Table T2: Directory of IERS stations

DOMES Number	SITE	CDP	IGS	DORIS	DESIGNATION
10002	GRASSE				
M001					Mark Caussols 3 (F 2)
M003		7605			Mobile VLBI mark 1989
M006			GRAS		GPS Pillar/brass mark
M008					SELF 2 mark
S001		7835			SLR IAR
S002		7845			LLR IAR
S014				GRAA	DORIS Ant. Ref. Pt.
S016				GR2B	DORIS antenna ref. pt. (Starec type)
10003	TOULOUSE				
M003		7608			VLBI mark
M004			TOUL		TOUL IGS mark
M005					DORIS 1 mark
M006					DORIS 2 mark
S001				TLSA	DORIS 1 antenna ref. pt (Alcatel type)
S003				TLHA	DORIS 2 antenna ref. pt (Alcatel type)
10004	BREST				
M002		7604			Mobile VLBI mark 1989
S001					DORIS Ant. Ref. Pt.
10077	AJACCIO				
S001				AJAB	DORIS antenna ref. pt. (Starec type)
10101	COPENHAGUE				
S001			BUDD		GPS Ant. Ref. Point
10112	HOVVIG				
S001			HVIG		GPS Ant. Ref. Point
10202	REYKJAVIK				
M001			REYK		Univ/bolt GPS marker
M002					DORIS mark
S001				REYA	DORIS antenna ref. pt (Alcatel type)
10204	HOFN				
M001		7635			VLBI monument 1992/brass marker in bedrock
M002			HOFN		IFAG GPS monument/chimney pillar /steel plate
M003					Statens kartverk GPS monument / chimney pillar/steel plate
M004					PRARE monument/observation tower/concrete pillar
M005					EUREF monument/concrete pillar/brass marker
10302	TROMSO				
M001					Trig. point (N 5481)
M002		7602			Mobile VLBI and SLR mark
M003			TROM		GPS marker TSS GPSM
M004					Mark TSS III
M005					Mark WMC2
M006					Hole top center/horizontal top plate/steel tower/bedrock
S001					TI4100/L1 20-DEC-87 - 26-OCT-88
S002					TI4100/L1 28-OCT-88 - 07-NOV-88
S003					TI4100/L1 07-NOV-88 - 21-SEP-89

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 S004                                    TI4100/L1 21-SEP-89 - 17-JUL-90
 S006                                    TI4100/L1 17-JUL-90 - 22-AUG-90
 S007                                    ROGUE SNR-8/DM B/L1 28-MAY-90 - 30-JUN-90
 S008                                    ROGUE SNR-8/DM B/L1 01-JUL-90 - 18-JUL-90
 S009                                    ROGUE SNR-8/DM B/L1 18-JUL-90 -
 S010                                TROA DORIS antenna ref. pt (Alcatel type)

10307  OSLO
 M001                        OSLO        BOLT IN SOLID ROCK

10317  NY-ALESUND
 M001                        NYAL        GPS Mark
 M003                                    Hole top center/horizontal top plate/steel
                                         tower/bedrock
 M004                                    DORIS mark
 S001                                    ROGUE SNR-8/DM B/L1 17-JAN-91
 S002                                SPIA DORIS antenna ref. pt (Alcatel type)
 S003                    7331            20 m VLBI antenna reference point

10322  DOMEN
 M002                        VADR        BOLT IN SOLID ROCK

10325  HONEFOSS
 M001                        HONE        SK Tower GPS mark
 S001

10329  TRYSIL
 M001                    7607            VLBI mark

10330  STAVANGER
 M001                        STAV        BOLT IN SOLID ROCK

10331  TRONDHEIM
 M001                        TRON        BOLT IN SOLID ROCK

10402  ONSALA
 M003                                    NLS Mark 761331 (S7331)
 M004                        ONSA        Mark 301 GPSM
 M005                                    Mark 401
 M006                    7211            Mobile VLBI mark 1992
 S001                    7212            VLBI ref. pt. ONSALA85
 S002                    7213            VLBI ref. pt. ONSALA60
 S011                                    TI4100/L1 18-DEC-87 -23-JAN-91
 S012                                    ASHTECH/L1 27-JAN-91 -20-MAY-91
 S013                                    ROGUE SNR-8/DM B/L1 31-MAY-91

10403  KIRUNA
 M002                        KIRU        GPS mark

10405  MARTSBO
 M002                        MAR6        STAINLESS PLATE/PILLAR/BEDROCK
 S005                                    ASHTECH/L1 22-JAN-91 - 13-FEB-91

10422  KIRUNA/ESRANGE
 M001                        KIR0        STAINLESS PLATE/PILLAR/BEDROCK

10423  VISBY
 M001                        VIS0        STAINLESS PLATE/PILLAR/BEDROCK

10424  VILHELMINA
 M001                        VIL0        STAINLESS PLATE/PILLAR/BEDROCK

10503  METSAHOVI
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M001                                Mark (SF 348)
M002              7601              Mobile VLBI mark 1989
M003                                24 m high bilby tower
M004                                Upper bench mark (FGI) under the DORIS antenna
S001              7805              SLR IAR
S009                                ASHTECH L-XII/L1 ??-MAY-91
S010                                ROGUE SNR-8/DM B/L1 01-JAN-92
S011                    METS        ROGUE SNR-8/DM B/Bottom of the choke ring
S013                         META   DORIS antenna ref. pt (Alcatel type)

10511  VAASA
M001                    VAAS        BOLT/TOP OF STEEL GRID MAST

10512  JOENSUU
M001                    JOEN        BOLT/TOP OF STEEL GRID MAST

10513  SODANKYLA/PITTIOVAARA
M001                    SODA        BOLT/TOP OF STEEL GRID MAST

11001  GRAZ
M001                                Mark (A171)
M002                    GRAZ        GPS Mark
S002              7839              Fixed Laser / intersection of axes

11005  PFANDER
M001                                A 102 BREGENZ PILLAR
M002                                CENTRAL MARKER/BED ROCK/BRASS BOLT
S002                    PFAN        MINI-ROGUE / DM B /ARP

11006  INNSBRUCK/HAFELEKAR
M001                                HAFELEKAR/CENTRAL MARKER/BED ROCK/BRASS BOLT
S003                    HFLK        HAFELEKAR/MINI-ROGUE / DM B /ARP

11028  REISSECK
M001                                CENTRAL MARKER/BED ROCK/BRASS BOLT
S001                    GRMS        MINI-ROGUE / DM B /ARP

11029  PATSCHERKOFEL
M001                                CENTRAL MARKER/BED ROCK/BRASS BOLT
S001                    PATK        MINI-ROGUE / DM B /ARP

11101  SOFIA
M001              7505              SLR MARKER 7505
M002                    SOFI        PILLAR ON THE FLAT-ROOF

11206  PENC
M006                    PENC        CONCRETE PILLAR ON THE ROOF OF THE MAIN
                                    BUILDING

