



IERS TECHNICAL NOTE 9

**ITRF 90 and other realizations of the
IERS Terrestrial Reference System for 1990**

C. Boucher, Z. Altamimi

**Institut Géographique National
Terrestrial Frame Section
Central Bureau of IERS**

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**Central Bureau of IERS - Observatoire de Paris
61, avenue de l'Observatoire
F-75014 PARIS - France**

IERS Technical Notes

This series of publications gives technical information related to the IERS activities, e.g. reference frames, excitation of the Earth rotation, computational or analysis aspects, models, etc. It also contains the description and results of the analyses performed by the IERS Analysis Centres for the Annual Report global analysis.

Back issues

- No 1 : C. Boucher and Z. Altamimi. The initial IERS Terrestrial Reference Frame.
- No 2 : Earth orientation and reference frame determinations, atmospheric excitation functions, up to 1988 (Annex to the IERS Annual Report for 1988). *[No longer available, superseded by N.T. No 5].*
- No 3 : D.D. McCarthy (ed). IERS Standards (1989)
- No 4 : C. Boucher and Z. Altamimi. Evaluation of the realizations of the Terrestrial Reference System done by the BIH and IERS (1984-1988).
- No 5: Earth orientation and reference frame determinations, atmospheric excitation functions, up to 1989 (Annex to the IERS Annual Report for 1989). *[Superseded by N.T. No 8].*
- No 6 : C. Boucher and Z. Altamimi. ITRF89 and other realizations of the IERS Terrestrial Reference System for 1989.
- No 7 : E.F. Arias, M. Feissel and J.-F. Lestrade. The IERS extragalactic Celestial Reference Frame and its tie with HIPPARCOS.
- No 8: Earth orientation and reference frame determinations, atmospheric excitation functions, up to 1990 (Annex to the IERS Annual Report for 1990).
- No 9 : C. Boucher and Z. Altamimi. ITRF90 and other realizations of the IERS Terrestrial Reference System for 1990.

Future issues

- D.D. McCarthy (ed.). IERS Standards (1992).
- C. Boucher and Z. Altamimi. The IERS GPS Terrestrial Reference Frame.

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This report contains a detailed description of the IERS products related to the Terrestrial Reference System for the period of the IERS Annual Report for 1990.

This description intends to be the continuation of the previous reports: the IERS Technical Note 4 and 6. In particular, methodological presentation will be followed here.

1) INPUT DATA

1.1) Sites included

The list of sites considered in the 1990 solution is given in Table T1 of the appendix.

A more detailed list of points and marks for these sites is also provided by the Table T2 of the appendix.

Table T3 also gives a summary of the occupancies of these sites by SLR, LLR, or VLBI instruments. We have distinguished the IERS sites into the following data sets:

- 1) colocation (at least two techniques)
- 2) multiple SLR (simultaneous or successive)
- 3) single SLR
- 4) multiple VLBI (simultaneous or successive)
- 5) single VLBI

1.2) Input data sets

The data sets received for the 1990 solution and included in the global combination performed by the ITFS, under the label ITRF90 are summarized in Table 1.

Distribution of corresponding coordinates for each solution are given in Table T4 of the appendix.

1.3) Description of individual data sets

For all solutions, no permanent tidal correction has been performed, and the adopted velocity of light is $c = 299792458 \text{ m s}^{-1}$.

As the formal errors σ_f provided by the analysis centers are in most cases too optimistic, the input errors σ are adopted according the following formula:

$$\sigma = \sqrt{A^2 + B^2 \sigma_f^2} \quad (1)$$

where A is an additive variance and B is a factor. Figures 1 to 13 show for all the solutions, the histograms of the formal errors and those after applying the previous formula.

1.3.1) GSFC VLBI solution

Identifier : SSC(GSFC) 91 R 02, also named GLB718

Model : CALC-7 software, with local earth relativistic scale (Hellings model).

Adjusted parameters :

X,Y,Z and $\dot{X}$, $\dot{Y}$, $\dot{Z}$ of stations with sufficient data

Constraints for the CTS :

- Westford X,Y,Z fixed at a nominal value on Oct 17 1980,
- ERP fixed on Nov 6 1986 at BIH Circular D values,
- Westford velocities fixed at AMO-2 values,
- Westford-Richmond azimuth moving with AMO-2 value

Raw data :

Yearly values of positions were available, with formal errors (from 1979 to 1992).

Input data (RG) :

The 1988 values, with formal errors modified using the formula (1) with $A = 0.5$ cm and $B = 1.5$.

1.3.2) NGS VLBI solution

Identifier : SSC(NGS) 91 R 01

Model : CALC software, with Hellings relativistic model

Adjusted parameters:

Positions at 1988.0 and velocities (except for stations with short time span)

Constraints for the CTS :

- Westford velocity at AMO-2 value

- ERP fixed at 1985 Oct. 25 and 1990 Jan. 27

Raw data :

1988 positions and velocity change with respect to AM0-2 for sites with sufficient data, with formal errors

Input data (RN) :

The 1988 values, with formal errors modified using the formula (1) with $A = 0.5$ cm and $B = 1.5$.

1.3.3) USNO VLBI solution

Identifier : SSC(USNO) 91 R 02

Model : Motion with AM0-2 model

Adjusted parameters: X, Y, Z at Oct 17 1980

Constraints for the CTS :

- Richmond position fixed at ITRF89 value
- fixed AM0-2 motion

Raw data : X, Y, Z and formal errors

Input data (R0) :

X, Y, Z transformed at 1988.0 with AM0-2. Formal errors modified with $A = 0.5$ cm and $B = 1.5$

1.3.4) JPL VLBI solution

Identifier : SSC(JPL) 91 R 01, also named 1991-1

Model : Masterfit software. Motion with AM0-2 model

Adjusted parameters: X, Y, Z at 1988.0

Constraints for the CTS :

- six constraints (with 1 cm uncertainty) : 3 translations and 3 rotations between 1991-1 and ITRF88
- fixed AM0-2 motion

Raw data : X, Y, Z and formal errors

Input data (RJ) :

X, Y, Z, with formal errors modified with $A = 1$ cm and $B = 1.0$

1.3.5) CSR SLR solution

Identifier : SSC(CSR) 91 L 03

Model : Most sites fixed to AM0-2 velocities, sites in deformation zones adjusted. $GM = 398600.4415 \text{ km}^3/\text{s}^2$

Adjusted parameters: X, Y, Z at 1988.0 and velocity change with respect to AM0-2 for sites in deformation zones.

Constraints for the CTS :

- system oriented to agree with IERS combined in a mean sense over period 1984 - 1988,
- fixed AM0-2 motion for most of sites

Raw data : X, Y, Z, velocity change to AM0-2 for selected sites and formal errors

Input data (LG) :

X, Y, Z at 1988.0 with formal errors modified with $A = 1.5 \text{ cm}$ and $B = 1.0$.

1.3.6) GSFC SLR solution

Identifier : SSC(GSFC) 91 L 01

Model : Motion with AM0-2 model, $GM = 398600.4408 \text{ km}^3/\text{s}^2$

Adjusted parameters: X, Y, Z at January 15 1983

Constraints for the CTS :

- latitude and longitude of 7105, the latitude of 7210, and the longitude of 7907 were fixed
- apriori values of ERP from SL7
- fixed AM0-2 motion

Raw data : X, Y, Z and formal errors

Input data (LG) :

X, Y, Z with formal errors modified with $A = 1.5 \text{ cm}$ and $B = 3.0$

1.3.7) DGFII SLR solution

Identifier : SSC(DGFII) 91 L01

Model : DOGS software, $GM = 398600.4394 \text{ km}^3/\text{s}^2$

Adjusted parameters: X, Y, Z, and horizontal velocities

Constraints for the CTS :

- forcing of rotation angles between initial and adjusted coordinates of 10 stations to become zero in the average
- rotation drift rates around the three coordinate axes are forced to become zero with respect to a given set of AMO-2 horizontal station position drift rates

Raw data : X, Y, Z at a given epoch for each station with error estimate
and $\lambda \cdot \cos(\phi)$, ϕ

Input data (LD) :

X, Y, Z transformed at 1988.0 with their velocities and the formal errors modified with A = 1.5 cm and B = 3.0

1.3.8) DUT SLR solution

Identifier : SSC(DUT) 91 L 01

Model : GEODYN-II software, estimation of station motions,

$$GM = 398600.4360 \text{ km}^3/\text{s}^2$$

Adjusted parameters: X, Y, Z, and velocities

Constraints for the CTS :

- ERP a priori values from IERS Bulletin B
- non-rotating Eurasian tectonic plate

Raw data : X, Y, Z at 1988.0 and $\dot{X}$, $\dot{Y}$, $\dot{Z}$

Input data (LU) :

X, Y, Z at 1988.0 with formal errors modified with A = 1.5 cm and B = 0.3

1.3.9) ZIPE SLR solution

Identifier : SSC(ZIPE) 91 L 01

Model : POTSDAM-5 software. Motion with AMO-2 model, $GM = 398600.440 \text{ km}^3/\text{s}^2$

Adjusted parameters: r, λ , ϕ at 1988.0

Constraints for the CTS :

- latitude fixed for stations 7105, 7840
- longitude fixed for station 7105
- fixed AMO-2 motion

Raw data : X, Y, Z and formal errors

Input data (LZ) :

X, Y, Z with formal errors modified with A = 1.5 cm and B = 3.0

1.3.10) GAOUA SLR solution

Identifier : SSC(GAOUA)91 L 02

Model : KIEV-GEODYNAMICS - 3 software. Motion with AM1-2 model,

$$GM = 398600.440 \text{ km}^3/\text{s}^2$$

Adjusted parameters: X, Y, Z at 1988.0

Constraints for the CTS :

- fixed AM1-2 motion
- ERP values from IERS Bulletin B

Raw data : X, Y, Z and formal errors

Input data (LK) :

X, Y, Z and formal errors modified with A = 2.5 cm and B = 2.0

1.3.11) NAL SLR solution

Identifier : SSC(NAL) 91 L 01

Model : COSMOS software, motion with AM0-2 model, $GM = 398600.44089 \text{ km}^3/\text{s}^2$

Adjusted parameters: X, Y, Z at 1988.0

Constraints for the CTS :

- latitude and longitude of 7105 and latitude of 7907 fixed
- fixed AM0-2 motion
- ERP values from IERS Bulletin B

Raw data : X, Y, Z and formal errors

Input data (LT) :

X, Y, Z and formal errors modified with A = 1.5 cm and B = 3.0

1.3.12) UT/McD LLR solution

Identifer : SSC(UTXMO)91 M 01

Model : Motion with AM0-2 model, $GM = 398600.4440 \text{ km}^3/\text{s}^2$

Adjusted parameters: lambda, phi, h at 1984.0

Constraints for the CTS :

- fixed AM0-2
- ERP fixed at 1985 Jan. 11 to CSR LGN7692 series

Raw data : X, Y, Z and formal errors

Input data (MX) :

X, Y, Z transformed at 1988.0 with AM0-2. Formal errors modified with
A = 1.5 cm and B = 0.2.

1.3.13) JPL LLR solution

Identifer : SSC(JPL) 91 M 01

Model : Motion with AM0-2 model

Adjusted parameters: X, Y, Z at 1988.0

Constraints for the CTS :

- ERP from 1976 to 1991 taken from a file provided by R. Gross
- fixed AM0-2

Raw data : X, Y, Z without error estimate

Input data (MJ) :

X, Y, Z with 3 cm as error.

Table 1

Input data sets

label	designation	other name
RG90	SSC(GSFC) 91 R 02	GLB718
RN90	SSC(NGS) 91 R 01	
RO90	SSC(USNO) 91 R 02	
RJ90	SSC(JPL) 91 R 01	1991-1
LC90	SSC(CSR) 91 L 03	
LG90	SSC(GSFC) 91 L 01	
LD90	SSC(DGFII)91 L 01	
LU90	SSC(DUT) 91 L 01	
LZ90	SSC(ZIPE) 91 L 01	
LK90	SSC(GAOUA)91 L 02	
LT90	SSC(NAL) 91 L 01	
MX90	SSC(UTXMO)91 M 01	
MJ90	SSC(JPL) 91 M 01	

FIGURE 1 SSC(GSFC) 91 R 02

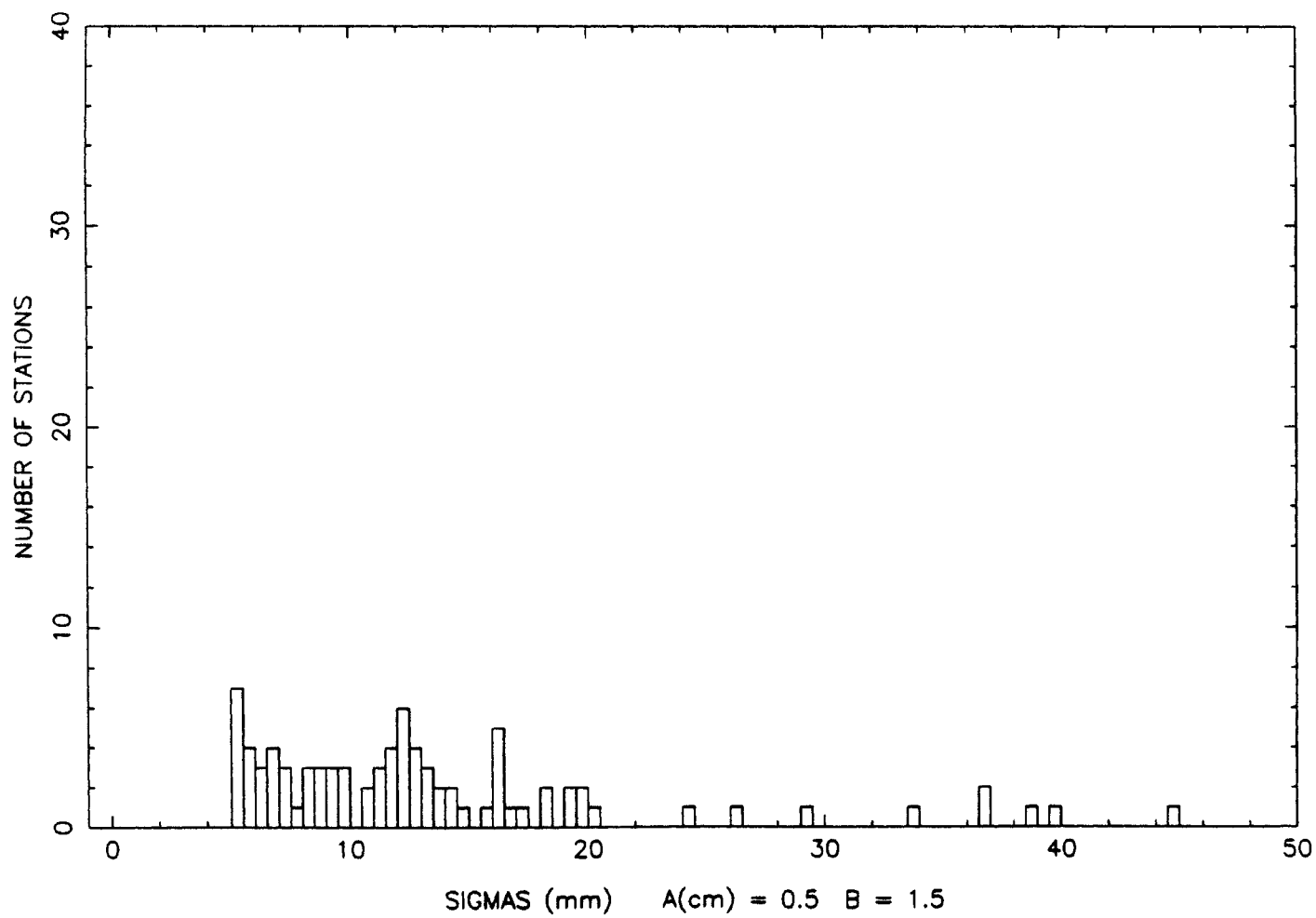
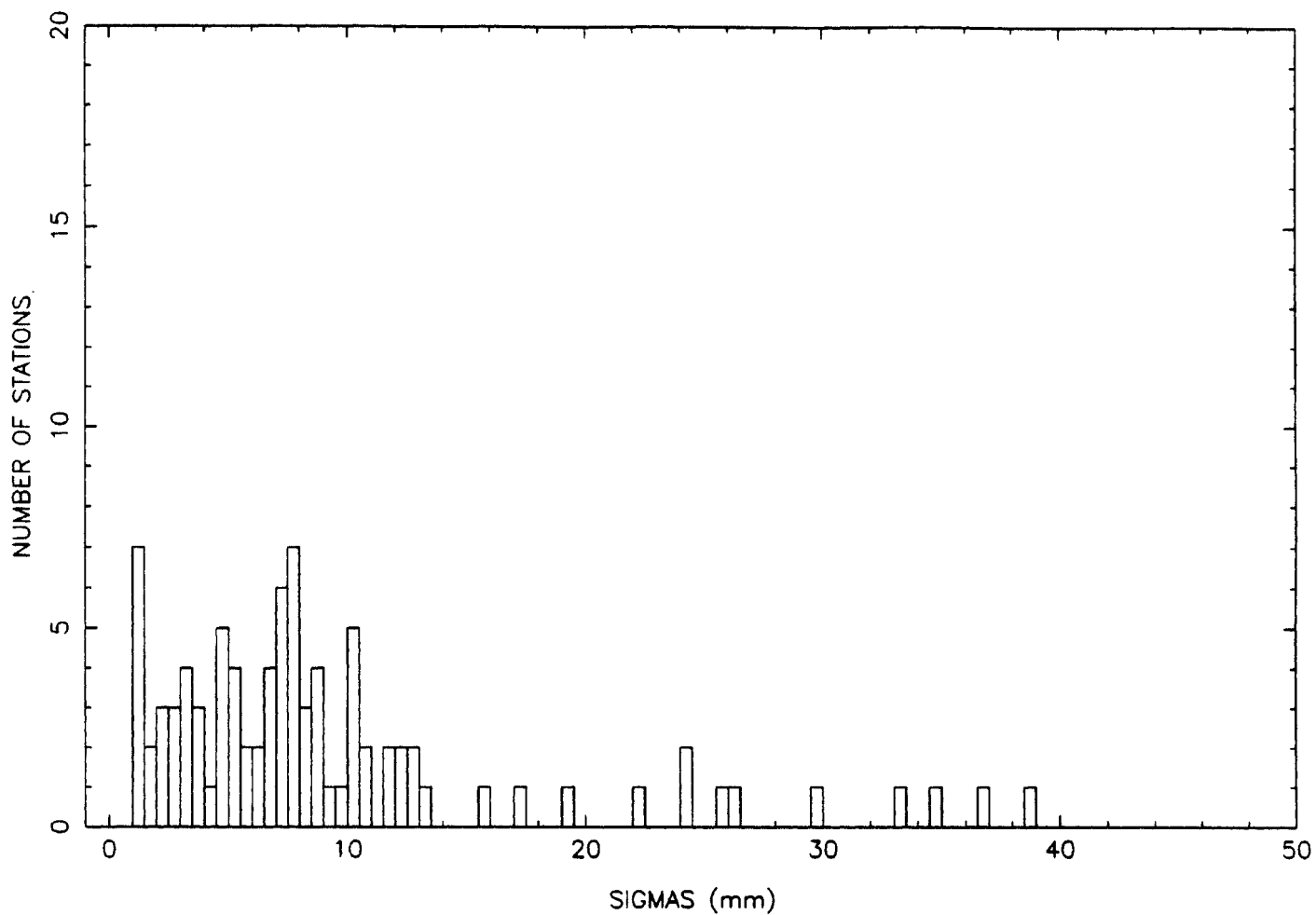


FIGURE 2 SSC(NGS) 91 R 01

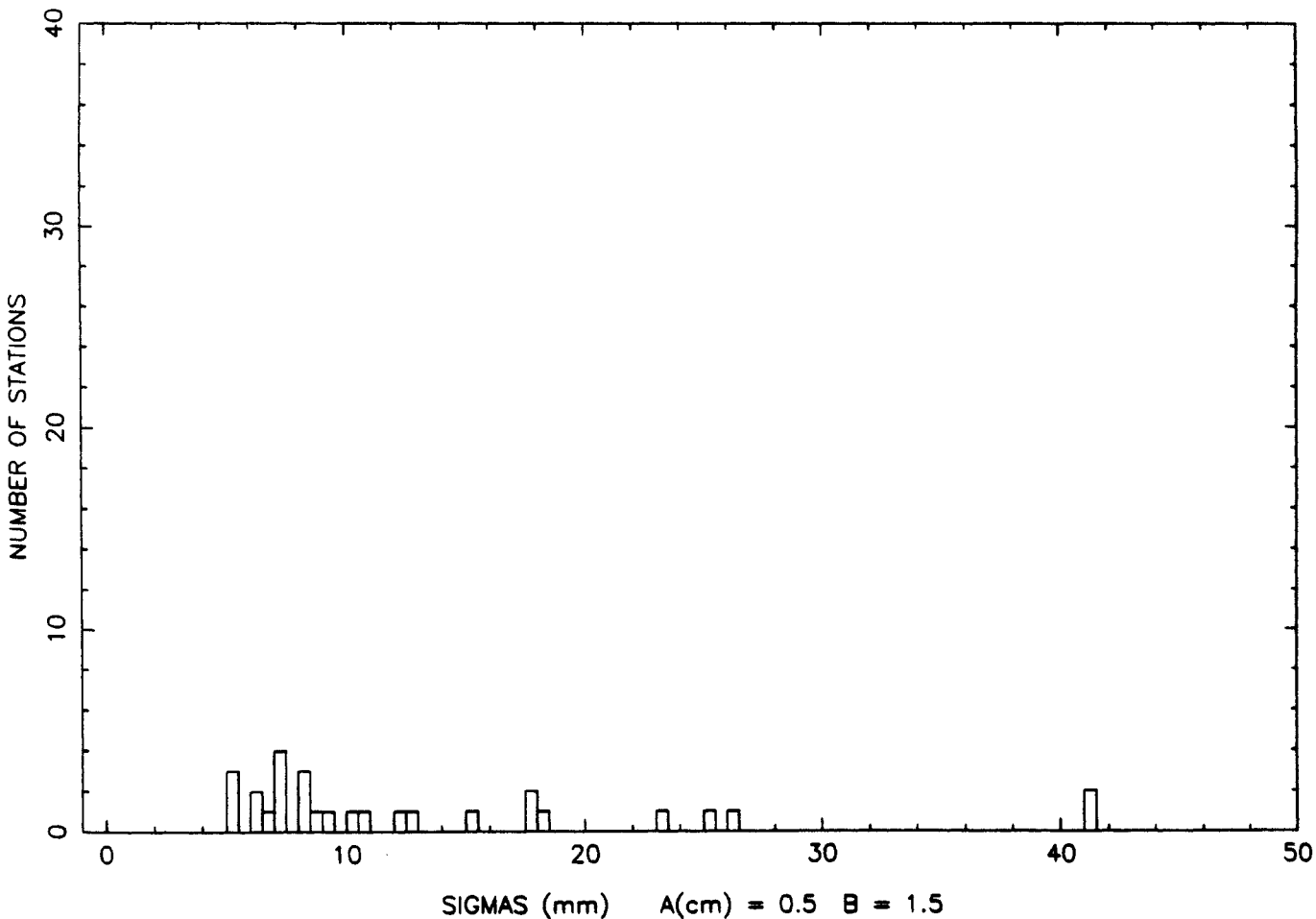
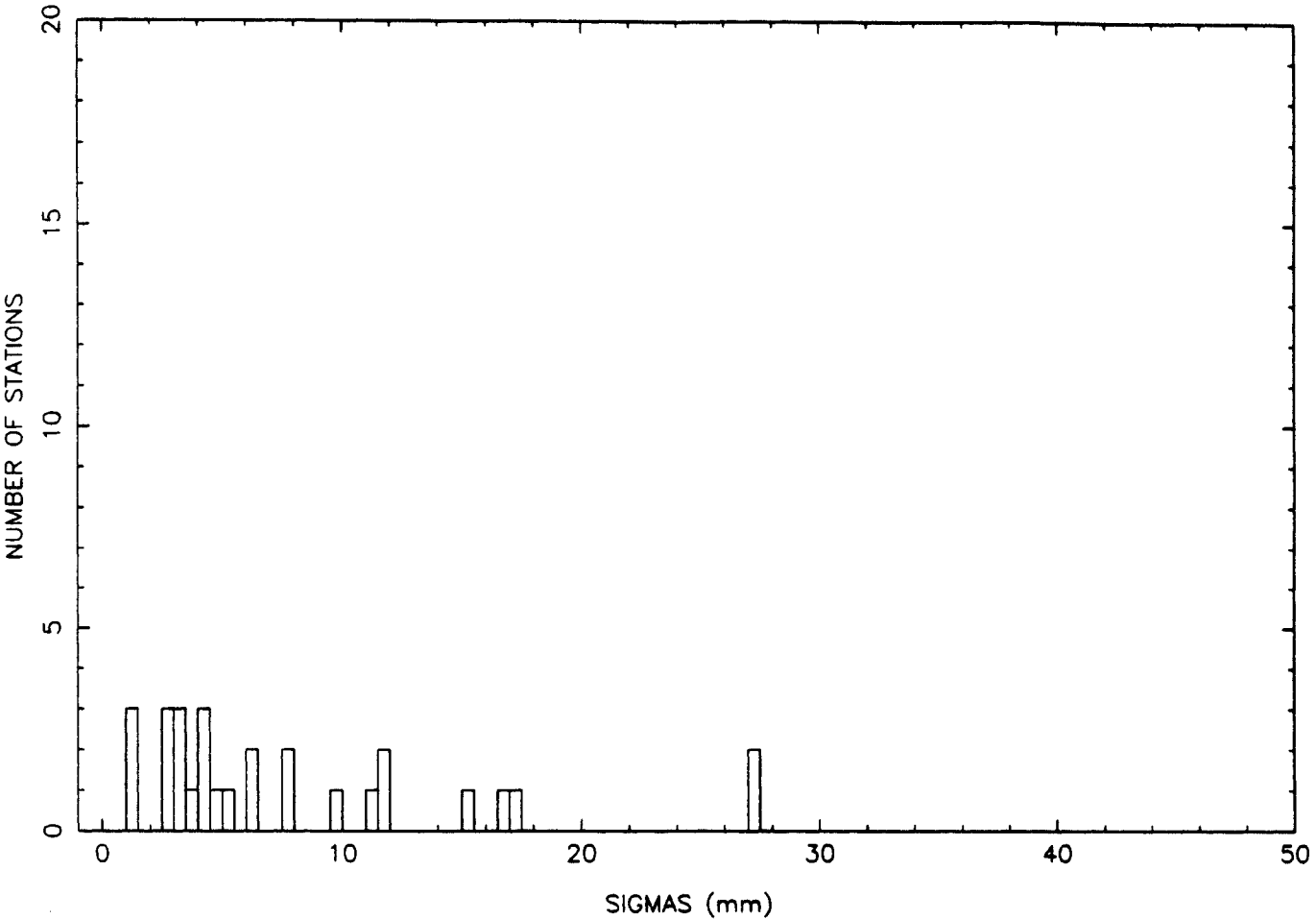


