

## Sea Level Station List – Mid December 2011

COUNTRY	STATION	MSL*	FAST** Month/Year	GPS***
ARGENTINA	USHUAIA	2006	9/2010	
	MAR DEL PLATA	2010	10/2011	Yes
	PUERTO DESEADO	2010		Yes
	PUERTO MADRYN	2000		
AUSTRALIA	BOOBY IS.	2009	10/2011	
	BRISBANE	2009	10/2011	
	BROOME	2009	10/2011	
	BUNDABERG	2009	10/2011	
	CARNARVON	2009	2005	
	CASEY		2006	Yes
	COCOS IS.(KEELING)	2009	10/2011	Yes
	DARWIN	2009	10/2011	
	DAVIS		2006	Yes
	ESPERANCE	2009	10/2011	Yes
	FREMANTLE	2009	10/2011	
	FORT DENISON	2009	10/2011	
	LORD HOWE IS.	2008	6/2006	
	MACQUARIE IS.		2008	
	MAWSON		2006	Yes
	NORFOLK IS.	2008		
	PORT HEDLAND	2009	2005	
	PORTLAND	2009	10/2011	Yes
	SPRING BAY	2009	10/2011	Yes
	THEVENARD	2009	10/2011	
	TOWNSVILLE	2009	10/2011	Yes
BAHAMAS	SETTLEMENT POINT	2001	10/2011	
BANGLADASH	CHITTAGONG		5/2011	
BELAU	MALAKAL	2009	11/2011	
BELGIUN	ZEEBRUGGE	2009		
	OOSTENDE	2009		
	NIEUWPOORT	2009		
BRAZIL	CANANEIA	2006	2007	Yes
	FORTALEZA	1968	10/2011	Yes
	ILHA FISCAL		4/2011	
	SALVADOR	1968	10/2011	Yes

CANADA	ALERT	2009	6/2009	Yes
	BASQUES		2/2011	
	CHURCHILL	2010	10/2011	Yes
	HALIFAX	2010	10/2011	Yes
	NAIN	2010	10/2011	Yes
	PRINCE RUPERT	2010	10/2011	Yes
	ST. JOHNS, NEWFLND.	2010	10/2011	Yes
	TOFINO	2010	10/2011	Yes
CAPE VERDE	PALMIRIA		6/2011	Yes
CHILE	ANTOFAGASTA	2006	9/2011	Yes
	ARICA	1991	9/2011	Yes
	CALDERA	1991	9/2011	
	JUAN FERNANDEZ IS.	2006	9/2011	
	PASCUA IS (EASTER IS)	2006	9/2011	Yes
	PUERTO MONTT	1970	9/2011	
	SAN FELIX IS.	2006	7/2010	
	VALPARISO	2006	9/2010	Yes
CHINA, P.R.	KANMEN	2010		
	LAOHUTAN (DALIAN)	2010		
	LUSI	2010		
	QUARRY BAY, HONG KONG	2010	10/2011	Yes
	XIAMEN	2004		Yes
	ZHAPO	2010		
CONGO	POINTE NORIE	1979	9/2011	
COOK ISLANDS	PENRHYN	2010	10/2011	Yes
	RAROTONGA	2001	10/2011	
	RAROTONGA (B)	2009		
COSTA RICA	QUEPOS	1994	10/2011	
	LIMON		10/2011	
CUBA	CABO SAN ANTONIO	2009		
	GIBARA	2009		
DJIBOUTI	DJIBOUTI		10/2011	
ECUADOR	BALTRA, GALAPAGOS IS.	2010	10/2011	Yes
	LA LIBERTAD - II	2003	2010	Yes
	SANTA CRUZ, GALAPAGOS	2007	10/2011	
FIJI	LAUTOKA		9/2011	Yes
	SUVA	2009	10/2011	Yes

