Active Global Space Geodetic Site Information Summary

SITE	COUNTRY	LAT.	LON.	EL.	HOST/MANAGING ORGANIZATION	SLR	VLBI	GPS	GLON	DORIS	PRARE	GRAV	SEIS	MET	TIME	TIDE	OTHER
Aguascalientes	Mexico	N 21.86	W 102.28	1,888	Instituto Nacional de Estadistica Geografia e Informatica (INEGI)			F,I									
Aira	Japan	N 31.82	E 130.60		Geographical Survey Institute (GSI)		F	F				F	F				Magnetometer
Albert Head	Canada	N 48.38	W 123.48	33	Geological Survey of Canada (GSC), Natural Resources of Canada (NRCan)			F,I				T		C	C		
Algonquin	Canada	N 45.95	W 78.07	202	Institute for Space and Terrestrial Science (ISTS), Geodetic Survey, Geomatics Canada, Natural Resources of Canada (NRCan)	T	F	F,I				T		C	M		
Alice Springs	Australia	S 23.67	E 133.89	603	Australian Survey and Land Information Group (AUSLIG)			F,I									
Almaty	Kazakstan	N 43.18	E 77.02	1,340	Russian Academy of Science (RAS), University NAVSTAR Consortium (UNAVCO)			F,I									
Amman	Jordan	N 32.03	E 35.88	1,056	Royal Jordanian Geographic Center, Scripps Institution of Oceanography (SIO)			F,I									
Amsterdam Island	France	S 37.80	E 77.57	62	Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)					F							
Ankara	Turkey	N 32.83	E 39.92	975	General Command of Mapping, Geodesy Department (Turkey), Institute for Applied Geodesy (IfAG)	T		F,I									
Annapolis, MD (USNA)	USA	N 38.58	W 76.29	-26	National Oceanic and Atmospheric Administration (NOAA)			F,I									
AOA, Westlake, CA	USA	N 34.16	W 118.83	247	Allen Osbourne Associates (AOA), NASA/JPL			F,I									
Arequipa	Peru	S 16.47	W 71.63	2,489	Universidad Nacional de San Agustin (UNSA) under contract to NASA/GSFC	F		F,I		F		T	F	O	C		Airglow Exp.
Arlit	Niger	N 18.78	E 07.37		Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)					F							
Arti	Russia	N 56.43	E 58.56	248	Regional GPS Data Acquisition and Analysis Center on Northern Eurasia, Russia (RDAAC), Incorporated Research Institutions for Seismology (IRIS)			F,I									
Ascension Island	United Kingdom	S 07.57	W 14.22	105	NASA/JPL, International Deployment of Accelerometers (IDA), Proudman Oceanographic Laboratory (POL), Cable and Wireless (CW)			F,I		F	F						
Auckland	New Zealand	S 35.43	E 174.19	132	Institute of Geological and Nuclear Sciences (IGNS), Department of Survey and Land Information (DOSLI), NASA/JPL			F,I						C			
Azusa, CA	USA	N 34.13	W 117.90	145	NASA/JPL			F,I									
Badari	Russia	N 51.77	E 102.23	812	Institue of Applied Astronomy, St. Petersburg, Russia (IAA)	(F)	(F)	(F)		F							Syrius-A
Bakosurtanal	Indonesia	S 6.49	E 106.85	158	National Coordination Agency for Surveys and Mapping			F,I									
Balkash	Kazakhstan	N 46.80	E 75.00		Kazakhstan Space Agency, Russian Space Agency (RSA)	F								O			
Bandung	Indonesia	S 07.00	E 107.22		Delft University of Technology (DUT)			(F,I)									
Bangalore	India	N 12.98	E 77.67	800	Indian Space Research Organization (ISRO), Indian Institute of Science (IISC), GeoforschungsZentrum Potsdam (GFZ), ISRO Telemetry, Tracking and Command Network (ISTRAC)			F,I			F						
Bar Giyyora	Israel	N 31.72	E 35.08	752	Israeli Space Agency (ISA), Institute for Petroleum Research and Geophysics (IPRG)	[F]		(F,I)									Magnetometer
Bar Harbor, ME	USA	N 44.39	W 68.22	7	National Oceanic and Atmospheric Administration (NOAA)			F,I									
Beijing	China	N 39.92	E 116.38		National Bureau of Surveying and Mapping (NBSM)	F,T		F,I						C			Magnetometer
Bermuda	United Kingdom	N 32.35	W 64.65	-11	National Oceanic and Atmospheric Administration (NOAA)	[T]		F,I									
Bidston	United Kingdom	N 53.40	E 03.07		Proudman Oceanographic Laboratory (POL)						T					F	
Bili	Russia	N 68.08	E 166.44	456	Regional GPS Data Acquisition and Analysis Center on Northern Eurasia, Russia (RDAAC), Incorporated Research Institutions for Seismology (IRIS)			F,I									
Bishkek	Kyrghyzstan	N 42.68	E 74.69	1,725	University NAVSTAR Consortium (UNAVCO), Massachusetts Institute of Technology (MIT)			F,I									
Blythe, CA	USA	N 33.61	W 114.72	87	Scripps Institution of Oceanography (SI), County of Riverside			F,I									
Bogor	Indonesia	N 06.34	E 106.35		LAPAN, GeoforschungsZentrum Potsdam (GFZ)						F						
Bogotá	Colombia	N 04.64	W 74.08	2,577	INGM, NASA/JPL			F,I									
Bolzano	Italy	N 46.50	E 11.34	329	Ufficio Geodetico di Balzano			F,I									
Boras	Sweden	N 57.72	E 12.89	220	Onsala Space Observatory			F,I	F								
Boroweic	Poland	N 52.28	E 17.08	124	Polish Academy of Science	F		F,I	F					O	C		
Brasília	Brazil	S 15.94	W 47.88	1,106	Instituto Brasileiro de Geografia de Estatistica (IGBE), NASA/JPL			F,I									
Braunschweig	Germany	N 52.38	E 13.07	174	GeoforschungsZentrum (GFZ)			F,I									
Brewster, WA	USA	N 48.13	W 119.68	252	National Radio Astronomy Observatory (NRAO)		F, A	(F,I)						O	M		
Bridgetown	Barbados	N 13.09	W 59.61	-86	National Oceanic and Atmospheric Administration (NOAA)			F,I									
Brisbane	Australia	S 27.48	E 153.04	92	Department of Natural Resources, Queensland				F								
Brussels	Belgium	N 50.30	E 04.21	150	Royal Observatory of Belgium (ROB)			F,I	F					O	M		
Bucurest	Romania	N 44.46	E 26.13	143	Bundesamt für Kartographie und Geodäsie (BKG)			F,I									
Burbank, CA	USA	N 34.18	W 118.23	221	Scripps Institution of Oceanography (SIO), U.S. Geological Survey (USGS)			F,I									

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SITE	COUNTRY	LAT.	LON.	EL.	HOST/MANAGING ORGANIZATION	SLR	VLBI	GPS	GLON	DORIS	PRARE	GRAV	SEIS	MET	TIME	TIDE	OTHER
Cachoeira Paulista	Brazil	S 45.00	W 22.68	571	Instituto Nacional de Pesquisas Espciais (INPE), NASA/JPL, Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)			F,I		F							
Cagliari	Italy (Sardinia)	N 39.20	E 09.10	238	Astronomical Observatory, Cagliari	F		F,I						O			
Casey	Antarctica	S 66.27	E 110.53		Australian Survey and Land Information Group (AUSLIG)			F,I							R		
Catalina Island, CA	USA	N 33.45	W 118.48	4	NASA/JPL			F,I									