FIGURE 3 SSC(USNO) 91 R 02

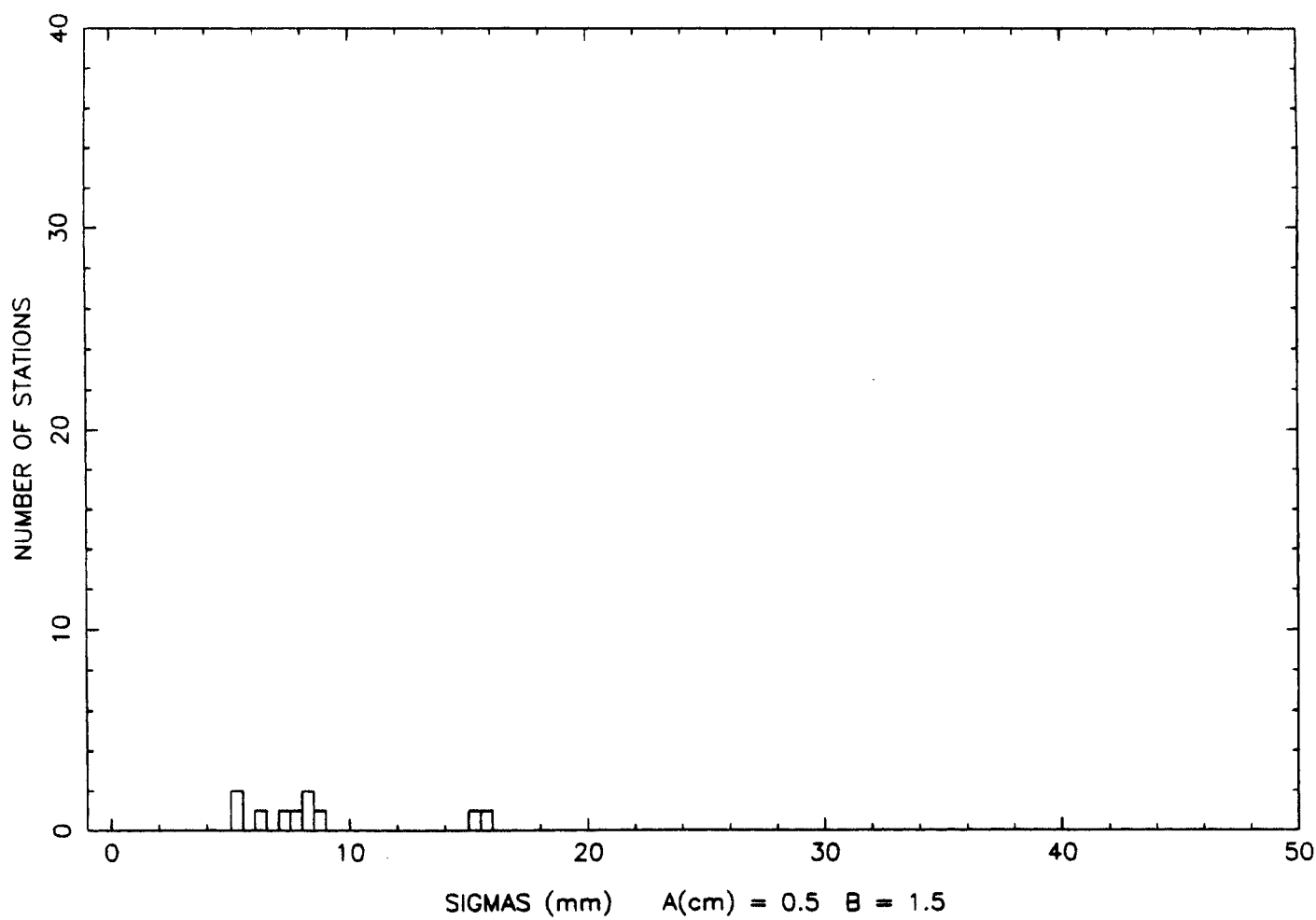
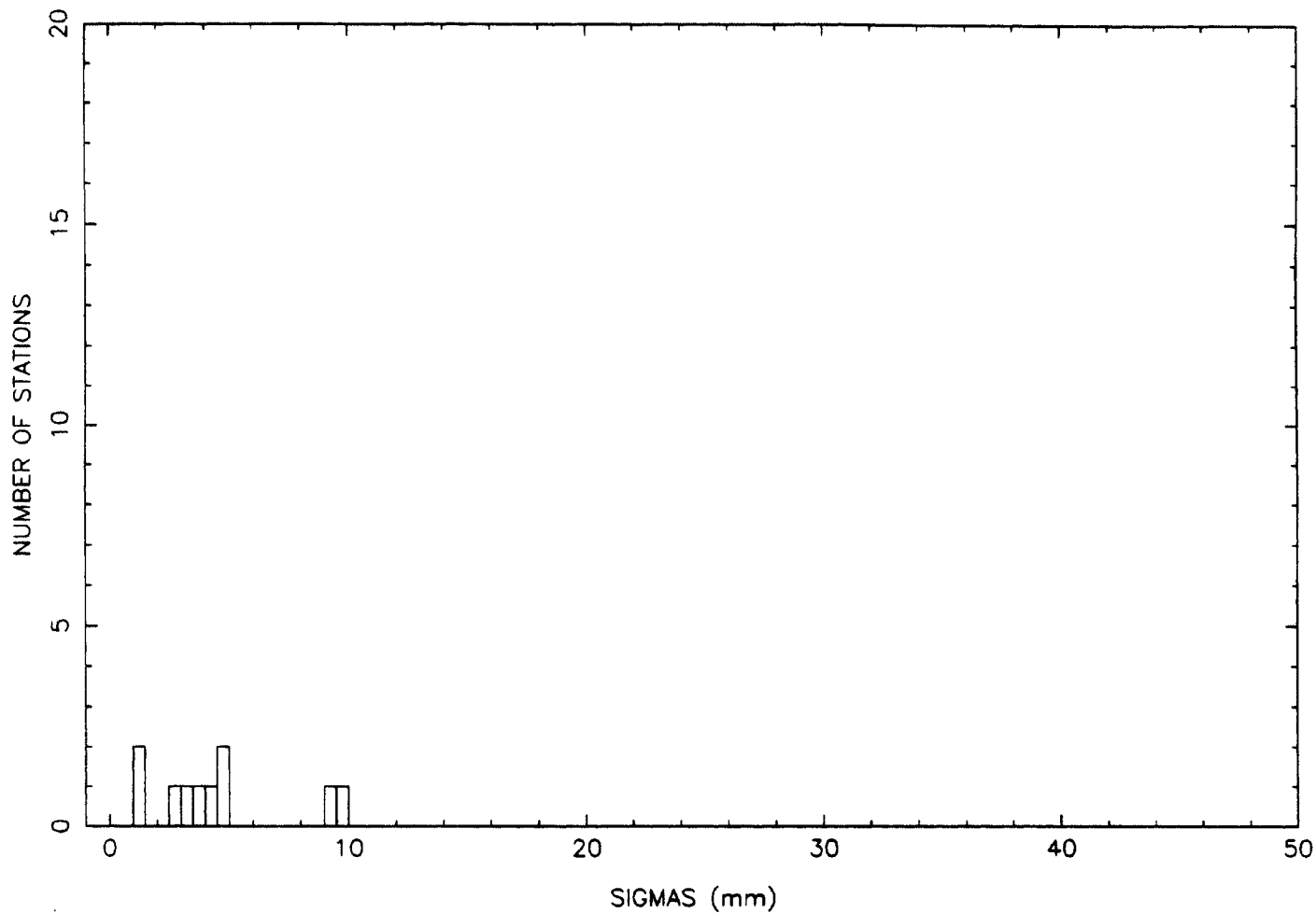


FIGURE 4 SSC(JPL) 91 R 01

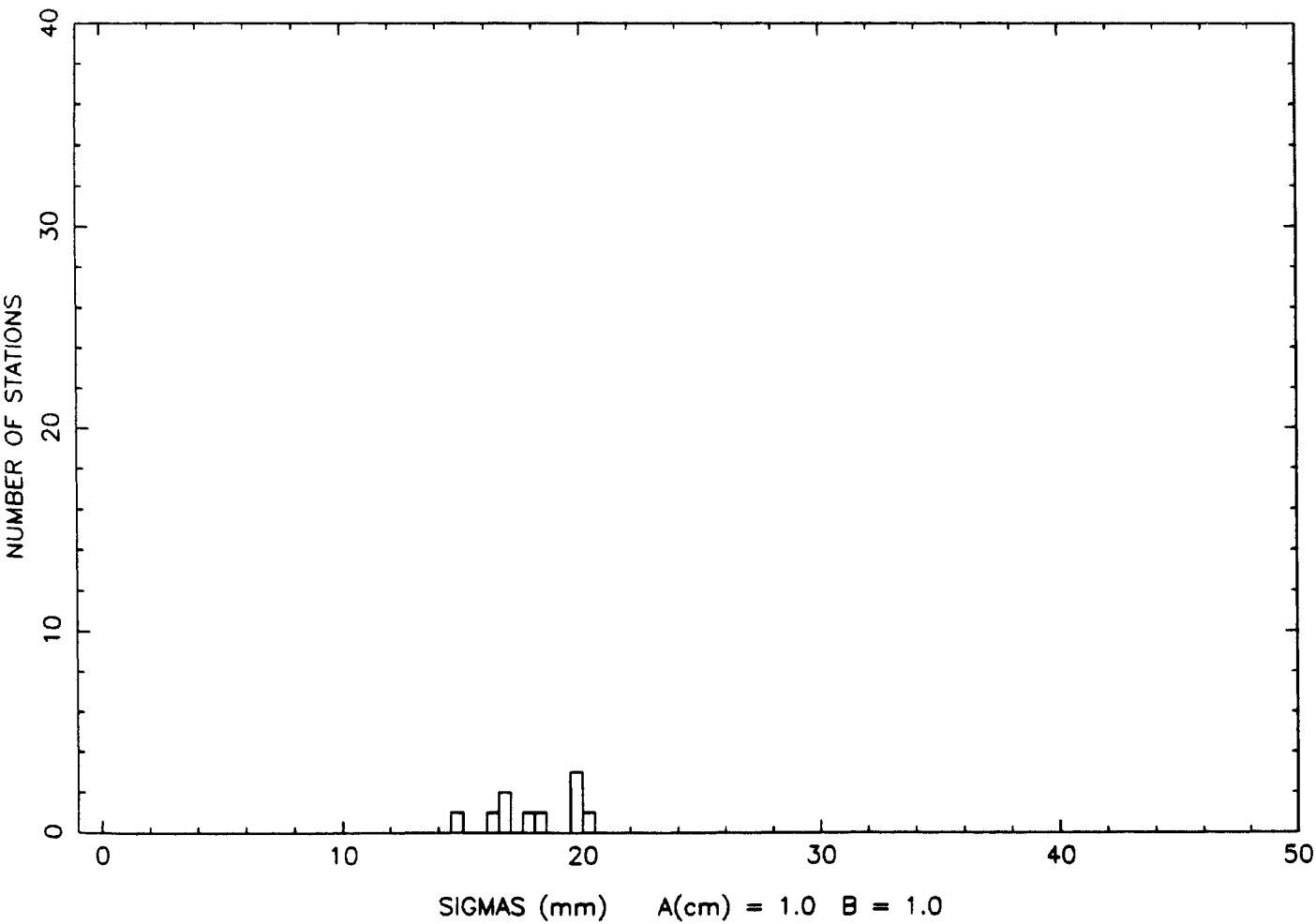
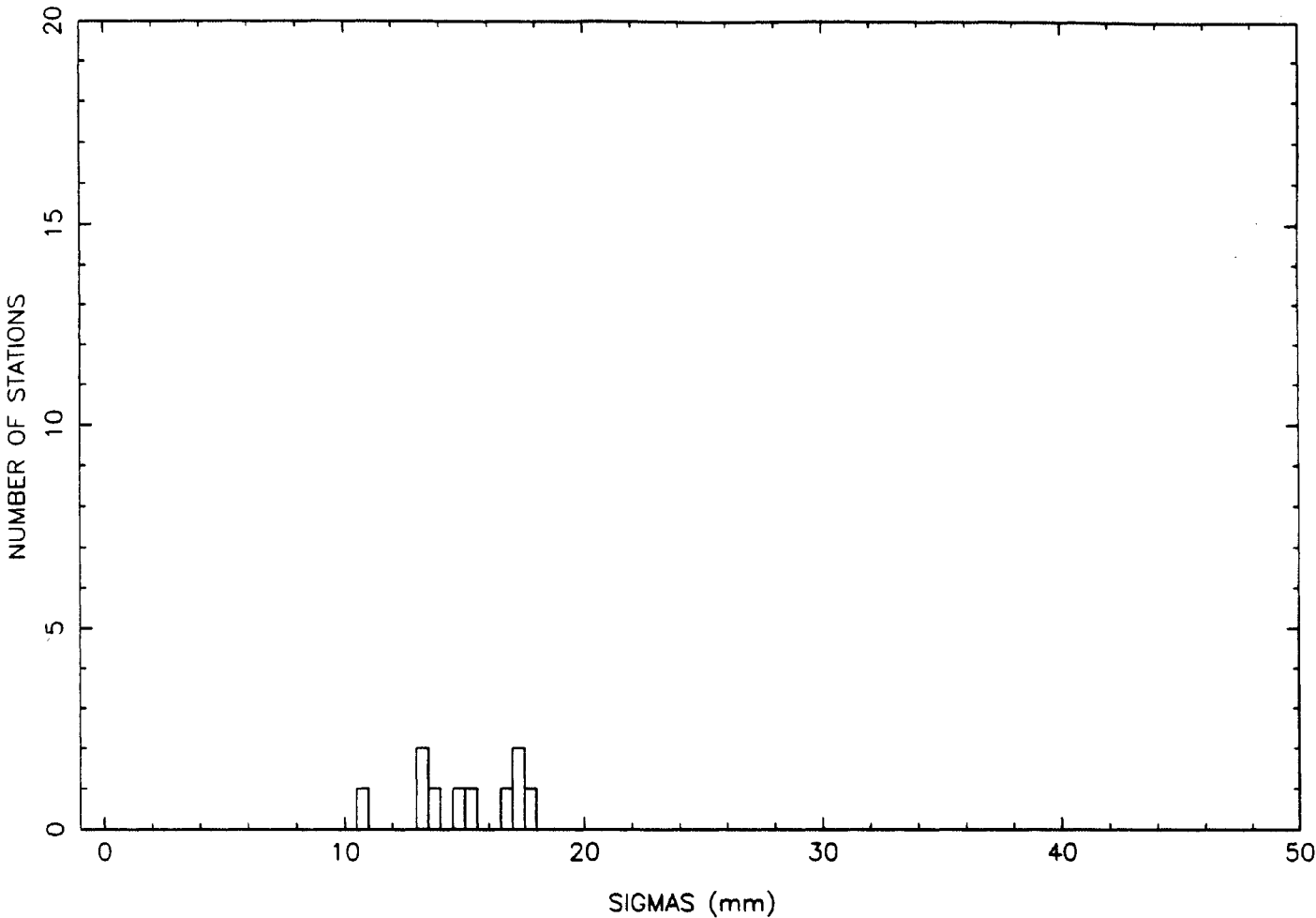


FIGURE 5 SSC(CSR) 91 L 03

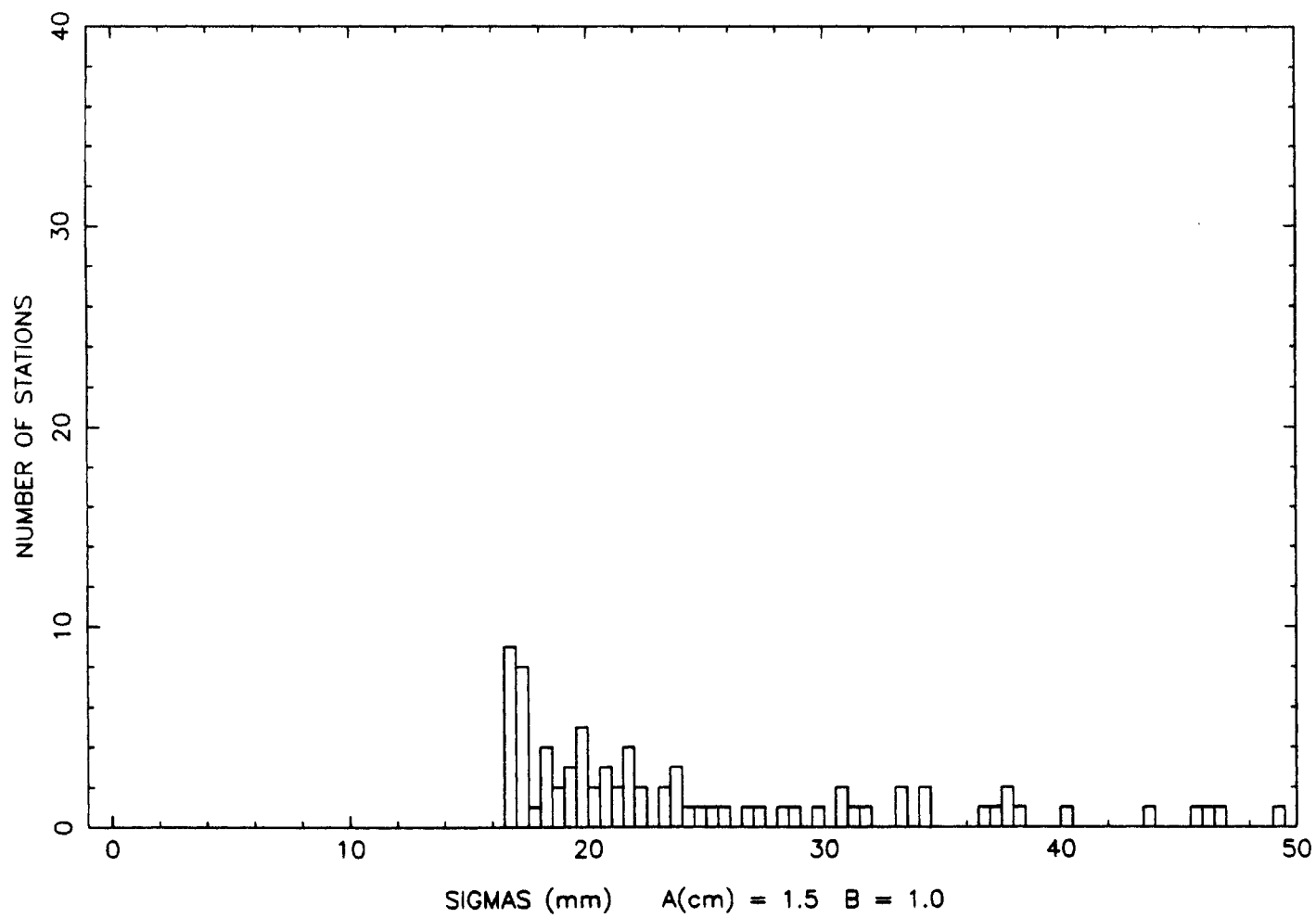
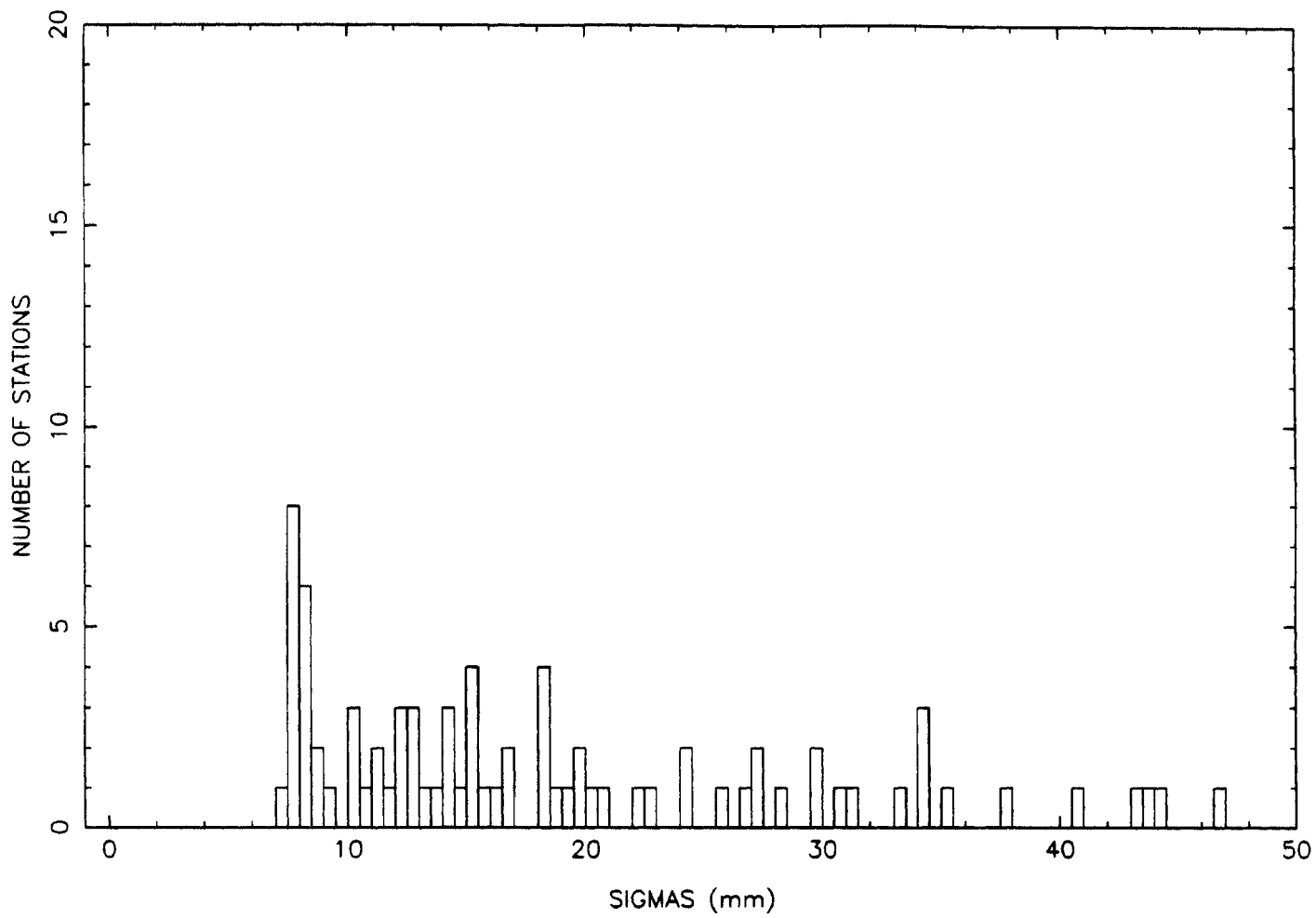


