 1992-2012 | 95 |
| 830A | 243 | La Coruna | Spain | Inst. Espanol Ocean. | 1943-2012 | 97 |
| 115C | 33 | Colombo-C | Sri Lanka | UH Sea Level Center | 2006-2012 | 100 |
| 819A | 233 | Goteborg-Torsh. | Sweden | SMHI | 1967-2012 | 100 |
| 826A | 341 | Stockholm | Sweden | SMHI | 1889-2012 | 99 |
| 151A | 297 | Zanzibar | Tanzania | UH Sea Level Center | 1984-2012 | 96 |
| 148A | 42 | Ko Taphao Noi | Thailand | Naval Hydro. Dept. | 1985-2012 | 97 |
| 328A | 39 | Ko Lak | Thailand | Naval Hydro. Dept. | 1985-2012 | 94 |
| 038A | 125 | Nuku'alofa | Tonga | Nat. Tidal Ctr., BOM | 1990-2012 | 98 |
| 025B | 121 | Funafuti-B | Tuvalu | Nat. Tidal Ctr., BOM | 1993-2012 | 97 |
| 104D | 26 | Diego Garcia-D | United Kingdom | UH Sea Level Center | 2003-2012 | 81 |
| 259B | 221 | Bermuda-B | United Kingdom | National Ocean Service | 1985-2012 | 83 |
| 014B | 107 | French Frigate-B | USA | UH Sea Level Center | 2007-2012 | 80 |
| 039A | | Kodiak,Alaska | USA | National Ocean Service | 1975-2012 | 86 |
| 040A | 302 | Adak,Alaska | USA | National Ocean Service | 1950-2012 | 92 |
| 041B | 102 | Dutch Harbor-B,AK | USA | National Ocean Service | 1982-2012 | 97 |
| 057B | 108 | Honolulu-B | USA | National Ocean Service | 1905-2012 | 98 |
| 058A | | Nawiliwili | USA | National Ocean Service | 1954-2012 | 99 |
| 059A | | Kahului | USA | National Ocean Service | 1950-2012 | 93 |

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|-------------|-----|------------------|-----|------------------------|-----------|-----|
| 060A | 287 | Hilo | USA | National Ocean Service | 1927-2012 | 83 |
| 061A | | Mokuoloe | USA | National Ocean Service | 1957-2012 | 81 |
| 214A | | Lameshur Bay,VI | USA | National Ocean Service | 2006-2012 | 99 |
| 219A | | Culebra,PR | USA | National Ocean Service | 2005-2012 | 94 |
| 240A | | Fernandina Beach | USA | National Ocean Service | 1897-2012 | 45 |
| 242A | 216 | Key West | USA | National Ocean Service | 1913-2012 | 98 |
| 245A | 206 | San Juan | USA | National Ocean Service | 1977-2012 | 95 |
| 246A | | Magueyes Island | USA | National Ocean Service | 1965-2012 | 97 |
| 252A | | Portland,ME | USA | National Ocean Service | 1910-2012 | 97 |
| 253A | 290 | Newport,RI | USA | National Ocean Service | 1930-2012 | 96 |
| 254A | | Limetree Bay | USA | National Ocean Service | 1982-2012 | 92 |
| 255A | | Charlotte Amalie | USA | National Ocean Service | 1978-2012 | 90 |
| 258A | | Christiansted,VI | USA | National Ocean Service | 2006-2012 | 98 |
| 260A | 219 | Duck Pier,NC | USA | National Ocean Service | 1978-2012 | 99 |
| 261A | | Charleston,SC | USA | National Ocean Service | 1921-2012 | 98 |
| 263A | | Aguadilla,PR | USA | National Ocean Service | 2006-2012 | 90 |
| 264A | 220 | Atlantic City,NJ | USA | National Ocean Service | 1911-2012 | 95 |
| 267A | | Mona Is.,PR | USA | National Ocean Service | 2006-2012 | 91 |
| 279A | | Montauk | USA | National Ocean Service | 1959-2012 | 90 |
| 547A | | Barbers Point,HI | USA | UH Sea Level Center | 2009-2012 | 82 |
| 548A | | Kaunapali,HI | USA | UH Sea Level Center | 2007-2012 | 99 |
| 551A | 158 | San Francisco,CA | USA | National Ocean Service | 1897-2012 | 100 |
| 554A | 159 | La Jolla,CA | USA | National Ocean Service | 1924-2012 | 94 |
| 555A | | Monterey,CA | USA | National Ocean Service | 1973-2012 | 100 |
| 556A | | Crescent City,CA | USA | National Ocean Service | 1933-2012 | 91 |
| 557A | | Port Orford,OR | USA | National Ocean Service | 1996-2012 | 82 |
| 558A | | Neah Bay,WA | USA | National Ocean Service | 1934-2012 | 97 |
| 559A | 154 | Sitka,AK | USA | National Ocean Service | 1938-2012 | 99 |
| 560C | 150 | Seward-C,AK | USA | National Ocean Service | 1967-2012 | 88 |
| 561A | | Seldovia,AK | USA | National Ocean Service | 1975-2012 | 89 |
| 562A | | Valdez,AK | USA | National Ocean Service | 1973-2012 | 90 |
| 564A | | Willapa Bay,WA | USA | National Ocean Service | 1972-2012 | 96 |
| 565A | | Port San Luis,CA | USA | National Ocean Service | 1948-2012 | 90 |
| 567A | | Los Angeles,CA | USA | National Ocean Service | 1923-2012 | 99 |
| 569A | | San Diego,CA | USA | National Ocean Service | 1906-2012 | 97 |
| 570A | | Yakutat,AK | USA | National Ocean Service | 1961-2012 | 92 |
| 571A | | Ketchikan,AK | USA | National Ocean Service | 1918-2012 | 75 |
| 572A | | Astoria,OR | USA | National Ocean Service | 1925-2012 | 98 |
| 573A | | Arena Cove,CA | USA | National Ocean Service | 1996-2012 | 100 |
| 574A | 100 | Sand Point,AK | USA | National Ocean Service | 1973-2012 | 97 |
| 575A | | Charleston,OR | USA | National Ocean Service | 1978-2012 | 99 |
| 576A | | Humboldt Bay,CA | USA | National Ocean Service | 1993-2012 | 99 |