Caucete	Argentina	S 31.60	E 291.77	703	Center for Earthquake Research and Information (CERI)			F,I									
Ceduna	Australia	S 31.87	E 133.81	145	Australian Survey and Land Information Group (AUSLIG)			F,I									
Changchun	China	N 43.83	E 125.33		Academia Sinica	F		(F,I)						O			
Chatham Island	New Zealand	S 44.00	W 176.70	58	Institute of Geological and Nuclear Sciences (IGNS), Department of Survey and Land Information (DOSLI), NASA/JPL			F,I		F				C			
Chichijima	Japan	N 27.08	E 142.20		Simosato Hydographic Observatory (SHO), Japanese Hydrographic Deptment (JHD), Geographical Survey Institute (GSI)	T	F	F				T		O	M		
Chilao, CA	USA	N 34.33	W 118.03	1,568	Scripps Institution of Oceanography (SIO), U.S. Geological Survey (USGS)			F,I									
Chilliwack	Canada	N 49.16	E 237.99	170	National Resources of Canada (NRCan), Geological Survey of Canada (GSC)			F,I									
Chumysh	Kazakhstan	N 43.00	E 74.75	690	NASA/JPL			F,I									
Churchill	Canada	N 58.45	W 94.00	-19	National Resources of Canada (NRCan), Geological Survey of Canada (GSC)	T		F,I						O	C		
Cibinong	Indonesia	S 06.48	E 106.85	162	Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)					F							
Claremont, CA	USA	N 34.11	W 117.71	375	U.S. Geological Survey (USGS)			F,I									
Cocos Island	Australia	S 12.20	E 96.83	-35	Australian Survey and Land Information Group (AUSLIG)			F,I									
College, AK	USA	N 64.87	W 147.86		Geophysical Institute, University of Alaska (GIUA)			F,I									
Colombo	Sri Lanka	N 06.90	E 79.87	-77	Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)					F							
Colorado Springs, CO	USA	N 38.80	W 104.52	1,911	Falcon Air Force Base (FAFB), U.S. Naval Observatory (USNO), National Oceanic and Atmospheric Administration (NOAA), National Geodetic Survey (NGS)			F,I						C	M		
Cordoba	Argentina	S 31.71	W 64.47	747	Comision Nacional de Actividades Espaciales (CONAE), NASA/JPL			F,I									
Coyhaique	Chile	S 45.51	E 288.11	476	Pacific GPS Facility (PGF)			F,I									
Dakar	Senegal	N 14.72	W 17.43	45	Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)					F							
Darmstadt	Germany	N 49.85	E 08.67		European Space Agency (ESA)			(F,I)									
Darwin	Australia	S 12.85	E 131.13	125	Australian Survey and Land Information Group (AUSLIG)			F,I	F								
Davis	Antarctica	S 68.57	E 77.97	45	Australian Survey and Land Information Group (AUSLIG)			F,I	F								
Delft	The Netherlands	N 51.59	E 04.23	74	Delft University of Technology (DUT)				F								
Diego Garcia	Diego Garcia	S 07.20	E 72.25	-65	NASA/JPL, International Deployment of Accelerometers (IDA)			F,I									
Dionysos	Greece	N 38.08	E 23.93	514	Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)	T				F							
Diyarbakir	Turkey	N 37.92	E 40.28	500	University NAVSTAR Consortium (UNAVCO)	[T]		F,I									
Djibouti	Djibouti	N 11.53	E 42.85	716	Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)					F							
Dubrovnik	Croatia	N 42.65	E 18.11	454	Bundesamt für Kartographie und Geodäsie (BKG)			F,I									
Dudinka	Russia	N 69.15	E 85.42		GeoforschungsZentrum (GFZ)			(F,I)									
Dumont D'urville	Antarctica	S 66.67	E 140.00		Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)					F							
Durmid Hill, CA	USA	N 33.39	W 115.79	-83	Scripps Institution of Oceanography (SIO)			F,I									
Easter Island	Chile	S 27.15	E 109.38	115	Universidad de Chile, under contract to NASA/GSFC	[F]		F,I		F			F	O			
East Port, ME	USA	N 44.91	W 66.99	31	National Oceanic and Atmospheric Administration (NOAA)			F,I									
Effelsberg	Germany	N 50.52	E 06.88		Max-Planck Institute for Radio Astronomy		F							O	M		
Ensenada	Mexico	N 31.25	W 116.15	88	Centro de Investigación Científica y de Educación Superior de Ensenada (CICESE), NASA/JPL	T		F,I									
Esteli	Nicaragua	N 13.10	W 86.36	957	Instituto Nicaraguense de Estudios Territoriales, National Oceanic and Atmospheric Administration (NOAA) Geociences Laboratory			F,I		F							
Everest	Nepal	N 27.95	E 86.82		Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)					F							
Evpatoria	Ukraine	N 45.12	E 33.20		Ukrainian Space Agency, Russian Space Agency	F								O			
Fairbanks, AK	USA	N 64.97	W 147.48	319	National Oceanic and Atmospheric Administration (NOAA), National Environmental Satellite Data Information System (NESDIS), NASA/GSFC, Center for Space Research (CSR), National Oceanic and Atmospheric Administration (NOAA)		F	F,I		F	F	F	F	C	M		Ionosonde, S/C Cmd., Tlm.
Faleolo	Samoa	S 13.83	E 188.00	48	Pacific GPS Facility (PGF)			F,I									

SITE	COUNTRY	LAT.	LON.	EL.	HOST/MANAGING ORGANIZATION	SLR	VLBI	GPS	GLON	DORIS	PRARE	GRAV	SEIS	MET	TIME	TIDE	OTHER
Flin Flon	Canada	N 54.73	W 101.98	320	National Resources of Canada (NRCan), Geological Survey of Canada (GSC)			F,I									
Flores, Azores	Portugal	N 39.45	W 31.13	80	Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)					[F]							
Fort Davis, TX	USA	N 30.38	W 103.56	2,004	National Radio Astronomy Observatory		F,A	(F)						O	M		
Fortaleza	Brazil	S 03.75	W 38.58	20	Instituto Nacional de Pesquisas Espciais (INPE), National Oceanic and Atmospheric Administration (NOAA), National Geodetic Survey (NGS)		F	F,I				T		O	M		
Franceville	Gabon	S 01.63	E 13.55	387	NASA/JPL			F,I									
Fredericton	Canada	N 45.57	E 293.62	23	Universit of New Brunswick (UNB)			F,I									
Freeport	The Bahamas	N 26.70	E 281.01	-26	Pacific GPS Facility (PGF)			F,I									
Friedrichshagen	Germany	N 52.27	E 13.39		GeoforschungsZentrum (GFZ)						F						
Gainesville, FL	USA	N 29.65	W 82.35	16	University of Florida				F								
Galapagos Island	Ecuador	N 00.90	W 89.62	7	NASA/JPL			F,I		F							
Gebze	Turkey	N 40.79	E 29.45	29	Tubitak Marmara Research Center			F,I									
Genova	Italy	N 44.42	E 08.92	137	Italian Space Agency (ASI)			F,I									
Gjovik	Norway	N 60.47	E 10.41		University College of Gjovik				F								
Goldstone/ Mojave, CA	USA	N 35.25	W 116.78	987	NASA/JPL Deep Space Network	T	F	F,I		F		T		O	M		S/C Cmd., Tlm.