FIGURE 6 SSC(GSFC) 91 L 01

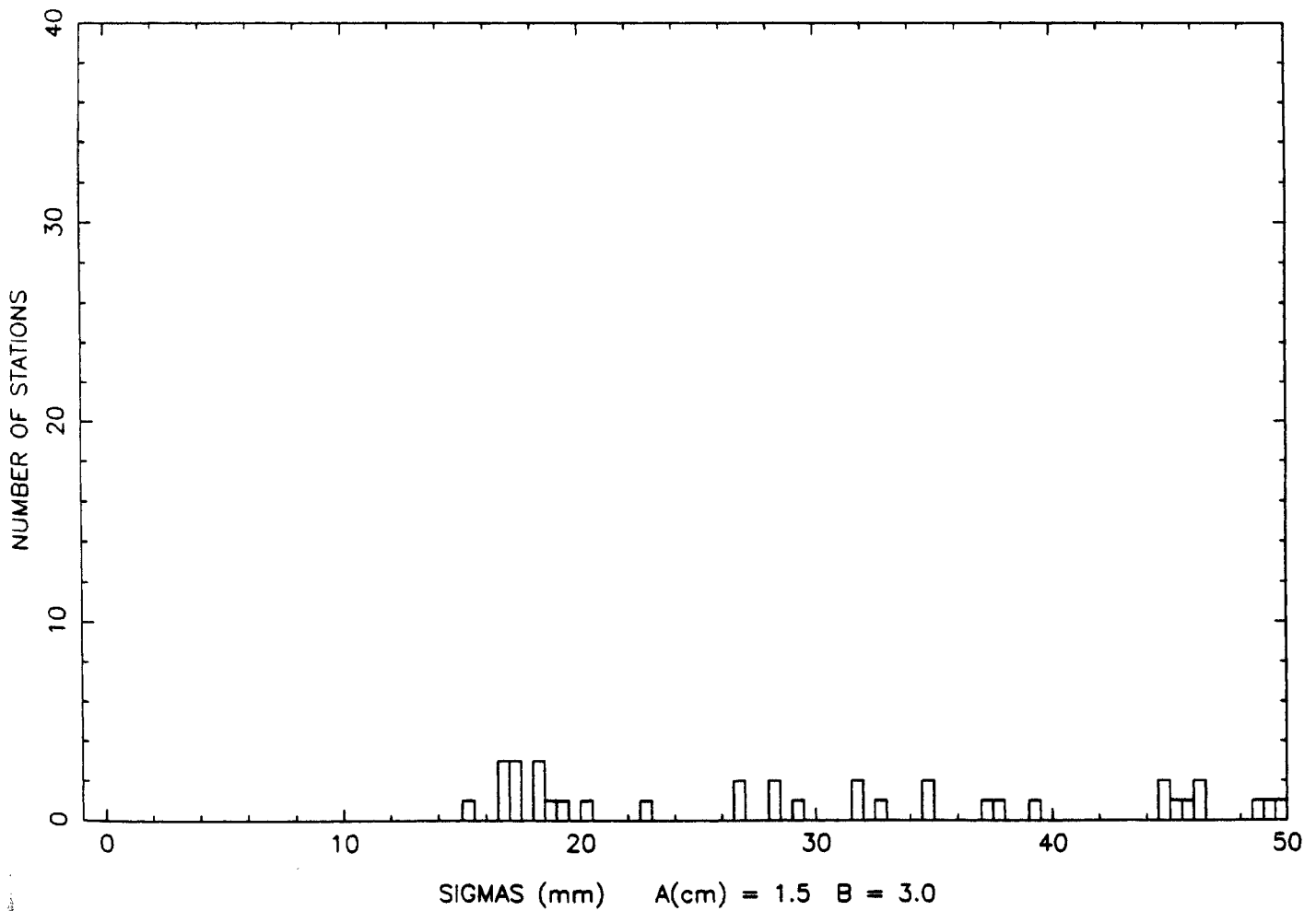
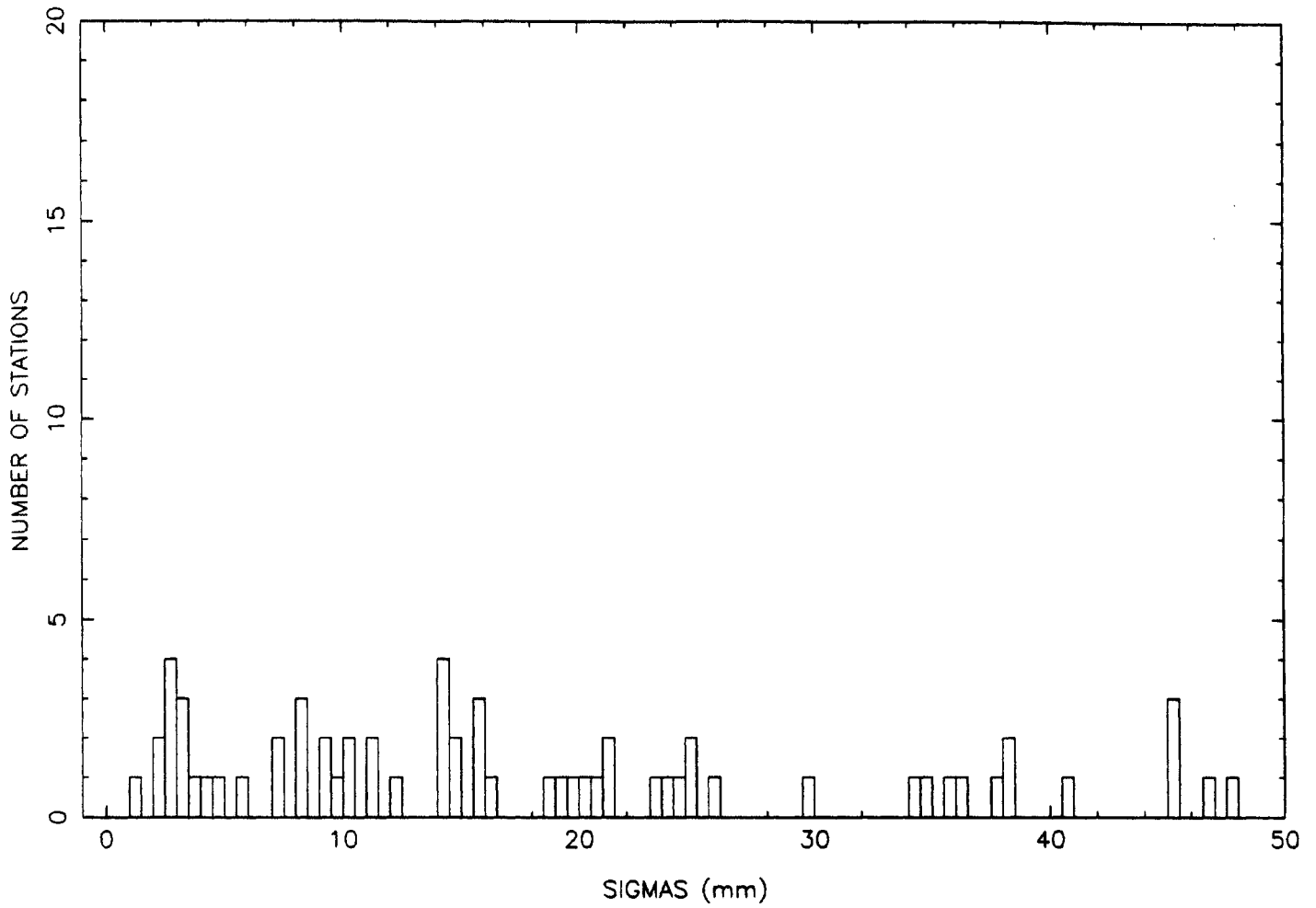
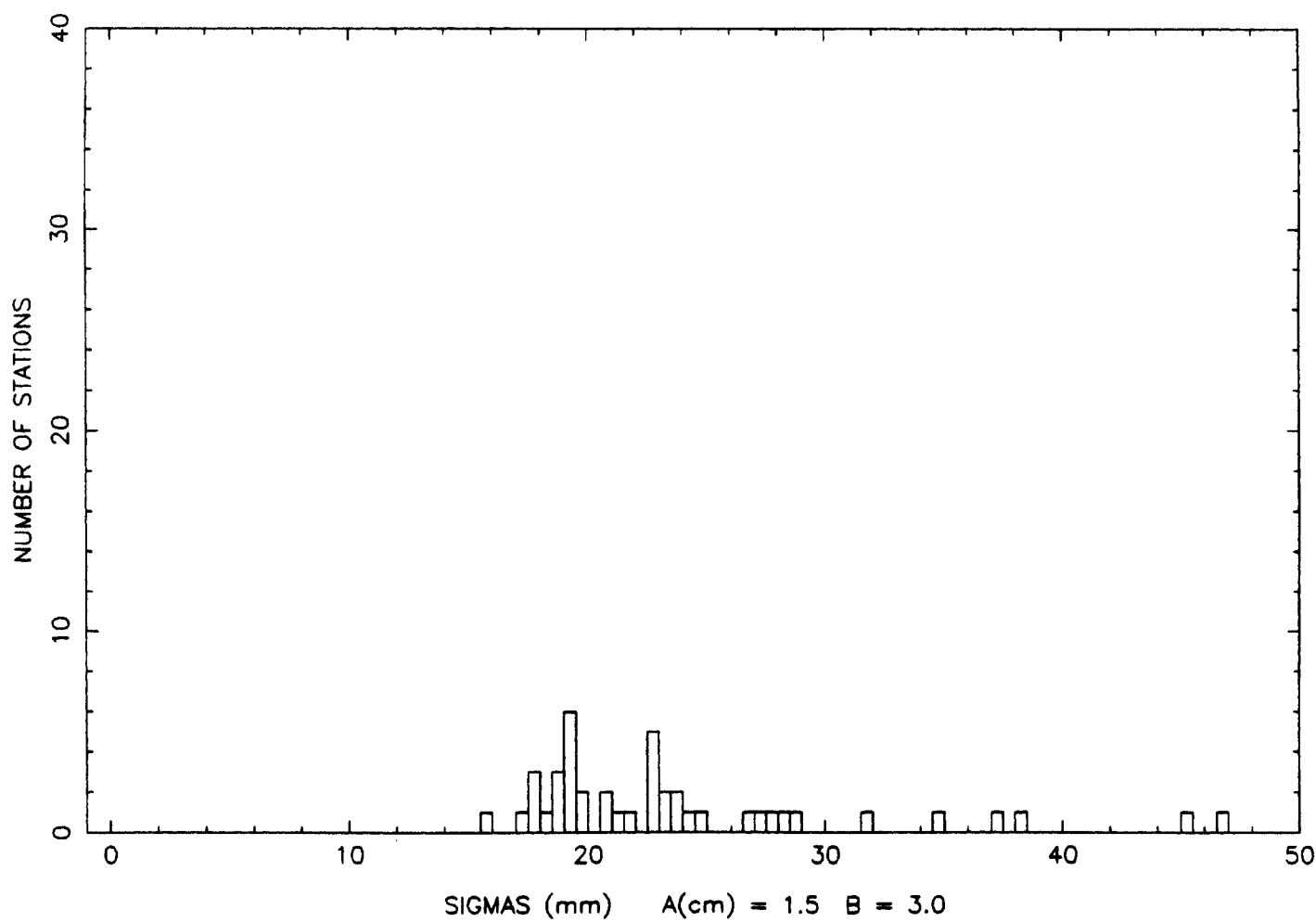
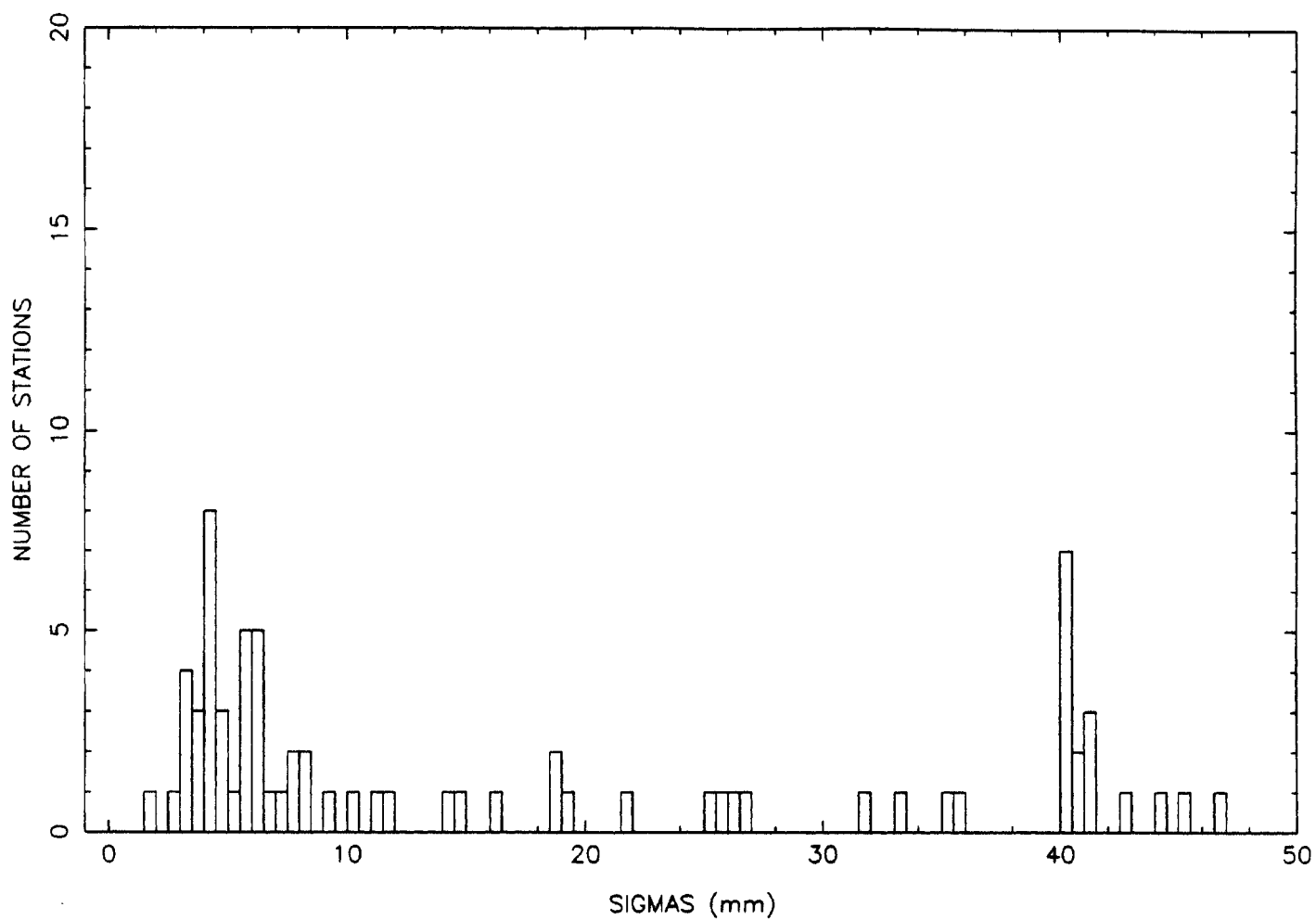


FIGURE 7 SSC(DGFI)91 L 01



1.4) Excentricities

The excentricities used for ITRF90 are given in Table T5 of the appendix.

2) DATA ANALYSIS

The ITRF90 solution consists of a combined adjustment of station positions and transformation parameters for the epoch 1988.0.

The adjustment were performed using the SSCMIX software developed by IGN. The options used were:

- reduction of individual data sets at a common epoch,
- least square estimation of station coordinates and 7 transformation parameters for each solution,
- local surveys used with a priori variances (see 1.4)
- station coordinates used with a priori variances (see 1.3)

It was decided that:

- origin should come from SLR
- scale should also come from SLR noting that the VLBI scale (GSFC and NGS) is now consistent with SLR,
- orientation should be such that no global rotation should exist with respect to ITRF89.

To ensure that, a first global adjustment of all selected data was done, holding the LC transformation parameters fixed to zero. The solution was labelled ITRF90A.

Then ITRF90A was compared to ITRF89 in order to estimate corrections to rotation angles. This comparison has been done incorporating only one point per site. Table 2 gives the transformation parameters between ITRF90A and ITRF89. The global adjustment was finally repeated with LC translation and scale put to zero and rotation angles fixed to the values derived from the previous computation.

Table 2

Comparison ITRF90A - ITRF89
one point per site

T1 cm	T2 cm	T3 cm	D 10^{-8}	R1 0.001"	R2 0.001"	R3 0.001"
-0.5	-2.4	3.8	-0.3	0.2	-0.4	4.3
0.4	0.4	0.4	0.1	0.2	0.2	0.2

As some solutions have derived velocities, we have elaborated two adjustments at the epochs 1984.0 and 1990.0 for these solutions. We fixed in the two adjustments the 7 parameters of LC to zero. We then estimated annual rates of rotation for RG, RN, LD and LU given in Table 3.

Table 3

Orientation rate of change of some solutions

Network	R1 0.001"	R2 0.001"	R3 0.001"
SSC(GSFC) 91 R 02	-0.03 0.26	-0.10 0.20	-0.23 0.17
SSC(NGS) 91 R 01	-0.40 0.26	-0.23 0.26	-0.10 0.20
SSC(DGFII)91 L 01	-0.03 0.17	0.02 0.17	-0.17 0.15
SSC(DUT) 91 L 01	0.37 0.20	0.48 0.17	-0.65 0.15

3) RESULTS

3.1) Values

We have adjusted combined coordinates in the ITRF90 solution for epoch 1988.0. They are given in Table T6 under the label SSC(IERS) 91 C 01. They are also published in Table T3 of the IERS Annual Report for 1990.

As no global velocity field has been adjusted, the AMO-2 model is still valid to estimate positions at other epochs.

The adjusted transformation parameters were published in Table T-2 of the IERS Annual Report for 1990. It is also available in Table T7 of the appendix.

We have also computed for a practical point of view positions for epochs 1984, 1986, 1988, 1990, for both the combined and some individual solutions. For the last solutions, the procedure used is:

a) to compute position at the epoch using values of the individual solution, namely positions at the reference epoch and corresponding velocity.

b) to compute transformation parameters at the epoch from Table T7 and Table 3 values. For this case, corrections for rotation angles will be taken into account only for LU (SSC(DUT) 91 L 01), since the values of the other solutions are negligible.

c) to convert positions to IERS values using this formula.

This is done for :

RG	SSC(IERS) 91 R 01 (84, 86, 88, 90)
RN	SSC(IERS) 91 R 02 (84, 86, 88, 90)
LC	SSC(IERS) 91 L 01 (84, 86, 88, 90)
LG	SSC(IERS) 91 L 02 (84, 86, 88, 90)
LD	SSC(IERS) 91 L 03 (84, 86, 88, 90)
LU	SSC(IERS) 91 L 04 (84, 86, 88, 90)

The coordinate list of these solution is given in Table T9 of the appendix.

3.2) Analysis of results

The factor of unit variance is 1.3. Although it is close to 1, the proper weighting in the combined adjustment is a rather critical and delicate problem.

For a sample of 6 stations covering the Earth, Figures 14 to 19 show the evolution of their position in the local frame, from BTS84 to ITRF90.

FIG. 17 WETZELL SLR 7834

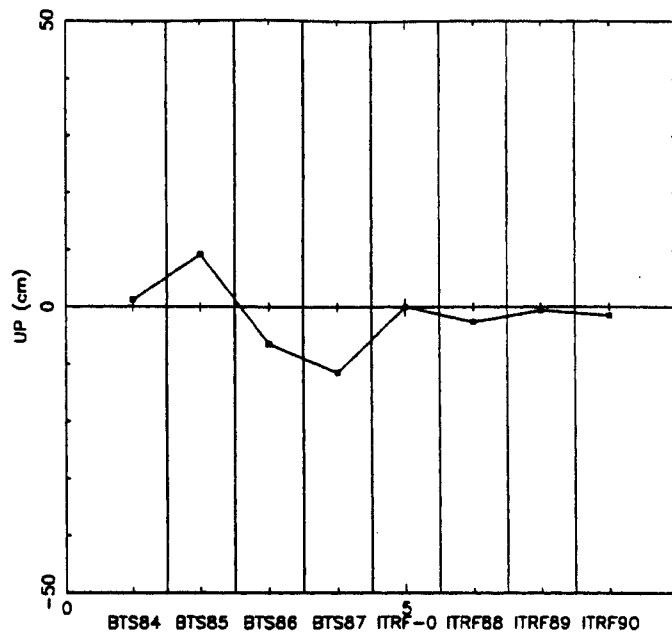
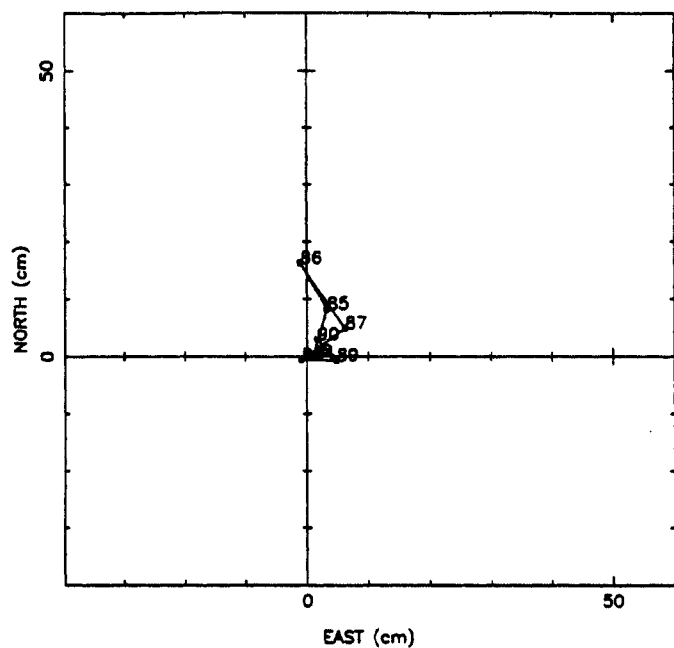


FIG. 18 AREQUIPA SLR 7907

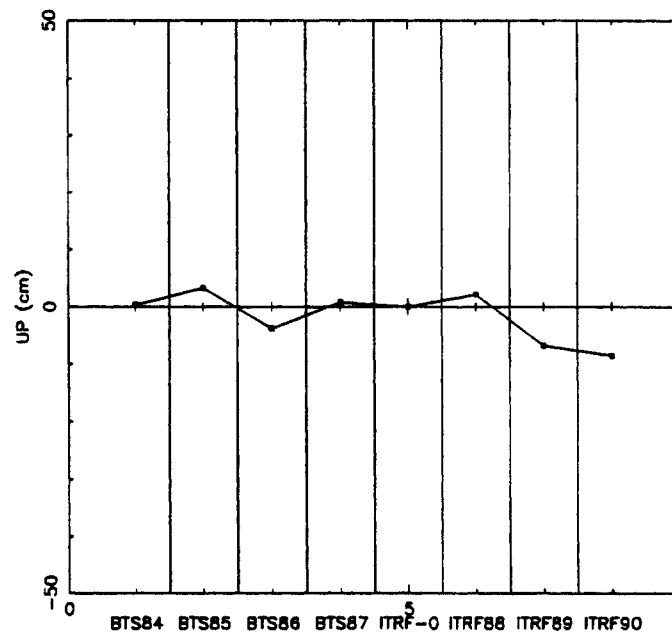
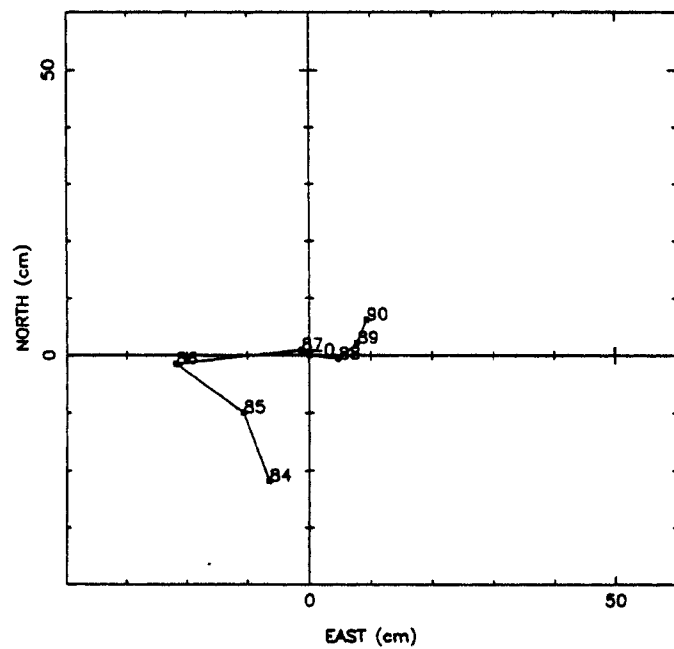


FIG. 19 FORT DAVIS SLR 7066

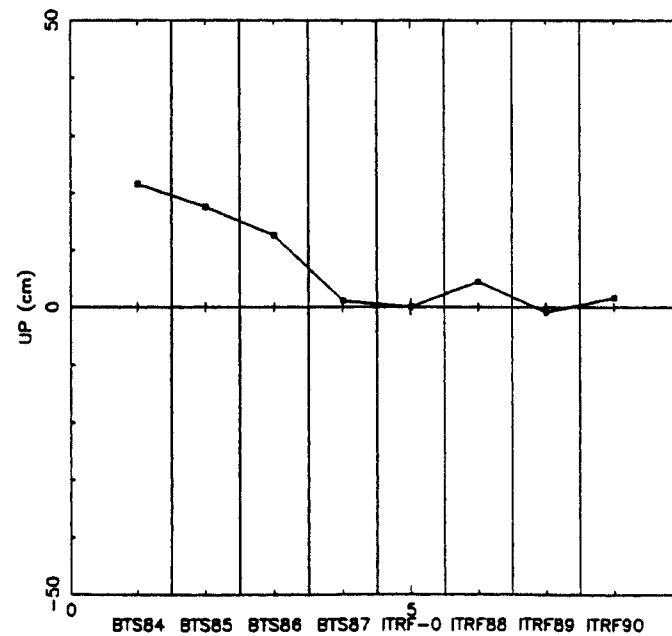
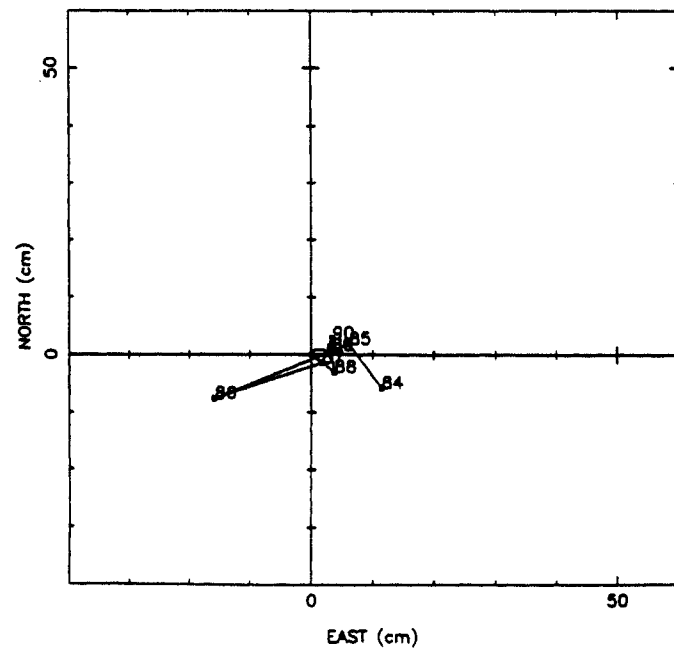