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|-------------|-----|-------------------|-----------|------------------------|-----------|-----|
| 577A | | Santa Barbara,CA | USA | National Ocean Service | 1996-2012 | 57 |
| 578A | | Santa Monica,CA | USA | National Ocean Service | 1973-2012 | 94 |
| 579A | 151 | Prudhoe Bay,AK | USA | National Ocean Service | 1993-2012 | 100 |
| 583B | | Cordova-B,AK | USA | National Ocean Service | 1964-2012 | 87 |
| 584A | | Port Angeles,WA | USA | National Ocean Service | 1979-2012 | 72 |
| 592A | 157 | South Beach,OR | USA | National Ocean Service | 1967-2012 | 99 |
| 594A | | Harvest Oil P.,CA | USA | National Ocean Service | 1995-2012 | 61 |
| 595A | 74 | Nome, AK | USA | National Ocean Service | 1992-2012 | 83 |
| 732A | | Isabel Segunda,PR | USA | National Ocean Service | 2009-2012 | 91 |
| 733A | | Esperanza,PR | USA | National Ocean Service | 2005-2012 | 93 |
| 734A | | Yabucoa,PR | USA | National Ocean Service | 2008-2012 | 98 |
| 735A | | Arecibo,PR | USA | National Ocean Service | 2008-2012 | 100 |
| 736A | | Mayaguez,PR | USA | National Ocean Service | 2008-2012 | 100 |
| 740A | | Eastport,ME | USA | National Ocean Service | 1929-2012 | 94 |
| 741A | | Boston,MA | USA | National Ocean Service | 1921-2012 | 99 |
| 742A | | Woods Hole,MA | USA | National Ocean Service | 1957-2012 | 90 |
| 743A | | Nantucket,MA | USA | National Ocean Service | 1965-2012 | 96 |
| 744A | | New London,CT | USA | National Ocean Service | 1938-2012 | 95 |
| 745A | | New York,NY | USA | National Ocean Service | 1920-2012 | 87 |
| 746A | | Cape May,NJ | USA | National Ocean Service | 1965-2012 | 90 |
| 747A | | Lewes,DE | USA | National Ocean Service | 1957-2012 | 97 |
| 749A | | Chesapeake BBT,VA | USA | National Ocean Service | 1975-2012 | 99 |
| 750A | | Wilmington,NC | USA | National Ocean Service | 1935-2012 | 98 |
| 752A | 289 | Fort Pulaski,GA | USA | National Ocean Service | 1935-2012 | 95 |
| 755A | 332 | Virginia Key,FL | USA | National Ocean Service | 1996-2012 | 99 |
| 757A | | Naples,FL | USA | National Ocean Service | 1996-2012 | 96 |
| 759A | | St. Petersburg,FL | USA | National Ocean Service | 1946-2012 | 96 |
| 760A | | Apalachicola,FL | USA | National Ocean Service | 1996-2012 | 97 |
| 762A | 288 | Pensacola,FL | USA | National Ocean Service | 1923-2012 | 96 |
| 763A | | Dauphin Island AL | USA | National Ocean Service | 1996-2012 | 73 |
| 765A | | Grand Isle,LA | USA | National Ocean Service | 1980-2012 | 97 |
| 766A | | Sabine Pass N, TX | USA | National Ocean Service | 1992-2012 | 98 |
| 767A | | Galveston,P.Pier | USA | National Ocean Service | 1957-2011 | 97 |
| 769A | | Rockport,TX | USA | National Ocean Service | 1937-2012 | 75 |
| 770A | | Corpus Cristi,TX | USA | National Ocean Service | 1988-2012 | 99 |
| 772A | | Port Isabel,TX | USA | National Ocean Service | 1977-2012 | 97 |
| 773A | | Clearwater Bch,FL | USA | National Ocean Service | 1996-2012 | 96 |
| 774A | | Port Canaveral,FL | USA | National Ocean Service | 1994-2012 | 98 |
| 775A | 217 | Galveston,Pier21 | USA | National Ocean Service | 1904-2012 | 96 |
| 783B | | Fajardo-B,PR | USA | National Ocean Service | 2008-2012 | 100 |
| 037A | | Pago Bay, Guam | USA Trust | National Ocean Service | 2004-2012 | 91 |
| 050A | 106 | Midway | USA Trust | National Ocean Service | 1947-2012 | 94 |

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|-------------|-----|-------------|---------------|------------------------|-----------|----|
| 051A | 105 | Wake | USA Trust | National Ocean Service | 1950-2012 | 93 |
| 052A | 109 | Johnston | USA Trust | UH Sea Level Center | 1947-2012 | 91 |
| 053A | 149 | Guam | USA Trust | National Ocean Service | 1948-2012 | 93 |
| 056A | 144 | Pago Pago | USA Trust | National Ocean Service | 1948-2012 | 96 |
| 046B | 348 | Port Vila-B | Vanuatu | Nat. Tidal Ctr., BOM | 1993-2012 | 95 |
| 381B | 75 | Qui Nhon-B | Vietnam | UH Sea Level Center | 2007-2012 | 81 |
| 383B | | Vung Tau-B | Vietnam | UH Sea Level Center | 2007-2012 | 98 |
| 401B | | Apia-B | Western Samoa | Nat. Tidal Ctr., BOM | 1993-2012 | 96 |
| 172A | 3 | Aden | Yemen | Port of Aden | 2007-2013 | 95 |

A.6 Replaced Years within Existing Series

| DATE | JASL | Station | Originator | Years | Comment |
|---------------|------|----------------|------------|-----------|--|
| 11-Nov | 057B | Honolulu | NOS | 1982-1982 | fix timing glitch 6 Jan |
| 12-Feb | 101A | Mombasa | UHSLC | 2004-2004 | remove Feb, lev shift |
| 12-Mar | 048A | Anewa Bay | UHSLC | 1968-1977 | time zone corrected |
| 12-Sep | 101A | Mombasa | UHSLC | 2004-2004 | add Feb back in, fixed |
| 12-Nov | 098A | Esmeraldas | INOCAR | 2011-2011 | ??shift jan 2011 |
| 13-Jan | 078B | Gisborne-B | LINZ | 2010-2011 | no reference level |
| 13-Jan | 051A | Wake | NOS | 2006-2008 | replace for missing data |
| 13-Feb | 050A | Midway | NOS | 2011-2011 | replace due to minor update in June 2011 |
| 13-Mar | 303A | Tumaco | IDEAM | 1951-2012 | replace historic set |
| 13-Apr | 552A | Kawaihae,HI | NOS | 2011-2012 | shift seen in 2006, rqds->2005 |
| 13-Apr | 734A | Yabucoa Harbor | NOS | 2011-2012 | place 2008-2010->new station datum |
| 13-May | 003B | Baltra | UHSLC | 2008-2012 | 2008-6/2010 replaced |
| 13-May | 007B | Malakal | UHSLC | 2008-2012 | 12/2008-10/2009 replaced |
| 13-Jun | 008B | Yap | UHSLC | 2005-2012 | 2005 replaced |
| 13-Jun | 013B | Kanton | UHSLC | 2007-2012 | 2007 replaced |
| 13-Jun | 024A | Penryhn | UHSLC | 2007-2012 | replace 8/2007-9/2010; |
| 13-Jun | 016A | Rikitea | UHSLC | 2003-2012 | 1-6/2003 replaced |
| 13-Jun | 028B | Saipan | UHSLC | 2009-2012 | 1-9/2009 replaced |
| 13-Jun | 030A | Santa Cruz | UHSLC | 2006-2012 | replace 2006-2007 |
| 13-Jun | 101A | Mombasa | UHSLC | 2008-2012 | replace 2008, gaps in 2010- |
| 13-Jun | 103C | Port Louis | UHSLC | 2007-2012 | replace 2007-2008 |
| 13-Jun | 104D | Diego Garcia | UHSLC | 2008-2012 | replace 2008-2009 |
| 13-Jun | 105A | Rodrigues | UHSLC | 2002-2012 | replace 12/2002-2003 |
| 13-Jun | 125A | Prigi | UHSLC | 2007-2012 | replace 2007-2008 |
| 13-Jul | 148a | Phuket | UHSLC | 2009-2012 | replace RTN |