Gough Island	United Kingdom	S 40.35	W 09.87	81	Alfred Wegener Institute for Polar and Marine Research (AWI)			F,I									
Grasse	France	N 43.75	E 06.92	1,320	Centre d'Etudes et de Recherches Geodynamiques et Astronomiques (CERGA), Centre National d' Etudes (CNES)	F	T	F,I	F			F	F	O	C		LLR, Magnetometer
Graz	Austria	N 47.07	E 15.48	539	Institut fur Weltraumforschug-Abteilung SatellitenGeodasie, Institute for Space Research (ISR)	F		F,I	F					C	C		
Green Bank, WV	USA	N 38.43	W 79.83	1,596	National Radio Astronomy Observatory (NRAO), under contract to US Naval Observatory		F	(F)						O	M		Radio Astronomy
Greenbelt, MD	USA	N 39.02	W 76.83	15	NASA/GSFC, Delft University of Technology (DUT)	F	F	F,I	F	F	F	T		O	M		Solar Obs., Optiucal Obs., LIDAR, LLR, LIDAR
Guam Island	USA	N 13.47	E 144.75	202	U.S. Department of the Interior (USDI), NASA/JPL			F,I		F							
Guatemala City	Guatemala	N 14.59	W 90.52	1,552	Instituto Geografico Nacional, National Oceanic and Atmospheric Administration (NOAA) Geociences Laboratory			F,I		F							
Haleakala, HI	USA	N 20.72	W 156.27	3,063	University of Hawaii Under contract to NASA/GSFC	F	T	F,I				T		O	C	F	LLR
Hancock, NH	USA	N 42.93	W 71.98	297	National Radio Astronomy Observatory (NRAO)		F, A	(F,I)						O	M		
Hartebeesthoek/Pretoria	South Africa	S 25.88	E 27.68	1,414	Hartebeesthoek Radio Astronomy Observatory (HartRAO), National Research Facility of the Foundation for Research Development, GeoforschungsZentrum Potsdam (GFZ), Satellite Applications Center (SAC), Centre National d'Etudes Spatiales (CNES)	F,T	F	F,I		F	F			O	M		S/C Cmd. & Tlm., Magnetometer
Harvest Platform, CA	USA	N 34.47	W 120.68	15	NASA/JPL			F,I									
Helwan	Egypt	N 29.87	E 31.35		Academy of Scientific Research and Technology- Helwan, Institute of Astronomy and Geophysics, Technology University of Prague	F								O			Astronomical Obs.
Herstmonceux	Great Britain	N 50.87	E 00.33	77	Royal Greenwich Observatory (RGO)	F		F,I	F					C	C		
Hilo, HI	USA	N 19.72	E 204.95	29	Pacific GPS Facility (PGF)			F,I									
Hobart	Tasmania	S 42.80	E 147.43	41	University of Tasmania, Australian Survey and Land Information Group (AUSLIG), GeoforschungsZentrum Potsdam (GFZ)		F	F,I			(F)			O	M		
Höfn	Iceland	N 64.50	W 15.00	83	Norwegan Mapping Authority (Statens Kartverk)		T	F,I			F						Tide Gauge
Holberg	Canada	N 50.64	W 128.14	560	Natural Resources of Canada (NRCan), Geological Survey of Canada (GSC)			F,I							R		
Hollydale, CA	USA	N 33.92	W 118.17	-6	U.S. Geological Service (USGS)			F,I									
Hollywood, CA	USA	N 34.13	W 118.32	486	U.S. Geological Service (USGS)			F,I									
Honolulu, HI	USA	N 21.30	E 202.14	22	Pacific GPS Facility (PGF)			F,I									
Horn Point, MD	USA	N 38.33	W 76.04	-27	National Oceanic and Atmospheric Administration (NOAA)			F,I									
Huahine	French Polynesia	S 16.73	W 151.03	47	NASA/GSFC, Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)	[F]				[F]							
Hyderabad	India	N 17.29	E 79.28		University of Bonn, National Geophysical Research Institute (NGRI)			(F,I)									
Innsbruk/Hafelekar	Austria	N 47.31	E 11.39	2,385	Institute for Space Research (ISR)			F,I									
Irkutsk	Russia	N 52.00	E 105.00	503	State Time and Meterology Department	(F)		F,I	[F]						M		
Irvine, CA	USA	N 33.62	W 117.80	116	Scripps Institution of Oceanography (SIO), Orange County			F,I									
Irwindale, CA	USA	N 34.11	W 118.00	75	Scripps Institution of Oceanography (SIO), U.S. Geological Survey (USGS)			F,I									
Ishigaki	Japan	N 24.25	E 125.00	73	Western Pacific Integrated Network of GPS in Japan (WING)	T		(F,I)									
Istanbul	Turkey	N 41.10	E 29.02	147	Bundesamt für Kartographie und Geodäsie (BKG)			F,I									
Jabiru	Australia	S 12.66	E 132.89	82	Australian Survey and Land Information Group (AUSLIG)			F,I									

SITE	COUNTRY	LAT.	LON.	EL.	HOST/MANAGING ORGANIZATION	SLR	VLBI	GPS	GLON	DORIS	PRARE	GRAV	SEIS	MET	TIME	TIDE	OTHER
Jozefoslaw	Poland	N 52.08	E 21.03	143	Warsaw University of Technology (WUT)			F,I									
Kanoya	Japan	N 31.30	E 130.80		Geographical Survey Inst. (GSI)			F				T					
Karratha	Australia	S 20.98	E 117.10	109	Australian Survey and Land Information Group (AUSLIG)			F,I									
Kashima	Japan	N 35.95	E 140.67	80	Geographical Survey Institute (GSI), Kashima Space Research Center, Communications Research Laboratory (CRL)	F	F	F					F	O	M		
Katsively	Ukraine	N 44.26	E 33.59		Ukrainian Academy of Science, Russian Academy of Science	F								O			
Kaygabok	Philippines	N 13.99	E 120.98	45	NASA/JPL			F,I									
Kellyville	Greenland	N 66.99	W 50.94	231	National Oceanic and Atmospheric Administration (NOAA)			F,I									
Kerguélen Island	France	S 49.35	E 70.26	74	Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)			F,I		F			F		R		Geophysical Lab.