FIG. 14 CANBERRA SLR 7943

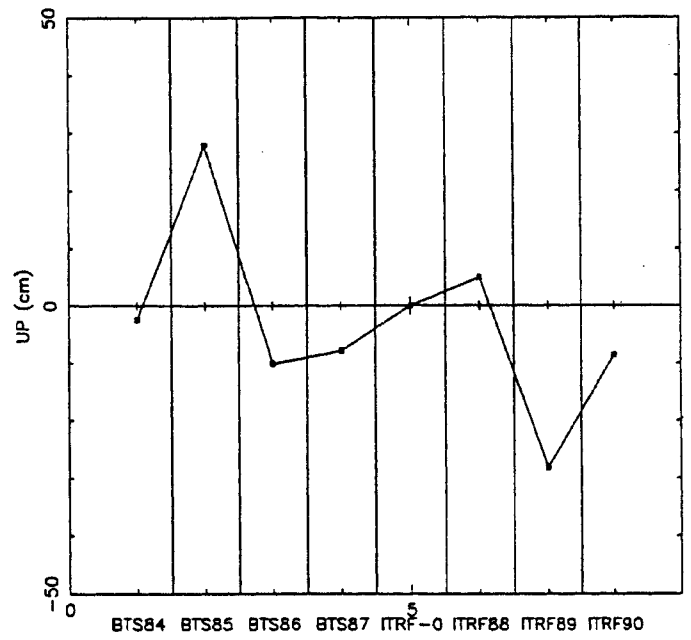
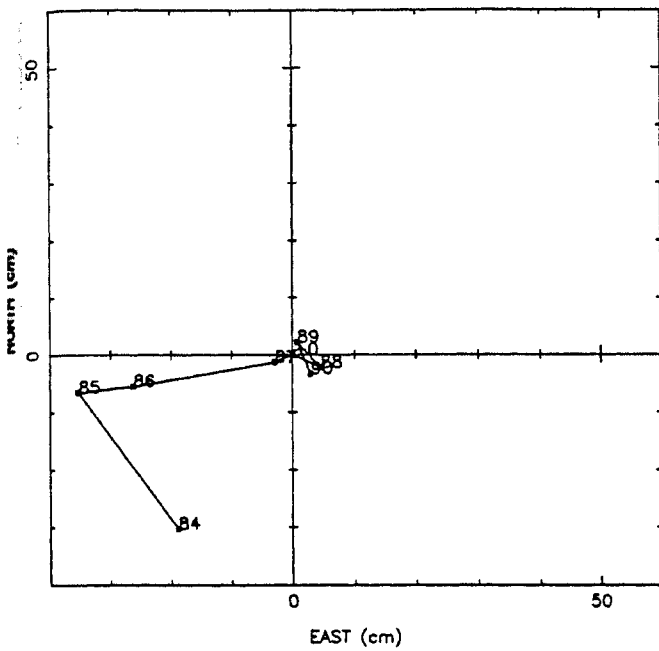


FIG. 15 SIMOSATO SLR 7838

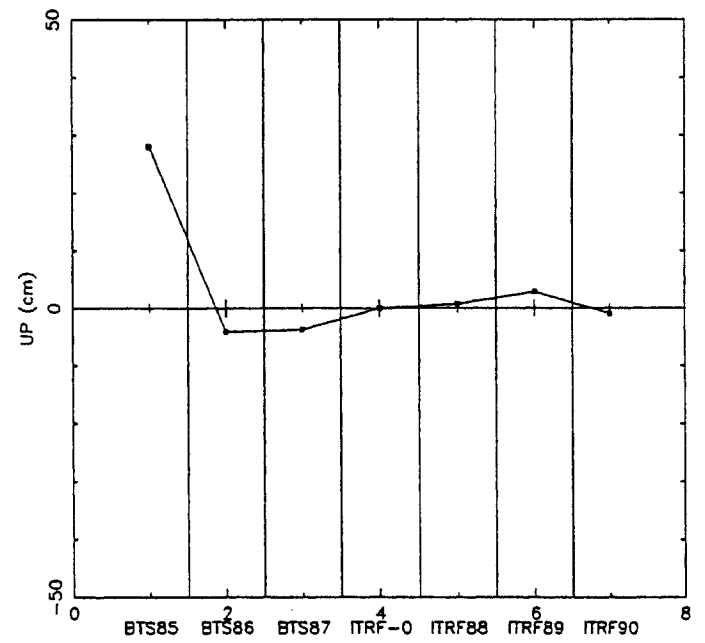
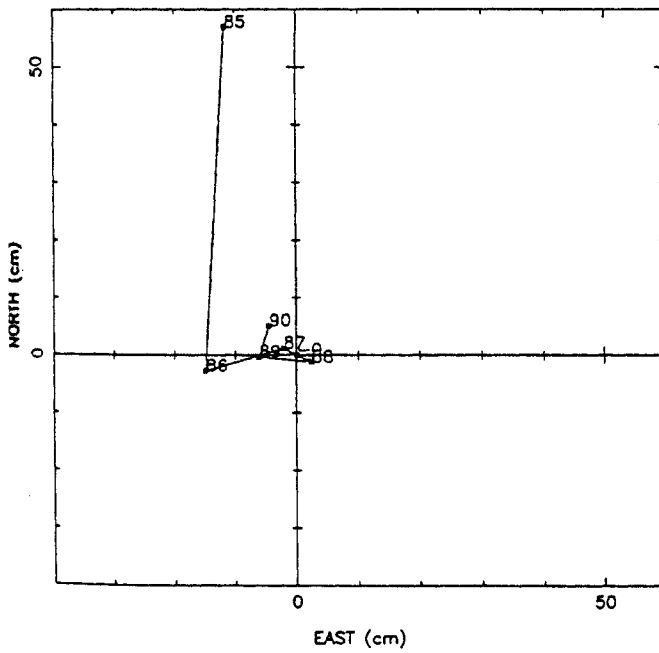
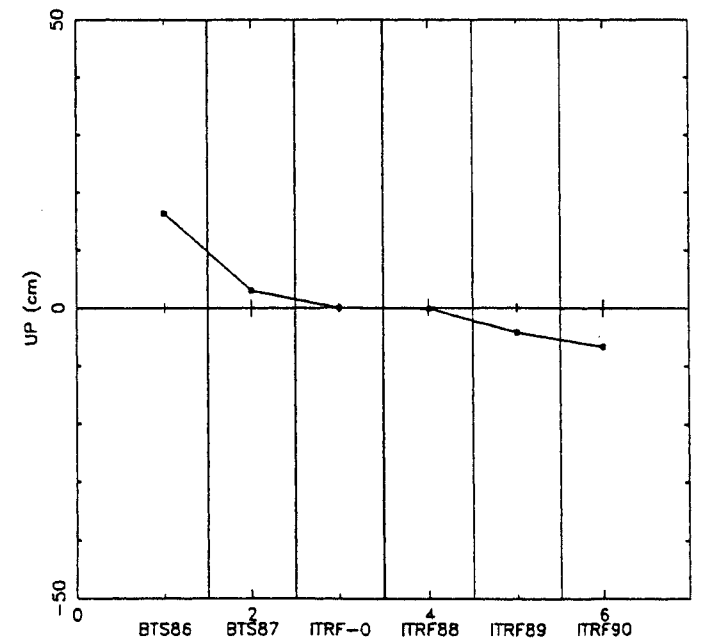
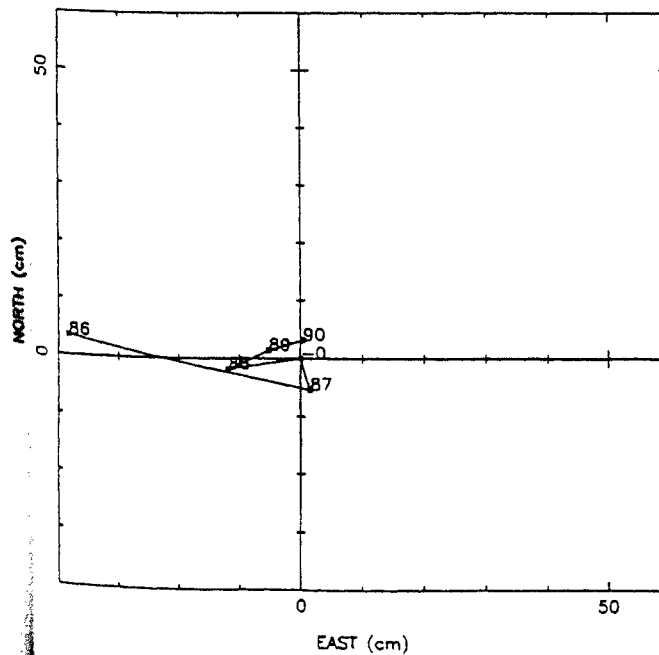


FIG. 16 HARTEBEESTHOEK VLBI 7232



The quality of the results is also given by examining residuals by groups.

All residuals by site are given in Table T8 of the appendix. This Table gives residuals in meters both in equatorial and local frame, as well as equatorial residuals divided by the a priori standard errors.

At the end of each site, the following RMS means are given:

SX, 3-D RMS mean
 NSX, 3-D RMS normalized mean
 SP, 2-D RMS mean
 SU, vertical RMS mean

with,

$$SX = \sqrt{\frac{\sum_i (RX_i^2 + RY_i^2 + RZ_i^2)}{3N}}$$

$$NSX = f \cdot \sqrt{\frac{\sum_i (NX_i^2 + NY_i^2 + NZ_i^2)}{3N}}$$

$$SP = \sqrt{\frac{\sum_i (RE_i^2 + RN_i^2)}{2N}}$$

$$SU = \sqrt{\frac{\sum_i RE_i^2}{N}}$$

with N as the number of points in the site, f a scaling facteur,

$$f = \frac{1}{\sigma_0} \sqrt{\frac{\text{Number of degree of freedom}}{\text{Number of observations}}}$$

A summary of the quality of the various sites is given in Table 4, where can be found N, NSX, SP and SU in cm, the maximum standard deviation of ITRF90 coordinates for this site, also in cm.

A similar analysis has been done by solution. Table 5 gives the results.

In addition, one can analyze transformation parameters as given in Table T7, and also compare ITRF90 to previous solutions, such as ITRF89. This global transformation is obtained taking into account one point per site only. The values are (from ITRF89 to ITRF90) :

$$T1(\text{cm}) = -0.5 (\pm 0.4)$$

$$T2(\text{cm}) = -2.4 (\pm 0.4)$$

$$T3(\text{cm}) = 3.8 (\pm 0.3)$$

$$D (10^{-8}) = -0.3 (\pm 0.1)$$

$$R1(0.001") = 0.0 (\pm 0.2)$$

$$R2(0.001") = 0.0 (\pm 0.2)$$

$$R3(0.001") = 0.0 (\pm 0.1)$$

Table 4

Site	N	NSX	SP cm	SU cm	Max(*) cm
-----	---	---	----	----	-----
Grasse	13	0.8	1.3	1.4	1.1
Tromsoe	3	0.9	4.2	2.7	2.1
Onsala	2	0.1	0.0	0.2	1.2
Metsahovi	6	0.5	26.0	34.3	2.8
Graz	7	0.6	0.9	3.6	1.1
Borowiec	6	3.2	11.9	23.3	2.8
Riga	5	1.8	5.9	16.1	2.8
Simeis-katzively	8	0.6	5.5	4.6	5.2
Dionysos	6	1.1	3.0	1.6	1.3
Askites	6	0.9	3.3	0.9	1.3
Roumelli	6	3.2	8.5	4.1	1.3

Karitzza	6	0.9	3.3	0.7	1.4
Katavia	6	1.2	3.8	1.9	1.3
Xrisokalaria	6	1.1	3.4	1.9	1.4
Lampedusa	6	0.7	9.9	6.1	1.4
Bologna	7	0.5	4.1	0.3	1.4
Noto	3	1.1	0.7	3.1	5.0
Trieste	5	0.3	3.1	0.7	1.9
Cagliari	6	0.4	1.2	0.8	1.4
Matera	12	0.4	1.7	1.0	4.4
Chilbolton	2	1.3	1.5	4.2	1.7
Herstmonceux	7	0.5	1.1	0.9	1.0
Madrid	5	0.8	1.0	3.0	4.8
Kootwijk	9	0.4	1.7	1.0	1.2
Zimmerwald	7	0.7	1.7	1.7	1.2
Monte Generoso	2	0.1	1.1	1.5	9.3
Potsdam	6	1.1	3.9	3.8	2.1
Wettzell	16	0.8	2.0	3.1	9.0
Effelsberg	2	0.2	0.9	0.7	4.4
Bar Giyyora	4	0.7	3.3	2.1	2.1
Diyarbakir	6	0.8	4.4	1.3	1.4
Yozgat	6	0.9	7.6	2.3	1.5
Melengiclick	6	0.9	3.7	1.8	1.5
Yigilca	6	0.5	3.4	0.3	1.4
Shanghai	8	0.5	2.8	2.1	2.1
Kashima	4	1.1	1.8	7.3	2.0
Simosato	7	0.7	2.5	1.6	1.3
Chichijima	4	0.1	6.1	2.6	8.6
Helwan	6	2.6	8.5	4.1	1.7
Johannesburg	2	0.3	0.4	0.3	2.2
Algonquin	3	0.6	0.4	0.5	0.9
Pasadena	6	1.7	9.0	5.9	1.8
Goldstone	30	1.3	2.3	10.2	2.8
Fairbanks	3	0.3	0.2	0.1	0.9
Austin	2	0.1	0.1	11.2	38.8
Patrick AFB	2	0.4	21.3	2.8	40.4
Vandenberg	2	0.3	0.1	0.4	1.9
Kauai	4	0.7	0.6	0.5	1.0
Quincy	18	1.5	7.3	1.7	0.9
Mount Hopkins	6	0.8	14.6	17.0	5.5
San Diego	8	1.0	5.0	2.4	1.4
Bear Lake	5	1.1	3.6	7.3	4.6
Owens Valley	12	1.1	3.0	2.1	18.0
Westford	11	1.0	1.1	4.2	0.8
Greenbank	4	1.1	0.2	1.6	1.1
Fort Davis	32	1.0	2.6	3.7	1.0
Maui	17	1.0	2.4	2.7	1.0
Washington	39	0.8	4.9	11.6	3.7
Pietown	2	2.1	0.4	2.7	1.0
Hat Creek	2	0.2	0.0	0.2	0.9
Maryland Point	3	0.5	3.8	22.8	1.0
Flagstaff	6	1.4	5.1	12.5	2.1
Vernal	3	0.7	4.3	6.3	4.2
Yuma	4	0.8	7.8	3.2	1.4
Platteville	8	0.9	2.4	1.1	1.0
Monument Peak	16	1.1	3.2	2.4	0.9

Richmond	8	0.5	1.7	0.6	0.9
Mazatlan	7	0.7	1.1	2.1	1.1
Cabo San Lucas	3	1.3	2.4	11.9	2.5
Ensenada	6	1.2	6.7	4.0	1.9
Santiago de Cuba	5	0.5	12.5	6.5	4.7
Natal	2	1.3	48.2	13.1	6.3
Easter Island	6	1.0	1.8	2.3	1.4
Santiago	3	0.4	2.5	1.9	3.7
Cerro Tololo	5	1.4	5.3	1.9	3.0
Sest	2	0.6	29.0	25.0	3.0
Arequipa	10	0.8	2.4	1.8	1.8
Bermuda	2	0.2	7.9	2.8	13.3
Canberra	20	1.2	6.6	6.0	2.3
Yarragadee	7	0.8	1.5	1.8	1.3
American Samoa	3	0.5	5.5	2.3	4.0
Kwajalein atoll	7	0.6	4.5	1.0	1.8
Huahine	11	1.2	5.0	2.1	1.6

Max : Maximum standard deviation of ITRF90 coordinates

Table 5

Solution	N	SP cm	SU cm	WSX cm	NSX	A (*) B cm	
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RG	51	0.7	1.5	0.7	0.80	0.5	1.5
RN	31	7.6	11.3	0.7	0.78	0.5	1.5
RO	10	0.7	1.5	0.7	0.83	0.5	1.5
RJ	7	1.0	2.4	1.5	0.74	1.0	1.0
LC	96	7.5	12.5	2.8	1.09	1.5	1.0
LG	83	6.5	7.5	3.1	0.83	1.5	3.0
LD	85	11.9	6.8	2.9	0.90	1.5	3.0
LU	39	2.7	4.5	2.6	1.36	1.5	0.3
LZ	47	4.5	5.5	3.0	1.39	1.5	3.0
LK	48	6.3	6.1	5.0	1.38	2.5	2.0
LT	18	2.2	3.6	1.6	0.49	1.5	3.0
MX	5	3.6	2.5	3.0	1.36	1.5	0.2
MJ	5	2.3	4.9	3.2	0.94	3.0	0.0

(*) : A is the additive variance in cm and B is the factor of the formula (1) in page 3

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APPENDIX

Tables

- T1 : List of IERS sites
- T2 : Directory of IERS stations
- T3 : Occupancies of IERS sites
- T4 : Summary of available solutions for IERS sites
- T5 : Local eccentricities for IERS colocation sites
- T6 : SSC(IERS) 91 C 01 Station coordinates in ITRF90 for epoch 1988.0
- T7 : Transformation parameters from ITRF90 to individual systems
- T8 : Residuals and statistics
- T9 : Samples of 1990 realizations for ITRS

Table T1

List of IERS sites

DOMES Number	Name	Country	Long. d m	Lat. d m	Plate	Status
10002	GRASSE	France	6 55	43 45	EUR A	PC
10004	BREST	France	355 30	48 24	EUR A	S
10302	TROMSO	Norway	18 56	69 40	EUR A	SC
10402	ONSALA	Sweden	11 55	57 24	EUR A	P
10405	MARTSBO	Sweden	17 16	60 36	EUR A	S
10503	METSAHOVI	Finland	24 23	60 13	EUR A	SC
11001	GRAZ	Austria	15 30	47 04	EUR A	P
12205	BOROWIEC	Poland	17 04	52 17	EUR A	S
12302	RIGA	URSS	24 04	56 57	EUR A	S
12337	SIMEIS-KATZIVELY	URSS	33 58	44 24	EUR A	S
12602	DIONYSOS	Greece	23 56	38 05	EUR A	S
12612	ASKITES	Greece	25 34	40 56	EUR A	S
12613	ROUMELLI	Greece	24 42	35 24	EUR A	P
12614	KARITSA	Greece	20 40	39 44	EUR A	S
12615	KATAVIA	Greece	27 47	35 57	EUR A	S
12616	XRISOKALARIA	Greece	21 53	36 47	EUR A	S
12706	LAMPEDUSA	Italy	12 34	35 31	EUR A	S
12711	BOLOGNA	Italy	11 21	44 29	EUR A	PC
12717	NOTO	Italy	14 59	36 53	EUR A	SC
12718	TRIESTE	Italy	13 53	45 39	EUR A	P
12725	CAGLIARI	Italy	9 00	39 08	EUR A	S
12734	MATERA	Italy	16 37	40 42	EUR A	PC
13201	CHILBOLTON	UK	358 37	51 11	EUR A	S
13212	HERSTMONCEUX	UK	21	50 52	EUR A	P
13296	CARNUTSY	UK	357 13	56 29	EUR A	S
13407	MADRID	Spain	355 44	40 26	EUR A	P
13504	KOOTWIJK	Netherlands	5 49	52 11	EUR A	S
13506	WESTERBORK	Netherlands	6 36	52 55	EUR A	S
14001	ZIMMERWALD	Switzerland	7 28	46 53	EUR A	P
14005	MONTE GENEROSO	Switzerland	9 01	45 56	EUR A	S
14106	POTSDAM	GDR	13 04	52 23	EUR A	P
14201	WETTZELL	FRG	12 53	49 09	EUR A	PC
14202	HOHENBUNSTORF	FRG	10 29	53 03	EUR A	S
14209	EFFELSBERG	FRG	6 53	50 32	EUR A	S
20702	BAR GIYYORA	Israel	35 05	31 43	AFRC	P
20801	DIYARBAKIR	Turkey	40 12	37 55	EUR A	S
20802	YOZGAT	Turkey	34 49	39 48	EUR A	S
20803	MELENGICLICK	Turkey	33 11	37 23	EUR A	S
20804	YIGILCA	Turkey	31 26	40 56	EUR A	S
21602	WUHAN	China	114 20	30 32	EUR A	S
21605	SHANGHAI	China	121 26	31 01	EUR A	PC
21701	KASHIMA	Japan	140 40	35 57	NOAM	P
21709	OKINAWA	Japan	127 43	26 08	EUR A	S
21718	MIYAZAKI	Japan	131 29	32 05	EUR A	S
21725	NOBEYAMA	Japan	138 28	35 56	EUR A	S
21726	SIMOSATO	Japan	135 56	33 34	EUR A	P
21730	TSUKUBA	Japan	140 05	36 06	EUR A	S
21732	CHICHIJIMA	Japan	142 13	27 06	EUR A	SC

21733	MINAMI TORI SHIMA	Japan	153	59	24	17	PCFC	SC
21735	TSUSHIMA	Japan	129	25	34	24	EUR A	S
21736	ISHIGAKI SHIMA	Japan	124	10	24	21	EUR A	S
30101	HELWAN	Egypt	31	21	29	52	AFRC	S
30302	JOHANNESBURG	S. Africa	27	42	-25	53	AFRC	P
40104	ALGONQUIN	Canada	281	56	45	57	NOAM	S
40105	PENTICTON	Canada	240	23	49	19	NOAM	S
40118	WHITEHORSE	Canada	224	55	60	44	NOAM	S
40127	YELLOWKNIFE	Canada	245	32	62	29	NOAM	S
40129	VICTORIA	Canada	236	31	48	23	NOAM	S
40400	PASADENA	USA	241	50	34	12	PCFC	PC
40403	PALOS VERDES	USA	241	36	33	45	PCFC	P
40404	PEARBLOSSOM	USA	242	05	34	31	PCFC	S
40405	GOLDSTONE	USA	243	06	35	20	NOAM	PC
40406	SAN FRANCISCO	USA	237	33	37	48	NOAM	P
40407	PINYON FLATS	USA	243	33	33	26	PCFC	S
40408	FAIRBANKS	USA	212	29	64	58	NOAM	P
40410	POINT REYES	USA	237	04	38	06	PCFC	P
40412	AUSTIN	USA	262	20	30	25	NOAM	S
40416	YAKATAGA	USA	217	31	60	05	NOAM	P
40417	PATRICK AFB	USA	279	24	28	14	NOAM	S
40419	KODIAK	USA	207	30	57	44	NOAM	P
40420	VANDENBERG AFB	USA	239	26	34	35	PCFC	PC
40421	NOME	USA	194	38	64	34	NOAM	S
40423	SANDPOINT	USA	343	31	55	21	NOAM	P
40424	KAUAI	USA	200	20	22	08	PCFC	P
40425	SOURDOUGH	USA	214	31	62	40	NOAM	S
40427	FORT ORD	USA	238	14	36	29	PCFC	P
40428	SANTA PAOLA	USA	241	00	34	12	PCFC	P
40430	BLACK BUTTE	USA	244	17	33	40	NOAM	P
40431	DEADMAN LAKE	USA	243	43	34	15	NOAM	P
40432	ELY	USA	244	55	39	19	NOAM	S
40433	QUINCY	USA	239	04	39	58	NOAM	PC
40434	MOUNT HOPKINS	USA	249	07	31	41	NOAM	S
40436	SAN DIEGO	USA	243	10	32	36	PCFC	S
40437	MAMMOTH LAKES	USA	241	04	37	38	NOAM	S
40438	BEAR LAKE	USA	248	35	41	56	NOAM	S
40439	OWENS VALLEY	USA	241	22	37	14	NOAM	PC
40440	WESTFORD	USA	288	31	42	37	NOAM	PC
40441	GREENBANK	USA	280	10	38	26	NOAM	S
40442	FORT DAVIS	USA	255	59	30	40	NOAM	PC
40445	MAUI	USA	203	44	20	43	PCFC	PC
40449	OCOTILLO	USA	244	12	32	47	PCFC	S
40451	WASHINGTON	USA	282	56	38	55	NOAM	PC
40452	BLOOMINGTON	USA	273	30	39	11	NOAM	S
40453	CARROLLTON	USA	274	53	33	34	NOAM	S
40454	LEONARD	USA	264	12	35	55	NOAM	S
40455	MILES CITY	USA	254	08	46	24	NOAM	S
40456	PIETON	USA	251	53	34	18	NOAM	S
40457	SEATTLE	USA	237	45	47	41	NOAM	S
40489	HAT CREEK	USA	238	32	40	49	NOAM	P
40490	MARYLAND POINT	USA	282	46	38	22	NOAM	P
40491	FLAGSTAFF	USA	258	22	35	13	NOAM	PC
40492	VERNAL	USA	250	26	40	20	NOAM	SC
40493	YUMA	USA	245	48	32	56	NOAM	PC

40496	PLATTEVILLE	USA	255	16	40	11	NOAM	PC
40497	MONUMENT PEAK	USA	243	35	32	54	PCFC	PC
40499	RICHMOND	USA	279	37	25	37	NOAM	PC
40504	MAZATLAN	Mexico	253	33	23	14	NOAM	P
40505	CABO SAN LUCAS	Mexico	250	08	22	55	PCFC	S
40506	ENSENADA	Mexico	243	50	31	15	PCFC	S
40701	SANTIAGO DE CUBA	Cuba	284	14	20	01	NOAM	S
41604	NATAL	Brazil	324	40	-5	56	SOAM	S
41703	EASTER ISLAND	Chile	250	34	-27	11	NAZC	P
41705	SANTIAGO	Chile	289	20	-33	09	SOAM	S
41706	CERRO TOLOLO	Chile	289	12	-30	10	SOAM	S
41709	SEST	Chile	289	16	-29	16	SOAM	S
42202	AREQUIPA	Peru	288	30	-16	28	SOAM	P
42501	BERMUDA	UK	295	21	32	21	NOAM	SC
43602	GRAND TURK	Bahama Is.	288	42	21	28	SOAM	S
50103	CANBERRA	Australia	148	59	-35	35	INDI	PC
50107	YARRAGADEE	Australia	115	25	-29	05	INDI	P
50116	HOBART	Australia	147	26	-42	48	INDI	S
50503	AMERICAN SAMOA	USA	189	17	-14	20	PCFC	S
50505	KWAJALEIN ATOLL	USA	167	29	9	24	PCFC	SC
92202	HUAHINE	France	208	58	-16	44	PCFC	P