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|---------------|------|---------------|-------|-----------|--|
| 13-Jul | 149b | Lamu | UHSLC | 2004-2012 | replace 2004 |
| 13-Jul | 151a | Zanzibar | UHSLC | 2005-2012 | replace 2005-06 |
| 13-Jul | 162b | Cilicap | UHSLC | 2007-2012 | replace 2007-08 |
| 13-Jul | 163b | Benoa | UHSLC | 2006-2012 | replace 2006-07 |
| 13-Jul | 223e | Dakar | UHSLC | 2008-2012 | replace 2008-09 |
| 13-Jul | 381a | Qui Nhon | UHSLC | 2008-2012 | replace 2008-2009; separate 381A,-B |
| 13-Jul | 383b | Vung Tau | UHSLC | 2007-2012 | 383A and 383B |
| 13-Jul | 708b | Salvador | UHSLC | 2006-2012 | replace 2006 |
| 13-Jul | 729a | Mar del Plata | UHSLC | 2010-2012 | OK, separated into -A, and -B |
| 13-Jul | 030a | Santa Cruz | UHSLC | 2007-2008 | OK, FD replaces missing 11/8/2007-2/18/2008 |
| 13-Jul | 052a | Johnston | UHSLC | 2003-2012 | OK 2008-2012 correct 7/17/2013 |
| 13-Jul | 906a | Moulmein | UHSLC | 2006-2012 | gaps not interpolated 2010-11 |
| 13-Jul | 107b | Padang | UHSLC | 2005-2012 | OK, replace 2005-2007 |
| 13-Jul | 108b | Male | UHSLC | 2009-2012 | OK, replace 2009-2010 |
| 13-Jul | 109a | Gan | UHSLC | 2008-2012 | OK, replace 2008-2009 |
| 13-Jul | 113a | Masirah | UHSLC | 2008-2012 | OK, replace 2008 |
| 13-Jul | 117b | Hanimaadhoo | UHSLC | 2002-2012 | OK, break into 117a 117b |
| 13-Jul | 370b | Manila | UHSLC | 2006-2012 | OK, mismatch level to 370A |
| 13-Jul | 395b | Manzanillo | UHSLC | 2003-2012 | OK, replace 2003 |
| 13-Jul | 907a | Akyab | UHSLC | 2006-2012 | OK, replace 2006-2009 |
| 13-Jul | 081a | Valparaiso | UHSLC | 2010-2012 | OK, replace 2010 |
| 13-Jul | 121a | Pt. La Rue | UHSLC | 2003-2012 | OK, replace 2003-2004 |
| 13-Jul | 123a | Sabang | UHSLC | 2007-2012 | OK, replace 2007-2008 |
| 13-Jul | 094b | Matarani | DHN | 2011-2012 | OK, use UHSLC 10/15/11-10/18/12 |
| 13-Jul | 351a | Ofunato | JMA | 1965-2012 | level correction for shift, 1965-3/2011 +801mm |
| 13-Aug | 025b | Funafuti | NTC | 2010-2012 | OK replace 2005-2009 |
| 13-Aug | 038a | Nuku'alofa | NTC | 2010-2012 | OK replace 2005-2009 |
| 13-Aug | 046b | Port Vila | NTC | 2010-2012 | OK replace 2005-2009 |
| 13-Aug | 128a | Thevenard | NTC | 2010-2012 | OK replace 2005-2009 |
| 13-Aug | 129a | Portland,VT | NTC | 2010-2012 | OK replace 2005-2009 |
| 13-Aug | 130a | Casey | NTC | 2008-2008 | OK missing 2007 |
| 13-Aug | 165a | Wyndham | NTC | 2006-2012 | 1984-2005+260mm, replace 2005 |
| 13-Aug | 167a | Carnarvon | NTC | 2006-2012 | 1984-2005+140mm, replace 2005 |
| 13-Aug | 169a | Port Hedland | NTC | 2006-2012 | 1984-2005+140mm, replace 2005 |
| 13-Aug | 175a | Fremantle | NTC | 2010-2012 | OK replace 2005-2009 |
| 13-Aug | 176a | Esperance | NTC | 2010-2012 | OK replace 2005-2009 |
| 13-Aug | 177a | Mawson | NTC | 2006-2009 | replace 2005-2006 |
| 13-Aug | 332a | Bundaberg | NTC | 2010-2012 | 1984-2005+340mm, replace 2005-2009 |
| 13-Aug | 333a | Fort Denison | NTC | 2010-2012 | OK replace 2005-2009 |
| 13-Aug | 334a | Townsville | NTC | 2010-2012 | 1984-2005+280mm, replace 2005-2009 |
| 13-Aug | 335a | Spring Bay | NTC | 2010-2012 | OK replace 2005-2009 |

| | | | | | |
|--------|------|------------------|-----------|-----------|--|
| 13-Aug | 336a | Booby Island | NTC | 2010-2012 | OK replace 2005-2009 |
| 13-Aug | 339a | Hobart | NTC | 2007-2012 | OK replace 2005-2006 |
| 13-Aug | 399a | Lord Howe | NTC | 2006-2012 | OK replace 2005-2006 |
| 13-Aug | 400a | Lombrum | NTC | 2010-2012 | OK replace 2005-2009 |
| 13-Aug | 401b | Apia | NTC | 2010-2012 | OK replace 2005-2009 |
| 13-Aug | 402a | Lautoka | NTC | 2010-2012 | OK replace 2005-2009 |
| 13-Aug | 403a | Jackson | NTC | 2010-2012 | OK replace 2005-2009 |
| 13-Aug | 001c | Pohnpei | NTC | 2010-2012 | 2001-2004+7mm, replace 2005-2009 |
| 13-Aug | 330a | Rosslyn | NTC | 2010-2012 | OK replace 2005-2009 |
| 13-Aug | 014a | French Frigate S | UHSLC | 2004-2012 | Shift May 2007: break into A-, B- |
| 13-Aug | 031a | Nuku Hiva | UHSLC | 2004-2012 | found 2004-6; replace 2007 |
| 13-Aug | 033a | Bitung | UHSLC | 2009-2012 | some gaps replace relative to 06/13 update |
| 13-Aug | 052a | Johnston | UHSLC | 2008-2012 | some gaps replace relative to 06/13 update |
| 13-Aug | 093b | Callao | UHSLC/DHN | 2010-2012 | july2013 set replaced; add dhn oct-dec2012 |
| 13-Aug | 107b | Padang | UHSLC | 2005-2012 | replace Jul2013 set |
| 13-Aug | 105a | Rodrigues | UHSLC | 2002-2012 | SDR replaces spotty gaps for July13 set |
| 13-Aug | 108b | Male | UHSLC | 2009-2012 | SDR replaces spotty gaps for July13 set |
| 13-Aug | 115c | Colombo | UHSLC | 2006-2012 | replace 2006-2012 |
| 13-Aug | 117b | Hanimaadhoo | UHSLC | 2002-2012 | replace 2002-2012 |
| 13-Aug | 181a | Durban | SANHO | 2010-2011 | FD for 2010 |
| 13-Aug | 372b | Davao | NMRIA | 2009-2012 | replace 2007-2008 |
| 13-Aug | 370a | Manila | NMRIA | 2009-2012 | OK, UHSLC overlap |
| 13-Sep | 140a | Kelang | DSM | 2007-2011 | level top hat shift 25 aug - 9 sep 2011 |
| 13-Sep | 172a | Aden | BODC | 2007-2013 | replace 2007-2011 |
| 13-Sep | 807a | Alexandria | BODC | 2009-2013 | replace 2009-2011 |
| 13-Sep | 915a | Chabahar | BODC | 2007-2013 | replace 2007-2011 |
| 13-Sep | 119a | Djibouti | BODC | 2007-2013 | replace 2007-2011 |
| 13-Sep | 900a | Inhambane | BODC | 2007-2013 | bad data, only 2011 for JASL |
| 13-Sep | 147b | Karachi | BODC | 2007-2013 | replace 2007-2011 |
| 13-Sep | 806a | Nouakchott | BODC | 2007-2013 | replace 2007-2011 |
| 13-Sep | 192c | Pemba | BODC | 2007-2013 | replace 2007-2009,sparse 2010-13 |
| 13-Sep | 234b | Pointe Noire | BODC | 2008-2013 | replace 2008-2011 |
| 13-Sep | 231c | Takoradi | BODC | 2007-2012 | replace 2007-2009 |
| 13-Sep | 218b | Funchal | PHI | 2003-2012 | replace 2003-2009 |

A.7 Series with 60-Year Minimum Length

NSL: Recently reached 60-year minimum.

| JASL | NSL | GLOSS | STATION | COUNTRY | LAT | LONG | QC-YEARS | CI |
|------|-----|-------|-------------|-----------|--------|---------|-----------|----|
| 040A | | 302 | Adak,Alaska | USA | 51-52N | 176-38W | 1950-2012 | 92 |
| 050A | | 106 | Midway | USA Trust | 28-13N | 177-22W | 1947-2012 | 94 |