Key Biscayne, FL	USA	N 25.730	W 80.16	0	National Oceanic and Atmospheric Administration (NOAA), National Geodetic Survey (NGS)			F,I						C			
Khabarovsk	Russia	N 48.52	E 135.03	160	Institute of Metrology for Time and Space (IMVP)				F								
Khantu		N 42.21	E 74.00		NASA/JPL			F,I									
Kiev	Ukraine	N 50.36	E 30.50	227	Main Astronomical Observatory (MAO)	F		F,I									
Kingston	Jamaica	N 17.94	E 283.22	-3	National Oceanic and Atmospheric Administration (NOAA), National Geodetic Survey (NGS)			F,I									
Kiruna	Sweden	N 67.53	E 20.15	391	European Space Agency (ESA), European Space Operations Center (ESOC)			F,I	F						C		S/C Cmd. & Tlm.
Kitab	Uzbekistan	N 39.13	E 66.88	643	Astronomical Observatory Kitab (AOK), GeoforschungsZentrum Potsdam (GFZ)			F,I		F	F			C			
Kitt Peak, AZ, USA	USA	N 31.97	W 111.62	1,093	National Radio Astronomy Observatory (NRAO)		F, A	(F,I)						O	M		
Kodiak, AK	USA	N 57.73	W 152.50	79	NASA			F,I									
Koganei	Japan	N 34.43	E 139.28		Communications Research Laboratory (CRL)	F	F							O	M		
Kokee Park, HI	USA	N 22.13	W 159.67	1,167	NASA/GSFC, U.S. Naval Observatory (USNO), Center for Space Research (CSR)	T	F	F,I		F	F	T		C	M	F	S/C Cmd., Tlm., PEACESAT
Komsomolsk-na-Amure	Russia	N 51.00	E 137.00		Russian Space Agency (RSA)	F								O			
Kootwijk	Netherlands	N 52.18	E 05.82	98	Delft University of Technology (DUT)	F		F,I						O	R		
Koumac	New Caledonia	S 20.56	E 164.29	84	Pacific GPS Facility (PGF)			F,I									
Kourou	French Guiana	N 05.13	W 52.62	-26	European Space Agency (ESA), European Space Operations Center (ESOC)			F,I		F					C		S/C Cmd. & Tlm., S/C Launch Fac.
Krasnoyarsk	Russia	N 56.10	E 93.35	93	Technnical University of Krasnoyarsk, GeoforschungsZentrum Potsdam (GFZ)			F,I		F							
Kumtorkala	Kyrgyzstan	N 41.86	E 78.19	4,049	NASA/JPL			F,I									
Kunming	China	N 25.17	E 102.83		Chinese Academy of Sciences, NASA/JPL	F		F,I									
Kwajalein	USA	N 09.38	E 167.47	38	US Army Kwajalein Missille Range	T		F,I									
l'Ebre	Spain	N 41.37	E 00.00	108	Institut Cartografic de Catalunya (ICC)			F,I									
La Jolla, CA	USA	N 32.85	W 117.23	8	NASA		T										
La Paz	Bolivia	S 17.00	W 68.5		NASA/JPL			(F,I)									
La Plata	Argentina	S 34.90	W 57.95	254	GeoforschungsZentrum Potsdam (GFZ), La Plata Astronomical Observatory (LPAO)			F,I			F						
La Reunion	Mascarene Isl.	S 21.22	E 55.57	1,562	Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)				F	F							
La Silla	Chile	S 24.27	W 70.73		European Southern Observatory		F							O	M		Optical Tele.
Lac du Bonnet	Canada	N 50.26	W 95.87	251	National Resources of Canada (NRCan), Geological Survey of Canada (GSC)			F,I									
Lae	Papua New Guinea	S 06.67	E 146.99	140	University of Technology, Lae, Papua New Guinea			F,I									
Lake Mathews, CA	USA	N 33.86	W 117.44	398	Scripps Institution of Oceanography (SIO)			F,I									
Lamkowko	Poland	N 53.89	E 20.67	21	Olsztyn University of Agriculture and Technology (OUAT)			F,I							R		
Lhasa	Tibet, China	N 29.41	E 91.12	3,622	Bundesamt für Kartographie und Geodäsie (BKG)	T		F,I	F					C			
Libreville (N'Koltang)	Gabon	N 00.35	E 09.67	34	Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)			F,I	F	F							
Lihue, HI	USA	N 21.98	E 200.66	46	Pacific GPS Facility (PGF)			F,I									
Limón	Costa Rica	N 09.98	W 83.09	15	OVSICORI Universidad Nacional, NASA/JPL			F,I									
Lindfield	Australia	S 33.55	E 151.10	74	CSIRO, Telecommunications and Industrial Physics				F								
Long Beach, CA	USA	N 33.47	W 118.15	-28	NASA/JPL			F,I									
Los Alamos, NM	USA	N 35.78	W 106.25		National Radio Astronomy Observatory (NRAO)		F, A	F						O	M		
Los Angeles, CA (UCLP)	USA	N 34.07	W 118.44	112	NASA/JPL			F,I									
Los Angeles, CA (USC)	USA	N 34.02	W 118.29	22	NASA/JPL			F,I									
Maartsbo	Sweden	N 60.59	E 17.26	75	National Land Survey, SWEOPS Operational Center				F								
Macquarie Island	Australia	S 54.50	E 158.94	-7	Australian Survey and Land Information Group (AUSLIG)			F,I									

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Madrid	Spain	N 40.43	W 04.25	829	Instituto de Astronomia y Geodesia under contract to Deep Space Network (NASA/JPL)		F	F,I						O	M		S/C Cmd. & Tlm.