11502  PECNY/ONDREJOV
M002                    GOPE        GEODYNAMICAL PILLAR/ROOF MAIN BUILDING

11507  MODRA-PIESOK
M001                    MOPI        CONCRETE PILLAR/BEDROCK

12108  LJUBLJANA
M001                    LJUB        GPS Marker

12204  JOZEFOSLAW-WARSAW
M001                    JOZE        Geodynamical Pillar

12205  BOROWIEC
M002                    BOR1        Geodynamical pillar on roof/main building
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S001		7811		SLR IAR
12207	BOROWA GORA			
M002			BOGO	PILLAR/ROOF OBSERVATORY MAIN BUILDING
12209	LAMKOWKO			
M001			LAM0	Concret Pillar
12217	WROCLAW			
M001			WROC	PILLAR/ROOF MOUNT
12302	RIGA			
M001		7560		SLR mark
M002			RIGA	CONCRETE MONOLITH 10371
S002		1884		SLR IAR
S006		1885		FIXED LASER /ULISS CDP 1885
12309	MENDELEEVO			
M001			MDVO	Roof/1 m square metallic plate
M002			MDVO	ROOF/2ND GPS MARKER
12313	IRKOUTSK			
M001			IRKT	2-3M PILLAR
12329	YUZHNO-SAKHALINSK			
M002				DORIS mark
S001			SAKA	DORIS antenna ref. pt (Alcatel type)
12330	ZWENIGOROD			
M001			ZWEN	Roof main building/GPS pillar
12334	KITAB			
M001			KIT3	Thread mark in rock
M002				DORIS mark
S004			KITA	DORIS 1 antenna ref. pt. (Alcatel type)
S005			KITB	DORIS 2 antenna ref. pt. (Starec type)
12337	SIMEIS			
M001		7561		Simeis SLR mark
S003		1873		Simeis fixed SLR IAR
S006		1893		Katzively Crimea fixed SLR IAR
S008		7332		22 m AZ-EL Paraboloidal Radiotelescope Ref. pt.
12338	BADARY			
M001				Hole in aluminium plate (DORIS mark)
S001			BADA	DORIS antenna ref. pt (Alcatel type)
12340	MAIDANAK			
S001		1863		MDN. FIXED LASER 1863
S002		1864		MDN2. FIXED LASER 1864
12341	KOMSOMOLSK-NA-AMURE			
S001		1868		KOM. FIXED LASER 1868
12342	USSURIISK			
S001		7247		70 m VLBI antenna ref. pt.
12343	BALKHASH			
S001		1869		Balkhash fixed laser
12344	EVPATORIA			
S001		1867		EVP. FIXED LASER 1867

12347	DUNAOVCY			
S001		1866		Dun. Fixed SLR system
12348	BISHKEK			
M001			POL2	14 CM DIAMETER PIPE/PLATE
12349	KRASNOYARSK			
M001				DORIS mark
M002			KSTU	PILLAR/mark under ROGUE antenna
12350	SVETLOE			
M001			SVTL	STAINLESS PLATE/CONCRETE PEDESTAL
12351	ZELENCHUKSKAYA			
M001			ZECK	BOLT/PILLAR/OBSERVATION TOWER
12352	SELEZASCHITA			
M001			SELE	Top of metallic tube (4m height 0.12m diameter)
12353	YAKUTSK			
M001			YAKA	Top of 5/8-11" diameter stainless steel rod
12354	MAGADAN			
M001			MAG0	Top of 5/8-11" diameter stainless steel rod
12355	PETROPAVLOVSK-KAMCHATKA			
M001			PETR	Top of 5/8-11" diameter stainless steel rod
12602	DIONYSOS			
M001				Central Pillar
M002		7515		Mark SLR Standard WEGENER disk
M003				DORIS mark
S001		7940		SLR IAR
S011			DIOA	DORIS antenna ref. pt (Alcatel type)
12612	ASKITES			
M001		7510		Mark SLR 7510
12613	ROUMELLI			
M001		7517		Mark SLR 7517
12614	KARITSA			
M001		7520		Mark SLR 7520
12615	KATAVIA			
M001		7512		Mark SLR 7512
12616	XRISOKALARIA			
M001		7525		Mark SLR 7525
12706	LAMPEDUSA			
M001		7544		Mark SLR 7544
12711	BOLOGNE			
M001				Pillar
M002		7546		Mark SLR 7546
M003			MEDI	PILLAR MARKER R
S001		7230		Radiotelescope ref. pt.
12717	NOTO			
M001		7543		Mark SLR

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 M002                                    BOLT GPS EUREF 89 (G)
 M003                        NOTO        PILLAR MARKER R
 S001                   7547             Radiotelescope ref. pt.

12718  TRIESTE
 M001                                    Mark (I 400130)
 M002                   7550             Mark SLR 7550

12725  CAGLIARI
 M001                                    ILS Mark (I 234165)
 M002                   7545             Mark SLR 7545
 M003                        CAGL        PILLAR MARKER G
 S013                   7548             Fixed SLR system

12734  MATERA
 M001                                    Mark (I 201130)
 M004                   7541             Mark SLR 7541 "C"
 M005                   7540             Mark SLR 7540 "B"
 M007                                    Roof GPS Mark
 M008                        MATE        Pole (CIGNET GPS mark)
 S001                   7939             SLR IAR
 S005                   7243             Fixed VLBI antenna
 S006                                    ROGUE SNR-8/DM B/L1 22-JAN-91
 S007                                    ROGUE SNR-8/DM B/L1 16-APR-91

12741  VENEZIA
 M001                        VENE        METALLIC PILAR ON THE ROOF

12749  MONTE VENDA
 M001                   7542             SLR mark

12750  PADOVA
 M001                        UPAD        Concrete pillar
 M002                        UPAD        Screw under plastic mast

13101  BRUSSELS
 M004                        BRUS        GPS ASTROLAB/OLD ASTROLAB OBSERVATION DOMEE

13112  DENTERGEM
 M001                        DENT        PILLAR (EUREF # 0705)

13113  DOURBES
 M001                        DOUR        PILLAR (EUREF # 0708)

13114  WAREMME
 M001                        WARE        PILLAR (EUREF # 0706)

13201  BARTON STACEY/CHILBOLTON
 S002                   7215             25m radiotelescope ref. pt.
 S301                                    Hermitage / GPS DMA TI4100 / L1

13212  HERSTMONCEUX
 M002                                    Primary pillar (GB 481)
 M005                                    Solar pillar
 M007                        HERS        GPS reference mark
 S001                   7840             SLR IAR
 S012                                    ROGUE SNR-8A/DM B/L1 04-SEP-91-

13296  BUDDON - CARNUSTY
 M002                   7603             Mobile VLBI mark 1989

13299  MORPETH
 S001                        MORP        INTERSECTION OF THE VERTICAL AXIS FROM THE
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				HORIZONTAL BENCHMARK (FORCED CENTRING PLATE) WITH THE HORIZONTAL PLANE TANGENT TO THE HEIGHT BENCHMARK (VERTICAL BOLT)
13402	SAN FERNANDO			
M004			SFER	TOP OF TOWER/GPS MARKER
S004		7824		Fixed SLR system
13406	VILLAFRANCA			
M001			VILL	ESA GPS marker
13407	MADRID-ROBLEDO			
S001		1563		64m antenna DSS63
S003		1561		26(34) antenna DSS61
S010		1565		34m antenna DSS65
S011				ROGUE SNR-8/DM R/L1 21-MAR-90
S012			MADR	ROGUE SNR-8/DM R/Bottom of the choke ring 21-MAR-90
S013				ROGUE SNR-8/DM R/Top of the choke ring 21-MAR-90
13410	ROQUETES - TORTOSA			
M001			EBRE	Geodetic Pillar
13411	MADRID-FACULTAD			
S001				TRIMBLE 4000SLD/L1 22-JAN-91 - 13-FEB-91
13420	YEBES			
S001		7333		14M RADIOTELESCOPE
13502	DELFT			
M002				GPS EUREF 89 (MARK # 18)
M003				GPS MARK # 15
M004			DELF	GPS MARK # 16
M005				GPS MARK # 19
M006				GPS MARK # 20
M007				GPS MARK # 21
13504	KOOTWIJK			
M001				Perm. mark 1980
M002		8833		Monument MTLRS 1984
M003			KOSG	GPS mark 339334-25
S001		7833		SLR IAR (NL 233)
S013				ROGUE SNR-8/DM B/L1 20-JAN-91
13533	EIJSDEN			
M001			EIJS	TOP OF MAST (MARK #1)/RD 610326/NAP 61H002
13534	TERSCHELLING			
M001			TERS	TOP OF MAST (MARK #01)/RD 059306/NAP 0A-403
14001	ZIMMERWALD			
M001				Mark (CH 99)
M002			ZIMA	DOPPLER Mark
M004			ZIMM	GPS Marker (MAST) (L+T 88)
S001		7810		Fixed Laser / intersection of axes
14005	MONTE GENEROSO			
M001				Mark (CH 65)
M002		7590		SLR Mark
14106	POTSDAM			
M001				Pillar tour Helmert