| | | | | | | | | |
|-------------|-----|-----|------------------|------------------|--------|---------|-----------|-----|
| 051A | | 105 | Wake | USA Trust | 19-17N | 166-37E | 1950-2012 | 93 |
| 052A | yes | 109 | Johnston | USA Trust | 16-44N | 169-32W | 1947-2012 | 91 |
| 053A | | 149 | Guam | USA Trust | 13-26N | 144-39E | 1948-2012 | 93 |
| 055A | | 111 | Kwajalein | Rep. Marshall I. | 08-44N | 167-44E | 1946-2012 | 98 |
| 056A | | 144 | Pago Pago | USA Trust | 14-17S | 170-41W | 1948-2012 | 96 |
| 057B | | 108 | Honolulu-B | USA | 21-18N | 157-52W | 1905-2012 | 98 |
| 059A | | | Kahului | USA | 20-54N | 156-28W | 1950-2012 | 93 |
| 060A | | 287 | Hilo | USA | 19-44N | 155-04W | 1927-2012 | 83 |
| 071A | | 101 | Wellington | New Zealand | 41-17S | 174-47E | 1944-2010 | 97 |
| 080A | | 174 | Antofagasta | Chile | 23-39S | 070-24W | 1945-2012 | 93 |
| 081A | | 175 | Valparaiso | Chile | 33-02S | 071-38W | 1944-2012 | 86 |
| 091A | | 172 | La Libertad | Ecuador | 02-12S | 080-55W | 1949-2012 | 97 |
| 302A | | 168 | Balboa | Panama | 08-58N | 079-34W | 1907-2012 | 98 |
| 303A | | 171 | Tumaco | Colombia | 01-49N | 078-44W | 1951-2012 | 86 |
| 543A | | | Victoria,BC | Canada | 48-25N | 123-22W | 1909-2012 | 99 |
| 551A | | 158 | San Francisco,CA | USA | 37-48N | 122-28W | 1897-2012 | 100 |
| 554A | | 159 | La Jolla,CA | USA | 32-52N | 117-15W | 1924-2012 | 94 |
| 556A | | | Crescent City,CA | USA | 41-45N | 124-11W | 1933-2012 | 91 |
| 558A | | | Neah Bay,WA | USA | 48-22N | 124-37W | 1934-2012 | 97 |
| 559A | | 154 | Sitka,AK | USA | 57-03N | 135-21W | 1938-2012 | 99 |
| 565A | | | Port San Luis,CA | USA | 35-11N | 120-46W | 1948-2012 | 90 |
| 567A | | | Los Angeles,CA | USA | 33-43N | 118-16W | 1923-2012 | 99 |
| 569A | | | San Diego,CA | USA | 32-43N | 117-10W | 1906-2012 | 97 |
| 571A | | | Ketchikan,AK | USA | 55-20N | 131-38W | 1918-2012 | 75 |
| 572A | | | Astoria,OR | USA | 46-13N | 123-46W | 1925-2012 | 98 |
| 207A | | 249 | Ceuta | Spain | 35-54N | 005-19W | 1944-2010 | 96 |
| 240A | | | Fernandina Beach | USA | 30-40N | 081-28W | 1897-2012 | 45 |
| 242A | | 216 | Key West | USA | 24-33N | 081-49W | 1913-2012 | 98 |
| 252A | | | Portland,ME | USA | 43-39N | 070-15W | 1910-2012 | 97 |
| 253A | | 290 | Newport,RI | USA | 41-30N | 071-20W | 1930-2012 | 96 |
| 261A | | | Charleston,SC | USA | 32-47N | 079-56W | 1921-2012 | 98 |
| 264A | | 220 | Atlantic City,NJ | USA | 39-21N | 074-25W | 1911-2012 | 95 |
| 266A | | 208 | Cristobal | Panama | 09-21N | 079-55W | 1907-2012 | 92 |
| 275A | | 222 | Halifax | Canada | 44-40N | 063-35W | 1920-2011 | 98 |
| 294A | | 241 | Newlyn | United Kingdom | 50-06N | 005-33W | 1915-2010 | 98 |
| 740A | | | Eastport,ME | USA | 44-54N | 066-59W | 1929-2012 | 94 |
| 741A | | | Boston,MA | USA | 42-21N | 071-03W | 1921-2012 | 99 |
| 744A | | | New London,CT | USA | 41-21N | 072-05W | 1938-2012 | 95 |
| 745A | yes | | New York,NY | USA | 40-42N | 074-01W | 1920-2012 | 87 |
| 750A | | | Wilmington,NC | USA | 34-14N | 077-57W | 1935-2012 | 98 |
| 752A | | 289 | Fort Pulaski,GA | USA | 32-02N | 080-54W | 1935-2012 | 95 |
| 753A | | | Mayport,FL | USA | 30-24N | 081-26W | 1928-2000 | 99 |

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|-------------|-----|----------------------|---------|--------|---------|-----------|-----|
| 759A | | St. Petersburg,FL | USA | 27-46N | 082-38W | 1946-2012 | 96 |
| 762A | | 288 Pensacola,FL | USA | 30-24N | 087-13W | 1923-2012 | 96 |
| 769A | yes | Rockport,TX | USA | 28-01N | 097-03W | 1937-2012 | 75 |
| 775A | | 217 Galveston,Pier21 | USA | 29-19N | 094-48W | 1904-2012 | 96 |
| 804A | | 321 Tregde | Norway | 58-00N | 007-34E | 1927-2003 | 94 |
| 822A | | 242 Brest | France | 48-23N | 004-30W | 1846-2012 | 91 |
| 825A | | 284 Cuxhaven | Germany | 53-52N | 008-43E | 1917-1987 | 100 |
| 826A | | 341 Stockholm | Sweden | 59-20N | 018-05E | 1889-2012 | 99 |
| 830A | | 243 La Coruna | Spain | 43-22N | 008-24W | 1943-2012 | 97 |

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| 2 | 119A | Djibouti | Rep. of Djibouti | 11-37N | 043-08E | 2007-2013 | 87 |
| 3 | 172A | Aden | Yemen | 12-47N | 044-59E | 2007-2013 | 95 |
| 4 | 114A | Salalah | Oman | 16-56N | 054-00E | 1989-2012 | 84 |
| 8 | 101A | Mombasa | Kenya | 04-04S | 039-39E | 1986-2012 | 71 |
| 10 | 900A | Inhambane | Mozabique | 23-52S | 035-23E | 2011-2011 | 20 |
| 11 | 192A | Pemba-A | Mozambique | 12-58S | 040-30E | 1971-1973 | 25 |
| 11 | 192B | Pemba-B | Mozambique | 12-58S | 040-29E | 1982-1984 | 64 |
| 11 | 192C | Pemba-C | Mozambique | 12-58S | 040-29E | 2007-2013 | 48 |
| 12 | 256A | Exuma Cays | Bahamas | 23-46N | 076-06W | 1992-1993 | 99 |
| 13 | 181A | Durban | South Africa | 29-52S | 031-03E | 1970-2011 | 65 |
| 15 | 150A | Nosy Be | Madagascar | 13-24S | 048-18E | 1987-2000 | 59 |
| 17 | 164A | Reunion | France | 20-55S | 055-18E | 1982-1986 | 93 |
| 18 | 103A | Port Louis-A | Mauritius | 20-09S | 057-29E | 1942-1947 | 90 |
| 18 | 103B | Port Louis-B | Mauritius | 20-09S | 057-29E | 1964-1965 | 86 |
| 18 | 103C | Port Louis-C | Mauritius | 20-09S | 057-30E | 1986-2012 | 99 |
| 19 | 105A | Rodrigues | Mauritius | 19-40S | 063-25E | 1986-2012 | 97 |
| 21 | 178A | Crozet-A | France | 46-26S | 051-52E | 1995-1999 | 52 |
| 21 | 178B | Crozet-B | France | 46-26S | 051-52E | 2000-2001 | 76 |
| 22 | 177A | Mawson | Australia | 67-36S | 062-52E | 1992-2009 | 94 |
| 23 | 180A | Kerguelen | France | 49-21S | 070-13E | 1993-2012 | 99 |
| 24 | 179A | Saint Paul | France | 38-43S | 077-32E | 1994-2006 | 92 |
| 26 | 104B | Diego Garcia-B | United Kingdom | 07-14S | 072-26E | 1969-1969 | 41 |
| 26 | 104C | Diego Garcia-C | United Kingdom | 07-17S | 072-24E | 1988-2000 | 80 |
| 26 | 104D | Diego Garcia-D | United Kingdom | 07-17S | 072-24E | 2003-2012 | 81 |
| 27 | 109A | Gan | Rep. of Maldives | 00-41S | 073-09E | 1987-2012 | 92 |
| 28 | 108A | Male-A | Rep. of Maldives | 04-11N | 073-31E | 1988-1989 | 100 |
| 28 | 108B | Male-B,Hulule | Rep. of Maldives | 04-11N | 073-32E | 1989-2012 | 94 |
| 30 | 147A | Karachi-A | Pakistan | 24-48N | 066-58E | 1985-1994 | 83 |
| 30 | 147B | Karachi-B | Pakistan | 24-49N | 066-59E | 2007-2013 | 99 |