P: Primary

S: Secondary

C: Colocation

Table T2

DIRECTORY OF IERS STATIONS

DOMES Number	Site	CDP Number	DESIGNATION
10002	Grasse		
M001			Mark Caussols 3 (F 2)
M003		7605	Mobile VLBI mark 1989
S001		7835	SLR IAR
S002		7845	LLR IAR
10004	Brest		
M002		7604	Mobile VLBI mark 1989
10302	Tromso		
M001			Trig. point (N 5481)
M002		7602	Mobile VLBI and SLR mark
10402	Onsala		
M003			NLS Mark 761331 (S7331)
S001		7212	VLBI ref. pt. ONSALA85
S002		7213	VLBI ref. pt. ONSALA60
10503	Metsahovi		
M001			Mark (SF 348)
M002		7601	Mobile VLBI mark 1989
S001		7805	SLR IAR
11001	Graz		
M001			Mark (A171)
S002		7839	SLR IAR
12205	Borowiec		
S001		7811	SLR IAR
12302	Riga		
S002		1884	SLR IAR
12337	Simeis - Katzively		
S003		1873	Simeis fixed SLR IAR
S006		1893	Katzively Crimea fixed SLR IAR
12602	Dionysos		
M001			Central Pillar
M002		7515	Mark SLR Standard WEGENER disk
S001		7940	SLR IAR
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	Bologna			
M001			Pillar	
M002		7546	Mark SLR 7546	
S001		7230	Radiotelescope ref. pt.	
12717	Noto			
S001		7547	Radiotelescope ref. pt.	
M001		7543	Mark SLR	
12718	Trieste			
M001			Mark (I 400130)	
M002		7550	Mark SLR 7550	
12725	Cagliari			
M001			ILS Mark (I 234165)	
M002		7545	Mark SLR 7545	
12734	Matera			
M001			Mark (I 201130)	
M004		7541	Mark SLR 7541 "C"	
M005		7540	Mark SLR 7540 "B"	
S001		7939	SLR IAR	
S005		7243	Fixed VLBI antenna	
13201	Chilbolton			
S002		7215	25m radiotelescope ref. pt.	
13212	Herstmonceux			
M002			Primary pillar (GB 481)	
S001		7840	SLR IAR	
13296	Carnusty			
M001		7603	Mobile VLBI mark 1989	
13407	Madrid			
S001		1563	64m antenna DSS63	
S003		1561	26(34) antenna DSS61	
S010		1565	34m antenna DSS65	
13504	Kootwijk			
M001			Perm. mark 1980	
M002		8833	Monument MTLRS 1984	

S001		7833	SLR IAR (NL 233)
14001	Zimmerwald		
M001			Mark (CH 99)
S001		7810	SLR IAR
14005	Monte Generoso		
M001			Mark (CH 65)
M002		7590	Mark SLR
14106	Potsdam		
M001			Pillar tour Helmert
S001		1181	SLR IAR
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 mark
M007		7599	SLR mark
S004		7224	VLBI Ref. Point
S002		7834	SLR IAR
14202	Hohenbunstorf		
M002		7600	Mobile VLBI mark 1989
14209	Effelsberg		
M001			Control network mark
S001		7203	100m radiotelescope ref. pt.
20702	Bar Giyyora		
M001		7530	SLR mark 7530
S001		7530	MOBLAS-2
20801	Diyarbakir		
M001		7575	Mark SLR
20802	Yozgat		
M001		7585	Mark SLR
20803	Melengiclick		
M001		7580	Mark SLR
20804	Yigilca		
M001		7587	Mark SLR
21602	Wuhan		
S003		7236	Wuhan fixed laser
21605	Shanghai		
M001			Mark connect with bedrock
S001		7837	SLR IAR
S008		7226	VLBI 6m radiotelescope ref. pt.

S009		7227	VLBI 25m antenna ref. pt.
21701	Kashima		
M001			Metal station mark (Denken 1)
S001		1856	26m VLBI antenna
S004		1857	34m VLBI antenna
21709	Okinawa		
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
21730	Tsukuba		
S001		7311	5m mobile VLBI
21732	Chichijima		
S001		7844	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
30101	Helwan		
S001		7831	SLR IAR fixed
30302	Johannesburg		
S001		7232	26m VLBI antenna ref. pt.
40104	Algonquin		
S001		7282	46m VLBI antenna ref. pt.
40105	Penticton		
M001		7283	Mobile VLBI mark 7283
40118	Whitehorse		
M001		7284	Mobile VLBI mark 7284
40127	Yellowknife		

M001		7285	Mobile VLBI mark
40129	Victoria		
M001		7289	Mobile VLBI mark
40400	Pasadena		
M001		7896	Mark SLR (JPL aries 2 1975)
M003		7263	Mobile VLBI Mark
M005		7265	Mobile VLBI MARK
M006		7272	Mobile VLBI mark (JPL MV3 1983)
40403	Palos Verdes		
M001		7268	Mobile VLBI mark
40404	Pearblossom		
M001		7254	Mobile VLBI mark (NCMN 1983)
M002		7253	Mobile VLBI mark
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
M013		7288	Mojave mobile VLBI and TLRS mark (Punchmark on sheared surface of 7287 mark)
S009		7222	Mojave fixed 12m VLBI ref. point
S001		1514	Mars 64m fixed VLBI ref. point (DSS14)
S014		1513	Venus 26m fixed VLBI ref. point (DSS13)
S019		7231	Mars 34m fixed VLBI ref. ponit (DSS15)
40406	San Francisco (presidio)		
M001		7252	Mobile VLBI mark
40407	Pinyon Flats		
M001		7256	Mobile VLBI mark (NCMN 1981)
40408	Fairbanks		
S001			26m antenna ref. pt.
S002		7225	26m VLBI ref. point (GILMORE CREEK)
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
40417	Patrick AFB		
M001		7081	Mark SLR
M002		7069	Mark SLR

40419	Kodiak		
M001		7278	Mobile VLBI mark
40420	Vandenberg		
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)
40421	Nome		
M001		7279	Mobile VLBI mark
40423	Sandpoint		
M001		7280	Mobile VLBI mark
40424	Kauai		
S001		1311	9m VLBI ref. point
40425	Sourdough		
M001		7281	Mobile VLBI mark
40427	Fort Ord		
M001		7266	Mobile VLBI mark (NCMN 1981)
M002		7241	Mobile VLBI mark
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 R.M. 2 1954
M002		7257	Mobile VLBI mark
40433	Quincy		
M001		7051	Steel plate MOBLAS 7051
M002		7109	MOBLAS 7109 (1981) Standard NASA disk
M006		7260	Quincy ARIES 1979
M005		7886	TLRS 7886 (1982) standard NASA disk
M004		7221	TLRS and VLBI standard NASA disk
40434	Mount Hopkins		
M002		7888	Mark SLR
S001		7921	SLR IAR (SAO)
40436	San Diego Otay Mountain		
M002		7062	Mark SLR Circular 5" steel plate
M003		7035	Mark SLR 7035 1988
40437	Mammoth Lakes		
M001		7259	Mobile VLBI mark

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
40440	Haystack/Westford		
M001		7091	MOBLAS Haystack Inter Comp 1977
S002		7205	37m VLBI ref. point of radio telescope
S003		7209	18m VLBI ref. point of radio telescope
40441	Greenbank		
S001		7204	43m radiotelescope ref. pt.
S004		7214	85-foot antenna ref. pt.
40442	Fort Davis		
M004			McDonald RM4 1977
M001		7086	MLRS, MOBLAS, TLRS-1 standard NASA disk
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	Mark SLR
S002		7206	LLR McDonald 2
S001		7086	LLR MLRS
S003		7216	85-foot VLBI ref. point (HRAS 085)
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		
M110			Greenbelt north GEOS(GSFC) GORF
M107		7064	Mobile SLR 7064 standard NASA disk
M108		7065	Mobile SLR 7065 standard NASA disk
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
M111		7899	TLRS 7899-1980 standards NASA disk
M112		7063	STALAS fixed Laser standard NASA disk

M113		7106	Mark SLR	
M114		7125	Mark SLR 7125 1985	standard NASA disk
M115		8213	Mark SLR	
M116		7130	Mark SLR 7130 1985	standard NASA disk
M117		7920	Mark SLR 7125-B	standard NASA disk
M118		7889	Mark SLR 7889 1981	standard NASA disk
M119		7917	Mark SLR 7917 Steel plate	SAO-3
M120		7918	Mark SLR	standard NASA disk
M121		7919	Mark SLR	standard NASA disk
M122		7083	Mark SLR	standard NASA disk
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			
S001		7234	VLBA antenna	
40457	Seattle			
M001		7229	Mobile VLBI mark	
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			
M002		7258	NCMN 1981 mobile VLBI NGS station disk	
M001		7112	Moblas 7112-1980 standard NASA 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
40499	Richmond		
M001			Timer 1962
M002		7295	Mark SLR
S001		7219	65 foot VLBI antenna
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
40701	Santiago de Cuba		
S001		1953	SLR IAR
41604	Natal		
S001		7929	SLR IAR
41703	Easter Island		
M001		7061	TLRS-2 7061-1983 NASA-GSFC station disk
M002		7097	TLRS-2 7097-1986 NASA brass disk
41705	Santiago		
M001		7400	Mark SLR
41706	Cerro Tololo		
M001		7401	Mark SLR
41709	Sest		
S001		7239	VLBI antenna
42202	Arequipa		
M002			Satellite mark 1961
M003		7403	Mark SLR
S001		7907	SAO-2 fixed laser
42501	Bermuda		
M001		7067	Mark SLR
M002		7294	Mobile VLBI mark
43602	Grand Turk		
M001			Mark SKI 1952
M002		7068	Mark SLR
50103	Canberra-orroral		
M103			Stromlo PZT4
M106		7843	Orroral center ground mark 7843
S003		7943	SAO-3 fixed laser
S007		7843	NLRS (coude mirror 7)
S001		1543	DSS43 Antenna

S005		1542	DSS42 Antenna
S006		1544	DSS44 Antenna
S010		1545	DSS45 Antenna
50107	Yarragadee		
M001		7090	MOBLAS 7090 brass disk
50116	Hobart		
S002		7242	VLBI antenna ref. pt.
50503	American Samoa		
M001		7096	Mark SLR
50505	Kwajalein Atoll		
M001		7092	Mark SLR
S003		4968	Tardex 26m antenna ref. pt.
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

Table T3

Occupancies of IERS sitesColocation

DOMES Number	Site	1	2	CDP Number	Years of occupancy
40412	Austin				
M001		L	T	7890	80,81
M003		R	T	7271	87
42501	Bermuda				
M001		L	T	7067	75-76,78
M002		R	T	7294	87
12711	Bologna/Medicina				
S001		R	P	7230	87-
M002		L	T	7546	88
50103	Canberra-Orroral-Tidbinbilla				
S005		R	P	1542	
S001		R	P	1543	78
S006		R	P	1544	
S010		R	P	1545	88-
M106/S007		L	P	7843	85-
S003		L	P	7943	76-82
21732	Chichijima				
S001		R	T	7844	88
S002		L	T	7844	88
40491	Flagstaff				
M003		R	T	7261	84,85,86,87,88
M002		L	T	7891	81
40442	Fort Davis-McDonald				
S003		R	P	7216	80-
M008		R	T	7850	88
M009		R	T	7900	88
S014		M	P	7080	88-
S001		M	P	7086	82,85,86,87,88
S002		M	P	7206	69-85
M006/S014		L	P	7080	88-
M001/S001/S016		L	P	7086	79,80,82,85,86,87,88
M005		L	T	7885	82

1 : Type of technique (L,M,R)

2 : Permanent or Temporary occupancy

40405	Goldstone-Mojave				
S003		R	P	1512	
S014		R	P	1513	79-
S001		R	P	1514	78-
S019		R	P	7231	88-
S009		R	P	7222	83-
M013		R	T	7288	88
M001		L	T	7085	78
M002		L	T	7115	79-81
M006		L	T	7265	84
M013		L	T	7288	88,89,90
10002	Grasse				
M003		R	T	7605	89
S002		M	P	7845	79-
S001		L	P	7835	79-
40440	Haystack-Westford				
S002		R	P	7205	76-
S003		R	P	7209	81-
M001		L	T	7091	78,79,80,88
50505	Kwajalein Attol				
S003		R	P	4968	84,85,86
M001		L	T	7092	79-80
12734	Matera				
S001		L	P	7939	83-
M004		L	T	7541	86
M005		L	T	7540	86
S005		R	P	7243	90
40445/40424	Maui/Kokee Park				
/S001		R	P	1311	84-
M002		R	T	7120	88
S005		M	P	7210	76-
M002		L	T	7120	80,81
M001		L	P	7210	79-
10503	Metsahovi				
M002		R	T	7601	89
S001		L	P	7805	78-
21733	Minami Tori Sima (Marcus)				
S001		L	T	7300	89
S002		R	T	7310	90
40497/40436	Monument Peak/San Diego-Otay Mountain				
M002		R	T	7220	81,82,83
M003		R	T	7274	84,85,86,87
M001		L	P	7110	81-
M002		L	T	7220	83-85
M003		L	T	7274	85
/M003		L	T	7035	88
/M002		L	T	7062	76,77,78,79,81,83,84

12717	Noto				
S001		R	P	7547	89-
M001		L	T	7543	90
40439	Owens Valley				
S002		R	P	7207	76-
M004		R	T	7853	87
M003		L	T	7084	78
M001		L	T	7114	79,80,81,82
40400	Pasadena				
M003		R	T	7263	80,81,82,83,84,85,86,87,88
M005		R	T	7264	80,81,82,83,84
M006		R	T	7272	83
M001		L	T	7896	80
40496	Platteville				
M002		R	T	7258	83,84,85,86,87,88,89
M001		L	T	7112	81-84,88,90
40433	Quincy				
M004		R	T	7221	82,83,84,85,86,87,88,89
M006		R	T	7260	79
M001		L	T	7051	76,79,81
M002		L	P	7109	81-
M005		L	T	7886	83,84
40499	Richmond				
S001		R	P	7219	83-
M002		L	T	7295	88
21605	Shanghai				
S008		R	P	7226	86-
S009		R	P	7227	88-
S001		L	P	7837	83-
10302	Tromso				
M002		R	T	7602	89
M002		L	T	7602	90
40420	Vandenberg				
M001		R	T	7111	81,83
M002/S003		R	P	7223	83-
M001		L	T	7111	82
M004		L	T	7887	83
40492	Vernal				
M002		R	T	7290	86,87,88,89
M001		L	T	7892	81,82
40451/40490	Washington/Maryland Point				
/S001		R	P	7217	82-
M102		R	T	7102	89
M112		L	P	7063	76-81

M107		L	T	7064	77
M108		L	T	7065	77
M106		L	T	7100	77,78
M101		L	T	7101	78,79,82
M102		L	P	7102	78-89
M103		L	T	7103	79,82
M104		L	T	7104	79
M105		L	P	7105	81-
M114		L	T	7125	85,87
M116		L	T	7130	85-87
M119		L	T	7917	84-85
M120		L	T	7918	85,86,87,88,90
M121		L	T	7919	85-87
M117		L	T	7920	85-89
M118		L	T	7889	82-85
M111		L	T	7899	80
14201 Wettzell					
S004		R	P	7224	83-
S002		L	P	7834	78-
M003		L	T	7595	
M004/S010		L	T	7596	85
M005		L	T	7597	85
M006		L	T	7598	
M007		L	T	7599	84
40493 Yuma					
M002		R	T	7273	81
M001		R	T	7894	83,84,85,86,87,88
M001		L	T	7894	83

Multiple SLR

42202 Arequipa					
M003		L	T	7403	90
S001		L	P	7907	76-
40438 Bear Lake					
M001		L	T	7082	76,79
M002		L	T	7046	90
12602 Dionysos					
S001		L	P	7940	84-
M002		L	T	7515	86
41703 Easter island					
M001		L	T	7061	83,84
M002		L	T	7097	87,88
92202 Huahine					
M002		L	T	7121	83-86
M003		L	T	7123	87-

13504	Kootwijk				
S001		L	P	7833	79-84
M002		L	T	8833	84
40434	Mount Hopkins				
S001		L	P	7921	76-79,82
M001		L	T	7880	82
40417	Patrick AFB				
M001		L	T	7081	76
M002		L	P	7069	76-80
12337	Simeis - Katzively				
S003		L	P	1873	76-
S006		L	P	1893	76-

Single SLR

50503	American Samoa				
M001		L	T	7096	79-80
12612	Askites				
M001		L	T	7510	86,87,89
20702	Bar Giyyora				
M001		L	P	7530	85-
12205	Borowiec				
S001		L	P	7811	76-83,88-
40505	Cabo San Lucas				
M001		L	T	7882	84,88
12725	Cagliari				
M002		L	T	7545	85,88,90
41706	Cerro Tololo				
M001		L	T	7401	84,90
20801	Diyarbakir				
M001		L	T	7575	87,89
40506	Ensenada				
M001		L	T	7883	89
11001	Graz				
S002		L	P	7839	83-
30101	Helwan				
S001		L	P	7831	84-
13212	Herstmonceux				
S001		L	T	7840	83-

21736 S001	Ishigaki-shima	L T	7307	88
12614 M001	Karitsa	L T	7520	86,89
12615 M001	Katavia	L T	7512	86,87,89
12706 M001	Lampedusa	L T	7544	87,89
40504 M001	Mazatlan	L P	7122	83-
20803 M001	Melengiclick	L T	7580	87,89
41604 S001	Natal	L P	7929	76-81
21709 S001	Okinawa	L T	7301	89
14106 S001	Potsdam	L P	1181	74-
12302 S002	Riga	L P	1884	76-
12613 M001	Roumelli	L T	7517	86,87,89
41705 M001	Santiago	L T	7400	84
40701 S001	Santiago de Cuba	L P	1953	76-
21726 S001	Simosato	L P	7838	82-
12718 M002	Trieste	L T	7550	86,89
21735 S001	Tsushima	L T	7302	89
21602 S003	Wuhan	L P	7236	88-
12616 M001	Xrisokalaria	L T	7525	86,87,89

50107	Yarragadee				
M001		L	P	7090	79-
20804	Yigilca				
M001		L	T	7587	87,89
20802	Yozgat				
M001		L	T	7585	87,89
14001	Zimmerwald				
S001		L	P	7810	84-

Multiple VLBI

40432	Ely				
M001		R	T	7286	85,86,87,88,89
M002		R	T	7257	83,84
40427	Fort Ord				
M001		R	T	7266	81,83,84,85,87,88
M002		R	T	7241	88,89
40441	Greenbank				
S001		R	P	7204	76-82
S004		R	P	7214	89-
21701	Kashima				
S001		R	P	1856	84-
S004		R	P	1857	90-
13407	Madrid				
S003		R	P	1561	83-
S005		R	P	1562	
S001		R	P	1563	79
S010		R	P	1565	88-
40404	Pearblossom				
M001		R	T	7254	83,84,85,87,88
M002		R	T	7253	76,77,81,83

Single VLBI

40104	Algonquin				
S001		R	P	7282	84-
40430	Black Butte				
M001		R	T	7269	83,84,85,86,87,88

40452	Bloomington				
M001		R	T	7291	87
10004	Brest				
M002		R	T	7604	89
13296	Carnusty				
M001		R	T	7603	89
40453	Carrollton				
M001		R	T	7228	87
13201	Chilbolton				
S002		R	P	7215	80
40431	Deadman Lake				
M001		R	T	7267	83,84,85,87,88
14209	Effelsberg				
S001		R	P	7203	79-83
40408	Fairbanks				
S002		R	P	7225	84-
40489	Hat Creek				
S001		R	P	7218	83-
50116	Hobart				
S002		R	P	7242	89-
14202	Hohenbunstorff				
M002		R	T	7600	89
30302	Johannesburg				
S001		R	P	7232	87-
40419	Kodiak				
M001		R	T	7278	84,85,86,87,88
40454	Leonard				
M001		R	T	7292	87
40437	Mammoth Lakes				
M001		R	T	7259	83,84,86
40455	Miles City				
M001		R	T	7038	88
21718	Miyazaki				
S001		R	T	7312	90-
21725	Nobeyama				
S001		R	P	7244	89-

40421	Nome				
M001		R	T	7279	84,85,86
40449	Ocotillo				
M001		R	T	7270	83,84,85
10402	Onsala				
S002		R	P	7213	77-
40403	Palos Verdes				
M001		R	T	7268	80,81,83,85,87,88,89
40105	Penticton				
M001		R	T	7283	84,85
40456	Pietown				
M001		R	T	7234	89
40407	Pinyon Flats				
M001		R	T	7256	81,83,84,85,86,87,88
40410	Point Reyes				
M001		R	T	7251	81,83,84,85,87,88
40423	Sandpoint				
M001		R	T	7280	84,85,86,87,88
40406	San Francisco (Presidio)				
M001		R	T	7252	81,83,84,85,87,88
40428	Santa Paola				
M001		R	T	7255	81,83,84,85,87,88,89
40457	Seattle				
M001		R	T	7229	87,88
40425	Sourdough				
M001		R	T	7281	84,85,86,87,88
21730	Tsukuba				
S001		R	T	7311	87
40129	Victoria				
M001		R	P	7289	90
40118	Whitehorse				
M001		R	T	7284	84,85,86,88
40416	Yakataga				
M001		R	T	7277	84,85,86,87,88
40127	Yellowknife				
M001		R	T	7285	84,85

Table T4

Summary of available solutions for IERS sites

R : 1 SSC(NGS) 91 R 01, estimation 1988
 2 SSC(GSFC) 91 R 02, estimation 1979-1992 GLB718
 3 SSC(USNO) 91 R 02, AM0-2, 17/10/1980
 4 SSC(JPL) 91 R 01, AM0-2, 1988

 M : 1 SSC(JPL) 91 M 01, AM0-2 1988
 2 SSC(UTXMO) 91 M 01, AM0-2 1984

 L : 1 SSC(CSR) 91 L 03, estimation - AM0-2 1988
 2 SSC(GSFC) 91 L 01, AM0-2 1983
 3 SSC(GAOUA) 91 L 01, AM1-2 1988
 4 SSC(ZIPE) 91 L 01, AM0-2 1988
 5 SSC(DGFII) 91 L 01, estimation 1983-1988
 6 SSC(DUT) 91 L 01, estimation 1988
 7 SSC(NAL) 91 L 01, AM0-2 1988

SITE	DOMES NUMBER	CDP NUM.	R 1234	M 12	L 1234567
-----	-----	-----	-----	---	-----
Algonquin	40104 S001	7282	R123		
American Samoa	50503 M001	7096			L12 5
Arequipa	42202 S001 M003	7907 7403			L1234567 L1 34
Askites	12612 M001	7510			L123456
Austin	40412 M001 M003	7890 7271	R 2		L 2 5
Bar Giyyora	20702 M001	7530			L12 56
Bear Lake	40438 M001 M002	7082 7046			L12 5 L1 3
Bermuda	42501 M001	7067			L12

	M002 7294 R 2	
Black Butte	40430	
	M001 7269 R 2	
Bloomington	40452	
	M001 7291 R 2	
Bologna-Medicina	12711	
	S001 7230 R12	
	M002 7546	L12 5
Brest	10004	
	M002 7604 R 2	
Borowiec	12205	
	S001 7811	L123456
Cabo San Lucas	40505	
	M001 7882	L12 5
Cagliari	12725	
	M002 7545	L123456
Canberra-Orroral -Tidbinbilla	50103	
	S005 1542 R 4	
	S001 1543 R 4	
	S006 1544 R	
	S010 1545 R12 4	
	S007 7843	L123456
	S003 7943	L12
Carnusty	13296	
	M001 7603 R 2	
Carrollton	40453	
	M001 7228 R 2	
Cerro Tololo	41706	
	M001 7401	L12345
Chichijima	21732	
	S001 7844 R 2	
	S002 7844	L 2
Chilbolton	13201	
	S002 7215 R12	
Deadman Lake	40431	
	M001 7267 R 2	
Dionysos	12602	
	M002 7515	L123456
	S001 7940	L1

Diyarbakir	20802		
	M001 7575		L123456
Easter Island	41703		
	M001 7061		L 2 5
	M002 7097		L123456
Effelsberg	14209		
	S001 7203 R12		
Ely	40432		
	M001 7286 R 2		
	M002 7257 R 2		
Ensenada	40506		
	M001 7883		L1234 6
Fairbanks	40408		
	S002 7225 R123		
Flagstaff	40491		
	M003 7261 R 2		
	M002 7891		L12 5
Fort Davis -McDonald	40442		
	S003 7216 R12		
	M006 7080	M12	L123456
	M001 7086	M12	L12 567
	S002 7206	M12	
	M005 7885		L12 5
	M007 7900 R 2		
	M008 7850 R 2		
Fort Ord	40427		
	M001 7266 R 2		
	M002 7241 R 2		
Goldstone-Mojave	40405		
	S003 1512 R 4		
	S014 1513 R 2 4		
	S001 1514 R 4		
	S019 7231 R 2 4		
	S009 7222 R123		
	M013 7288 R 2		L123456
	M001 7085		L1
	M002 7115		L12 5
	M006 7265		L12 5
Grasse	10002		
	S002 7845	M12	
	S001 7835		L1234567
	M003 7605 R 2		