Magadan	Russia	N 59.58	E 150.77	362	Regional GPS Data Acquisition and Analysis Center on Northern Eurasia, Russia (RDAAC), Incorporated Research Institutions for Seismology (IRIS)			F,I									
Maidanak	Uzbekistan	N 38.68	E 66.93		Uzbekistan Space Agency, Russian Space Agency (RSA)	F								O			
Male	Republic of Maldives	N 04.19	E 73.53	-92	Pacific GPS Facility (PGF)			F,I									
Malindi	Kenya	S 03.23	E 40.13	23	European Space Agency (ESA), European Space Operations Center (ESOC), Italian Space Agency (ASI)			F,I			(F)						
Mammoth Lakes, CA	USA	N 37.63	W 118.63	2,390	NASA/JPL		T	F,I									
Manama	Bahrain	N 26.21	E 50.61	-17	National Imagery and Mapping Agency (NIMA)			F,I						C	C		
Managua	Nicaragua	N 12.15	W 86.25	170	Instituto Nicaraguense de Estudios Territoriales, National Oceanic and Atmospheric Administration (NOAA) Geociences Laboratory			F,I		F							
Manilla	Philippines	N 14.53	E 121.03		Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)			(F,I)		F							
Manzanillo	Mexico	N 19.06	E 255.70	-14	Pacific GPS Facility (PGF)			F,I									
Maracaibo	Venezuela	N 10.44	W 71.22		Deutsches Geodatishes Forshungsinstitut (DGFI), University of Maracaibo (UMAR)			F			F						
Marcus	Japan	N 24.00	E 155.00		Western Pacific Integrated Network of GPS in Japan (WING)	[T]		(F,I)									
Marion Island	South Africa	S 46.88	E 37.85	92	Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)					F							
Maryland Point, MD	USA	N 38.37	W 77.28	-13	Naval Research Laboratory (NRL)		F							O	M		
Maspalomas	Canary Islands	N 27.77	W 15.63	197	Estacion Espacial de Maspalomas, European Space Agency (ESA), European Space Operations Center (ESOC)			F,I							C		
Matera	Italy	N 40.65	E 16.70	536	Italian Space Agency (ASI)	F,T	F	F,I	F		F			C	M		
Mattersburg	Austria	N 47.38	E 16.40	294	University of Technology Vienna, BEWAG				F								
Mauna Kea, HI	USA	N 19.80	W 155.47	3,754	National Radio Astronomy Observatory (NRAO)		F,A	F,I						O	M		
Mawson	Antarctica	S 67.60	E 62.87	59	Australian Survey and Land Information Group (AUSLIG)			F,I									
Mazatlan	Mexico	N 23.35	W 106.45		NASA/GSFC	[F]											
Mbarara	Uganda	S 00.60	E 30.70		Scripps Institution of Oceanography (SIO), NASA/JPL			(F,I)									
McDonald , TX	USA	N 30.40	W 104.02	2,004	University of Texas at Austin Under contract to NASA/GSFC	F	T	F,I				T	F	C	C		LLR
McMurdo	Antarctica	S 77.85	E 166.67	98	NASA/JPL, USGS		(F)	F,I	F								
Medicina	Italy	N 44.52	E 11.65	50	Istituto di Radioastronomia, Consiglo Nazionale delle Ricerche (NRC)	T	F	F,I						O	M		
Mendeleevo	Russia	N 37.23	E 56.03	220	Russian Institute for Time and Frequency Standards	F		F,I						O	M		
Metsahovi	Finland	N 60.22	E 24.40	95	Geodeettinen Laitos	F	T	F,I	F	F		F		O	M		
Metzoki Drago	Israel	N 31.59	E 35.39	120	Tel-Aviv University (TAU), Survey of Israel (SOI), Scripps Institution of Oceanography (SIO)			F,I									
Mitaka	Japan	N 35.68	E 139.56	109	Electronic Navigation Research Institute (ENRI)				F								
Mitzpe Ramon	Israel	N 30.60	E 34.76	893	Tel-Aviv University (TAU), Survey of Israel (SOI), Scripps Institution of Oceanography (SIO)			F,I									
Miura	Japan	N 35.08	E 139.37		Communications Research Laboratory (CRL)	F	F							O	M		
Mizusawa	Japan	N 39.10	E 141.20	132	National Astronomical Observatory-Mizuawa (NAO-M)		F	F						O	M		Magnetometer
Monument Peak, CA	USA	N 32.88	W 116.42	1,843	NASA/GSFC	F	T	F,I				T		O	C		
Mount Stromlo	Australia	S 35.32	E 149.01	800	Australian Survey and Land Information Group (AUSLIG)	F		F,I	F	F							
Mount Wilson, CA	USA	N 34.23	W 118.06	1,705	NASA/JPL	[T]		F,I									
Nanoose Bay	Canada	N 49.29	W 124.09	6	Natural Resources of Canada (NRCan), Geological Survey of Canada (GSC)			F,I							R		
Neumayer	Antarctica	S 70.00	W 08.00		Alfred Wegener Institut (AWI)						F						
Neustrelitz	Germany	N 53.33	E 13.07	117	Deutsches Zentrum fuer Luft- und Raumfahrt-Deutsches Fernerkundungsdatenzentrum (DLR-DFD)				F								
Nicosia-Athalassa	Cyprus	N 35.14	E 33.40	155	Department of Lands and Surveys of Cyprus, Bundesamt für Kartographie und Geodäsie (BKG)			F,I									
Nobeyama	Japan	N 35.93	E 138.47		National Astronomical Observatory-Nobeyama (NAO-N)		F	F						O	M		
Norilsk	Russia	N 69.36	E 88.36	47	Regional GPS Data Acquisition and Analysis Center on Northern Eurasia, Russia (RDAAC), NASA/JPL, Incorporated Research Institutions for Seismology (IRIS)			F,I									
North Liberty, IA	USA	N 41.77	W 91.57	207	National Radio Astronomy Observatory (NRAO)		F,A	F,I						O	M		
Northridge, CA	USA	N 34.25	W 118.52	262	NASA/JPL			F,I									
Noto	Italy	N 36.88	E 14.98	126	Istituto di Radioastronomia, Consiglo Nazionale delle Ricerche (NRC)		F	F,I						O	M		Radio Astronomical Obs.

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Noumea	New Caledonia	S 22.27	E 166.40	83	Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS), GeoforschungsZentrum Potsdam (GFZ), Office de la Recherche Scientific et Technique Outre Mer (OSTRAM) de Noumea			F,I		F	F						
Novosibirsk	Russia	N 54.84	E 83.24	124	Russian Academy of Sciences (RAS)			F,I									
Ny Ålesund	Norway	N 78.93	E 11.87	83	Norwegan Mapping Authority (Statens Kartverk)		F	F,I		F	F	T	F	O	M		Syrius -A, Tide Gauge, Magnetometer
O'Higgins	Antarctica	S 63.32	W 59.90	31	Univesity of Chile, Bundesamt für Kartographie und Geodäsie (BKG)		F	F,I			F			O	M		Tide Gauge
Oatt Mountain, CA	USA	N 34.33	W 118.60	1,113	NASA/JPL			F,I									
Oberpfaffenhofen	Germany	N 48.08	E 11.28	651	GeoforschungsZentrum Potsdam (GFZ)			F,I			F			C	R		
Obninsk	Russia	N 55.11	E 36.67	183	Regional GPS Data Acquisition and Analysis Center on Northern Eurasia, Russia (RDAAC), NASA/JPL, Incorporated Research Institutions for Seismology (IRIS)			F,I									
Ohrid	Macedonia	N 41.13	E 20.79	773	Republica Geodetska Uprava, Bundesamt für Kartographie und Geodäsie (BKG)			F,I									
Ondrejov	Czech Republic	N 49.60	E 14.70	593	RIGTC	[F]		F,I	F			F,T		C			
Onsala	Sweden	N 57.40	E 11.93	47	Onsala Space Observatory, Chalmers University of Technology	T	F	F,I	F			T		C	M		Radio Astronomy Obs., WVR