FRANCE	AJACCIO	2009		
	BREST	2009	10/2011	Yes
	DUMONT D'URVILLE		5/2010	Yes
	DZAOUDZI (MAYOTTE)	2008	10/2011	
	Fort De France, Martinique		10/2009	
	ILES DU SALUT		10/2011	
	KERGUELEN IS.	2000	10/2011	
	MARSEILLE	2009	10/2011	Yes
	NUKU HIVA, MARQUESAS	1997	10/2011	Yes
	NICE	2007		
	PAPEETE, TAHITI	2009	10/2011	Yes
	REUNION, PTE DES GALETS		10/2011	
	RIKITEA, GAMBIER IS.	2003	9/2011	Yes
	TOULON	2009		
	ST. PAUL IS.		2006	
GERMANY	CUXHAVEN	2008	10/2011	Yes
GREENLAND (Denmark)	QAQORPTOQ		9/2011	Yes
	SCORESBYSUND		10/2011	Yes
	THULE		10/2011	Yes
GHANA	TEMA (TOKORADI)	1982	10/2010	Yes
ICELAND	REYKJAVIK	2010	10/2011	Yes
INDIA	COCHIN	2007		Yes
	CHENNAI/MADRAS	2007		
	MAIMAGAO	2007		
	VISHAKHAPATNAM	2007		Yes
	MARMAGAO	2007		
INDONESIA	AMBON		9/2009	
	BENOA		10/2011	
	MANADO (BITUNG)		4/2011	
	CILACAP		10/2011	
	LAMBAR		8/2009	
	MEULABOH		10/2011	
	PADANG (TELU BAYUK)		10/2011	
	PRIGI		10/2011	
	SABANG		10/2011	
	SAUMLAKI		10/2011	
	SIBOLGA		10/2011	
	TANJUNG LESUNG		10/2011	
	TELUKDALAM(TEDA)		10/2011	
IRAN	CHABHAR		10/2011	

IRELAND	CASTLETOWNSEND		3/2011	
	MALIN HEAD	2002	10/2011	Yes
ISRAEL	HADERA	2008	2007	Yes
	TEL AVIV	2009		
ITALY	TRIESTE	2010	10/2011	Yes
JAPAN	ABASHIRI	2010	10/2011	Yes
	ABURATSU	2010	10/2011	Yes
	CHICHIJIMA	2010	10/2011	Yes
	CHOSHI-GYOKO	2010		
	HAKODATE	2010	10/2011	Yes
	HAMADA	2010	10/2011	Yes
	ISHIGAKI	2010	10/2011	
	KUSHIMOTO	2010	10/2011	Yes
	KUSHIRO	2010	10/2011	Yes
	MAISAKA	2010	10/2011	
	MERA	2010	10/2011	Yes
	MINAMI-TORI-SHIMA	2008	10/2011	
	NAGASAKI	2010	10/2011	Yes
	NAHA	2010	10/2011	Yes
	NAKANO SIMA	2010	9/2011	
	NAZA	2010	9/2011	
	NISHINOOMOTE	2010	9/2011	
	OFUNATO	2010	2/2011	Yes
	ONAHAMA	2010		
	SOMA	2010		
	SYOWA	2005	2007	Yes
	TOYAMA	2010	10/2011	Yes
	WAKKANAI	2010	10/2011	Yes
KENYA	LAMU		10/2011	
	MOMBASA	2008	5/2010	
KIRIBATI	BETIO	2009	10/2011	Yes
	CHRISTMAS IS.LINE IS.	2003	10/2011	
	KANTON IS	2007	10/2011	
KOREA, Rep of	PUSAN	2009		
MALAYSIA	CENDERING/KUALA	2010		
	LANGKAWI		10/2011	
	PENKALAN/TLDM/LUMUT	2010		
MALDIVES	GAN	2009	10/2011	
	HANIMAADHOO	2002	10/2011	