M003			POTS	Geodetic pillar N-E / building A17
S001		1181		SLR IAR
S009		7836		POTLAS / intersection of axes
14201	WETTZELL			
M001				Astro. Pillar
M002				Trig. Point (D6843)
M003		7595		SLR and GPS mark
M004		7596		SLR mark
M005		7597		SLR mark
M006		7598		SLR and GPS (ROGUE) mark
M007		7599		SLR mark
M008				Mark 1000 (bottom TI4100 12-NOV-90 - 27-JUL-89)
M009			WETT	GPS mark 1200/top of tower
M010			WTZR	Pillar 1202
S002		7834		SLR IAR
S004		7224		VLBI Ref. Point
S013				TI4100/L1 12-NOV-87 - 27-JUL-89
S016				MINI MAC/L1 23-MAY-89 -
S017				ROGUE SNR-800/DM B/L1 20-DEC-90
S018		8834		SLR WLRS IAR
S019				ROGUE SNR-800/DM B/L1 22-JUL-91-
S020				ROGUE SNR-800/DM B/Bottom of the choke ring 22-JUL-91-
14202	HOHENBUNSTORF			
M002		7600		Mobile VLBI mark 1989
14208	OBERPFAFFENHOFEN			
M001			OBER	STEEL PILLAR/ROOF/DLR/D-PAF BUILDING
14209	EFFELSBERG			
M001				Control network mark
S001		7203		100m radiotelescope ref. pt.
14213	HOHENPEISSENBERG			
M002		7630		Mobile VLBI mark 1992
14216	KARLSRUHE			
M001			KARL	PLATE & BOLT/SURVEY TOWER/TECHNICAL UNIVERSITY
14260	KARLSBURG			
M001		7632		Mobile VLBI mark 1992
14261	KIRSCHBERG			
M001		7631		Mobile VLBI mark 1992
14302	NICOSIA-ATHALASSA			
M001			NICO	BOLT ON PILLAR
20101	RIYADH			
S001		7832		FIXED LASER / SALRO
20702	BAR GIYYORA			
M001		7530		SLR mark 7530
M002			BARG	GPS Mark
S001		7530		MOBLAS-2
20801	DIYARBAKIR			
M001		7575		Mark SLR
20802	YOZGAT			

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 M001              7585                Mark SLR

20803  MELENGICLICK
 M001              7580                Mark SLR

20804  YIGILCA
 M001              7587                Mark SLR

20805  ANKARA
 M001              7589                SLR mark 1993
 M002                        ANKR      GPS Pillar

21501  EVEREST
 M001                                   DORIS mark
 S001                              EVEB DORIS antenna ref. pt. (Starec type)

21601  PEKIN
 S004              7249                BEIJ fixed SLR system

21602  WUHAN
 M001                                   GPS mark
 S003              7236                Wuhan fixed laser

21604  PURPLE MOUNTAIN
 M002                                   DORIS mark
 S003                              PURA DORIS antenna ref. pt (Alcatel type)

21605  SHANGHAI
 M001                                   Mark connect with bedrock
 M002                        SHAO       GPS marker JPL 4027-S
 S001              7837                SLR IAR
 S008              7226                VLBI 6m radiotelescope ref. pt.
 S009              7227                VLBI 25m antenna ref. pt.

21611  CHANGCHUN
 S001              7237                CHALAS / intersection of axes

21612  URUMQI
 S001              7330                25 m VLBI antenna reference point

21613  LHASA
 M001                        LHAS       GPS PILLAR / BOLT LS 12

21614  SHAANXI
 M001                        XIAN       GPS MARK JPL 3233-S

21701  KASHIMA
 M001                                   Metal station mark (Denken 1)
 S001              1856                26m VLBI antenna
 S004              1857                34m VLBI antenna

21702  MIZUSAWA
 M001              7314                Mobile VLBI marker
 S009              7314                Mobile VLBI
 S010              7324                10-m VLBI antenna/AZ-EL (MIZNAO10)

21704  TOKYO
 S002              7308                SLR CRLLAS IAR

21705  DODAIRA
 S001              7935                DDR Fixed SLR system

21709  OKINAWA
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 S001             7301          SLR IAR HTLRS-1

21718 MIYAZAKI
 S001             7312          5m mobile VLBI

21725 NOBEYAMA
 S001             7244          6m VLBI antenna ref. pt.

21726 SIMOSATO
 M001                           Stone marker
 M002             7838          SLR mark (center of the ring of the base pier)
 S001             7838          SLR IAR fixed

21729 USUDA
 M001                           GPS mark Control RM roof
 S001             7246          64M VLBI antenna IAR
 S002                           ROGUE SNR-8/DM R/L1 29-JAN-91/09-AUG-92
 S003                  USUD     ROGUE SNR-8/DM R/Bottom of the choke ring
                                29-JAN-91/09-AUG-92
 S004                           ROGUE SNR-8/DM R/Top of the choke ring
                                29-JAN-91/09-AUG-92
 S005                  USUD     ROGUE SNR-8/DM R/Bottom of the choke ring
                                09-AUG-92/29-OCT-92
 S007                  USUD     ROGUE SNR-8/DM R/Bottom of the choke ring
                                29-OCT-92/

21730 TSUKUBA
 M001             7311          Mobile VLBI marker
 S001             7311          5m mobile VLBI
 S002                           MINI MAC2816AT/L1 10-JUL-88 - 17-DEC-91
 S003                           MINI MAC2816AT/L1 18-DEC-91
 S004                  TSUK     MINI MAC2816AT / Bottom of the antenna
 S005                  TSKB     TurboRogue/DM T/ARP 15-DEC-93

21731 SHINTOTSUGAWA
 M001             7315          Mobile VLBI marker
 S001             7315          Mobile VLBI

21732 CHICHIJIMA
 S001             7316          mobile VLBI
 S002             7844          SLR IAR HTLRS-1

21733 MINAMI TORI SIMA (MARCUS)
 S001             7300          SLR IAR HTLRS-1
 S002             7310          mobile VLBI

21735 TSUSHIMA
 S001             7302          SLR IAR HTLRS-1

21736 ISHIGAKI SHIMA
 S001             7307          SLR IAR HTLRS-1

21737 SAGARA
 S001             7325          VLBI antenna Ref. Pt.

21738 DAITO
 S001             7326          VLBI antenna Ref. Pt.

22006 MANILLE
 M002                           DORIS mark
 S001                     MANA  DORIS antenna ref. pt (Alcatel type)

22306 BANGALORE
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 M001                    IISC      Granite Monument 250 m2
 M002                    IISC      CIRCLE AND DOT

22601  SINGAPOUR
 M001                    NTUS      MARKER NTUS-01 / STEEL POLE /ROOF OF THE
                                   SCHOOL CIVIL ENGINEERING

23101  CIBINONG
 M001                              DORIS mark
 M002                              Concrete monument TTG1
 S001                         CIBB DORIS antenna ref. pt. (Starec type)

23501  COLOMBO
 M001                              Mark on roof (Epoch 92)
 M002                              DORIS mark
 S001                         COLA DORIS antenna ref. pt (Alcatel type)

23601  TAIPEI
 M001                    TAIW      GPS mark

23902  TAEJON
 M001                    TAEJ      KAO GPS STATION
 S001                              TRIMBLE 4000SDT/L1

23903  SUWON-SHI
 M001                    SUWN      Concrete base marker

24901  BAHREIN (JUFFAR)
 M001                              RM1-31314 DMA 35012 (OLD DOPPLER 31482)
 M002                    BAHR      WM1 DMA 32021
 S001                              GPS DMA TI4100 / L1