Orroral	Australia	S 35.63	E 148.93	1,347	Australian Surveying and Land Information Group (AUSLIG), Department of Administrative Services	[F]		[F,I]		[F]				[O]	[C]		[LLR]
Osijek	Croatia	N 45.56	E 18.68	154	Bundesamt für Kartographie und Geodäsie (BKG)			F,I									
Ottawa	Canada	N 45.40	W 75.70	82	Natural Resources of Canada (NRCan), Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)			F,I		[F]				C	M		
Owens Valley, CA	USA	N 37.23	W 118.30	1,197	Owens Valley Radio Observatory, National Radio Astronomy Observatory (NRAO)	T	F, A	F						O	M		
Padova	Italy	N 25.24	E 11.53	84	University of Padova			F,I									
Palmeira	Republic of Cape Verde	N 16.75	E 337.02	35	Pacific GPS Facility (PGF)			F,I									
Palmer	Antarctica	S 64.46	W 64.03		U.S. Geological Survey (USGS)			F,I									
Palos Verdes, CA	USA	N 33.75	W 118.40	70	Scripps Institution of Oceanography (SIO)		T	F,I									
Papeete	Tahiti, French Polynesia	S 16.73	W 151.03	74	Université Francaise du Paçifique (UFP), Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS), Center for Space Research (CSR)	F		F,I		F	F	T	F	O	C	F	
Parkfield, CA	USA	N 35.89	W 120.43	480	NASA/JPL			F,I									
Pasadena, CA	USA	N 34.20	W 118.17	424	NASA/JPL, GeoforschungsZentrum Potsdam (GFZ)	T	T	F,I			F		F	C	R		Magnetometer
Pearblossom, CA	USA	N 34.52	W 117.92	1,239	Scripps Institution of Oceanography (SIO), U.S. Geological Survey (USGS)		T	F,I									
Penc	Hungary	N 47.79	E 19.28	292	FOMI Satellite Geodetic Observatory			F,I				T	F	C	R		
Penticton	Canada	N 49.32	W 119.62	542	Dominion Radio Astronomy Observatory, National Research Council (NRC), Geoloical Survey of Canada (GSCan), Geodetic Survey, Geomatics Canada, Natural Resources Canada (NRCan),		F	F,I						O	M		
Perth	Australia	S 31.97	E 115.82	13	Australian Space Agency, European Space Agency (ESA), European Space Operations Center (ESOC)			F,I							C		
Petropavlosk-Kamchatskiy	Russia	N 53.13	E 158.65	211	Regional GPS Data Acquisition and Analysis Center on Northern Eurasia, Russia (RDAAC), Incorporated Research Institutions for Seismology (IRIS), GeoforschungsZentrum Potsdam (GFZ)			F,I			(F)						
Pie Town, NM	USA	N 34.30	W 108.12	2,347	National Radio Astronomy Observatory (NRAO)		F, A	F,I						O	M		
Pinemeadow, CA	USA	N 33.61	W 116.61	1,394	University of California at San Diego (UCSD)			F,I									
Pinyon Flat, CA	USA	N 33.62	W 116.45	1,256	Pinyon Flat Geophysical Observatory, University of California at San Diego (UCSD)	T	T	F,I				F	F				Tilt Meter, Strain Meter, Magnetometer
Poltava	Ukraine	N 49.60	E 343.54	178	Science and Research Institute of Geodesy and Cartography (SRIG)			F,I									
Ponta Delgada	Azores	N 37.75	W 25.67	110	Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)					F							
Popayán	Colombia	N 02.27	W 76.32		NASA/JPL			F,I									

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Port Moresby	Papua New Guinea	S 09.43	E 147.18	151	Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)					F							
Potsdam	Germany	N 52.38	E 13.07	174	GeoforschungsZentrum Potsdam (GFZ)	F		F,I			F	F	F	C			
Pretoria	South Africa	S 25.75	E 28.28	1,408	CSIR				F								
Priddus	Canada	N 53.13	W 114.05	1,248	Natural Resources of Canada (NRCan)			F,I						C	R		
Punta Arenas	Chile	S 53.14	E 289.12	22	Pacific GPS Facility (PGF)			F,I									
Purple Mountain	China	N 32.07	E 118.82	264	Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)					F							
Quezon City	Phillipines	N 14.64	E 121.08	311	Manila Observatory, NASA/JPL			F,I									
Quincy, CA	USA	N 39.97	W 120.93	1,105	NASA/GSFC	[F]	T	F,I				T					
Rabat	Morocco	N 33.98	W 06.87	96	NASA/JPL			F,I									
Rapa	French Polynesia	S 27.62	W 144.33		Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)					F							
Reykjavík	Iceland	N 64.09	W 21.51	93	Bundesamt für Kartographie und Geodäsie (BKG)			F,I	F	F				C			
Richard's Bay	South Africa	S 28.79	E 32.08	34	Hartebeesthoek Radio Astronomy Observatory (HartRAO), NASA/JPL			F,I									
Richmond, FL	USA	N 25.62	W 80.38	-15	U.S. Naval Observatory (USNO), National Oceanic and Atmospheric Administration (NOAA)	[T]	[F]	[F,I]		F							
Ridgecrest, China Lake, CA	USA	N 35.98	W 117.81	1,456	Scripps Institution of Oceanography (SIO), U.S. Navy			F,I									
Riga	Latvia	N 57.00	E 24.30		University of Latvia	F								O			
Riobamba	Ecuador	S 01.65	S 78.65	2,816	Instituto Geografico Militar (IGM), NASA/JPL			F,I									
Rio Grande	Argentina	S 67.75	W 53.78	34	Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)			F,I		F							
Riyadh	Saudi Arabia	N 24.68	E 46.70		King Abdulaziz City for Science and Technology (KACST)	F	(F)	(F,I)						O	C		
Rothera	Antarctica	S 67.57	W 68.12	27	Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)					F							
Saddle Peak, CA	USA	N 34.06	W 118.65	440	NASA/JPL			F,I									
Saint Croix, Virgin Islands	US Virgin Islands	N 17.75	W 64.58	-32	National Radio Astronomy Observatory (NRAO)		F,A	F,I						O	M		
Saint John's	Canada	N 47.60	W 52.68	154	National Resources of Canada (NRCan), Geological Survey of Canada (GSC)			F,I		F				C	C		
Salta	Argentina	S 24.73	E 294.59	1,258	Universidad Salta Instituto Geonorte, GeoforschungsZentrum Potsdam (GFZ)			F,I									
Sanae	Antarctica	S 71.67	W 02.84	862	Alfred Wegener Institute for Polar and Marine Research (AWI)			F,I									
San Fernando	Spain	N 36.47	W 06.20	86	Real Instituto y Observatorio de la Armada	F		F,I				T	F	O	C		Astronomical Obs., Geophysical Lab., Magnetometer
San Lorenzo	Honduras	N 13.42	E 272.56	41	National Oceanic and Atmospheric Administration (NOAA)			F,I									
San Nicolas Island, CA	USA	N 33.25	W 119.52	240	NASA/JPL			F,I									
San Salvadro	El Salvador	N 13.70	E 270.88	664	National Oceanic and Atmospheric Administration (NOAA)			F,I									
Santa Helena	United Kingdom	S 15.98	W 05.67	456	Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)					F							
Santa Maria, Azores	Portugal	N 36.98	W 25.17		Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)					F							
Santiago	Chile	S 33.15	W 70.67	723	Centro de Estudios Espaciales (CEE), University of Chile under contract to NASA/GSFC	[F]	[F]	F,I		F			F		C		S/C Cmd & Tlm..