Graz	11001 S002 7839	L1234567
Greenbank	40441 S001 7204 R12 S004 7214 R 23	
Hat Creek	40489 S001 7218 R12	
Haystack-Westford	40440 S002 7205 R12 S003 7209 R123 M001 7091	L12 5
Helwan	30101 S001 7831	L123456
Herstmonceux	13212 S001 7840	L1234567
Hobart	50116 S002 7242 R12	
Hohenbunstorff	14202 M002 7600 R 2	
Huahine	92202 M002 7121 M002 7123	L12 567 L123456
Ishigaki shima	21736 S001 7307	L 2
Johannesburg	30302 S001 7232 R12	
Karitsa	12614 M001 7520	L123456
Kashima	21701 S001 1856 R12 S004 1857 R12	
Katavia	12615 M001 7512	L12 456
Kauai	40424 S001 1311 R123	
Kodiak	40419 M001 7278 R 2	
Kootwijk	13504	

	M002 8833		L123456
	S001 7833		L12 7
Kwajalein Atoll	50505		
	S003 4968 R12		
	M001 7092		L12 5
Lampedusa	12706		
	M001 7544		L123456
Leonard	40454		
	M001 7292 R 2		
Madrid	13407		
	S001 1563 R 4		
	S003 1561 R 2 4		
	S010 1565 R12 4		
Mammoth Lakes	40437		
	M001 7259 R 2		
Maryland Point	40490		
	S001 7217 R123		
Matera	12734		
	M004 7541		L12 5
	M005 7540		L1 5
	S001 7939		L1234567
	S005 7243 R 23		
Maui/	40445/40424		
Kokee Park			
	/S001 1311 R123		
	M002 7120 R 2		L12 5
	M001 7210	M12	L1234567
Mazatlan	40504		
	M001 7122		L1234567
Melengiclick	20803		
	M001 7580		L123456
Metsahovi	10503		
	S001 7805		L1234 7
	M002 7601 R 2		
Miyazaki	21718 7312 R 2		
Minami Tori sima	21733		
	S001 7300		L
	S002 7310 R 2		
Miles City	40455		

	M001 7038 R 2	
Monument	40497/40436	
Peak/San Diego-	M002 7220 R	L123 5
Otay Mountain	M003 7274 R 2	L1
	M001 7110	L1234567
	/M003 7035	L12 5
	/M002 7062	L12 5
Mount Hopkins	40434	
	M002 7888	L12 5
	S001 7921	L12 5
Natal	41604	
	S001 7929	L12 5
Nobeyama	21725	
	S001 7244 R12	
Nome	40421	
	M001 7279 R 2	
Noto	12717	
	S001 7547 R123	
Ocotillo	40449	
	M001 7270 R 2	
Onsala	10402	
	S002 7213 R12	
Owens Valley	40439	
	S002 7207 R12	
	M004 7853 R 2	L12 45
	M003 7084	L1
	M001 7114	L12 5
Palos Verdes	40403	
	M001 7268 R 2	
Pasadena	40400	
	M003 7263 R 2	
	M005 7264 R	
	M006 7272 R	
	M001 7896	L12
Patrick AFB	40417	
	M002 7069	L12 4
Pearblossom	40404	
	M001 7254 R 2	
	M002 7253 R 2	
Penticton	40105	
	M001 7283 R 2	

Pietown	40456 S001 7234 R12	
Pinyon Flats	40407 M001 7256 R 2	
Platteville	40496 M002 7258 R12 M001 7112	L123 5 7
Point Reyes	40410 M001 7251 R 2	
Potsdam	14106 S001 1181	L12345 7
Quincy	40433 M004 7221 R 2 M006 7260 R M001 7051 M002 7109 M005 7886	L12 L1234567 L12 5
Richmond	40499 S001 7219 R123 M002 7295	L12 5
Riga	12302 S002 1884	L12345
Roumelli	12613 M001 7517	L123456
Sandpoint	40423 M001 7280 R 2	
San Fransisco	40406 M001 7252 R 2	
Santa Paola	40428 M001 7255 R 2	
Santiago	41705 M001 7400	L12 5
Santiago de Cuba	40701 S001 1953	L12345
Seattle	40457 M001 7229 R 2	
Sest	41709 S001 7239 R12	

Shanghai	21605	
	S008 7226 R 2	
	S009 7227 R12	
	S001 7837	L1234
Simeis-Katzively	12337	
	S003 1873	L1 45
	S006 1893	L1 345
Simosato	21726	
	M002 7838	L123456
Sourdough	40425	
	M001 7281 R 2	
Trieste	12718	
	M002 7550	L12 456
Tromso	10302	
	M002 7602 R 2	L1 3
Tsukuba	21730	
	S001 7311 R 2	
Vandenberg	40420	
	M001 7111 R	
	M002 7223 R12	
	M004 7887	L
Vernal	40492	
	M002 7290 R 2	
	M001 7892	L12 5
Victoria	40129	
	M001 7289 R 2	
Washington /Maryland Point	40451/40490	
	/S001 7217 R123	
	M112 7063	L12 5
	M107 7064	L
	M108 7065	L1
	M106 7100	L1
	M101 7101	L1
	M102 7102 R 2	L1 5
	M103 7103	L1 5
	M104 7104	L1
	M105 7105	L1234567
	M114 7125	L12 5
	M116 7130	L1
	M119 7917	L
	M120 7918	L1 34
	M121 7919	L1
	M117 7920	L1 345
	M118 7889	L

	M111 7899	L12 5
Wettzell	14201	
	S004 7224 R12	
	S002 7834	L1234567
	M004 7596	L1 5
	M005 7597	L1
	M007 7599	L1
Whitehorse	40118	
	M001 7284 R 2	
Wuhan	21602	
	S003 7236	L1
Xrisokalaria	12616	
	M001 7525	L123456
Yakataga	40416	
	M001 7277 R 2	
Yaragadee	50107	
	M001 7090	L1234567
Yellowknife	40127	
	M001 7285 R 2	
Yigilca	20804	
	M001 7587	L123456
Yozgat	20802	
	M001 7585	L123456
Yuma	40493	
	M002 7273 R	
	M001 7894 R 2	L12 5
Zimmerwald	14001	
	S001 7810	L1234567

Table T5

Local eccentricities for IERS
colocation sites

12711 Bologna

A	M002	S001	-29.5309 .0005	29.9040 .0011	48.5558 .0049	Ref: (1),(2)
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50103 Canberra-Orroral-Tidbinbilla

A	S007	S003	-1071.832 0.100	-993.102 0.100	1255.304 0.100	Ref: (7)
		S010	-14458.347 0.027	4638.683 0.027	21870.028 0.027	Ref: (7)
-B	S005	S001	86.428 0.010	-51.970 0.005	-166.511 0.010	Ref: (11)
-B	S010	S001	40.658 0.010	-404.152 0.010	-367.185 0.010	Ref: (11)

21732 Chichijima

A	S001	S002	-1716.283 0.040	-1462.147 0.040	-539.508 0.040	Ref: (12)
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40491 Flagstaff

A	M002	M003	-15.9330 .0010	17.2130 .0030	14.3670 .0030	Ref: (2)
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40442 Fort Davis

A	M001	M005	0.000 0.003	0.000 0.003	0.000 0.003	Ref: (3)
		S001	4.356 0.003	-5.631 0.003	-3.556 0.003	Ref: (3)
		S002	-655.977 0.003	-228.944 0.003	-452.568 0.003	Ref: (3)

	S003		5914.3973 .0035	-3496.5099 .0120	-4031.8616 .0069	Ref: (2)
	M008		117.2017 0.003	135.0619 0.003	352.4838 0.003	Ref: (6)
B	S003	M006	-5810.0685 .0026	3621.2944 .0100	4362.4228 .0059	Ref: (2)
	M009		-16.9714 0.003	-39.9062 0.003	-95.3390 0.003	Ref: (6)

40405 Goldstone

A	S009	M013	-323.1130 .0070	148.2132 .0129	-43.9926 .0097	Ref: (2)
	M006		-304.746 0.003	137.590 0.003	-45.871 0.003	Ref: (3)
B	M001	S019	-144.572 0.003	-119.976 0.003	-229.148 0.003	Ref: (2)
	S009		-2776.813 0.003	-5226.260 0.003	-8428.647 0.003	Ref: (3)
	M002		2532.555 0.003	-14016.623 0.003	-15901.406 0.003	Ref: (3)
C	M002	S014	-267.5030 .0020	69.1790 .0030	-40.9430 .0020	Ref: (2)

10002 Grasse

A	S001	S002	0.578 0.003	36.473 0.003	-4.438 0.003	Ref: (3)
	M003		6.015 0.003	-33.735 0.003	-8.102 0.003	Ref: (5)

40440 Haystack

A	M001	S002	-48.8650 .0010	12.2640 .0020	65.8060 .0020	Ref: (2),(3)
	S003		-247.0020 .0030	-851.7200 .0040	-800.4280 .0040	Ref: (2),(3)

50505 Kwajalein Atoll

A	M001	S003	-89.234	-702.977	544.240	Ref: (3),(4)
			0.003	0.003	0.003	

40445/40424 Maui/Kokee Park

A	M001	S005	-.483	-.212	1.003	Ref: (3)
			0.003	0.003	0.003	
		M002	8.014	19.409	40.927	Ref: (3)
			0.003	0.003	0.003	
B	/S001	M001	77839.523	-349863.790	-145626.288	Ref: (1)
			.014	.006	.006	
C	S005	S002	3.408	1.499	9.075	REF: (10)

10503 Metsahovi

A	S001	M002	-1942.700	-1512.472	1347.868	Ref: (9)
			0.003	0.003	0.003	

40497/40436 Monument Peak/ San Diego-Otay Mountain

A	M001	M002	-14.269	6.872	-.596	Ref: (3)
			0.003	0.003	0.003	
		M003	-11.3947	7.8021	2.5225	Ref: (2)
			.0040	.0020	.0010	
B	/M003	M003	42537.2846	-2592.2578	27616.9206	Ref: (2)
			.0061	.0180	.0170	
		/M002	0.7557	3.8313	5.6376	Ref: (6)
			0.003	0.003	0.003	

40439 Owens Valley

A	M004	M003	-169.108 0.003	55.235 0.003	-41.459 0.003	Ref: (3)
		M001	-1.223 0.003	-2.261 0.003	-3.617 0.003	Ref: (3)
		S002	820.4891 .0052	-549.1188 .0085	-87.1157 .0085	Ref: (2)

40400 Pasadena

A	M001	M003	-94.0640 .0030	31.9450 .0020	-55.1210 .0020	Ref: (2)
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40496 Platteville

A	M001	M002	-29.8944 .0005	9.0355 .0007	1.0253 .0005	Ref: (2)
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40433 Quincy

A	M002	M001	341.574 0.003	-288.820 0.003	-158.155 0.003	Ref: (3)
		M004	3.8898 .0019	-38.9866 .0012	-38.4094 .0013	Ref: (8)
		M005	-7.611 0.003	5.308 0.003	0.615 0.003	Ref: (3)
		M006	250.894 0.003	-256.753 0.003	-178.597 0.003	Ref: (3)

40499 Richmond

A	M002	S001	-60.8770 .0030	0.9310 .0020	44.2120 .0020	Ref: (2), (4)
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21605 Shanghai

A	S001	S009	-598.875 .010	-469.603 .010	154.995 .010	Ref: (2)
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40451 Washington

A	M105	M112	-4.947 0.003	-17.162 0.003	-19.125 0.003	Ref: (3)
		M107	-30.463 0.003	8.595 0.003	16.961 0.003	Ref: (3)
		M106	635.813 0.003	182.229 0.003	25.164 0.003	Ref: (3)
		M101	520.577 0.003	170.825 0.003	41.961 0.003	Ref: (3)
		M102	-33.112 0.003	-2.452 0.003	4.398 0.003	Ref: (3)
		M103	-34.066 0.003	1.868 0.003	9.839 0.003	Ref: (3)
		M104	376.110 0.003	153.626 0.003	64.228 0.003	Ref: (3)
		M111	645.036 0.003	181.778 0.003	22.412 0.003	Ref: (3)

14201 Wettzell

A	S002	S004	10.003 0.003	-46.149 0.003	11.072 0.003	Ref: (3), (4)
		M004	52.559 0.003	55.916 0.003	-58.337 0.003	Ref: (13)
		M005	72.017	45.135	-70.501	Ref: (13)

References

- (1) Message from D. Robertson, NGS, 7 April 1989.
- (2) Draft "Comparison of GSFC/VLBI and CSR/SLR geocentric coordinates. Epoch 1988 Jan 01", Presented at CDP Investigator Meeting, Pasadena, 1989.
- (3) Derived from Table 3 of IERS Technical Note "The Initial IERS Terrestrial Reference Frame".
- (4) Message from B. Carter, NGS,, 27 Feb. 1989.
- (5) IGN data base.

- (6) CDP Catalogue of Site Information, May, 1989.
- (7) Orroral - Tidbinbilla tracking station adjustment, Tom Morrison, 23 March 1990.
- (8) Comparaison of VLBI and SLR geocentric site coordinates, J.R. Ray, J.W. Ryan, C. Ma, T.A. Clark, B.E. Schutz, R.J. Eanes, M.M. Watkins, B.D. Tapley, 29 March 1990.
- (9) Message from J. Kakkuri, Finnish Geodetic Institut, 17 April 1990.
- (10) JPL LLR solutions: SSC(JPL) 85 M 02 , SSC(JPL) 86 M 02
- (11) Finger M.H., W.M. Folkner (1990), A determination of the radio-planetary frame tie and the DSN tracking station locations. AIAA/AAS Astrodynamics conference, Aug. 20-22, 1990, Portland, Oregon (AIAA 90-2905).
- (12) Tobita M., S. Matsuzaka, Y. Takahashi, A. Sengoku, (1991), VLBI, SLR Colocation in Chichijima, IERS Workshop, April 29 - May 3, 1991, Mizusawa, Japan.
- (13) Schluter, W., Rottcher, K, R. Stoger, T. Klesen, (1990), Local Surveys at the fundamentalstation Wettwzll, Status: October 1990.

Table T6
SSC(IERS) 91 C 01
STATION COORDINATES IN ITRF90 FOR EPOCH 1988.0

DOMES NUMBER	NAME	CDP NUM.	NETWORK (*)	X m	Y m	Z m	SX m	SY m	SZ m	PLATE
10002M003	GRASSE	VLBI 7605	1	4581697.803	556125.628	4389351.293	0.010	0.009	0.010	EURA
10002S001	GRASSE	SLR 7835	5 6 7 8 9 10 11	4581691.787	556159.365	4389359.392	0.010	0.009	0.010	EURA
10002S002	GRASSE	LLR 7845	12 13	4581692.365	556195.838	4389354.954	0.010	0.010	0.011	EURA
10004M002	BREST	VLBI 7604	1	4228877.229	-333104.316	4747180.874	0.019	0.011	0.023	EURA
10302M002	TROMSO	VLBI 7602	1 5 10	2102904.239	721602.442	5958201.246	0.014	0.012	0.021	EURA
10402S002	ONSALA	VLBI 7213	1 2	3370606.188	711917.386	5349830.623	0.011	0.010	0.012	EURA
10503M002	METSAHOVI	VLBI 7601	1	2890652.903	1310295.217	5513958.593	0.018	0.014	0.027	EURA
10503S001	METSAHOVI	SLR 7805	5 6 9	2892595.603	1311807.689	5512610.725	0.019	0.015	0.028	EURA
11001S002	GRAZ	SLR 7839	5 6 7 8 9 10 11	4194426.708	1162693.878	4647246.544	0.011	0.011	0.011	EURA
12205S001	BOROWIEC	SLR 7811	5 6 7 8 9 10	3738333.115	1148246.276	5021815.831	0.027	0.028	0.026	EURA
12302S002	RIGA	SLR 1884	5 6 7 9 10	3183896.022	1421496.909	5322803.412	0.028	0.027	0.023	EURA
12337S003	SIMEIS	SLR 1873	5 7 9 10	3783902.694	2551404.938	4441257.600	0.045	0.043	0.039	EURA
12337S006	KATZIVELY	SLR 1893	5 7 9 10	3785944.941	2550780.544	4439461.414	0.052	0.050	0.040	EURA
12602M002	DIONYSOS	SLR 7515	5 6 7 8 9 10	4595216.457	2039435.326	3912629.495	0.012	0.013	0.012	EURA
12602S001	DIONYSOS	SLR 7940	5	4595217.317	2039464.445	3912613.141	1.341	1.341	1.341	EURA
12612M001	ASKITES	SLR 7510	5 6 7 8 9 10	4353444.901	2082666.302	4156506.657	0.013	0.013	0.013	EURA
12613M001	ROUMELLI	SLR 7517	5 6 7 8 9 10	4728694.660	2174373.343	3674572.995	0.012	0.013	0.013	EURA
12614M001	KARITSA	SLR 7520	5 6 7 8 9 10	4596042.650	1733476.750	4055720.857	0.013	0.014	0.013	EURA
12615M001	KATAVIA	SLR 7512	5 6 7 8 9 10	4573400.068	2409322.231	3723881.758	0.012	0.013	0.013	EURA
12616M001	XRISOKALAR	SLR 7525	5 6 7 8 9 10	4745949.583	1905705.928	3799169.044	0.013	0.014	0.013	EURA
12706M001	LAMPEDUSA	SLR 7544	5 6 7 8 9 10	5072832.009	1130886.254	3684836.964	0.013	0.014	0.014	EURA
12711M002	BOLOGNA	SLR 7546	5 6 7	4461399.706	919566.782	4449510.513	0.012	0.011	0.014	EURA
12711S001	BOLOGNA	VLBI 7230	1 2	4461370.175	919596.686	4449559.068	0.011	0.011	0.013	EURA
12717S001	NOTO	VLBI 7547	1 2 3	4934563.318	1321201.139	3806484.322	0.017	0.012	0.018	EURA
12717S002	NOTO	SLR 7543	5	4934531.665	1321133.632	3806521.355	0.044	0.050	0.039	EURA
12718M002	TRIESTE	SLR 7550	5 6 7 8 9	4336738.609	1071271.469	4537911.048	0.017	0.019	0.018	EURA
12725M002	CAGLIARI	SLR 7545	5 6 7 8 9 10	4893398.110	772673.307	4004140.977	0.012	0.014	0.013	EURA
12734M004	MATERA	SLR 7541	5 6 7	4641990.314	1393042.316	4133231.852	0.028	0.031	0.024	EURA
12734M005	MATERA	SLR 7540	5 7	4641984.597	1393057.759	4133233.451	0.044	0.043	0.033	EURA
12734S001	MATERA	SLR 7939	5 6 7 8 9 10 11	4641965.084	1393069.924	4133262.248	0.011	0.011	0.011	EURA
12734S005	MATERA	VLBI 7243	1 3	4641939.007	1393002.891	4133325.431	0.016	0.012	0.018	EURA
13201S002	CHILBOLTON	VLBI 7215	1 2	4008310.189	-100650.868	4943794.661	0.017	0.012	0.022	EURA
13212S001	HERSTMONCE	SLR 7840	5 6 7 8 9 10 11	4033463.840	23662.327	4924305.042	0.010	0.010	0.010	EURA
13296M002	CARNUSTY	VLBI 7603	1	3526416.515	-171421.224	5294098.752	0.023	0.013	0.031	EURA
13407S001	MADRID	VLBI 1563	4	4849092.719	-360180.660	4115109.033	0.030	0.029	0.039	EURA
13407S003	MADRID	VLBI 1561	1 4	4849245.293	-360278.264	4114884.376	0.032	0.021	0.038	EURA
13407S010	MADRID	VLBI 1565	1 2 4	4849336.785	-360488.940	4114748.661	0.015	0.010	0.017	EURA
13504M002	KOOTWIJK	SLR 8833	5 6 7 8 9 10	3899237.888	396769.207	5015055.233	0.018	0.019	0.017	EURA
13504S001	KOOTWIJK	SLR 7833	5 6 11	3899224.163	396742.867	5015073.870	0.048	0.038	0.032	EURA
14001S001	ZIMMERWALD	SLR 7810	5 6 7 8 9 10 11	4331283.634	567549.564	4633139.955	0.011	0.012	0.011	EURA
14005M002	MONTE GENE	SLR 7590	6 7	4390309.896	696752.014	4560835.916	0.070	0.078	0.093	EURA
14106S001	POTSDAM	SLR 1181	5 6 7 9 10 11	3800621.294	882005.320	5028859.524	0.021	0.019	0.018	EURA
14201M004	WETTZELL	SLR 7596	5 7	4075582.623	931837.199	4801559.858	0.009	0.009	0.010	EURA
14201M005	WETTZELL	SLR 7597	5	4075602.081	931826.419	4801547.694	0.010	0.009	0.010	EURA
14201M007	WETTZELL	SLR 7599	5	4075514.873	931753.442	4801630.780	0.084	0.090	0.058	EURA
14201S002	WETTZELL	SLR 7834	5 6 7 8 9 10 11	4075530.065	931781.284	4801618.195	0.009	0.009	0.009	EURA
14201S004	WETTZELL	VLBI 7224	1 2	4075540.066	931735.138	4801629.264	0.009	0.009	0.009	EURA
14202M002	HOHENBUNST	VLBI 7600	1	3778215.021	698644.658	5074053.495	0.015	0.012	0.019	EURA

14209S001	EFFELSBERG	VLBI	7203	1	2							4033947.629	486990.373	4900430.712	0.030	0.020	0.044	EURA
20702S001	BAR GIYYOR	SLR	7530	5	6	7	8					4443968.405	3121946.894	3334695.448	0.020	0.020	0.021	AFRC
20801M001	DIYARBAKIR	SLR	7575	5	6	7	8	9	10			3848635.978	3251760.907	3898909.249	0.013	0.014	0.014	EURA
20802M001	YOZGAT	SLR	7585	5	6	7	8	9	10			4029730.680	2802093.273	4062068.013	0.014	0.015	0.014	EURA
20803M001	MELENGICLI	SLR	7580	5	6	7	8	9	10			4247620.514	2778638.952	3851607.525	0.014	0.015	0.014	EURA
20804M001	YIGILCA	SLR	7587	5	6	7	8	9	10			4117362.021	2517076.831	4157679.059	0.013	0.014	0.013	EURA
21602S003	WUHAN	SLR	7236	5								-2266555.465	5009079.402	3222266.138	0.114	0.106	0.097	EURA
21605S001	SHANGHAI	SLR	7837	5	6	9	10					-2831087.772	4676203.432	3275172.824	0.017	0.019	0.021	EURA
21605S008	SHANGHAI	VLBI	7226	1								-2847698.170	4659872.912	3283958.884	0.248	0.213	0.194	EURA
21605S009	SHANGHAI	VLBI	7227	1	2							-2831686.644	4675733.830	3275327.814	0.015	0.016	0.020	EURA
21701S001	KASHIMA	VLBI	1856	1	2							-3997892.253	3276581.271	3724118.327	0.013	0.012	0.018	NOAM
21701S004	KASHIMA	VLBI	1857	1	2							-3997649.185	3276690.784	3724278.931	0.014	0.013	0.020	NOAM
21718S001	MIYAZAKI	VLBI	7312	1								-3582767.785	4052034.035	3369020.609	0.052	0.056	0.053	EURA
21725S001	NOBEYAMA	VLBI	7244	1	2							-3871168.192	3428273.969	3723697.670	0.073	0.065	0.068	EURA
21726S001	SIMOSATO	SLR	7838	5	6	7	8	9	10	11		-3822388.322	3699363.449	3507573.122	0.011	0.012	0.013	EURA
21730S001	TSUKUBA	VLBI	7311	1								-3957172.885	3310237.929	3737709.000	0.025	0.021	0.028	EURA
21732S001	CHICHIJIMA	VLBI	7844	1								-4489356.696	3482989.498	2887931.178	0.068	0.056	0.061	EURA
21732S002	CHICHIJIMA	SLR	7844	6								-4491072.979	3481527.352	2887391.669	0.086	0.077	0.081	EURA
21733S001	MINAMI TOR	VLBI	7310	1								-5227446.827	2551379.177	2607604.748	0.035	0.021	0.030	PCFC
21736S001	ISHIGAKI S	SLR	7307	6								-3265754.278	4810000.615	2614265.453	0.853	0.551	0.616	EURA
30101S001	HELWAN	SLR	7831	5	6	7	8	9	10			4728283.581	2879670.438	3156894.407	0.017	0.017	0.017	AFRC
30302S001	JOHANNESBU	VLBI	7232	1	2							5085442.793	2668263.347	-2768697.239	0.022	0.020	0.017	AFRC
40104S001	ALGONQUIN	VLBI	7282	1	2	3						918034.925	-4346132.229	4561971.125	0.007	0.008	0.009	NOAM
40105M001	PENTICTON	VLBI	7283	1								-2058840.323	-3621286.401	4814420.769	0.018	0.028	0.035	NOAM
40118M001	WHITEHORSE	VLBI	7284	1								-2215213.522	-2209261.592	5540292.522	0.014	0.014	0.024	NOAM
40127M001	YELLOWKNIF	VLBI	7285	1								-1224124.428	-2689530.674	5633555.422	0.063	0.136	0.280	NOAM
40129M001	VICTORIA	VLBI	7289	1								-2341310.007	-3539083.857	4745768.375	0.022	0.034	0.041	NOAM
40400M001	PASADENA	SLR	7896	5	6	7						-2493211.846	-4655229.545	3565574.490	0.013	0.018	0.014	PCFC
40400M003	PASADENA	VLBI	7263	1								-2493305.910	-4655197.600	3565519.368	0.013	0.018	0.014	PCFC
40403M001	PALOS VERD	VLBI	7268	1								-2525452.709	-4670035.687	3522886.775	0.015	0.022	0.018	PCFC
40404M001	PEARBLOSSO	VLBI	7254	1								-2464070.832	-4649425.642	3593905.713	0.017	0.030	0.022	PCFC
40405M001	GOLDSTONE	SLR	7085	5								-2353394.097	-4641529.599	3676899.218	0.010	0.012	0.011	NOAM
40405M002	GOLDSTONE	SLR	7115	5	6	7						-2350861.545	-4655546.278	3660997.863	0.009	0.011	0.010	NOAM
40405M006	GOLDSTONE	SLR	7265	5	6	7						-2356475.648	-4646618.302	3668424.749	0.008	0.008	0.008	NOAM
40405M013	GOLDSTONE	VLBI	7288	1	5	6	7	8	9	10		-2356494.020	-4646607.687	3668426.642	0.008	0.010	0.009	NOAM
40405S001	GOLDSTONE	VLBI	1514	4								-2353621.116	-4641341.566	3677052.334	0.023	0.026	0.028	NOAM
40405S003	GOLDSTONE	VLBI	1512	4								-2350443.678	-4651980.869	3665630.978	0.025	0.028	0.030	NOAM
40405S009	GOLDSTONE	VLBI	7222	1	2	3						-2356170.902	-4646755.892	3668470.620	0.007	0.007	0.007	NOAM
40405S014	GOLDSTONE	VLBI	1513	1	4							-2351129.048	-4655477.098	3660956.921	0.009	0.011	0.010	NOAM
40405S019	GOLDSTONE	VLBI	7231	1	4							-2353538.669	-4641649.572	3676670.066	0.009	0.012	0.011	NOAM
40406M001	PRESIDIO	VLBI	7252	1								-2707704.784	-4257609.615	3888374.196	0.012	0.014	0.013	NOAM
40406M002	PRESIDIOpq	VLBI	7252	1								-2707704.762	-4257609.590	3888374.161	0.020	0.030	0.026	NOAM
40407M001	PINYON FLA	VLBI	7256	1								-2369635.857	-4761324.926	3511116.154	0.011	0.015	0.013	PCFC
40408S002	FAIRBANKS	VLBI	7225	1	2	3						-2281547.082	-1453645.031	5756993.223	0.008	0.009	0.009	NOAM
40410M001	POINT REYE	VLBI	7251	1								-2732333.014	-4217634.906	3914491.063	0.011	0.014	0.013	PCFC
40412M001	AUSTIN	SLR	7890	6	7							-754161.868	-5459061.362	3200743.970	0.388	0.366	0.262	NOAM
40412M003	AUSTIN	VLBI	7271	1								-737793.712	-5459892.279	3202990.491	0.012	0.034	0.020	NOAM
40416M001	YAKATAGA	VLBI	7277	1								-2529744.141	-1942091.307	5505027.988	0.019	0.015	0.032	NOAM
40416M002	YAKATAGApq	VLBI	7277	1								-2529744.163	-1942091.255	5505027.842	0.017	0.015	0.032	NOAM
40417M002	PATRICK AF	SLR	7069	6	7							917958.892	-5548370.343	2998776.542	0.404	0.286	0.344	NOAM
40419M001	KODIAK	VLBI	7278	1								-3026940.081	-1575911.788	5370362.503	0.014	0.012	0.019	NOAM
40420M002	VANDENBERG	VLBI	7223	1	2							-2678094.656	-4525450.837	3597410.150	0.008	0.008	0.009	PCFC
40421M001	NOME	VLBI	7279	1								-2658150.358	-693821.895	5737236.634	0.015	0.012	0.027	NOAM
40423M001	SANDPOINT	VLBI	7280	1								-3425461.827	-1214669.128	5223858.278	0.017	0.012	0.024	NOAM
40424S001	KAUAI	VLBI	1311	1	2	3						-5543845.962	-2054564.185	2387813.805	0.009	0.009	0.010	PCFC