30101  HELWAN
 S001               7831           SLR IAR fixed

30302  HARTEBEESTHOEK
 M002                    HART      Engraved plate below ROGUE antenna
 M003               7501           SLR mark 1993
 M004                    HRAO      KRUGERSDORP/SS6TRI MONUMENT
 M005                              DORIS 1 mark
 M006                              DORIS 2 mark
 M007                    HARK      ENGRAVED PLATE
 S001               7232           26m VLBI antenna ref. pt.
 S005                         HBLA DORIS 2 antenna ref. pt. (Alcatel type)
 S202                         HBKA DORIS 1 antenna ref. pt. (Alcatel type)

30304  OLIFANTSFONTEIN
 S001               7902           Fixed SLR / Laser Mount Rotation Axes

30313  MARION ISLAND (PRINCE EDWARD ISLANDS)
 M001                              DORIS mark
 S001                         MARA DORIS antenna ref. pt (Alcatel type)

30314  SUTHERLAND
 M001               7502           SLR mark 1993

30602  ASCENSION
 M001                    ASC1      PLATE/I-BEAM MAST/ROOF MOUNT
 M002                              Ariane station / DORIS mark
 S003                              GPS OCS monitor station
 S004                         ASDB DORIS 2 antenna ref. pt. (Starec type)

30604  TRISTAN DA CUNHA
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 S001                          TRIA DORIS antenna ref. pt (Alcatel type)

30606  SAINTE-HELENE
 M002                               DORIS 2 mark
 S002                          HELA DORIS 1 antenna ref. pt. (Alcatel type)
 S003                          HELB DORIS 2 antenna ref. pt. (Starec type)

30607  SIGNY ISLAND
 S001                          SIGA DORIS antenna ref. pt (Alcatel type)

30802  DIEGO GARCIA
 M001                     DGAR      GPS MARKER/ROOF MOUNT
 S002                               GPS OCS monitor station

31303  MASPALOMAS
 M001                     MASP      PILLAR MPA1
 M002                     MAS1      GPS mark

31901  FLORES
 S001                          FLOA DORIS antenna ref. pt (Alcatel type)

31903  SANTA MARIA
 S001                          SAMB DORIS antenna ref. pt. (Starec type)

31906  SAO MIGUEL
 M001               7609            Ponta Delgada / Mobile VLBI mark 1992

32809  LIBREVILLE
 M001                               N'Koltang / Borne 1988
 S001                               TRIMBLE SLD/L1 22-JAN-91 - 13-FEB-91
 S002                          LIBA DORIS antenna ref. pt (Alcatel type)

32901  KUMASI
 M001                     KUMA      PILLAR UST 1/68/SS1

33201  MALINDI
 M001                     MALI      METAL PLATE / CONCRETE MONUMENT

33710  ARLIT
 M002                               DORIS 2 mark
 S001                          ARLA DORIS 1 antenna ref. pt (Alcatel type)
 S002                          ARMA DORIS 2 antenna ref. pt (Alcatel type)

34101  DAKAR
 M003                               DORIS mark
 S004                          DAKA DORIS antenna ref. pt (Alcatel type)

39801  MAHE ISLAND
 M001                     SEY1      MONUMENT CONNECTED TO A CONCRETE WELL-HEAD JPL
                                    4016-S

39901  DJIBOUTI
 M002                               DORIS mark
 S002                          DJIA DORIS antenna ref. pt (Alcatel type)

40101  ST JOHN'S
 M001                     STJO      920000 Concrete pillar on bedrock/plate

40102  ONTARIO-OTTAWA
 S005                          OTTA DORIS antenna ref. pt (Alcatel type)
 S006                          OTTB DORIS antenna ref. pt (Alcatel type) after the
                                    fall
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40103  PRINCE ALBERT
 M001                      PRAL      GPS Mark

40104  ALGONQUIN
 M002                      ALGO      883160 GPS ARO N. pier
 M003                7410            SLR Mark (933000)
 S001                7282            46m VLBI antenna ref. pt.
 S003                                ROGUE SNR-8/DORNE-MARGOLIN B/L1 16-JAN-91 -

40105  PENTICTON
 M001                7283            Mobile VLBI mark 7283
 M002                      DRAO      GPS MARK 887006
 S002                                TI4100/L1
 S003                                ROGUE SNR-8/DM B/L1 27-FEB-91

40114  OTTAWA
 M001                      NRC1      GPS MARKER

40118  WHITEHORSE
 M001                7284            Mobile VLBI mark 7284
 M002                7284            Mobile VLBI mark 7284 PEQ

40124  CALGARY
 M001                      PRDS      PRIDDIS/GPS Mark

40127  YELLOWKNIFE
 M001                7285            Mobile VLBI mark (LBI 829098)
 M002                                Mark 869211
 M003                      YELL      Mark 889201
 M004                7296            Mobile VLBI MARK (LBI 909012)
 S003                                TI4100/L1 01-JAN-87 - 02-JUL-89
 S004                                TI4100/L1 07-JUL-89 - 21-JAN-91
 S005                                ROGUE SNR-8/DORNE-MARGOLIN B/L1 21-JAN-91 -
                                     19-MAR-91
 S006                                Mini ROGUE SNR-8C/DORNE-MARGOLIN B/L1
                                     20-MAR-91-
 S007                           YELA DORIS antenna ref. pt (Alcatel type)

40128  CHURCHILL
 M002                      CHUR      PLATE/CONCRETE PILLAR

40129  VICTORIA
 M001                7289            Mobile VLBI mark
 M002                      PGC1      Marker 867001/Centre-punch on brass
                                     control-point marker set into concrete flush
                                     with ground level
 M003                      ALBH      Albert Head GPS Mark 927000
 S001                                VICTORIA/ROGUE/L1 16-JAN-91 -

40130  HOLBERG
 M001                      HOLB      GPS mark

40132  LA GRANDE
 M001                7411            Mobile SLR MARKER 7411

40133  SCHEFFERVILLE
 M001                      SCHE      GPS MARKER (SCHE)
 M002                      SCH2      Brass plate/bolt/concrete pier

40134  WILLIAMS LAKE
 M001                      WILL      GPS MARKER

40135  FLIN FLON
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M001			FLIN	GPS MARKER 965000
40136	WHITEHORSE GPS SITE			
M001			WHIT	MONUMENT 7787017
40137	LAC DU BONNET			
M001			DUBO	TOP OF CONCRETE PIER 924000
40138	NANOOSE			
M001			NANO	Brass plate on top of concrete pillar anchored into bedrock
40139	CHEEKA PEAK			
M001			NEAH	Brass plate on top of concrete pillar anchored into bedrock
40140	UCLUELET			
M001			UCLU	Brass plate on top of concrete pillar anchored into bedrock
40141	WHISTLER			
M001			WSLR	Brass plate on top of concrete pillar anchored into bedrock
40400	PASADENA			
M001		7896		Mark SLR (JPL aries 2 1975)
M003		7263		Mobile VLBI Mark
M005		7264		Mobile VLBI MARK
M006		7272	JPLM	Mobile VLBI mark (JPL MV3 1983)
M007		7272	JPLM	Mobile VLBI mark (JPL MV3 1983) PEQ
M101			WLSN	Mt. Wilson/bedrock/concrete bloch JPL 4028-s
M301			BRAN	Burbank/pipe with fitting adaptor
S004				ROGUE SNR-8/DM R/L1 6-NOV-90 -
S201			CIT1	CALTECH/NORTH MUDD BUILDING/ROGUE SNR-8000/DM T/ARP
40403	PALOS VERDES			
M001		7268		Mobile VLBI mark
M002			PVEP	PGGA Mark
40404	PEARBLOSSOM			
M001		7254		Mobile VLBI mark (NCMN 1983)
M002		7253		Mobile VLBI mark
M101			HOLC	HOLCOMB RIDGE/ 3/4" Vert. Stainless steel rod
40405	GOLDSTONE			
M001		7085		MOBLAS 7085 Goldstone val
M002		7115		MOBLAS 7115-1979 standard NASA disk
M006		7265		Mojave NCMN 1983 NGS station disk
M010		7287		Mojave TLRS 1984 standard NASA disk
M011				Mojave NCMN 1 1983
M013		7288		Mojave mobile VLBI and TLRS mark(Punchmark on sheared surface of 7287 mark)
M014				DORIS mark
S001		1514		Mars 64m fixed VLBI ref. point (DSS14)
S003		1512		(26) 34m fixed VLBI ref. point (DSS12)
S005			GOMA	DORIS 2 antenna ref. pt (Alcatel type)
S009		7222		Mojave fixed 12m VLBI ref. point
S014		1513		Venus 26m fixed VLBI ref. point (DSS13)
S019		7231		Mars 34m fixed VLBI ref. point (DSS15)
S020				TI4100/L1 11-NOV-86 - 18-JUL-88
S024				TI4100 FRPA-2/L1/L2 19-JUL-88
S025				MINI MAC 2816AT/L1 05-FEB-89