Santiago de Cuba	Cuba	N 20.00	W 75.80		Centro Nacional de Investigaciones Sismologicas, GeoforschungsZentrum (GFZ)	F								O			
Sarapul	Russia	N 56.48	E 53.79		Russian Space Agency (RSA)	F		(F,I)						O			
Schefferville	Canada	N 54.50	W 66.83	498	Natural Resources of Canada (NRCan)			F,I						C	R		
Scripps, CA	USA	N 32.87	W 117.25	8	University of California at San Diego (UCSD)			F,I				F	F				Geophsical Lab., Magnetometer
Sévres	France	N 48.83	E 02.22	120	Bureau International des Poids et Mesures (BIPM)				F								
Seychelles	Island	S 04.68	E 55.50	537	NASA/JPL, International Deployment of Accelerometers (IDA)			F,I									
Shamsi	Kyrgyzstan	N 42.62	E 75.32		NASA/JPL			F,I									
Shanghai	China	N 31.18	E 121.43	22	Shanghai Astronomical Observatory (SAO), GeoforschungsZentrum Potsdam (GFZ)	F	F	F,I			F		F	O	M		
Shintomi	Japan	N 32.08	E 131.48		Geographical Survey Institute (GSI)		T										
Shintotsukawa	Japan	N 43.52	E 141.83		Geographical Survey Institute (GSI)		F	F				T		O	M		
Signy Island	Antarctica	S 60.71	W 45.60		Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)					[F]							

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Simeiz	Ukraine	N 44.26	E 33.59		Russian Academy of Sciences (RAS), Ukraine Academy, Department of Science and Technology	F	F	(F,I)						O			
Simi Valley, CA	USA	N 34.24	W 118.68	554	U.S. Geological Service (USGS)			F,I									
Simosato	Japan	N 33.57	E 135.93		Simosato Hydrographic Observatory (SHO), Hydrographic Department (JHD), Maritime Safety Agency	F		F					F	O			
Singapore	Singapore	N 01.35	E 103.68	79	Nanyang Technological University (NTUS), Delft University of Technology (DUT)			F,I									
Sky Valley, CA	USA	N 33.93	W 116.39	485	Scripps Institution of Oceanography (SIO)			F,I									
Socorro Island	Mexico	N 18.72	W 110.95	17	CentreNational d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)					F							
Sofia	Bulgaria	N 42.56	E 23.39	1,119	Bundesamt für Kartographie und Geodäsie (BKG)			F,I									
Solomons Island, MD	USA	N 38.20	W 76.28	-18	National Oceanic and Atmospheric Administration (NOAA)			F,I						C			
South Pole	Antarctica	S 90.00	E 00.00		U.S. Geological Service (USGS)			F,I									
Stuttgart	Germany	N 48.78	E 09.20		TIM						F						
Sutherland	South Africa	S 32.50	E 20.70	1,800	Foundation for Research Development, South African Astonomical Observatory, Geoforschungs Zentrum (GFZ), NASA/GSFC	[T],(F)	(F)	F,I					F				Astronamical Observatory
Suva	Fiji	S 18.15	E 178.43	73	Pacific GPS Facility (PGF)			F,I									
Suwon-shi	Korea	N 37.28	E 127.05	84	National Geography Institute (NGI)			F,I							R		
Svetloe	Russia	N 60.53	E 29.79		Institue of Applied Astronomy (IAA)	(T)	F	F (I)				(F)					Syrius-A
Sylmar, CA	USA	N 34.34	W 118.40	1,139	U.S. Geological Service (USGS)			F,I									
Syowa	Antarctica	S 69.00	E 39.35		Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS), Nippon Institute for Polar Research (NIPR)		F	F,I		F	F			O	M		
Taejon	Korea	N 37.40	E 127.41	78	Korea Astronomy Observatory (KAO)			F,I							C		
Taipei	Taiwan	N 25.02	E 121.53	45	Institute of Earth Science			F,I							R		
Talas	Kyrgyzstan	N 42.45	E 72.21		NASA/JPL			F,I									
Tateyama	Japan	N 34.59	E 139.50		Communications Research Laboratory (CRL)	F	F							O	M		
Teddington	United Kingdom	N 51.42	W 00.34	65	National Physical Laboratory (NPL)			F,I	F								
Tegucigalpa	Honduras	N 14.10	W 87.20	995	Instituto Geografico Nacional, National Oceanic and Atmospheric Administration (NOAA) Geociences Laboratory			F,I		F							
Temecula, CA	USA	N 33.58	W 117.06	517	Scripps Institution of Oceanography (SIO)			F,I									
Terre Adélie	Antarctica	S 66.67	E 140.00	1	Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)					F							
Thule	Greenland	N 76.35	W 68.30	55	Danish Geodetic Survey, University of Texas at Austin, NASA/JPL			F,I	F								
Tidbinbilla	Australia	S 35.40	E 148.98	665	Australian Surveying and Land Information Group (AUSLIG), under contract to NASA/GSFC		F	F,I						O	M		S/C Cmd. & Tlm.