40425M001 SOURDOUGH VLBI 7281 1	-2419993.403 -1664228.738 5643538.272 0.019 0.015 0.040 NOAM
40425M002 SOURDOUGHpqVLBI 7281 1	-2419993.391 -1664228.746 5643538.294 0.015 0.014 0.030 NOAM
40427M001 FORT ORD VLBI 7266 1	-2697026.681 -4354393.326 3788077.620 0.015 0.020 0.018 PCFC
40427M002 FORT ORD VLBI 7241 1	-2699840.109 -4359127.018 3781050.899 0.061 0.095 0.077 PCFC
40427M003 FORT ORDpq VLBI 7241 1	-2699840.046 -4359126.947 3781050.894 0.101 0.161 0.129 PCFC
40428M001 SANTA PAOL VLBI 7255 1	-2554476.584 -4608627.396 3582138.311 0.015 0.024 0.018 PCFC
40430M001 BLACK BUTT VLBI 7269 1	-2306306.864 -4787914.436 3515736.432 0.013 0.022 0.017 NOAM
40431M001 DEADMAN LA VLBI 7267 1	-2336819.577 -4732586.989 3570330.009 0.017 0.027 0.022 NOAM
40432M001 ELY VLBI 7286 1	-2077236.219 -4486712.719 4018753.762 0.011 0.015 0.013 NOAM
40433M001 QUINCY SLR 7051 5 6 7	-2516893.113 -4198845.059 4076411.532 0.009 0.009 0.009 NOAM
40433M002 QUINCY SLR 7109 5 6 7 8 9 10 11	-2517234.688 -4198556.237 4076569.690 0.008 0.008 0.008 NOAM
40433M004 QUINCY VLBI 7221 1	-2517230.798 -4198595.225 4076531.281 0.008 0.008 0.008 NOAM
40433M005 QUINCY SLR 7886 5 6 7	-2517242.298 -4198550.929 4076570.306 0.009 0.009 0.009 NOAM
40434M002 MOUNT HOPK SLR 7888 5 6 7	-1936744.250 -5077639.089 3331993.894 0.055 0.043 0.051 NOAM
40434S001 MOUNT HOPK SLR 7921 5 6 7	-1936760.040 -5077707.093 3331922.413 0.047 0.041 0.042 NOAM
40436M002 SAN DIEGO SLR 7062 5 6 7	-2428825.840 -4799750.503 3417272.719 0.010 0.014 0.014 PCFC
40436M003 SAN DIEGO SLR 7035 5 6 7	-2428826.595 -4799754.334 3417267.080 0.010 0.014 0.014 PCFC
40437M001 MAMMOTH LA VLBI 7259 1	-2448246.665 -4426738.292 3875435.879 0.031 0.055 0.047 NOAM
40438M001 BEAR LAKE SLR 7082 5 6 7	-1735997.105 -4425048.291 4241430.443 0.046 0.031 0.032 NOAM
40438M002 BEAR LAKE SLR 7046 5 10	-1736002.993 -4425049.624 4241427.101 0.035 0.033 0.027 NOAM
40439M001 OWENS VALL SLR 7114 5 6 7	-2410422.365 -4477802.690 3838686.719 0.009 0.010 0.009 NOAM
40439M003 OWENS VALL SLR 7084 5	-2410590.100 -4477745.252 3838648.416 0.180 0.170 0.113 NOAM
40439M004 OWENS VALL VLBI 7853 1 5 6 7	-2410421.142 -4477800.427 3838690.337 0.008 0.010 0.009 NOAM
40439S002 OWENS VALL VLBI 7207 1 2	-2409600.658 -4478349.553 3838603.226 0.007 0.008 0.008 NOAM
40440M001 WESTFORD SLR 7091 5 6 7	1492453.771 -4457278.766 4296815.916 0.007 0.007 0.008 NOAM
40440S002 WESTFORD VLBI 7205 1 2	1492404.907 -4457266.502 4296881.723 0.007 0.007 0.008 NOAM
40440S003 WESTFORD VLBI 7209 1 2 3	1492206.768 -4458130.491 4296015.490 0.007 0.007 0.008 NOAM
40441S001 GREENBANK VLBI 7204 1 2	882880.044 -4924482.287 3944130.639 0.008 0.010 0.011 NOAM
40441S004 GREENBANK VLBI 7214 1 3	882325.729 -4925137.976 3943397.637 0.008 0.010 0.010 NOAM
40442M001 FORT DAVIS SLR 7086 5 6 7 8 11 12 13	-1330125.263 -5328526.640 3236150.272 0.007 0.009 0.008 NOAM
40442M005 FORT DAVIS SLR 7885 5 6 7	-1330125.264 -5328526.639 3236150.272 0.008 0.010 0.009 NOAM
40442M006 FORT DAVIS SLR 7080 5 6 7 8 9 10 12 13	-1330020.934 -5328401.864 3236480.824 0.007 0.009 0.008 NOAM
40442M008 FORT DAVIS VLBI 7850 1	-1330008.061 -5328391.577 3236502.754 0.008 0.009 0.009 NOAM
40442M009 FORT DAVIS VLBI 7900 1	-1324227.838 -5332063.046 3232023.057 0.007 0.008 0.008 NOAM
40442S002 FORT DAVIS LLR 7206 12 13	-1330781.240 -5328755.587 3235697.704 0.008 0.010 0.009 NOAM
40442S003 FORT DAVIS VLBI 7216 1 2	-1324210.865 -5332023.140 3232118.396 0.006 0.007 0.007 NOAM
40445M001 MAUI SLR 7210 5 6 7 8 9 10 11	-5466006.469 -2404427.971 2242187.512 0.008 0.009 0.009 PCFC
40445M002 MAUI VLBI 7120 1 5 6 7	-5465998.452 -2404408.562 2242228.440 0.009 0.009 0.010 PCFC
40445S005 MAUI LLR 7210 12 13	-5466006.951 -2404428.182 2242188.515 0.009 0.009 0.010 PCFC
40449M001 OCOTILLO VLBI 7270 1	-2335601.024 -4832244.255 3434392.546 0.026 0.051 0.037 NOAM
40451M101 WASHINGTON SLR 7101 5	1131240.372 -4831179.745 3994148.459 0.008 0.009 0.009 NOAM
40451M102 WASHINGTON VLBI 7102 1 5 7	1130686.682 -4831353.023 3994110.896 0.008 0.008 0.008 NOAM
40451M103 WASHINGTON SLR 7103 5 7	1130685.728 -4831348.702 3994116.337 0.008 0.009 0.009 NOAM
40451M104 WASHINGTON SLR 7104 5	1131095.905 -4831196.944 3994170.726 0.008 0.009 0.009 NOAM
40451M105 WASHINGTON SLR 7105 5 6 7 8 9 10 11	1130719.795 -4831350.569 3994106.498 0.007 0.008 0.008 NOAM
40451M106 WASHINGTON SLR 7100 5	1131355.608 -4831168.341 3994131.662 0.008 0.009 0.009 NOAM
40451M108 WASHINGTON SLR 7065 5	1130692.183 -4831351.399 3994111.767 1.341 1.341 1.341 NOAM
40451M111 WASHINGTON SLR 7899 5 6 7	1131364.831 -4831168.792 3994128.910 0.008 0.009 0.009 NOAM
40451M112 WASHINGTON SLR 7063 5 6 7	1130714.847 -4831367.732 3994087.373 0.008 0.009 0.009 NOAM
40451M114 WASHINGTON SLR 7125 5 6 7	1130745.890 -4831368.038 3994077.085 0.033 0.028 0.026 NOAM
40451M116 WASHINGTON SLR 7130 5	1130735.434 -4831324.592 3994132.326 1.341 1.341 1.341 NOAM
40451M117 WASHINGTON SLR 7920 5 7 9 10	1130741.954 -4831369.768 3994076.129 0.031 0.032 0.037 NOAM
40451M120 WASHINGTON SLR 7918 5 9 10	1130705.397 -4831345.430 3994115.992 0.022 0.025 0.023 NOAM
40451S145 WASHINGTON SLR 7919 5	1130705.796 -4831347.464 3994117.513 1.341 1.341 1.341 NOAM
40452M001 BLOOMINGTO VLBI 7291 1	302384.543 -4941699.036 4007908.477 0.022 0.069 0.059 NOAM

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(*) 1 : SSC(GSFC) 91 R 02      2 : SSC(NGS) 91 R 01      3 : SSC(USNO) 91 R 02      4 : SSC(JPL) 91 R 01

      5 : SSC(CSR) 91 L 03      6 : SSC(GSFC) 91 L 01      7 : SSC(DGFII)91 L 01      8 : SSC(DUT) 91 L 01

      9 : SSC(ZIPE) 91 L 01     10 : SSC(GAUA)91 L 01     11 : SSC(NAL) 91 L 01     12 : SSC(UTMO)91 M 01

      13 : SSC(JPL) 91 M 01
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Table T7

TRANSFORMATION PARAMETERS FROM ITRF90 TO INDIVIDUAL SYSTEMS
(TO BE USED USING THE FORMULA BELOW)

NETWORK	T1 cm	T2 cm	T3 cm	D (10**-8)	R1 .001"	R2 .001"	R3 .001"
SSC(GSFC) 91 R 02	8.0 0.9	4.8 0.9	-7.8 0.8	-0.1 0.1	1.0 0.4	0.7 0.3	-2.5 0.2
SSC(NGS) 91 R 01	2.5 1.0	6.5 1.0	-2.6 0.9	0.1 0.1	-4.2 0.4	9.9 0.4	-0.4 0.3
SSC(USNO) 91 R 02	-8.2 1.2	-15.3 1.3	-0.1 1.3	-1.1 0.2	-0.2 0.6	0.4 0.4	1.2 0.3
SSC(JPL) 91 R 01	-1.8 1.6	1.8 1.5	-0.2 1.7	-0.5 0.2	2.5 0.7	1.7 0.7	0.3 0.6
SSC(CSR) 91 L 03	0 -	0 -	0 -	0 -	0.2 -	-0.4 -	4.3 -
SSC(GSFC) 91 L 01	-0.6 0.8	0.3 0.8	-1.8 0.7	0.2 0.1	-1.2 0.3	6.0 0.3	-8.8 0.3
SSC(DGFII)91 L 01	-0.4 0.8	-0.8 0.7	0.1 0.7	-0.3 0.1	-284.4 0.3	-44.6 0.3	5.0 0.2
SSC(DUT) 91 L 01	1.1 0.7	0.4 0.7	-3.3 0.6	-0.7 0.1	0.3 0.3	1.1 0.3	-4.6 0.2
SSC(ZIPE) 91 L 01	-0.3 0.6	-0.1 0.7	-1.4 0.6	-0.3 0.1	0.2 0.3	0.0 0.3	0.2 0.2
SSC(GAOUA)91 L 02	-2.2 0.9	1.3 0.9	-5.4 0.9	-0.3 0.1	-0.2 0.4	3.2 0.4	-3.0 0.3
SSC(NAL) 91 L 01	0.6 1.4	0.8 1.2	-1.9 1.3	0.2 0.2	1.7 0.5	-0.8 0.7	0.6 0.5
SSC(UTXMO)91 M 01	-4.3 2.3	0.5 2.8	10.6 2.3	-3.2 0.3	-4.5 1.1	2.1 0.8	22.8 0.9
SSC(JPL) 91 M 01	-7.6 3.6	-2.1 4.0	2.0 3.8	-1.8 0.5	0.9 1.9	3.4 1.4	-39.4 1.0

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: XS :      : X :      : T1 :      : D  -R3  R2 : : X :
:      :      :      :      :      :      :      :      :
: YS :  - : Y :  + : T2 :  + : R3  D  -R1 : : Y :
:      :      :      :      :      :      :      :      :
: ZS :      : Z :      : T3 :      : -R2  R1  D : : Z :

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Where X,Y,Z are the coordinates in the ITRF90 system, and XS,YS,ZS are the coordinates in the individual system.

Table T8

RESIDUALS AND STATISTICS

SITE NAME: GRASSE

DOMES NUMBER	CDP NUM.	*	RX m	RY m	RZ m	NX	NY	NZ	RE m	RN m	RU m
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10002M003	7605	GA	0.001	-0.002	0.003	0.2	-0.7	0.9	0.000	0.003	0.002
10002M003	7605	RG	-0.006	0.009	-0.031	-0.6	1.5	-3.1	0.010	-0.019	-0.025
10002S001	7835	LU	0.001	-0.012	0.021	0.1	-0.7	1.3	-0.012	0.016	0.015
10002S001	7835	LD	-0.006	0.000	0.018	-0.3	0.0	1.0	0.001	0.017	0.008
10002S001	7835	LZ	-0.013	-0.001	-0.017	-0.4	0.0	-0.3	0.001	-0.003	-0.021
10002S001	7835	LK	0.014	-0.021	0.025	0.9	-1.3	1.6	-0.022	0.010	0.025
10002S001	7835	LK	0.019	-0.039	0.008	0.7	-1.6	0.3	-0.041	-0.004	0.016
10002S001	7835	LC	-0.008	-0.018	0.017	-0.5	-1.0	1.0	-0.017	0.020	0.005
10002S001	7835	GA	0.000	0.000	0.000	0.0	0.3	-0.3	0.000	0.000	0.000
10002S001	7835	LT	-0.010	-0.005	0.004	-0.2	-0.1	0.1	-0.003	0.010	-0.005
10002S002	7845	MX	0.004	0.015	0.001	0.3	0.5	0.1	0.015	-0.003	0.005
10002S002	7845	MJ	0.010	-0.011	0.003	0.3	-0.4	0.1	-0.012	-0.004	0.008
10002S002	7845	GA	0.000	0.000	0.000	-0.1	0.0	0.0	0.000	0.000	0.000
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				0.013			0.8			0.013	0.014

TROMSO

10302M002	7602	LK	0.032	0.097	0.025	0.6	2.5	0.7	0.082	-0.049	0.045
10302M002	7602	LC	0.007	0.031	-0.021	0.1	0.8	-0.6	0.027	-0.023	-0.013
10302M002	7602	RG	-0.001	-0.004	-0.001	-0.1	-0.6	-0.1	-0.003	0.002	-0.002
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				0.037			0.9			0.042	0.027

ONSALA

10402S002	7213	RN	-0.001	0.000	-0.002	-0.1	0.0	-0.2	0.000	0.000	-0.002
10402S002	7213	RG	0.001	0.000	0.001	0.1	0.0	0.2	0.000	0.000	0.001
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				0.001			0.1			0.000	0.002

METSARHOVI

10503M002	7601	GA	0.000	0.000	0.000	0.0	0.0	0.0	0.000	0.000	0.000
10503M002	7601	RG	0.000	0.000	-0.002	0.0	0.0	-0.1	0.000	-0.001	-0.002
10503S001	7805	LC	0.463	-0.642	0.756	0.5	-0.6	0.8	-0.776	0.241	0.733
10503S001	7805	LZ	0.033	0.111	-0.277	0.1	0.2	-0.4	0.087	-0.204	-0.202
10503S001	7805	LG	0.141	-0.232	0.391	0.4	-0.7	1.6	-0.270	0.167	0.355
10503S001	7805	GA	0.000	0.000	0.000	0.0	0.0	0.0	0.000	0.000	0.000
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				0.290			0.5			0.260	0.343

GRAZ

11001S002	7839	LK	0.009	-0.012	-0.006	0.3	-0.4	-0.2	-0.014	-0.008	-0.001
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11001S002	7839	LC	-0.010	-0.008	0.001	-0.6	-0.5	0.0	-0.005	0.009	-0.008
11001S002	7839	LU	-0.005	0.009	0.002	-0.3	0.5	0.1	0.010	0.003	0.000
11001S002	7839	LD	0.003	0.009	0.007	0.1	0.5	0.4	0.008	0.001	0.008
11001S002	7839	LZ	0.003	-0.019	-0.006	0.2	-1.1	-0.4	-0.019	-0.003	-0.006
11001S002	7839	LG	0.003	0.011	-0.011	0.2	0.7	-0.6	0.010	-0.012	-0.004
11001S002	7839	LT	0.059	0.013	0.072	0.9	0.4	1.4	-0.003	0.005	0.093
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			0.022			0.6			0.009		
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			0.022			0.6			0.009		
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			0.022			0.6			0.009		
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			0.022			0.6			0.009		
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			0.022			0.6			0.009		
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			0.022			0.6					

12612M001	7510	LG	-0.006	0.032	0.002	-0.1	0.3	0.0	0.032	-0.004	0.007
12612M001	7510	LZ	0.004	-0.009	0.012	0.3	-0.5	0.7	-0.010	0.009	0.008
12612M001	7510	LU	0.004	0.013	-0.011	0.2	0.8	-0.7	0.010	-0.014	-0.001
12612M001	7510	LD	-0.012	0.018	-0.009	-0.6	0.9	-0.5	0.021	-0.005	-0.008
12612M001	7510	LK	0.038	-0.093	0.029	1.2	-2.7	0.9	-0.101	0.026	0.015
12612M001	7510	LC	-0.015	0.003	-0.003	-0.7	0.1	-0.2	0.009	0.005	-0.011
			-----			-----			-----		
			0.027			0.9			0.033		

ROUMELLI

12613M001	7517	LC	-0.038	-0.042	0.036	-2.2	-2.2	2.0	-0.022	0.059	-0.021
12613M001	7517	LZ	0.096	0.174	-0.118	5.7	8.3	-6.2	0.118	-0.189	0.063
12613M001	7517	LD	-0.038	-0.030	0.034	-2.0	-1.6	1.8	-0.011	0.055	-0.019
12613M001	7517	LK	-0.052	-0.142	0.037	-1.3	-3.4	1.0	-0.107	0.092	-0.065
12613M001	7517	LU	-0.017	-0.033	0.025	-1.0	-2.0	1.5	-0.023	0.037	-0.010
12613M001	7517	LG	-0.070	-0.032	0.057	-0.6	-0.3	0.6	0.000	0.091	-0.030
			-----			-----			-----		
			0.073			3.2			0.085		

KARITSA

12614M001	7520	LD	0.013	-0.007	-0.010	0.6	-0.3	-0.5	-0.011	-0.014	0.001
12614M001	7520	LK	-0.040	0.037	0.032	-1.1	0.9	0.9	0.049	0.040	0.002
12614M001	7520	LC	0.001	-0.018	-0.006	0.0	-0.8	-0.3	-0.018	-0.001	-0.008
12614M001	7520	LZ	-0.010	0.059	0.001	-0.6	2.5	0.1	0.058	-0.006	0.010
12614M001	7520	LG	0.013	-0.071	-0.002	0.2	-1.4	0.0	-0.071	0.007	-0.011
12614M001	7520	LU	0.010	-0.015	0.004	0.6	-0.9	0.2	-0.018	0.000	0.006
			-----			-----			-----		
			0.028			0.9			0.033		

KATAVIA

12615M001	7512	LD	0.026	0.023	-0.024	1.2	1.1	-1.3	0.008	-0.039	0.013
12615M001	7512	LZ	-0.024	-0.013	0.028	-1.5	-0.6	1.5	-0.001	0.039	-0.006
12615M001	7512	LU	0.023	0.013	-0.011	1.4	0.8	-0.6	0.001	-0.024	0.015
12615M001	7512	LC	0.005	-0.002	-0.012	0.3	-0.1	-0.6	-0.004	-0.012	-0.004
12615M001	7512	LG	-0.008	0.009	-0.029	-0.1	0.1	-0.3	0.012	-0.022	-0.019
12615M001	7512	LK	-0.061	-0.078	0.063	-1.9	-2.2	2.0	-0.041	0.104	-0.036
			-----			-----			-----		
			0.033			1.2			0.038		

XRISOKALARIA

12616M001	7525	LD	0.033	-0.019	-0.013	1.4	-0.8	-0.6	-0.030	-0.025	0.011
12616M001	7525	LZ	-0.035	0.013	0.034	-2.1	0.6	1.8	0.025	0.044	-0.002
12616M001	7525	LG	0.021	0.017	-0.016	0.1	0.1	-0.1	0.009	-0.028	0.011
12616M001	7525	LC	0.004	-0.015	-0.002	0.2	-0.7	-0.1	-0.015	-0.001	-0.003
12616M001	7525	LK	-0.084	0.044	0.011	-2.3	1.1	0.3	0.072	0.045	-0.043
12616M001	7525	LU	0.033	0.004	-0.021	1.9	0.2	-1.2	-0.008	-0.036	0.013
			-----			-----			-----		
			0.030			1.1			0.034		

LAMPEDUSA

12706M001	7544	LK	-0.291	0.211	0.078	-0.3	0.3	0.3	0.269	0.201	-0.148
12706M001	7544	LG	-0.015	0.027	0.009	-0.1	0.1	0.1	0.029	0.012	-0.002
12706M001	7544	LZ	-0.005	-0.039	0.025	-0.3	-2.0	1.3	-0.037	0.028	0.003
12706M001	7544	LD	0.005	0.012	-0.019	0.2	0.5	-0.9	0.010	-0.019	-0.005
12706M001	7544	LC	-0.008	0.002	-0.004	-0.4	0.1	-0.2	0.004	0.001	-0.008
12706M001	7544	LU	0.009	0.025	-0.005	0.5	1.5	-0.3	0.022	-0.013	0.008
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			0.088			0.7			0.099		
									0.061		

BOLOGNA

12711M002	7546	LD	0.044	-0.052	-0.040	0.9	-0.7	-0.8	-0.060	-0.051	-0.004
12711M002	7546	LC	0.034	-0.091	-0.024	0.9	-1.5	-0.6	-0.096	-0.028	-0.006
12711M002	7546	LG	0.029	-0.081	-0.011	0.1	-0.1	0.0	-0.085	-0.016	0.001
12711M002	7546	GA	0.000	0.000	0.000	0.0	0.0	0.0	0.000	0.000	0.000
12711S001	7230	RN	0.001	0.000	0.004	0.1	0.0	0.3	0.000	0.002	0.003
12711S001	7230	RG	-0.002	0.001	0.001	-0.3	0.2	0.1	0.001	0.002	-0.001
12711S001	7230	GA	0.000	0.000	-0.001	0.0	0.0	-0.2	0.000	-0.001	-0.001
			-----			-----			-----		
			0.034			0.5			0.041		
									0.003		

NOTO

12717S001	7547	RO	0.036	0.012	0.016	2.2	1.0	0.9	0.002	-0.009	0.040
12717S001	7547	RG	-0.035	-0.002	-0.014	-2.0	-0.3	-0.9	0.007	0.009	-0.036
12717S001	7547	RN	-0.010	-0.003	0.005	-0.4	-0.4	0.2	-0.001	0.010	-0.005
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			0.019			1.1			0.007		
									0.031		