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 S026                                    ROGUE SNR-8/DM R/L1 14-DEC-89
 S028                    GOLD            Goldstone/ ROGUE SNR-8/DM R/Bottom of the
                                         choke ring 14-DEC-
 S029                    MOJ1            Mojave/MINI MAC 2816AT/Bottom of the antenna
                                         05-FEB-89
 S030                                    Goldstone/ ROGUE SNR-8/DM R/Top of the choke
                                         ring 14-DEC-89
 S031                    GOLD            Goldstone/ ROGUE SNR-8/DM R/Bottom choke ring
                                         PEQ 28-JUN-92-
 S032                                    Goldstone/ ROGUE SNR-8/DM R/Top choke ring PEQ
 S033              7222                  Mojave fixed 12m VLBI ref. point PEQ
                                         28-JUN-92-
 S034              7231                  Mars 34m fixed VLBI ref. point (DSS15)
 S035                              GOLA  DORIS 1 antenna ref. pt (Alcatel type)
 S037                              GOMB  DORIS 3 antenna ref. pt. (Starec type)

40406  SAN FRANCISCO (PRESIDIO)
 M001              7252                  Mobile VLBI mark
 M002              7252                  Mobile VLBI mark PEQ

40407  PINYON FLATS
 M001              7256                  Mobile VLBI mark (NCMN 1981)
 M002                    PIN1            Pinyon 1
 M003                    PIN1            Pinyon 1 PEQ
 M004                    PIN2            Pinyon 2
 S001                                    ROGUE SNR-8/DM B/L1 6-NOV-90 -

40408  FAIRBANKS
 M001                    FAIR            GPS pillar
 M002                                    Engraved cross under the DORIS antenna
 S001                                    26m antenna ref. pt.
 S002              7225                  26m VLBI ref. point (GILMORE CREEK)
 S003                                    ROGUE SNR-8/DM R/L1 17-JAN-91
 S004                              FAIA  DORIS antenna ref. pt (Alcatel type)

40409  KAENA POINT (HAWAII)
 S001                                    GPS OCS monitor station

40410  POINT REYES
 M001              7251                  Mobile VLBI mark

40412  AUSTIN
 M001              7890                  Mark SLR 7890
 M002                                    Austin monument
 M003              7271                  Mobile VLBI mark

40416  YAKATAGA
 M001              7277                  Mobile VLBI mark
 M002              7277                  Mobile VLBI mark PEQ

40417  PATRICK AFB
 M001              7081                  Mark SLR
 M002              7069                  Mark SLR

40419  KODIAK
 M001              7278                  Mobile VLBI mark

40420  VANDENBERG AFB
 M001              7111                  DMA disk MOBLAS 7111 (1981)
 M002              7223                  DMA disk VLBI 7223 (1983)
 M003              7880                  DMA disk TLRS 7880 (1983)
 M004              7887                  DMA disk TLRS 7887 (1983)
 M006                    VNDP            PGGA 1991
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M007			VNDP	PGGA 1991 PEQ
M101			HARV	HARVEST PLATFORM/GPS pier
40421	NOME			
M001		7279		Mobile VLBI mark
40423	SANDPOINT			
M001		7280		Mobile VLBI mark
40424	KAUAI			
M004			KOKB	VERLOT radar building JPL GPS mark 3028-S
M005				CIGNET-GPS survey marker
M006				JPL GPS temporary mark
S001		1311		9m VLBI ref. point
S002				TI4100/L1 - -86 -
S003				TI4100 FRPA-2/L1 -APR-88 - 02-JUL-90
S004				TRIMBLE 4000SST/L1 02-JUL-90 - 17-MAR-92
S006				ROGUE SNR-8/DM R/L1 21-NOV-90 -
S007		7298		20-m VLBI antenna/AZ-EL
S008			KOKA	DORIS antenna ref. pt (Alcatel type)
40425	SOURDOUGH			
M001		7281		Mobile VLBI mark
M002		7281		Mobile VLBI mark PEQ
40427	FORT ORD			
M001		7266		Mobile VLBI mark (NCMN 1981)
M002		7241		Mobile VLBI mark
M003		7241		Mobile VLBI mark PEQ
40428	SANTA PAOLA			
M001		7255		Mobile VLBI mark
40430	BLACK BUTTE			
M001		7269		Mobile VLBI mark (NCMN 1982)
40431	DEADMAN LAKE			
M001		7267		Mobile VLBI mark
40432	ELY			
M001		7286		Mobile VLBI mark/ELY AIRPORT R.M. NO. 2 1954
M002		7257		Mobile VLBI mark/ELY AIRPORT 1954
40433	QUINCY			
M001		7051		Steel plate MOBLAS 7051
M002		7109		MOBLAS 7109 (1981) Standard NASA disk
M004		7221	QUIN	QUINCY NCMN Standard NASA disk (7221-1982)
M005		7886		TLRS 7886 (1982) standard NASA disk
M006		7260		Quincy ARIES 1979
40434	MOUNT HOPKINS			
M002		7888		Mark SLR
S001		7921		SLR IAR (SAO)
40436	SAN DIEGO - OTAY MT.			
M002		7062		Mark SLR Circular 5" steel plate
M003		7035		Mark SLR 7035 1988
40437	MAMMOTH LAKES			
M001		7259		Mobile VLBI mark
M002			CASA	GPS Mark JPL 4087-S
40438	BEAR LAKE			