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| 33 | 115A | Colombo-A | Sri Lanka | 06-56N | 079-51E | 1953-1965 | 94 |
| 33 | 115B | Colombo-B | Sri Lanka | 06-57N | 079-51E | 1989-1992 | 96 |
| 33 | 115C | Colombo-C | Sri Lanka | 06-56N | 079-52E | 2006-2012 | 100 |
| 36 | 124A | Chittagong | Bangladesh | 22-15N | 091-50E | 2007-2012 | 97 |
| 37 | 907A | Akyab (Sittwe) | Myanmar | 20-08N | 092-54E | 2006-2012 | 55 |
| 39 | 328A | Ko Lak | Thailand | 11-48N | 099-49E | 1985-2012 | 94 |
| 40 | 166A | Broome | Australia | 18-00S | 122-13E | 1986-2012 | 88 |
| 42 | 148A | Ko Taphao Noi | Thailand | 07-50N | 098-26E | 1985-2012 | 97 |
| 43 | 143A | Lumut | Malaysia | 04-14N | 100-37E | 1984-2011 | 97 |
| 44 | 327A | Keppel Harbour | Singapore | 01-16N | 103-49E | 1981-1990 | 99 |
| 44 | 337A | Victoria Dock | Singapore | 01-16N | 103-49E | 1972-1981 | 95 |
| 44 | 699A | Tanjong Pagar | Singapore | 01-16N | 103-51E | 1988-2011 | 95 |
| 45 | 107A | Padang-A | Indonesia | 00-57S | 100-22E | 1986-1998 | 53 |
| 45 | 107B | Padang-B | Indonesia | 00-60S | 100-23E | 2005-2012 | 94 |
| 46 | 171A | Cocos | Australia | 12-07S | 096-54E | 1985-2012 | 96 |
| 47 | 170A | Christmas | Australia | 10-25S | 105-40E | 1986-2009 | 24 |
| 49 | 163A | Benoa-A | Indonesia | 08-45S | 115-13E | 1988-2004 | 69 |
| 49 | 163B | Benoa-B | Indonesia | 08-45S | 115-13E | 2006-2012 | 86 |
| 51 | 169A | Port Hedland | Australia | 20-19S | 118-35E | 1984-2012 | 98 |
| 52 | 167A | Carnarvon | Australia | 24-54S | 113-39E | 1984-2012 | 86 |
| 53 | 175A | Fremantle | Australia | 32-03S | 115-44E | 1984-2012 | 100 |
| 54 | 176A | Esperance | Australia | 33-52S | 121-54E | 1985-2012 | 98 |
| 55 | 129A | Portland, Vict. | Australia | 38-21S | 141-37E | 1991-2012 | 99 |
| 56 | 335A | Spring Bay | Australia | 42-33S | 147-56E | 1985-2012 | 96 |
| 57 | 333A | Fort Denison | Australia | 33-51S | 151-14E | 1965-2012 | 95 |
| 58 | 331A | Brisbane | Australia | 27-22S | 153-10E | 1984-2012 | 98 |
| 59 | 332A | Bundaberg | Australia | 24-46S | 152-23E | 1984-2012 | 99 |
| 60 | 334A | Townsville | Australia | 19-15S | 146-50E | 1984-2012 | 100 |
| 61 | 336A | Booby Island | Australia | 10-36S | 141-55E | 1988-2012 | 93 |
| 62 | 168A | Darwin | Australia | 12-28S | 130-51E | 1984-2012 | 98 |
| 63 | 069A | Alotau | Papua New Guinea | 10-10S | 150-27E | 1984-1995 | 62 |
| 65 | 010A | Rabaul | Papua New Guinea | 04-12S | 152-11E | 1966-1997 | 85 |
| 66 | 009A | Honiara-A | Solomon Islands | 09-26S | 159-57E | 1974-1995 | 98 |
| 66 | 009B | Honiara-B | Solomon Islands | 09-25S | 159-57E | 1994-2012 | 98 |
| 68 | 133A | Ambon-A | Indonesia | 03-41S | 128-11E | 1992-2004 | 46 |
| 68 | 133B | Ambon-B | Indonesia | 03-38S | 128-12E | 2008-2012 | 43 |
| 69 | 033A | Bitung | Indonesia | 01-26N | 125-12E | 1986-2012 | 40 |
| 70 | 373A | Jolo | Philippines | 06-04N | 121-00E | 1984-1995 | 86 |
| 71 | 372A | Davao-A | Philippines | 07-05N | 125-38E | 1984-1997 | 92 |
| 71 | 372B | Davao-B | Philippines | 07-05N | 125-38E | 1998-2012 | 57 |
| 72 | 371A | Legaspi | Philippines | 13-09N | 123-45E | 1984-2012 | 86 |
| 73 | 370A | Manila-A | Philippines | 14-35N | 120-58E | 1984-2012 | 91 |