	HULHULE	2010	10/2011	
MARSHALL IS.	KWAJALEIN	2010	11/2011	Yes
	MAJURO	2009	10/2011	Yes
MAURITIUS	PORT LOUIS	2008	10/2011	
	RODRIGUES	2007	10/2011	Yes
MAURITANIA	NOUAKCHOTT		10/2011	
MEXICO	ACAPULCO	1985	3/2011	Yes
	CABO SAN LUCAS	2003	10/2011	
	ENSUNADA	1990	10/2009	
	MANZANILLO	2003	10/2011	Yes
	PUERTO ANGEL	1986		
MICRONESIA	KAPINGAMARANGI	2008	3/2009	
	POHNPEI	2009	10/2011	Yes
	YAP	2005	11/2011	
MOZAMBIQUE	INHAMBANE	1995	10/2009	
	PEMBA	2008	11/2010	
MYANMAR	MOULMEIN	1964	8/2010	
	SITTWE(Akyab)	1942	6/2009	
NAMIBIA	WALVIS BAY	2010	10/2011	
NAURU	NAURU, GILBERT IS.	2009	10/2011	
NEW CALEDONIA	NOUMEA	1988	7/2011	Yes
NEW ZEALAND	AUCKLAND-WAITEMATA	2000		
	BLUFF	2010	11/2011	
	CHATHAM IS.	2010	9/2011	Yes
	JACKSON		10/2011	
	NELSON	2010		
	PORT TARANAKI	2010		
	WELLINGTON	2010	11/2011	
N.MARIANA IS	SAIPAN	2009	10/2011	Yes
NORWAY	ANDENES	2009	11/2011	Yes
	HONNINGSVAG	2009	11/2011	Yes
	MALOY	2009	11/2011	
	RORVIK	2009	11/2011	
	TREGDE	2009	11/2011	Yes
	VARDO	2009	11/2011	Yes

OMAN	SALALAH	2008	6/2011	
	MASIRAH		10/2011	
	MUSCAT	1993	10/2011	
PAKISTAN	KARACHI, MANORO IS.	2009	10/2011	
PANAMA	BALBOA	2003	7/2010	
	CRISTOBAL	1980	6/2010	
PAPUA N. GUINEA	LOMBRUM	2009	8/2011	
	MALAKAL-B	2009		
PERU	CALLAO		10/2011	Yes
	LOBOS DE AFUERA		2007	
PHILIPPINES	DAVAO	2008	10/2011	
	JOLO	1996		
	LEGASPI	2009		
	MANILA	2009	10/2011	Yes
	SUBIC BAY		10/2011	
	SURIGAO	2009		
PORTUGAL	CASCAIS	1993	10/2011	Yes
	FLORES, AZORES	1996	10/2009	
	FUNCHAL, MADEIRA	2008	12/2009	Yes
	PONTA DELGADA, AZORES	2007	10/2011	Yes
RUSSIA	BARENTSBURG	2009		
	KALININGRAD	1986		
	MURMANSK	2009		
	NAGAEVO BAY	2009		
	PETROPAVLOVSK	2009		Yes
	PORT TUAPSE, BLACK SEA	2009		
	RUSSKAYA GAVAN	1993		
	TIKSI	2009		
	TUAPSE	2009		
	YUZHNO KURILSK	1994		
SAO TOME	SAO TOME/PRINCIPE		6/2010	Yes
SENEGAL	DAKAR - 2	2009	7/2011	Yes
SEYCHELLES	POINT LA RUE		10/2011	Yes
SINGAPORE	TANJONG PAGAR	2010	10/2011	
SOLOMON IS.	HONIARA	2009	10/2011	Yes