M001	7082		Mark SLR (4" x 4" Steel plate)
M002	7046		SLR mark
40439	OWENS VALLEY		
M001	7114		MOBLAS 7114 (1979) standard NASA disk
M003	7084		MOBLAS, TLRS 7084 standard NASA disk
M004	7853		Mobile VLBI Jul 87 standard NASA disk
S002	7207		40m VLBI ref. point
S006	7616		VLBA antenna reference point
40440	WESTFORD		
M001	7091		MOBLAS Haystack Inter Comp 1977
M004			Monument MICRO
S002	7205		Haystack / 37m VLBI ref. point
S003	7209		Westford / 18m VLBI ref. point
S014			TI4100/L1 -OCT-86 - 04-AUG-88
S016			TI4100 FRPA-2/L1/L2 05-AUG-88 - 14-FEB-89
S017			MINI MAC 2816AT/L1 29-JAN-89 -
S019		WES1	MINI MAC 2816AT / Bottom of the antenna
S020		WES2	Rogue SNR-8000/DM T/BPA 08-FEB-93
40441	GREENBANK		
S001	7204		43m radiotelescope ref. pt.
S004	7214		85-foot antenna ref. pt. NRAO85-3
S005	7248		85-foot antenna ref. pt. NRAO85-1
S006	7214		85-foot antenna ref. pt. NRAO85-3 PEQ
S007	7208		20-m antenna ref. pt.
40442	FORT DAVIS		
M001	7086		MLRS, MOBLAS, TLRS-1 standard NASA disk
M004			McDonald RM4 1977
M005	7885		MLRS, MOBLAS, TLRS-1 standard NASA disk
M006	7080		MLRS mark 7080 1988
M008	7850		Mobile VLBI and SLR mark 7850 1988
M009	7900		Mobile VLBI mark (Havard RM 5 1977)
M010	7897		SLR Mark 7850
M011	7851		SLR MARK 7851
M012		MDO1	GPS Mark 4011-S
S001	7086		LLR MLRS
S002	7206		LLR McDonald 2
S003	7216		85-foot VLBI ref. point (HRAS 085)
S017	7613		VLBA antenna reference point
40445	MAUI		
M001	7210		HOLLAS fixed carriage bolt
M002	7120		MOBLAS 7120 (1980)
S005			LLR Haleakala transmitter
40449	OCOTILLO		
M001	7270		Mobile VLBI mark (NCMN 1982)
40451	WASHINGTON		
M101	7101		MOBLAS 7101-1977 standard NASA disk
M102	7102		Mobile SLR 7102-1978 standard NASA disk
M103	7103		Mobile SLR 7103-1978 standard NASA disk
M104	7104		Mobile SLR 7104-1978 standard NASA disk
M105	7105		MOBLAS -7 7105-1981 standard NASA disk
M106	7100		Mobile SLR 7100-1977 standard NASA disk
M107	7064		Mobile SLR 7064 standard NASA disk
M108	7065		Mobile SLR 7065 standard NASA disk
M110			Greenbelt north GEOS(GSFC) GORF
M111	7899		TLRS 7899-1980 standars NASA disk
M112	7063		STALAS fixed Laser standard NASA disk

M113	7106		SLR mark
M114	7125		SLR mark 7125 1985 standard NASA disk
M115	8213		SLR mark
M116	7130		SLR mark 7130 1985 standard NASA disk
M117	7920		SLR mark 7125-B standard NASA disk
M118	7889		SLR mark 7889 1981 standard NASA disk
M119	7917		SLR mark 7917 Steel plate SAO-3
M120	7918		SLR mark standard NASA disk
M121	7919		SLR mark standard NASA disk
M122	7083		SLR mark standard NASA disk
M123		GODE	GPS Mark East (JPL 4006)
M124		GODW	GPS Mark West (JPL 4005)
M125	7108		Mark SGP 7108-1993
40452	BLOOMINGTON		
M001	7291		Mobile VLBI mark
40453	CARROLLTON		
M001	7228		Mobile VLBI mark
40454	LEONARD		
M001	7292		Mobile VLBI mark
40455	MILES CITY		
M001	7038		Mobile VLBI mark
40456	PIETOWN		
M001		PIE1	Concrete GPS pier JPL 4009 S
S001	7234		VLBA antenna reference point
40457	SEATTLE		
M001	7229		Mobile VLBI mark
40458	MALIBU/SADDLE PEAK		
M001		SPK1	STEEL MONUMENT/ROOF CONCRETE BUNKER JPL 4504-S
40460	LA JOLLA/SCRIPPS		
M001		SIO1	SCRIPPS 1 1989 UCSD IGPP
M002		SIO2	SCRIPPS 2
M003		SIO2	SCRIPPS 2 PEQ
M004		SIO3	SCRIPPS 3
40461	WHITTIER		
M001		WHC1	WHITTIER COLLEGE/STEEL MON./SIDE BULIDING 4505-S
M002		WHI1	WHITTIER LIBRARY/STEEL MON./SIDE BULIDING 4502-S
40463	LOS ALAMOS		
S001	7611		VLBA antenna reference point
40464	CARR HIL		
M001		CARR	GPS Mark
40465	NORTH LIBERTY		
M001		NLIB	Concrete GPS pier JPL 4007 S
S001	7612		VLBA reference point (intersection of axes)
40466	KITT PEAK		
S001	7610		25-m VLBA antenna reference point
40469	CHINA LAKE		
M001		COSO	1" DIAMETER RING/ 0.75" ROD /GRANITIC BASEMENT

40471 HANCOCK
S001 7618 25-M VLBA antenna reference point

40472 COLORADO SPRINGS
S001 GPS OCS monitor station

40473 BREWSTER
S001 7614 25-M VLBA antenna reference point

40474 LAKE MATHEWS
M001 MATH PGGA Mark

40475 WAIMEA (HAWAII)
S001 WAIA DORIS antenna ref. pt (Alcatel type)

40476 HAWAIIAN VOLCANO OBSERVATORY
S001 HVOA DORIS antenna ref. pt (Alcatel type)

40477 MAUNA KEA
M001 MKEA GPS MARKER
S001 7617 25-M VLBA antenna reference point

40478 CHATSWORTH
M001 CHTP PGGA Mark (stainless steel pin in rock)
M002 ROCK ROCKETDYNE/PIPE IN SANDSTONE
M101 OATT Oatt Mountain/concrete bunker/ss-pin JPL 4029-s
S101 OAT2 OATT MOUNTAIN / DM T ANTENNA / ARP

40479 BLYTHE
M001 BLYT PGGA Mark Nov. 1993

40480 BOMMER CANYON
M001 TRAK PGGA Mark sandstone rock/stainless steel rod

40481 YUCAIPA
M001 CRFP PGGA Mark

40482 LONG BEACH CITY
M001 LBCH JPL 4500-s

40483 WESTLAKE/ALLEN OSBORNE AND ASSOCIATES
S001 AOA1 ROGUE SNR-8000/DM T/ARP 07-SEP-94 -

40484 CHILAO FLATES/SAN GABRIEL MOUNTAINS
M001 CHIL 3/4" Vert. Stainless steel rod with brass adaptor

40485 LONGDON YARD/IRWINDALE
M001 LONG 3/4" Vert. Stainless steel rod with brass adaptor

40486 PINEMEADOW
M001 ROCH PGGA Marker

40487 LOS ANGELES
M001 USC1 Univ. of South Calif./Steel Pillar on Vault
M002 UCLP Univ. of Calif./ GPS marker

40488 CATALINA ISLAND
M001 CAT1 STAINLESS STEAL PIN JPL 4506-S

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40489  HAT CREEK
 M001                                  Mark NCMN B
 S001              7218                26m VLBI ref. point of radio telescope

40490  MARYLAND POINT
 S001              7217                (26m) 85-foot radiotelescope

40491  FLAGSTAFF
 M002              7891                Mark SLR (RMT N 4 1981)
 M003              7261                Mobile VLBI mark

40492  VERNAL
 M001              7892                Mobile SLR and VLBI mark (NCMN 1981)
 M002              7290                Mobile SLR and VLBI mark (NCMN 1985)

40493  YUMA
 M001              7894                Mobile SLR and VLBI mark

40496  PLATTEVILLE
 M001              7112                Moblas 7112-1980 standard NASA disk
 M002              7258                NCMN 1981 mobile VLBI NGS station disk

40497  MONUMENT PEAK
 M001              7110                ORT station 7110-1981 standard NASA disk
 M002              7220                ARIES ORION STA 7220-1981
 M003              7274                NCMN 1983 mobile VLBI NGS disk
 M004                   MONP           PGGA MARK