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| 73 | 370B | Manila-B | Philippines | 14-35N | 120-58E | 2006-2012 | 99 |
| 74 | 595A | Nome, AK | USA | 64-30N | 165-26W | 1992-2012 | 83 |
| 75 | 381A | Qui Nhon-A | Vietnam | 13-46N | 109-15E | 1994-2005 | 58 |
| 75 | 381B | Qui Nhon-B | Vietnam | 13-47N | 109-15E | 2007-2012 | 81 |
| 76 | 184A | Port Elizabeth | South Africa | 33-58S | 025-38E | 1973-2011 | 71 |
| 77 | 329A | Hong Kong-A | China | 22-18N | 114-12E | 1962-1985 | 97 |
| 77 | 329B | Hong Kong-B | China | 22-18N | 114-13E | 1986-2012 | 99 |
| 78 | 635A | Zhapo-A | China | 21-35N | 111-50E | 1975-1997 | 100 |
| 79 | 630A | Dalian-A | China | 38-56N | 121-40E | 1975-1990 | 98 |
| 79 | 631A | Laohutan-A | China | 38-52N | 121-41E | 1991-1997 | 100 |
| 81 | 355A | Naha | Japan | 26-13N | 127-40E | 1966-2012 | 100 |
| 82 | 354A | Aburatsu | Japan | 31-35N | 131-25E | 1961-2012 | 100 |
| 83 | 362A | Nagasaki | Japan | 32-44N | 129-52E | 1985-2012 | 100 |
| 85 | 353A | Kushimoto | Japan | 33-29N | 135-46E | 1961-2012 | 98 |
| 86 | 352A | Mera | Japan | 34-55N | 139-49E | 1965-2012 | 95 |
| 87 | 351A | Ofunato | Japan | 39-01N | 141-45E | 1965-2012 | 98 |
| 88 | 364A | Hakodate | Japan | 41-47N | 140-43E | 1964-2012 | 94 |
| 89 | 350A | Kushiro | Japan | 42-58N | 144-22E | 1963-2012 | 97 |
| 94 | 632A | Kanmen-A | China | 28-05N | 121-17E | 1975-1997 | 100 |
| 95 | 127A | Syowa | Japan | 69-00S | 039-36E | 1987-2010 | 95 |
| 96 | 155A | Dzaoudzi | Mayotte | 12-47S | 045-16E | 1985-2012 | 36 |
| 100 | 574A | Sand Point,AK | USA | 55-20N | 160-30W | 1973-2012 | 97 |
| 101 | 071A | Wellington | New Zealand | 41-17S | 174-47E | 1944-2010 | 97 |
| 102 | 041A | Dutch Harbor-A,A | K USA | 53-53N | 166-32W | 1950-1955 | 100 |
| 102 | 041B | Dutch Harbor-B,A | K USA | 53-53N | 166-32W | 1982-2012 | 97 |
| 103 | 047A | Chichijima | Japan | 27-06N | 142-11E | 1975-2012 | 100 |
| 104 | 049A | Minamitorishima | Japan | 24-18N | 153-58E | 1997-2012 | 94 |
| 105 | 051A | Wake | USA Trust | 19-17N | 166-37E | 1950-2012 | 93 |
| 106 | 050A | Midway | USA Trust | 28-13N | 177-22W | 1947-2012 | 94 |
| 107 | 014A | French Frigate-A | USA | 23-52N | 166-17W | 1974-2007 | 95 |
| 107 | 014B | French Frigate-B | USA | 23-52N | 166-17W | 2007-2012 | 80 |
| 108 | 057A | Honolulu-A | USA | 21-18N | 157-52W | 1877-1892 | 32 |
| 108 | 057B | Honolulu-B | USA | 21-18N | 157-52W | 1905-2012 | 98 |
| 109 | 052A | Johnston | USA Trust | 16-44N | 169-32W | 1947-2012 | 91 |
| 111 | 055A | Kwajalein | Rep. Marshall I. | 08-44N | 167-44E | 1946-2012 | 98 |
| 112 | 005A | Majuro-A | Rep. Marshall I. | 07-06N | 171-22E | 1968-1999 | 92 |
| 112 | 005B | Majuro-B | Rep. Marshall I. | 07-07N | 171-22E | 1993-2012 | 98 |
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| 113 | 002B | Tarawa-B,Bairiki | Rep. of Kiribati | 01-20N | 173-01E | 1983-1988 | 98 |
| 113 | 002C | Tarawa-C,Betio | Rep. of Kiribati | 01-22N | 172-56E | 1988-1997 | 100 |
| 113 | 002D | Tarawa-D,Betio | Rep. of Kiribati | 01-22N | 172-56E | 1992-2012 | 93 |
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| 115 | 001B | Pohnpei-B | Fd St Micronesia | 06-59N | 158-15E | 1974-2004 | 98 |
| 115 | 001C | Pohnpei-C | Fd St Micronesia | 06-59N | 158-12E | 2001-2012 | 97 |
| 116 | 054A | Truk | Fd St Micronesia | 07-27N | 151-51E | 1963-1991 | 89 |
| 117 | 029A | Kapingamarangi | Fd St Micronesia | 01-06N | 154-47E | 1978-2009 | 94 |
| 118 | 028A | Saipan-A | N. Mariana Is. | 15-13N | 145-44E | 1938-1940 | 97 |
| 118 | 028B | Saipan-B | N. Mariana Is. | 15-14N | 145-45E | 1978-2012 | 87 |
| 119 | 008A | Yap-A | Fd St Micronesia | 09-31N | 138-08E | 1951-1952 | 100 |
| 119 | 008B | Yap-B | Fd St Micronesia | 09-31N | 138-08E | 1969-2012 | 90 |
| 120 | 007A | Malakal-A | Rep. of Belau | 07-20N | 134-29E | 1926-1939 | 92 |
| 120 | 007B | Malakal-B | Rep. of Belau | 07-20N | 134-28E | 1969-2012 | 96 |
| 121 | 025A | Funafuti-A | Tuvalu | 08-32S | 179-12E | 1977-1999 | 97 |
| 121 | 025B | Funafuti-B | Tuvalu | 08-30S | 179-13E | 1993-2012 | 97 |
| 122 | 018A | Suva-A | Fiji | 18-08S | 178-26E | 1972-1997 | 91 |
| 122 | 018B | Suva-B | Fiji | 18-08S | 178-26E | 1998-2012 | 99 |
| 123 | 019A | Noumea-A | France | 22-18S | 166-26E | 1967-2003 | 99 |
| 123 | 019B | Noumea-B | France | 22-15S | 166-25E | 2005-2012 | 99 |
| 124 | 062A | Norfolk Island-A | Australia | 29-04S | 167-57E | 1985-1986 | 98 |
| 124 | 062B | Norfolk Island-B | Australia | 29-04S | 167-56E | 1994-1999 | 100 |
| 125 | 038A | Nuku'alofa | Tonga | 21-08S | 175-11W | 1990-2012 | 98 |
| 127 | 070A | Auckland | New Zealand | 36-51S | 174-46E | 1984-1988 | 100 |
| 128 | 079A | Chatham | New Zealand | 43-57S | 176-34W | 2001-2010 | 51 |
| 129 | 072A | Bluff | New Zealand | 46-36S | 168-21E | 1984-2010 | 60 |
| 130 | 680A | Macquerie Is.-A | Australia | 54-29S | 158-58E | 1912-1913 | 97 |
| 130 | 680B | Macquerie Is.-B | Australia | 54-29S | 158-58E | 1968-1972 | 45 |
| 130 | 680C | Macquerie Is.-C | Australia | 54-29S | 158-58E | 1993-2007 | 79 |
| 131 | 189A | Dumont d'Urville | France | 66-40S | 140-01E | 2008-2010 | 93 |
| 134 | 663A | Scott Base | New Zealand | 77-51S | 166-45E | 2001-2006 | 92 |
| 137 | 022A | Easter-A | Chile | 27-09S | 109-27W | 1957-1958 | 97 |
| 137 | 022B | Easter-B | Chile | 27-09S | 109-27W | 1962-1963 | 100 |
| 137 | 022C | Easter-C | Chile | 27-09S | 109-28W | 1970-2012 | 84 |
| 138 | 016A | Rikitea | French Polynesia | 23-08S | 134-57W | 1969-2012 | 93 |
| 139 | 023A | Rarotonga-A | Cook Islands | 21-12S | 159-47W | 1977-1997 | 98 |
| 139 | 023B | Rarotonga-B | Cook Islands | 21-12S | 159-47W | 1993-2012 | 97 |
| 140 | 015A | Papeete-A | French Polynesia | 17-32S | 149-34W | 1969-1975 | 91 |
| 140 | 015B | Papeete-B | French Polynesia | 17-32S | 149-34W | 1975-2012 | 97 |
| 141 | 906A | Moulmein | Myanmar | 16-28N | 097-37E | 2006-2012 | 68 |
| 142 | 031A | Nuku Hiva | French Polynesia | 08-56S | 140-05W | 1982-2012 | 64 |
| 143 | 024A | Penrhyn | Cook Islands | 08-59S | 158-03W | 1977-2012 | 95 |
| 144 | 056A | Pago Pago | USA Trust | 14-17S | 170-41W | 1948-2012 | 96 |
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| 150 | 560C | Seward-C,AK | USA | 60-07N | 149-26W | 1967-2012 | 88 |
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| 156 | 542A | Tofino | Canada | 49-09N | 125-55W | 1963-2012 | 96 |
| 157 | 592A | South Beach,OR | USA | 44-38N | 124-03W | 1967-2012 | 99 |
| 158 | 551A | San Francisco,CA | USA | 37-48N | 122-28W | 1897-2012 | 100 |
| 159 | 554A | La Jolla,CA | USA | 32-52N | 117-15W | 1924-2012 | 94 |
| 160 | 036A | Guadalupe | Mexico | 28-53N | 118-18W | 1977-1985 | 75 |
| 161 | 034A | Cabo San Lucas | Mexico | 22-53N | 109-55W | 1973-2003 | 81 |
| 162 | 090A | Socorro | Mexico | 18-44N | 111-01W | 1957-1959 | 81 |
| 163 | 395A | Manzanillo-A | Mexico | 19-03N | 104-20W | 1953-1982 | 95 |
| 163 | 395B | Manzanillo-B | Mexico | 19-04N | 104-18W | 1992-2012 | 86 |
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| 165 | 391A | Clipperton-A | France | 10-17N | 109-13W | 1985-1985 | 47 |
| 165 | 391B | Clipperton-B | France | 10-17N | 109-13W | 1986-1988 | 100 |
| 167 | 087A | Quepos-A | Costa Rica | 09-24N | 084-10W | 1961-1994 | 83 |
| 167 | 087B | Quepos-B | Costa Rica | 09-26N | 084-10W | 2009-2012 | 87 |
| 168 | 302A | Balboa | Panama | 08-58N | 079-34W | 1907-2012 | 98 |
| 169 | 003A | Baltra-A | Ecuador | 00-26S | 090-17W | 1968-1977 | 93 |
| 169 | 003B | Baltra-B | Ecuador | 00-26S | 090-17W | 1985-2012 | 87 |
| 170 | 085A | Buenaventura | Colombia | 03-53N | 077-04W | 1953-2011 | 92 |
| 171 | 303A | Tumaco | Colombia | 01-49N | 078-44W | 1951-2012 | 86 |
| 172 | 091A | La Libertad | Ecuador | 02-12S | 080-55W | 1949-2012 | 97 |
| 173 | 093A | Callao-A | Peru | 12-03S | 077-09W | 1950-1965 | 98 |
| 173 | 093B | Callao-B | Peru | 12-04S | 077-10W | 1970-2012 | 97 |
| 174 | 080A | Antofagasta | Chile | 23-39S | 070-24W | 1945-2012 | 93 |
| 175 | 081A | Valparaiso | Chile | 33-02S | 071-38W | 1944-2012 | 86 |
| 176 | 021A | Juan Fernandez-A | Chile | 33-37S | 078-50W | 1977-1984 | 67 |
| 176 | 021B | Juan Fernandez-B | Chile | 33-38S | 078-50W | 1985-2012 | 86 |
| 177 | 035A | San Felix | Chile | 26-18S | 080-07W | 1987-2012 | 83 |
| 178 | 684A | Puerto Montt | Chile | 41-29S | 072-58W | 1980-2012 | 95 |
| 181 | 600A | Ushuaia | Argentina | 54-48S | 068-18W | 1996-2010 | 61 |