Tiksi	Russia	N 71.63	E 128.87	47	Regional GPS Data Acquisition and Analysis Center on Northern Eurasia, Russia (RDAAC), NASA/JPL, Incorporated Research Institutions for Seismology (IRIS)			F,I									
Tokyo	Japan	N 35.70	E 139.48		Communications Research Laboratories (CRL), NIPR	F								O			
Torrance, CA	USA	N 33.80	W 118.33	-4	U.S. Geological Service (USGS)			F,I									
Toulouse	France	N 43.55	E 01.48	210	Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)		[T]	F,I		F					C		
Townsville	Australia	S 19.27	E 147.06	87	Australian Survey and Land Information Group (AUSLIG)			F,I									
Trabzon	Turkey	N 40.99	E 39.78	99	Bundesamt für Kartographie und Geodäsie (BKG)			F,I									
Tristan de Cunha Island	United Kingdom	S 35.50	W 12.50	49	Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)			(F,I)		F							
Tromsø	Norway	N 69.67	E 18.93	133	University of Tromso, Norwgian Mapping Authority, Statens Kartverk (SK)	T	T	F,I		[F]	F	T			R		S/C Cmd & Tlm., Magnetometer
Trysil	Norway	N 61.30	E 12.30	725	Norwegian Mapping Authority, Statens Kartverk (SK)	T	T	(F)				T					
Tsukuba	Japan	N 36.10	E 140.08	67	Geographical Survey Institute (GSI)		F	F,I	F			F	F	O	M		Magnetometer
Ucluelet	Canada	N 48.93	W 125.54	10	National Resources of Canada (NRCan), Geological Survey of Canada (GSC)			F,I							R		
Ulaan Baatar	Mongolia	N 48.00	E 106.90		Ulaan Baatar Astronomical Observatory, GeoforschungsZentrum Potsdam (GFZ), Astronomical and Geophysical Research Centre of Academy of Science (AGRC)						F						
Urumqi	China	N 44.20	E 87.50	2,034	Urumqi Astronomical Station, Chinese Academy of Sciences	T	F	F,I						O	M		
Ussurijsk	Russia	N 43.90	E 132.00		Russian Space Agency (RSA)		F							O	M		
Usuda	Japan	N 36.13	E 138.37	1,508	Institute for Space and Astronautic Science (ISAS)		[F]	F,I					F		C		S/C Cmd., Tlm., DSN
Uzhgorod	Ukraine	N 48.63	E 22.30	232	Main Astronomical Observatory of the National Academy of Sciences of Ukraine (MAO)			F,I									
Valparaiso	Chile	S 33.03	E 288.37	31	Pacific GPS Facility (PGF)			F,I									

Active Global Space Geodetic Site Information Summary

SITE	COUNTRY	LAT.	LON.	EL.	HOST/MANAGING ORGANIZATION	SLR	VLBI	GPS	GLON	DORIS	PRARE	GRAV	SEIS	MET	TIME	TIDE	OTHER
Vandenberg, CA	USA	N 34.57	W 120.50	-12	US Air Force-Vandenberg Air Force Base (VAFB), University of California at San Diego (UCSD), NASA/JPL	T	T	F,I									
Venezia	Italy	N 45.44	E 12.33	67	Italian Space Agency (ASI)			F,I									
Villafranca	Spain	N 40.44	W 3.59	647	European Space Agency (ESA), European Space Operations Center (ESOC)			F,I							C		
Visby		N 57.65	E 18.37	72	National Land Survey, SWEPOS Operational Center				F								
Vladivostok	Russia	N 43.06	E 131.47		Western Pacific Integrated Network of GPS in Japan (WING)			(F,I)									
Wallis and Futuna	France	S 13.27	E 183.82	159	Centre National d'Etudes Spatiales (CNES), Institut Geographique National (IGN), Groupe de Recherches de Geodesie Spatiale (GRGS)					F							
Washington D.C. (USNO)	USA	N 38.92	W 77.07	49	U.S. Naval Observatory (USNO)			F,I	F					C	M		
Wellington	New Zealand	S 41.27	E 174.78		Department of Surveying and Land Information (DOSLI), Australian Surveying and Land Information Group (AUSLIG)			(F,I)									
Westerbork	The Netherlands	N 52.91	E 06.60	86	Delft University of Technology (DUT)		T	F,I							R		
Westford, MA	USA	N 42.62	W 71.48	86	Haystack Observatory, Massachusetts Institute of Technology (MIT) under contract to NASA/GSFC	T	F	F,I				F	F	C	M		Ionospheric Radar
Wettzell	Germany	N 49.15	E 12.88	666	Bundesamt für Kartographie und Geodäsie (BKG)	F,T	F	F,I	F		F	F	F	C	M		LLR
Whistler	Canada	N 50.13	W 122.92	909	National Resources of Canada (NRCan), Geological Survey of Canada (GSC)			F,I							R		
Whitehorse	Canada	N 60.72	W 135.08	1,427	National Resources of Canada (NRCan), Geological Survey of Canada (GSC)		T	F,I									
Whittier, CA	USA	N 33.98	W 118.03	94	NASA/JPL			F,I									
Williams Lake	Canada	N 52.24	W 122.17	1,096	National Resources of Canada (NRCan), Geological Survey of Canada (GSC)			F,I							R		
Wrightwood/Table Mountai	USA	N 34.38	W 117.68	2,229	U.S. Geological Service (USGS)			F,I									
Wroclaw	Poland	N 51.11	E 17.06		Agricultural University of Wroclaw				F								
Wuhan	China	N 30.58	E 114.32	93	Wuhan Technological University of Surveying and Mapping	F		F,I				F	F	O	C		
Xi'an	China	N 34.20	E 109.00	82	Chinese Academy of Sciences, NASA/JPL, University NAVSTAR Consortium (UNAVCO)			F,I									
Yakutsk	Russia	N 62.03	E 129.68	100	Regional GPS Data Acquisition and Analysis Center on Northern Eurasia, Russia (RDAAC)			F,I									
Yamoussoukro	Cote D'ivorie	N 6.87	W 05.24	270	NASA/JPL			F,I									
Yaragadee	Australia	S 29.05	E 115.35	241	Australian Space Office under contract to NASA/GSFC	F		F,I	F	F		(T)		O	C		
Yebes	Spain	N 40.31	W 03.07	241	Observatorio Astronomico Nacional, Instituto Geographico Nacional		F	F,I						O	M		
Yellowknife	Canada	N 62.48	W 114.48	181	National Resources of Canada (NRCan), Geological Survey of Canada (GSC), Geodetic Survey, Geomatics Canada		F	F,I		F		T	F	C	M		Magnetometer
Yerevan	Armenia	N 40.23	E 44.30	1,167	National Survey Seismic Protection (NSSP), NASA/JPL			F,I									
Yucaipa, CA	USA	N 34.04	W 117.10	690	Scripps Institution of Oceanography (SIO)			F,I									
Yuzhno-Sakhalinsk	Russia	N 47.10	E 142.43		Regional GPS Data Acquisition and Analysis Center on Northern Eurasia, Russia (RDAAC), Incorporated Research Institutions for Seismology (IRIS), Institute of Marine Geodesy, Russian Academy of Sciences (RAS)			F,I		F			F				
Zelenchukskaya	Russia	N 43.80	E 41.60	1,167	Institute of Applied Astronomy (IAA)	(T)	(F)	F,I				T					Syrius-A
Zimmerwald	Switzerland	N 46.88	E 07.47	957	Zimmerwald Obs. of Berne U., Bundesamt fur Landestopographie (BfL)	F		F,I	F			T		C			Astronamical Observatory
Zveningorod	Russia	N 55.70	E 36.75	270	Institute of Astronomy of the Russian Academy of Sciences, Geoforschungs Zentrum (GFZ)	(F)		F,I						C			
Total number of sites:	368					85	79	305	42	66	31	38	27	105	100	4	

F= System in Permanent Operations
T= Accomodations in Place for Transportable System
( )= Future
[ ]= Past

I= International GPS Service for Geodynamics
A= VLBA Site
DSN= Deep Space Network
S/C Cmd. & Tlm.= Spacecraft Command and Telemetry
S/C Launch Fac.= Spacecraft Launch Facility

EL= Elevation, accuracy to meter level (majority of values from IGS site logs)
MET= Meteorological data (C[ontinuous], [during]O[bservations only])
TIME= Precision Time Standard ([H-]M[aser], C[esium], R[ubidium])
TIDE= Tie to tide gauge within 10km

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SITE	COUNTRY	LAT.	LON.	EL.	HOST/MANAGING ORGANIZATION	SLR	VLBI	GPS	GLON	DORIS	PRARE	GRAV	SEIS	MET	TIME	TIDE	OTHER
			E-mail:		noll@cddis.gsfc.nasa.gov												
			WWW:		http://cddisa.gsfc.nasa.gov/ggs/sgp_chart.html												