40498  VLA
 S001              7619                VLA INTERFEROMETER Ref. Pt.

40499  RICHMOND
 M001                                  Timer 1962
 M002              7295 RCM2           Mark SLR
 M005                   RCM4           Stainless steel plate (Richmond 1993)
 S001              7219                65 foot VLBI antenna
 S009                                  TI4100 FRPA-2/L1/L2 09-FEB-88 - 24-FEB-89
 S011                                  MINI MAC 2816AT/L1 05-FEB-89 -
 S013                                  MINI MAC 2816AT/Bottom of the antenna
 S015                        RICA      DORIS 1 antenna ref. pt (Alcatel type)
 S016                        RIDA      DORIS 2 antenna ref. pt (Alcatel type)
 S017                   RCM3           Turbo Rogue SNR-8000/DM T/BPA 26-OCT-93
 S018                   RCM5           Turbo Rogue SNR-8000/DM T/BPA 11-OCT-93
 S019              7201                VLBI ANTENNA REF. POINT
 S020                   RCM6           Turbo Rogue SNR-8000/DM T/BPA 1-NOV-96

40503  SOCORRO ISLAND
 M002                                  DORIS 2 mark
 S002                        SOCA      DORIS 1 antenna ref. pt (Alcatel type)
 S003                        SODA      DORIS 2 antenna ref. pt (Alcatel type)

40504  MAZATLAN
 M001              7122                MOBLAS 7122-1983 standard NASA disk

40505  CABO SAN LUCAS
 M001              7882                Mark SLR 7882 1983

40506  ENSENADA
 M001              7883                SLR mark 7883

40508  CICESE
 M001                   CICE           HIGH CONCRETE PILLAR JPL 3235
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40601  MOIN/COSTA-RICA
 M001                    MOIN      UNAVCO antenna mount/Pillar/Roof RECOPE
                                   building

40701  SANTIAGO DE CUBA
 S001              1953            SLR IAR

41505  BUENOS-AIRES
 S006                              GPS DMA TI4100 / L1

41507  RIO GRANDE
 M002                              DORIS 2 mark
 S003                         RIOA DORIS 1 antenna ref. pt (Alcatel type)
 S004                         RIOB DORIS antenna ref. pt. (Starec type)

41510  LA PLATA
 M001                    LPGS      CONCRETE PILLAR

41602  FORTALEZA
 M001                    FORT      Bronze plate SAT92009
 S001              7297            45-foot VLBI antenna

41604  NATAL
 S001              7929            SLR IAR

41606  BRASILIA
 M001                    BRAZ      CONCRETE PILLAR JPL 4024-S

41609  CACHOEIRA PAULISTA
 M002                              DORIS mark
 S001                         CACB DORIS antenna ref. pt. (Starec type)

41703  EASTER ISLAND
 M001              7061            TLRS-2 7061-1983 NASA-GSFC station disk
 M002              7097            TLRS-2 7097-1986 NASA brass disk
 M003                    EIS1      GPS mark JPL 4008-S
 M004                              DORIS mark
 S008                         EASA DORIS antenna ref. pt (Alcatel type)

41705  SANTIAGO
 M001              7400            Mark SLR
 M002                              GPS Mark (GIG'91)
 M003                    SANT      GPS Mark JPL 4001-S
 M004              7404            SLR MARKER 7404
 S004                              ROGUE SNR-8/DM R/L1 15-JAN-91 -
 S006              1404            12m VLBI antenna IAR
 S007                         SANA DORIS 1 antenna ref. pt. (Alcatel type)
 S008                         SAOB DORIS 2 antenna ref. pt.

41706  CERRO TOLOLO
 M001              7401            Mark SLR

41709  SEST
 S001              7239            VLBI antenna

41901  BOGOTA
 M001                    BOGT      GPS MARKER JPL 4022-S/INGEOMINAS COMPLEX

42003  QUITO
 S001                              GPS DMA TI4100 / L1

42004  SAN CRISTOBAL (GALAPAGOS)
 M002                              DORIS mark
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 S001                          GALA DORIS antenna ref. pt (Alcatel type)

42005  SANTA CRUZ
 M001                    GALA       DARWIN STATION / GPS MARKER

42202  AREQUIPA
 M002                               Satellite mark 1961
 M003               7403            Mark SLR
 M004                               East Satellite mark Ref. 1
 M005                    AREQ       GPS marker JPL 4021-s
 M006                               DORIS mark
 S001               7907            SAO-2 fixed laser
 S005                          AREA DORIS antenna ref. pt (Alcatel type)

42501  BERMUDA
 M001               7067            Mark SLR
 M002               7294            Mobile VLBI mark
 S004                    BRMU       Turbo Rogue SNR-8000/DM T/BPA 12-MAR-93

43001  THULE
 M001                    THU1       BUILDING ROOF/RECTANGULAR PLATE

43005  KELLYVILLE (KANGERLUSSUAQ)
 M001                    KELY       KELLYVILLE/1M CONCRETE PILLAR/STEEL PLATE

43201  SAINTE CROIX
 M001                               VLBA RM 1 JPL 4023
 S001               7615            25-M VLBA antenna reference point

43401  BRIDGETOWN
 S001                    BARB       BPA/Ashtech Chokering with Dome  CR1537

43602  GRAND TURK
 M001                               Mark SKI 1952
 M002               7068            Mark SLR

49901  WRIGHTWOOD
 M001                    TABL       TABLE MOUNTAIN/SCRIPPS TETRAPOD MONUMENT

49902  MOUNT LEE
 M001                    LEEP       SCIGN GPS MARKER

49903  HOLLYDALE
 M001                    HOLP       SCIGN GPS MARKER

49904  DURMID HILL
 M001                    DHLG       PGGA GPS MARKER /HOLE IN STAINLESS STEEL ROD

49905  PACIMA
 M001                    DAM1       SCIGN GPS MARKER/THREADED ROCK PIN
 M002                    DAM2       SCIGN GPS MARKER/BUILT PIER
 M003                    CMP9       FIRE CAMP 9/ SCIGN GPS MARKER /THREADED ROCK
                                    PIN

49906  CLAREMONT
 M001                    CLAR       SCIGN GPS MARKER/DRIVEN-ROD

49907  SOLOMONS ISLAND
 S001                    SOL1       DM T ANTENNA /BPA

49908  ANNAPOLIS
 S001                    USNA       DM T ANTENNA /BPA
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49909  SAN NICOLAS ISLAND
 S001                    SNI1       DM T ANTENNA / ARP /JPL 4507-S

49910  NORTHRIDGE
 S001                    CSN1       DM T ANTENNA / ARP

49911  AZUSA
 M001                    AZU1       GPS MARKER

49912  TORRANCE
 M001                    TORP       SCIGN GPS Marker/Drilled hole in the vertical
                                    pipe

49913  HORN POINT
 S001                    HNPT       Rogue SNR-12/DM T/ARP/Bottom of Flange
                                    13-DEC-1995

49914  KEYBISCAYNE/MIAMI
 S001                    AOML       BPA/Dorne Margolin T  148

50103  CANBERRA
 M106              7843             Orroral/center ground mark 7843
 M107                    ORRO       Orroral/Mark AU005/PLATE ON COLLIMATION TOWER
 M108                    TIDB       Tidbinbilla/SPC40 (AU017) (JPL 4002 - S 1992)
 M109                               Tidbinbilla/NM/C/194
 M110                               Tidbinbilla/NM/C/196
 M111                               DORIS mark
 S001              1543             DSS43 Antenna
 S003              7943             SAO-3 fixed laser
 S005              1542             DSS42 Antenna
 S006              1544             DSS44 Antenna
 S007              7843             NLRS (coude mirror 7)
 S008              7843             NLRS (coude mirror 7)
 S010              1545             DSS45 Antenna
 S012                               Tidbinbilla/ROGUE SNR-8/DM R/L1
                                    20-MAR-90-03-FEB-92
 S013                               Orroral/TRIMBLE SST /L1
 S014                               Tidbinbilla/ROGUE SNR-8/DM R/L1
                                    03-FEB-92-10-MAY-92
 S015                               Tidbinbilla/ROGUE SNR-8/DM R/L1 11-MAY-92-
 S016                               Orroral/ASHTECH/L1 15-MAY-92-
 S017                               Tidbinbilla/ROGUE SNR-8/DM R/Bottom of the
                                    choke ring 11-MAY
 S018                               Orroral/ASHTECH/Bottom antenna 15-MAY-92-
 S019                               Tidbinbilla/ROGUE SNR-8/DM R/Top of the choke
                                    ring 20-MAR-90
 S020                    DS40       Tidbinbilla/ROGUE SNR-8/DM R/Bottom of the
                                    choke ring 20-MAR
 S021                    DS41       Tidbinbilla/ROGUE SNR-8/DM R/Bottom of the
                                    choke ring 03-FEB
 S201                         ORRA  DORIS 1 antenna ref. pt. (Alcatel type)
 S202                         ORRB  DORIS 2 antenna ref. pt.