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| 182 | 082A | Acajutla-A | El Salvador | 13-35N | 089-50W | 1962-2001 | 96 |
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| 185 | 601A | Esperanza | Argentina | 63-24S | 056-60W | 1996-1998 | 86 |
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| 190 | 286A | Puerto Deseado-A | Argentina | 47-45S | 065-55W | 1988-1989 | 87 |
| 190 | 286B | Puerto Deseado-B | Argentina | 47-45S | 065-55W | 2010-2012 | 89 |
| 191 | 731A | Puerto Madryn | Argentina | 38-46S | 065-02W | 2010-2012 | 100 |
| 192 | 729A | Mar Del Plata-A | Argentina | 38-03 | 057-33W | 2004-2009 | 98 |
| 192 | 729B | Mar Del Plata-B | Argentina | 38-02S | 057-32W | 2010-2012 | 99 |
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| 194 | 281A | Cananeia | Brazil | 25-01S | 047-56W | 1954-2006 | 99 |
| 195 | 280A | Rio de Janeiro | Brazil | 22-54S | 043-10W | 1963-2012 | 95 |
| 195 | 709A | R.Janeiro,USCGS | Brazil | 22-56S | 043-08W | 1955-1968 | 70 |
| 198 | 203A | Fer. de Nor.-A | Brazil | 03-50S | 032-24W | 1982-1983 | 100 |
| 198 | 203B | Fer. de Nor.-B | Brazil | 03-50S | 032-24W | 1984-1985 | 100 |
| 198 | 203C | Fer. de Nor.-C | Brazil | 03-50S | 032-24W | 1985-1986 | 100 |
| 199 | 201A | St. Peter&Paul R | . Brazil | 00-55N | 029-21W | 1982-1985 | 99 |
| 200 | 715A | Madeira | Brazil | 02-34S | 044-23W | 1988-2003 | 85 |
| 202 | 227A | Cayenne | France | 04-51N | 052-16W | 2006-2007 | 67 |
| 203 | 248A | Port-of-Spain | Trinidad/Tobago | 10-39N | 061-31W | 1984-1992 | 81 |
| 205 | 824A | Marseille | France | 43-17N | 005-21E | 1985-2012 | 51 |
| 206 | 245A | San Juan | USA | 18-28N | 066-07W | 1977-2012 | 95 |
| 207 | 265A | Cartagena-A | Colombia | 10-23N | 075-32W | 1951-1993 | 90 |
| 207 | 265B | Cartagena-B | Colombia | 10-23N | 075-32W | 1993-2011 | 63 |
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| 213 | 721A | Progreso-A, Yuc. | Mexico | 21-17N | 089-40W | 1980-1984 | 98 |
| 213 | 721B | Progreso-B, Yuc. | Mexico | 21-17N | 089-40W | 1999-2004 | 63 |
| 215 | 239A | Siboney | Cuba | 23-06N | 082-28W | 1990-1990 | 99 |
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| 217 | 775A | Galveston,Pier21 | USA | 29-19N | 094-48W | 1904-2012 | 96 |
| 219 | 260A | Duck Pier,NC | USA | 36-11N | 075-45W | 1978-2012 | 99 |
| 220 | 264A | Atlantic City,NJ | USA | 39-21N | 074-25W | 1911-2012 | 95 |
| 221 | 259A | Bermuda-A | United Kingdom | 32-22N | 064-42W | 1932-1949 | 78 |
| 221 | 259B | Bermuda-B | United Kingdom | 32-22N | 064-42W | 1985-2012 | 83 |

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| 222 | 275A | Halifax | Canada | 44-40N | 063-35W | 1920-2011 | 98 |
| 223 | 276A | St. John's-A | Canada | 47-34N | 052-42W | 1961-1993 | 96 |
| 223 | 276B | St. John's-B | Canada | 47-34N | 052-42W | 1993-2011 | 96 |
| 224 | 833A | Nain | Canada | 56-33N | 061-41W | 2001-2011 | 79 |
| 228 | 297A | Ammassalik | Denmark | 65-36N | 037-00W | 1990-1998 | 78 |
| 229 | 288A | Reykjavik | Iceland | 64-09N | 021-56W | 1984-1999 | 94 |
| 233 | 819A | Goteborg-Torsh. | Sweden | 57-41N | 011-47E | 1967-2012 | 100 |
| 234 | 803A | Rorvik | Norway | 64-52N | 11-15E | 1969-2003 | 96 |
| 236 | 293A | Lerwick | United Kingdom | 60-09N | 001-08W | 1959-2010 | 95 |
| 238 | 295A | Stornoway | United Kingdom | 58-13N | 006-23W | 1976-2010 | 83 |
| 239 | 834A | Malin Head | Ireland | 55-22N | 007-20W | 1958-2001 | 95 |
| 241 | 294A | Newlyn | United Kingdom | 50-06N | 005-33W | 1915-2010 | 98 |
| 242 | 822A | Brest | France | 48-23N | 004-30W | 1846-2012 | 91 |
| 243 | 830A | La Coruna | Spain | 43-22N | 008-24W | 1943-2012 | 97 |
| 244 | 210A | Flores,Santa Cru | z Portugal | 39-27N | 031-07W | 1976-2009 | 58 |
| 244 | 213A | Flores,Lajes | Portugal | 39-23N | 031-10W | 2006-2012 | 100 |
| 245 | 211A | Ponta Delgada | Portugal | 37-44N | 025-40W | 1978-2012 | 71 |
| 246 | 209A | Cascais | Portugal | 38-42N | 009-25W | 1959-2005 | 88 |
| 247 | 376A | Xiamen | China | 24-27N | 118-04E | 1954-1997 | 100 |
| 248 | 289A | Gibraltar | United Kingdom | 36-09N | 005-22W | 1961-2000 | 69 |
| 249 | 207A | Ceuta | Spain | 35-54N | 005-19W | 1944-2010 | 96 |
| 250 | 218B | Funchal-B | Portugal | 32-39N | 016-55W | 1976-2012 | 75 |
| 251 | 217A | Las Palmas-A | Spain | 28-06N | 015-24W | 1949-1956 | 95 |
| 251 | 217B | Las Palmas-B | Spain | 28-06N | 015-24W | 1971-1982 | 88 |
| 251 | 217C | Las Palmas-C | Spain | 28-06N | 015-24W | 1983-1991 | 73 |
| 251 | 217D | Las Palmas-D | Spain | 28-08N | 015-25W | 1991-2010 | 97 |
| 253 | 223A | Dakar-A | Senegal | 14-40N | 017-26W | 1982-1983 | 100 |
| 253 | 223B | Dakar-B | Senegal | 14-40N | 017-26W | 1983-1985 | 100 |
| 253 | 223C | Dakar-C | Senegal | 14-40N | 017-26W | 1986-1986 | 44 |
| 253 | 223D | Dakar-D | Senegal | 14-40N | 017-26W | 1986-1989 | 94 |
| 253 | 223E | Dakar-E | Senegal | 14-41N | 017-25W | 1996-2012 | 70 |
| 257 | 230A | Abidjan-Vridi | Ivory Coast | 05-15N | 004-00W | 1982-1988 | 100 |
| 259 | 233A | Lagos-A | Nigeria | 06-25N | 003-27E | 1961-1969 | 63 |
| 259 | 233C | Lagos-C | Nigeria | 06-25N | 003-25E | 1992-1996 | 74 |
| 260 | 225A | Sao Tome | Sao Tome/Principe | 00-01N | 006-31E | 1985-1988 | 58 |
| 261 | 234A | Pointe Noire-A | Congo | 04-48S | 011-51E | 1980-1988 | 77 |
| 261 | 234B | Pointe Noire-B | Congo | 04-47S | 011-50E | 2008-2013 | 95 |
| 262 | 237A | Lobito | Angola | 12-20S | 013-34E | 1971-1975 | 88 |
| 263 | 291A | Ascension | United Kingdom | 07-55S | 014-25W | 1993-2009 | 64 |
| 264 | 292A | St. Helena | United Kingdom | 15-55S | 005-43W | 1993-2006 | 75 |
| 265 | 204A | Trindade | Brazil | 20-30S | 029-19W | 1983-1983 | 16 |
| 267 | 316A | Acapulco-A,Gro. | Mexico | 16-50N | 099-55W | 1952-1995 | 91 |