SOUTH AFRICA	CAPE TOWN		2/2010	
	DURBAN	2009	7/2011	
	EAST LONDON	2010	7/2011	
	KNYSNA	2010	7/2011	
	LUDERITZ	2009	7/2011	
	MARION		10/2011	Yes
	MOSSEL BAY	2010	7/2011	
	PORT ELIZABETH	2010	10/2011	
	PORT NOLLOTH	2010	7/2011	
	RICHARD'S BAY		7/2011	Yes
	SALDAHNA BAY		2/2010	
	SIMONSTOWN (BAY)	2010	6/2011	Yes
SPAIN	CEUTA (SP. N. AFRICA)	2009	10/2011	Yes
	LA CORUNA	2009	10/2011	Yes
	LAS PALMAS, CANARY IS.	2009	9/2011	
SRI LANKA	COLOMBO		10/2011	
SWEDEN	GOTEBORG	2010	10/2011	Yes
	SMOGEN	2010	10/2011	Yes
	STOCKHOLM	2010	10/2011	Yes
TANZANIA	ZANZIBAR	2004	10/2011	Yes
THAILAND	KO LAK	2010	8/2010	Yes
	KO TAPHAO NOI	2010	10/2011	
	KO MIANG		2002	
TONGA	NUKU'ALOFA	2009	10/2011	Yes
TUVALU	FUNAFUTI, ELLICE IS.	2001	10/2011	Yes
UNITED KINGDOM	ASCENSION	2008	10/2011	Yes
	BERMUDA, ST.GEORGES IS.	2009	10/2011	Yes
	DIEGO-GARCIA IS.	2000	10/2011	Yes
	FARADAY		10/2011	
	GIBRALTAR	2008	10/2011	Yes
	LERWICK	2009	10/2011	Yes
	NEWLYN	2009	10/2011	Yes
	STANLEY-FALKLANDS	2008	10/2011	
	STORNOWAY	2009	1/2011	Yes
	ST. MARY'S	2009		
UNITED STATES	ADAK, ALEUTIAN IS.	2010	10/2011	
	ATLANTIC CITY	2010	10/2011	
	BARBAR S POINT		10/2011	

	CHARLESTON, S.C.		10/2011	Yes
	CRESCENT CITY		10/2011	
	DUTCH HARBOR, ALASKA	1955	10/2011	
	DUCK, N.C.	2010	10/2011	Yes
	FORT PULASKI, GA.	2010	10/2011	
	FRENCH FRIGATE SHOALS	2010	10/2011	
	GALVESTON (PIER 21)	2010	10/2011	
	GALVESTON P (PIER)	2010	6/2011	Yes
	GUAM	2010	10/2011	Yes
	HILO, HAWAII, HAW.IS.	2010	10/2011	Yes
	HONOLULU	2010	11/2011	Yes
	JOHNSTON IS	2003	10/2011	
	KAHULUI, HAWAII	2010	11/2011	
	KAUMALAPAU		10/2011	
	KETCHIKAN	2010	10/2011	
	KEY WEST	2010	10/2011	Yes
	KODIAK, ALASKA		10/2011	Yes
	LA JOLLA, SAN DIEGO	2010	10/2011	Yes
	MIDWAY IS.	2010	10/2011	
	NAWILIWILI, HAWAII	2010	11/2011	
	NEAH BAY	2010	10/2011	Yes
	NEWPORT, RI.	2010	10/2011	Yes
	NOME	2010	10/2011	Yes
	PAGO PAGO	2010	11/2011	
	PENSACOLA, FLORIDA	2010	10/2011	Yes
	PRUDHOE BAY, ALASKA	2010	10/2011	Yes
	SAN DIEGO	2010	10/2011	
	SAN FRANCISCO	2010	10/2011	
	SAND POINT, ALASKA	2010	10/2011	Yes
	SAN JUAN, PUERTO RICO	2010	10/2011	
	SEWARD, ALASKA	2010	10/2011	
	SITKA, ALASKA	2009	10/2011	
	SOUTH BEACH, OREGON	2010	10/2011	
	UNALASKA, ALEUTIAN IS.	2010		Yes
	VIRGINIA KEY	2010	10/2011	
	WAKE IS. MARSHALL IS.	2010	10/2011	
	YAKUTAT BAY	2010	10/2011	
VANUATU	PORT VILA	2009	10/2011	Yes
VIETNAM	QUINHON	2006	10/2011	
	VUNG TAU	2001	10/2011	
YEMEN	ADEN	2009	10/2011	

Full lists of GLOSS\* and FAST\*\* delivery data can be seen at <http://www.psmis.org/data/obtaining/> and <http://ilikai.soest.hawaii.edu/uhsic/woce.html>

\*\* FAST delivery data posted at Hawaii as of 15 December 2011

\*\*\* Go to <http://www.sonel.org/spip.php?page=cgps> for full list of present GPS stations

See also <http://www.ioc-sealevelmonitoring.org/index.php>