50106  SMITHFIELD
 S005                               GPS DMA TI4100 / L1

50107  YARRAGADEE
 M001              7090             MOBLAS 7090 brass disk
 M004                    YAR1       Mark RM-4
 S005                               ROGUE SNR-8/DM R/L1 15-DEC-90 -
 S006                         YARA  DORIS antenna ref. pt (Alcatel type)
 S009              7847             PSLR
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50108  PARKES
 S001              7202                 64-m Radiotelescope Ref. point

50116  HOBART
 M001                                   West pillar
 M002                                   North pillar
 M003                    HOB1           U-Chanel plate
 M004                    HOB2           Pillar/stainless steel plate (AU16)
 S002              7242                 VLBI antenna ref. pt.
 S003                                   MINIMAC 2816AT/L1 21-JAN-90 -
 S004                                   MINIMAC 2816AT/Bottom of the antenna

50126  TOWNSVILLE
 M001                                   Pillar on the office building roof
 S002                                   TRIMBLE 4000SST/L1 25-JUL-90 -
 S004                    TOWN           TRIMBLE 4000SST/Bottom of the antenna

50127  COCO ISLANDS
 M001                    COCO           MOMUMENT AU018

50133  PERTH
 M001                    PERT           GPS Mark

50134  DARWIN
 M001                    DARW           GPS Mark

50135  MACQUARIE ISLAND
 M001                    MAC1           pillar/atainless steel plate

50136  JABIRU
 M001                    JAB1           ERISS/MONUMENT AU043

50137  ALICE SPRINGS/TELEGRAPH HILL
 M001                    ALIC           MONUMENT AU012

50138  CEDUNA
 M001                    CEDU           UTAS / MONUMENT AU019

50139  KARRATHA
 M001                    KARR           HARDING DAM TELSTRA TOWER/MONUMENT AU013

50140  TOWNSVILLE/CAPE FERGUSON
 M001                    TOW2           AIMS/MONUMENT AU028

50207  CHATHAM ISLAND
 M001                    CHAT           PILLAR/15CM DIAMETER PLATE

50208  WELLINGTON
 M001                                   Pillar on the DOSLI building roof
 M002                    WEL2           AIRPORT/MONUMENT AUS360
 S001                                   TRIMBLE 4000SST/L1 15-FEB-90 -
 S002                    WELL           TRIMBLE 4000SST/Bottom of the antenna

50209  AUCKLAND
 M001                    AUCK           PILLAR/15CM DIAMETER PLATE

50501  GUAM
 M002                    GUAM           GUAM OBS./ROOF/GUMO 1992-LAMONT-DOHERTY EARTH
                                        OBSERVATORY
 S001                         GUAB      DORIS antenna ref. pt. (Starec type)

50503  AMERICAN SAMOA
 M001              7096                 Mark SLR
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50505  KWAJALEIN ATOLL I
 M001              7092           Mark SLR
 S003              4968           Tardex 26m antenna ref. pt.
 S004                             GPS OCS monitor station

50506  KWAJALEIN ATOLL II
 M001                   KWJ1      GPS MARKER/ROOF MOUNT

50801  SUVA
 M001                   FIJI      UNIVERSITY OF SOUTH PACIFIC/MONUMENT AU361

51001  PORT MORESBY
 S001                        MORA DORIS antenna ref. pt (Alcatel type)

66001  MC MURDO
 M001                   MCMU      GPS mark (MCMGPS) (11-FEB-92 - 31-OCT-93)
 M003                   MCM4      GPS MARK new location
 S001                             ROGUE SNR-8/DM R/L1 11-FEB-92/31-OCT-93
 S006                   MCM2      ROGUE SNR-8/DM R/ARP 31-OCT-93 - ?

66004  MAWSON STATION
 M001                   MAW1      MONUMENT AUS64

66006  SYOWA
 M001                             DORIS mark
 M002                             SCAR mark
 S001                        SYOB DORIS antenna ref. pt. (Starec type)

66007  ROTHERA
 M001                             GAP 1995 mark
 S001                        ROTA DORIS 1 antenna ref. pt. (Alcatel type)

66008  O'HIGGINS
 M001                   OHIG      METAL PLATE/PILLAR K5
 M002                             BOLT/PILLAR K5
 S001             7245            9-m VLBI antenna

66010  DAVIS
 M001                   DAV1      pillar/atainless steel plate (AUS99)

66011  CASEY
 M001                   CAS1      pillar/atainless steel plate (AUS100)

91201  KERGUELEN
 M002                   KERG      IGNF BRASS MARK RBGM
 S002                        KERA DORIS antenna ref. pt (Alcatel type)
 S003                        KERB DORIS antenna ref. pt. (Starec type)

91401  AMSTERDAM
 M001                             DORIS 1 mark
 M002                             DORIS 2 mark on pillar
 M003                             NIVMER pillar
 S001                        AMSA DORIS 1 antenna ref. pt. (Alcatel type)
 S002                        AMSB DORIS 2 antenna ref. pt. (Starec type)

91501  ILE DES PETRELS
 M001                             Plate/GPS pillar (SCAR 95)
 S001                        ADEA DORIS antenna ref. pt (Alcatel type)

92201  PAPEETE (TAHITI)
 M003                   PAMA      IGN brass mark
 M006                   TAHI      12 MM DOMED MARK UGP1
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 S003                                ASHTECH/L1 22-JAN-91 - 13-FEB-91-
 S004                                ROGUE SNR-8/DM R/L1 01-JAN-92
 S007                           PAPB DORIS antenna ref. pt. (Starec type)

92202  HUAHINE ( MOTU HIUMOO )
 M001                                Tube Huahine no. 5
 M002                7121            MOBLAS-1 7121-1982 standard NASA disk
 M003                7123            TLRS-2 7123 CSR reference
 M004                7123            TLRS-2 7123 standard NASA disk
 M005                                Mark RM-1
 S008                                ASHTECH/L1 22-JAN-91 - 13-FEB-91
 S009                           HUAA DORIS antenna ref. pt (Alcatel type)

92403  RAPA
 M001                                DORIS mark
 S001                           RAQB DORIS 2 antenna ref. pt. (Starec type)

92701  NOUMEA
 M002                                DORIS mark
 M003                      NOUM      Center of stainless steel plate fixed to the
                                     top of 4" steel pillar
 S001                           NOUA DORIS antenna ref. pt (Alcatel type)

92901  WALLIS
 M001                                DORIS mark
 S001                           WALA DORIS antenna ref. pt (Alcatel type)

97101  LE MOULE
 M001                                RBGM / Borne
 S001                                ASHTECH/L1 22-JAN-91 - 13-FEB-91

97301  KOUROU
 M201                                Pillar Diane I (84)
 M210                      KOUR      Mark at the center of a horizontal metal plate
                                     embedded on the concrete monument
 M401                                DORIS 2 mark
 S001                                ASHTECH/L1 22-JAN-91 - 13-FEB-91
 S004                           KRUB DORIS antenna ref. pt. (Starec type)
 S005                           KRUA DORIS 1 antenna ref. pt (Alcatel type)

97401  LA REUNION
 M002                                DORIS mark
 S001                           REUA DORIS antenna ref. pt (Alcatel type)
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