| | | | | | | | |
|-----|------|------------------|------------------|--------|---------|-----------|-----|
| 267 | 316B | Acapulco-B,Gro. | Mexico | 16-50N | 099-55W | 1999-2005 | 88 |
| 267 | 316C | Acapulco-C,Gro. | Mexico | 16-51N | 099-51W | 2007-2011 | 100 |
| 268 | 221A | Simon's Town | South Africa | 34-11S | 018-26E | 1959-2011 | 80 |
| 276 | 244A | Gibara | Cuba | 21-07N | 076-07W | 1985-1992 | 100 |
| 277 | 173A | Davis | Australia | 68-27S | 077-58E | 1993-2010 | 94 |
| 278 | 130A | Casey | Australia | 66-17S | 110-32E | 1996-2008 | 82 |
| 283 | 633A | Lusi-A | China | 32-08N | 121-37E | 1975-1996 | 98 |
| 284 | 825A | Cuxhaven | Germany | 53-52N | 008-43E | 1917-1987 | 100 |
| 287 | 060A | Hilo | USA | 19-44N | 155-04W | 1927-2012 | 83 |
| 288 | 762A | Pensacola,FL | USA | 30-24N | 087-13W | 1923-2012 | 96 |
| 289 | 752A | Fort Pulaski,GA | USA | 32-02N | 080-54W | 1935-2012 | 95 |
| 290 | 253A | Newport,RI | USA | 41-30N | 071-20W | 1930-2012 | 96 |
| 291 | 162A | Cilacap-A | Indonesia | 07-45S | 109-01E | 1984-2004 | 40 |
| 291 | 162B | Cilacap-B | Indonesia | 07-45S | 109-01E | 2007-2012 | 99 |
| 292 | 160A | Surabaya | Indonesia | 07-13S | 112-44E | 1984-2004 | 81 |
| 293 | 320A | Cendering | Malaysia | 05-16N | 103-11E | 1984-2011 | 98 |
| 297 | 151A | Zanzibar | Tanzania | 06-09S | 039-11E | 1984-2012 | 96 |
| 302 | 040A | Adak,Alaska | USA | 51-52N | 176-38W | 1950-2012 | 92 |
| 305 | 290A | Port Stanley-A | United Kingdom | 52-42S | 057-52W | 1964-1974 | 47 |
| 305 | 290B | Port Stanley-B | United Kingdom | 51-45S | 057-56W | 1992-2009 | 91 |
| 308 | 128A | Thevenard | Australia | 32-09S | 133-38E | 1992-2012 | 100 |
| 309 | 626A | Providenya-A | Russia | 64-24N | 173-12W | 1977-1985 | 100 |
| 309 | 626B | Providenya-B | Russia | 64-24N | 173-12W | 1986-1989 | 100 |
| 314 | 220A | Walvis Bay | Namibia | 22-57S | 014-30E | 1959-2012 | 44 |
| 321 | 804A | Tregde | Norway | 58-00N | 007-34E | 1927-2003 | 94 |
| 322 | 800A | Andenes | Norway | 69-19N | 16-09E | 1991-2003 | 99 |
| 323 | 805A | Vardo | Norway | 70-20N | 31-06E | 1947-2003 | 60 |
| 324 | 360A | Wakkanai | Japan | 45-24N | 141-41E | 1967-2012 | 99 |
| 325 | 349A | Toyama | Japan | 36-46N | 137-14E | 1967-2012 | 99 |
| 326 | 348A | Hamada | Japan | 34-54N | 132-04E | 1984-2012 | 96 |
| 327 | 347A | Abashiri | Japan | 44-01N | 144-17E | 1968-2012 | 98 |
| 328 | 247A | La Guaira | Venezuela | 10-37N | 066-56W | 1985-1994 | 97 |
| 329 | 235A | Palmeira,C.Verde | Portugal | 16-45N | 022-59W | 2000-2010 | 87 |
| 331 | 400A | Lombrum | Papua New Guinea | 02-02S | 147-23E | 1994-2012 | 93 |
| 332 | 755A | Virginia Key,FL | USA | 25-44N | 080-10W | 1996-2012 | 99 |
| 334 | 708A | Salvador,USCGS | Brazil | 12-58S | 038-31W | 1955-1964 | 92 |
| 334 | 708B | Salvador-B | Brazil | 12-58S | 038-31W | 2004-2012 | 97 |
| 335 | 231A | Takoradi-A | Ghana | 04-53N | 001-45W | 1983-1986 | 100 |
| 335 | 231B | Takoradi-B | Ghana | 04-53N | 001-45W | 2004-2005 | 100 |
| 335 | 231C | Takoradi-C | Ghana | 04-53N | 001-45W | 2007-2012 | 61 |
| 336 | 283A | Fortaleza-A | Brazil | 03-43S | 038-29W | 1955-1968 | 95 |
| 336 | 283B | Fortaleza-B | Brazil | 03-43S | 038-28W | 1995-1998 | 100 |

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|-----|------|----------------|----------------|--------|---------|-----------|-----|
| 336 | 283C | Fortaleza-C | Brazil | 03-43S | 038-29W | 2008-2012 | 100 |
| 337 | 915A | Chabahar | Iran | 25-18N | 060-36E | 2007-2013 | 98 |
| 338 | 271A | Fort de France | France | 14-36N | 061-04W | 1976-2012 | 27 |
| 339 | 121A | Pt. La Rue | Seychelles | 04-40S | 055-32E | 1993-2012 | 98 |
| 341 | 826A | Stockholm | Sweden | 59-20N | 018-05E | 1889-2012 | 99 |
| 342 | 832A | Rothera | United Kingdom | 67-34S | 068-08W | 2002-2009 | 66 |
| 344 | 299A | Qaqortoq | Denmark | 60-43N | 046-02W | 1991-1998 | 83 |
| 345 | 823A | Ny-Alesund | Norway | 78-56N | 11-57E | 1976-2003 | 89 |
| 347 | 123A | Sabang | Indonesia | 05-53N | 95-19E | 2005-2012 | 78 |
| 348 | 046A | Port Vila-A | Vanuatu | 17-44S | 168-19E | 1977-1982 | 87 |
| 348 | 046B | Port Vila-B | Vanuatu | 17-46S | 168-18E | 1993-2012 | 95 |
| 349 | 807A | Alexandria | Egypt | 31-13N | 029-55E | 2009-2013 | 92 |
| 350 | 816A | Port Sonara | Cameroon | 04-00S | 009-08E | 2008-2011 | 83 |
| 351 | 718A | Imbituba | Brazil | 28-08S | 048-24W | 2001-2007 | 79 |
| 352 | 719A | Macaé | Brazil | 22-14S | 041-28W | 2001-2007 | 86 |

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