TRIESTE

12718M002	7550	LU	-0.006	-0.001	0.001	-0.3	-0.1	0.0	0.000	0.005	-0.004
12718M002	7550	LG	0.073	-0.022	-0.049	0.4	-0.1	-0.4	-0.039	-0.081	0.011
12718M002	7550	LD	-0.008	0.020	-0.004	-0.2	0.5	-0.1	0.021	-0.001	-0.005
12718M002	7550	LZ	0.017	0.019	-0.009	0.6	0.3	-0.2	0.014	-0.021	0.008
12718M002	7550	LC	-0.001	-0.021	0.006	0.0	-0.6	0.2	-0.020	0.008	0.000
			-----			-----			-----		
			0.026			0.3			0.031		
									0.007		

CAGLIARI

12725M002	7545	LK	0.012	-0.005	-0.008	0.3	-0.1	-0.3	-0.007	-0.013	0.003
12725M002	7545	LU	0.008	-0.004	0.006	0.5	-0.2	0.3	-0.005	0.000	0.009
12725M002	7545	LC	0.006	-0.005	-0.006	0.3	-0.2	-0.3	-0.006	-0.008	0.000
12725M002	7545	LZ	-0.014	-0.005	-0.004	-0.8	-0.2	-0.2	-0.003	0.006	-0.013
12725M002	7545	LD	-0.002	0.019	0.006	-0.1	0.7	0.2	0.019	0.004	0.004
12725M002	7545	LG	0.001	0.029	0.011	0.0	0.5	0.3	0.029	0.005	0.012
			-----			-----			-----		
			0.011			0.4			0.012		
									0.008		

MATERA

12734M004	7541	LG	-0.013	0.025	-0.012	-0.3	0.5	-0.3	0.028	-0.006	-0.011
12734M004	7541	LC	0.002	-0.005	0.005	0.1	-0.2	0.2	-0.006	0.003	0.004

12734M004	7541	LD	0.028	-0.019	-0.031	0.2	-0.2	-0.3	-0.026	-0.038	-0.004
12734M005	7540	LC	-0.002	0.000	0.002	-0.1	0.0	0.1	0.001	0.003	0.000
12734M005	7540	LD	0.024	-0.004	-0.055	0.2	0.0	-0.5	-0.011	-0.056	-0.019
12734S001	7939	LU	0.003	0.006	0.010	0.2	0.3	0.6	0.005	0.005	0.010
12734S001	7939	LG	-0.003	0.011	-0.001	-0.2	0.6	0.0	0.011	0.000	-0.001
12734S001	7939	LK	-0.007	-0.006	-0.023	-0.3	-0.2	-0.9	-0.004	-0.012	-0.021
12734S001	7939	LC	-0.009	-0.014	-0.001	-0.5	-0.8	0.0	-0.011	0.007	-0.010
12734S001	7939	LD	0.004	0.007	0.005	0.2	0.4	0.3	0.005	0.000	0.008
12734S001	7939	LZ	0.013	-0.004	-0.006	0.6	-0.1	-0.3	-0.007	-0.012	0.005
12734S001	7939	LT	0.004	-0.017	-0.004	0.1	-0.5	-0.1	-0.018	-0.003	-0.004
12734S005	7243	RO	0.009	-0.010	-0.011	0.6	-0.8	-0.7	-0.012	-0.012	-0.003
12734S005	7243	RG	-0.005	0.003	0.006	-0.4	0.5	0.5	0.005	0.007	0.001
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			0.015			0.4			0.017		

CHILBOLTON

13201S002	7215	RG	0.012	-0.009	0.014	0.9	-1.1	0.8	-0.009	-0.001	0.019
13201S002	7215	RN	-0.028	0.028	-0.050	-1.4	2.0	-1.6	0.027	-0.009	-0.057
			-----			-----			-----		
			0.027			1.3			0.015		

HERSTMONCEUX

13212S001	7840	LK	0.021	0.019	0.001	0.8	0.7	0.0	0.019	-0.016	0.015
13212S001	7840	LD	-0.023	0.010	0.003	-1.2	0.5	0.2	0.010	0.019	-0.012
13212S001	7840	LZ	0.011	-0.007	0.005	0.7	-0.5	0.3	-0.007	-0.005	0.010
13212S001	7840	LU	0.000	0.000	-0.008	0.0	0.0	-0.5	0.000	-0.005	-0.007
13212S001	7840	LT	0.004	-0.004	-0.014	0.1	-0.2	-0.3	-0.004	-0.012	-0.009
13212S001	7840	LC	-0.010	-0.010	0.004	-0.6	-0.6	0.3	-0.010	0.010	-0.003
13212S001	7840	LG	0.006	0.004	-0.005	0.3	0.3	-0.2	0.004	-0.007	0.000
			-----			-----			-----		
			0.010			0.5			0.011		

MADRID

13407S003	1561	RJ	0.002	-0.007	0.006	0.1	-0.4	0.2	-0.007	0.003	0.005
13407S003	1561	RG	-0.028	0.005	-0.038	-0.4	0.3	-0.6	0.003	-0.011	-0.046
13407S010	1565	RG	0.015	0.001	0.018	1.2	0.1	1.3	0.002	0.004	0.023
13407S010	1565	RJ	-0.019	0.021	-0.041	-1.1	1.1	-1.8	0.019	-0.018	-0.042
13407S010	1565	RN	-0.005	-0.004	-0.004	-0.3	-0.5	-0.2	-0.004	0.000	-0.006
			-----			-----			-----		
			0.019			0.8			0.010		

KOOTWIJK

13504M002	8833	LD	-0.002	0.046	-0.010	-0.1	1.4	-0.4	0.046	-0.008	-0.006
13504M002	8833	LZ	0.009	-0.013	-0.006	0.4	-0.6	-0.2	-0.014	-0.010	0.000
13504M002	8833	LG	0.037	0.049	-0.088	0.4	0.6	-1.8	0.045	-0.087	-0.044
13504M002	8833	LC	0.012	0.026	0.006	0.2	0.4	0.1	0.025	-0.008	0.013
13504M002	8833	LU	-0.028	-0.027	0.013	-1.2	-1.1	0.5	-0.024	0.032	-0.008
13504M002	8833	LK	0.059	0.041	0.040	1.2	0.9	1.2	0.035	-0.025	0.071
13504S001	7833	LG	-0.039	0.028	-0.098	-0.1	0.1	-0.6	0.032	-0.032	-0.099
13504S001	7833	LC	0.033	0.018	0.012	0.8	0.4	0.4	0.014	-0.020	0.031
13504S001	7833	LT	-0.099	-0.017	-0.032	-1.4	-0.4	-0.6	-0.007	0.059	-0.087

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0.042					0.8			0.035		0.053	
ZIMMERWALD											
14001S001	7810	LC	-0.004	0.000	-0.001	-0.2	0.0	0.0	0.001	0.002	-0.003
14001S001	7810	LG	0.033	0.027	0.013	1.3	1.0	0.3	0.022	-0.018	0.034
14001S001	7810	LD	0.007	0.018	0.016	0.3	0.7	0.8	0.017	0.004	0.018
14001S001	7810	LK	0.006	-0.029	-0.028	0.2	-1.0	-1.0	-0.029	-0.021	-0.019
14001S001	7810	LZ	-0.003	-0.022	-0.006	-0.2	-1.3	-0.4	-0.021	0.001	-0.009
14001S001	7810	LU	-0.012	0.008	0.009	-0.8	0.5	0.5	0.010	0.014	-0.001
14001S001	7810	LT	0.008	0.017	-0.026	0.1	0.5	-0.5	0.016	-0.025	-0.012
-----					-----			-----		-----	
0.017					0.7			0.017		0.017	

MONTE GENEROSO

14005M002	7590	LD	0.003	0.012	0.005	0.0	0.1	0.1	0.011	0.000	0.007
14005M002	7590	LG	-0.003	-0.013	-0.023	0.0	-0.2	-0.1	-0.013	-0.013	-0.020
-----					-----			-----		-----	
0.012					0.1			0.011		0.015	

POTSDAM

14106S001	1181	LZ	-0.013	-0.030	0.081	-0.3	-0.4	1.1	-0.026	0.065	0.053
14106S001	1181	LD	-0.037	0.011	0.043	-0.7	0.2	1.2	0.019	0.053	0.014
14106S001	1181	LC	0.012	0.016	-0.043	0.6	0.7	-2.4	0.013	-0.038	-0.025
14106S001	1181	LG	-0.023	-0.012	0.043	-0.2	-0.1	0.5	-0.006	0.047	0.019
14106S001	1181	LK	-0.007	-0.040	0.086	-0.2	-1.3	3.0	-0.037	0.065	0.058
14106S001	1181	LT	0.003	0.005	-0.050	0.0	0.2	-1.1	0.005	-0.034	-0.037
			-----			-----			-----		-----
			0.039			1.1			0.039		0.038

WETTZELL

14201M004	7596	LD	-0.029	-0.011	-0.093	-0.3	-0.1	-0.9	-0.005	-0.038	-0.090
14201M004	7596	GA	0.000	-0.001	0.000	0.0	-0.2	-0.1	0.000	-0.001	0.000
14201M004	7596	LC	0.000	0.080	0.027	0.0	2.3	1.2	0.078	0.005	0.032
14201M005	7597	LC	0.004	0.029	0.010	0.0	0.0	0.0	0.028	-0.001	0.014
14201M005	7597	GA	0.000	0.000	0.000	0.0	0.0	0.0	0.000	0.000	0.000
14201S002	7834	LU	-0.003	0.019	-0.009	-0.2	1.1	-0.6	0.019	-0.007	-0.006
14201S002	7834	GA	0.000	0.000	0.000	0.2	-0.3	0.4	0.000	0.000	0.000
14201S002	7834	LZ	-0.004	0.005	-0.021	-0.3	0.3	-1.3	0.005	-0.012	-0.018
14201S002	7834	LG	0.002	0.024	-0.016	0.1	1.4	-0.9	0.023	-0.017	-0.007
14201S002	7834	LD	-0.026	0.024	-0.017	-1.4	1.3	-1.0	0.029	0.004	-0.026
14201S002	7834	LC	-0.023	-0.002	-0.030	-1.4	-0.1	-1.8	0.003	-0.002	-0.038
14201S002	7834	LT	-0.013	0.000	-0.061	-0.2	0.0	-1.2	0.003	-0.030	-0.054
14201S002	7834	LK	0.006	0.026	-0.014	0.2	0.9	-0.5	0.024	-0.018	-0.002
14201S004	7224	GA	-0.002	0.003	-0.003	-0.5	1.0	-1.0	-0.001	-0.002	-0.004
14201S004	7224	RN	0.004	-0.005	0.009	0.5	-0.8	0.9	-0.005	0.004	0.009
14201S004	7224	RG	0.004	-0.005	0.011	0.7	-0.9	1.6	-0.006	0.005	0.010
			-----			-----			-----		
			0.024			0.8			0.020		
									0.031		

EFFELSBERG

14209S001	7203	RN	0.000	0.005	-0.005	0.0	0.3	-0.1	0.005	-0.004	-0.003
14209S001	7203	RG	-0.002	-0.010	0.016	0.0	-0.4	0.2	-0.009	0.013	0.010
			-----			-----			-----		
			0.008			0.2			0.009		
									0.007		

BAR GIYYORA

20702S001	7530	LU	0.017	-0.008	0.017	0.9	-0.4	0.9	-0.017	0.010	0.017
20702S001	7530	LD	0.041	-0.006	-0.028	0.4	-0.1	-0.3	-0.028	-0.040	0.012
20702S001	7530	LG	-0.021	0.050	-0.049	-0.4	0.9	-0.5	0.053	-0.048	-0.016
20702S001	7530	LC	-0.032	0.005	-0.026	-1.2	0.2	-1.0	0.023	-0.010	-0.033
			-----			-----			-----		
			0.029			0.7			0.033		
									0.021		

DIYARBAKIR

20801M001	7575	LC	0.017	0.003	-0.013	0.8	0.2	-0.6	-0.008	-0.019	0.004
20801M001	7575	LU	-0.006	-0.011	-0.005	-0.4	-0.6	-0.3	-0.004	0.003	-0.012
20801M001	7575	LD	0.013	0.003	-0.017	0.5	0.1	-0.6	-0.007	-0.021	-0.001
20801M001	7575	LK	-0.066	0.042	-0.004	-2.1	1.3	-0.1	0.075	0.011	-0.021
20801M001	7575	LZ	0.010	-0.006	0.025	0.6	-0.3	1.3	-0.011	0.017	0.019
20801M001	7575	LG	-0.078	-0.008	0.097	-0.5	-0.1	0.9	0.044	0.117	0.009
			-----			-----			-----		
			0.036			0.8			0.044		
									0.013		

YOZGAT

20802M001	7585	LD	0.027	-0.010	-0.011	1.0	-0.3	-0.4	-0.024	-0.019	0.006
20802M001	7585	LZ	-0.008	0.028	0.029	-0.5	1.2	1.3	0.027	0.017	0.025
20802M001	7585	LC	0.002	0.026	0.000	0.1	1.1	0.0	0.020	-0.010	0.012
20802M001	7585	LK	0.025	-0.065	0.020	0.7	-1.8	0.6	-0.067	0.026	0.000
20802M001	7585	LG	-0.061	0.195	-0.146	-0.3	1.0	-1.1	0.195	-0.151	-0.046
20802M001	7585	LU	-0.007	-0.013	-0.014	-0.4	-0.8	-0.8	-0.007	-0.002	-0.019
			-----			-----			-----		
			0.063			0.9			0.076		
									0.023		

MELENGICLICK

20803M001	7580	LZ	-0.022	0.008	0.015	-1.4	0.4	0.8	0.019	0.020	-0.001
20803M001	7580	LC	0.003	-0.015	0.003	0.1	-0.6	0.1	-0.014	0.006	-0.003
20803M001	7580	LG	-0.039	0.035	-0.022	-0.3	0.2	-0.2	0.051	-0.009	-0.024
20803M001	7580	LU	0.003	-0.014	-0.007	0.2	-0.8	-0.4	-0.014	-0.002	-0.008
20803M001	7580	LK	0.010	0.103	-0.041	0.2	2.5	-1.0	0.081	-0.072	0.027
20803M001	7580	LD	0.035	-0.005	0.000	1.5	-0.2	0.0	-0.023	-0.016	0.022
			-----			-----			-----		
			0.032			0.9			0.037		
									0.018		

YIGILCA

20804M001	7587	LK	-0.053	0.009	0.040	-1.5	0.2	1.1	0.035	0.057	-0.005
20804M001	7587	LU	0.002	0.005	-0.008	0.1	0.3	-0.4	0.003	-0.008	-0.002
20804M001	7587	LG	-0.055	0.077	0.008	-0.4	0.5	0.1	0.094	0.011	0.000
20804M001	7587	LZ	0.001	-0.004	0.000	0.0	-0.2	0.0	-0.004	0.001	-0.001
20804M001	7587	LC	0.009	-0.003	0.001	0.4	-0.2	0.1	-0.008	-0.003	0.006

20804M001	7587	LD	0.010	-0.004	-0.004	0.4	-0.2	-0.2	-0.009	-0.007	0.002
			-----			-----			-----		
			0.028			0.5			0.034		
									0.003		

SHANGHAI

21605S001	7837	LK	0.043	0.017	0.006	1.1	0.4	0.2	-0.045	0.009	-0.003
21605S001	7837	LC	0.016	0.051	-0.020	0.2	0.5	-0.2	-0.040	-0.035	0.020
21605S001	7837	LZ	0.000	-0.015	-0.059	0.0	-0.4	-1.7	0.008	-0.044	-0.041
21605S001	7837	LG	0.013	0.013	-0.079	0.1	0.1	-0.4	-0.018	-0.070	-0.037
21605S001	7837	GA	0.000	0.000	0.000	0.0	0.0	0.0	0.000	0.000	0.000
21605S009	7227	RN	0.000	-0.002	0.003	0.0	-0.1	0.1	0.001	0.003	0.000
21605S009	7227	RG	-0.004	0.000	0.006	-0.4	0.0	0.5	0.003	0.004	0.005
21605S009	7227	GA	0.003	0.001	-0.005	0.3	0.1	-0.5	0.001	-0.004	-0.004
			-----			-----			-----		
			0.026			0.5			0.028		
									0.021		

KASHIMA

21701S001	1856	RG	0.001	0.000	0.000	0.2	-0.1	0.0	-0.001	0.001	-0.001
21701S001	1856	RN	-0.004	0.001	-0.001	-0.3	0.1	0.0	0.002	-0.003	0.003
21701S004	1857	RN	-0.128	0.042	0.073	-2.9	1.6	1.5	0.049	-0.015	0.145
21701S004	1857	RG	0.004	-0.003	-0.003	0.5	-0.4	-0.3	0.000	0.000	-0.006
			-----			-----			-----		
			0.044			1.1			0.018		
									0.073		

NOBEYAMA

21725S001	7244	RN	0.162	-0.183	-0.134	0.8	-1.0	-0.7	0.030	0.033	-0.275
21725S001	7244	RG	-0.013	0.015	0.011	-0.2	0.3	0.2	-0.002	-0.003	0.022
			-----			-----			-----		
			0.114			0.6			0.022		
									0.195		

SIMOSATO

21726S001	7838	LG	0.023	0.012	0.002	1.2	0.6	0.1	-0.024	0.006	-0.006
21726S001	7838	LC	0.007	-0.009	0.000	0.4	-0.5	0.0	0.002	0.006	-0.009
21726S001	7838	LT	0.054	0.045	0.008	0.7	1.0	0.2	-0.070	0.011	-0.002
21726S001	7838	LZ	-0.013	-0.011	-0.002	-0.8	-0.6	-0.1	0.017	-0.003	0.000
21726S001	7838	LU	0.010	-0.003	-0.002	0.6	-0.2	-0.1	-0.005	0.003	-0.009
21726S001	7838	LD	-0.022	-0.013	-0.003	-1.3	-0.6	-0.1	0.024	-0.006	0.004
21726S001	7838	LK	-0.006	0.059	0.006	-0.2	1.8	0.2	-0.039	-0.020	0.041
			-----			-----			-----		
			0.022			0.7			0.025		
									0.016		

CHICHIJIMA

21732S001	7844	GA	0.000	0.000	0.000	0.0	0.0	0.0	0.000	0.000	0.000
21732S001	7844	RG	0.000	0.000	0.000	0.0	0.0	0.0	0.000	0.000	0.000
21732S002	7844	LG	-0.137	-0.110	0.033	-0.1	-0.1	0.0	0.171	0.010	0.052
21732S002	7844	GA	0.000	0.000	0.000	0.0	0.0	0.0	0.000	0.000	0.000
			-----			-----			-----		
			0.052			0.1			0.061		
									0.026		

HELWAN

30101S001	7831	LK	0.036	0.057	-0.150	1.1	1.9	-4.8	0.031	-0.160	-0.022
30101S001	7831	LU	-0.029	-0.060	0.112	-1.7	-3.5	6.6	-0.037	0.125	0.007
30101S001	7831	LZ	0.028	0.069	-0.113	1.3	3.0	-4.9	0.044	-0.127	-0.004
30101S001	7831	LC	-0.012	0.058	-0.047	-0.2	1.1	-1.1	0.056	-0.051	-0.006
30101S001	7831	LG	-0.020	0.055	0.004	-0.1	0.3	0.0	0.057	-0.003	0.012
30101S001	7831	LD	0.113	-0.067	0.086	0.8	-0.5	0.6	-0.116	0.044	0.096
			-----	-----	-----	-----	-----	-----	-----	-----	-----
				0.073			2.6			0.085	0.041

JOHANNESBURG

30302S001	7232	RN	-0.001	-0.007	-0.001	-0.1	-0.6	-0.1	-0.006	-0.003	-0.003
30302S001	7232	RG	0.001	0.005	0.000	0.0	0.5	0.1	0.004	0.002	0.002
			-----	-----	-----	-----	-----	-----	-----	-----	-----
				0.004			0.3			0.004	0.003

ALGONQUIN

40104S001	7282	RO	-0.006	0.011	0.000	-1.0	1.2	0.0	-0.004	0.008	-0.008
40104S001	7282	RN	0.003	-0.005	0.001	0.5	-0.7	0.2	0.002	-0.003	0.004
40104S001	7282	RG	0.001	-0.002	-0.001	0.3	-0.3	-0.1	0.001	-0.002	0.001
			-----	-----	-----	-----	-----	-----	-----	-----	-----
				0.005			0.6			0.004	0.005

PASADENA

40400M001	7896	GA	0.000	0.000	0.000	-0.1	0.1	0.2	0.000	0.000	0.000
40400M001	7896	LD	0.026	-0.089	-0.196	0.1	-0.4	-0.9	0.065	-0.200	-0.055
40400M001	7896	LC	0.111	-0.078	-0.171	2.8	-2.0	-5.2	0.134	-0.151	-0.082
40400M001	7896	LG	0.056	0.007	-0.138	0.7	0.1	-2.2	0.047	-0.096	-0.104
40400M003	7263	RG	-0.007	0.010	0.020	-0.7	0.7	2.0	-0.011	0.019	0.007
40400M003	7263	GA	0.001	0.000	-0.001	0.2	-0.1	-0.4	0.000	-0.001	0.000
			-----	-----	-----	-----	-----	-----	-----	-----	-----
				0.081			1.7			0.090	0.059

GOLDSTONE

40405M001	7085	LC	-0.217	-0.336	0.361	-1.9	-2.6	4.1	-0.042	0.065	0.533
40405M001	7085	GB	0.000	0.000	0.000	0.0	0.0	0.0	0.000	0.000	0.000
40405M002	7115	GB	-0.004	-0.056	0.052	-0.2	-2.5	2.3	-0.013	0.075	-0.002
40405M002	7115	LC	0.066	0.061	-0.011	2.9	2.7	-0.5	0.031	0.040	-0.075
40405M002	7115	LD	0.013	0.092	-0.030	0.1	0.4	-0.1	-0.030	0.026	-0.090
40405M002	7115	GC	0.000	0.000	0.000	-0.1	-0.1	-0.1	0.000	0.000	0.000
40405M002	7115	LG	0.022	0.110	0.006	0.6	3.1	0.2	-0.030	0.067	-0.085
40405M006	7265	LC	-0.003	0.021	0.005	-0.1	0.7	0.2	-0.012	0.014	-0.011
40405M006	7265	GA	0.000	0.000	0.000	0.1	-0.1	-0.1	0.000	0.000	0.000
40405M006	7265	LD	-0.031	0.001	-0.022	-0.3	0.0	-0.2	-0.028	-0.025	-0.002
40405M006	7265	LG	-0.022	-0.003	0.010	-0.6	-0.1	0.3	-0.019	0.001	0.016
40405M013	7288	LC	-0.011	-0.004	-0.017	-0.5	-0.2	-0.8	-0.008	-0.019	-0.003
40405M013	7288	RG	-0.001	0.006	0.006	-0.1	0.4	0.4	-0.004	0.008	-0.001
40405M013	7288	LK	-0.013	0.029	-0.016	-0.4	1.0	-0.5	-0.025	-0.001	-0.026
40405M013	7288	LG	-0.006	-0.014	-0.032	-0.1	-0.1	-0.3	0.001	-0.035	-0.006
40405M013	7288	LD	-0.004	-0.005	-0.022	-0.2	-0.2	-1.0	-0.001	-0.022	-0.008
40405M013	7288	GA	-0.005	-0.008	0.015	-0.7	-0.6	1.5	0.009	0.015	-0.001

40405M013	7288	LU	0.045	0.015	-0.008	2.6	0.9	-0.5	0.033	0.012	-0.032
40405M013	7288	LZ	-0.001	-0.010	-0.015	-0.1	-0.6	-0.9	0.003	-0.018	-0.001
40405S009	7222	RO	0.009	-0.008	-0.016	1.3	-0.8	-2.0	0.012	-0.015	-0.006
40405S009	7222	GB	0.008	-0.033	0.049	0.7	-3.0	4.5	0.022	0.049	-0.026
40405S009	7222	RN	-0.004	0.003	0.001	-0.8	0.4	0.1	-0.005	0.001	0.000
40405S009	7222	GA	0.000	0.000	0.000	0.1	0.1	-0.1	0.000	0.000	0.000
40405S009	7222	RG	-0.004	0.006	-0.001	-0.8	1.1	-0.2	-0.006	0.001	-0.003
40405S014	1513	GC	0.001	0.001	0.000	0.3	0.3	0.2	-0.001	0.000	0.000
40405S014	1513	RJ	-0.002	0.009	-0.006	-0.1	0.5	-0.3	-0.006	0.000	-0.009
40405S014	1513	RG	-0.005	-0.008	-0.003	-0.8	-1.0	-0.5	-0.001	-0.008	0.005
40405S019	7231	RG	0.003	-0.035	0.037	0.4	-3.0	3.7	0.019	0.013	0.046
40405S019	7231	GB	-0.001	0.003	-0.004	-0.2	1.1	-1.4	-0.003	-0.004	0.002
40405S019	7231	RJ	0.002	-0.031	0.030	0.2	-1.9	1.7	0.016	0.009	0.039
-----						-----			-----		
						0.062			1.3		
									0.023		
									0.102		

FAIRBANKS

40408S002	7225	RO	0.002	-0.005	-0.001	0.3	-0.7	-0.2	0.005	-0.001	-0.001
40408S002	7225	RN	-0.001	0.003	0.001	-0.2	0.5	0.2	-0.003	0.001	0.001
40408S002	7225	RG	0.000	0.001	0.000	-0.1	0.1	0.0	-0.001	0.000	0.000
-----						-----			-----		
						0.002			0.3		
									0.002		
									0.001		

AUSTIN

40412M001	7890	LD	-0.021	0.018	0.025	-0.1	0.1	0.1	-0.023	0.029	0.000
40412M001	7890	LG	0.175	-0.126	-0.071	0.2	-0.2	-0.2	0.191	-0.112	0.052
-----						-----			-----		
						0.094			0.1		
									0.112		
									0.037		

PATRICK AFB

40417M002	7069	LD	0.217	0.128	0.094	0.6	0.4	0.3	0.235	0.125	-0.036
40417M002	7069	LG	-0.308	-0.081	-0.091	-0.7	-0.3	-0.3	-0.318	-0.094	-0.016
-----						-----			-----		
						0.174			0.4		
									0.213		
									0.028		

VANDENBERG AFB

40420M002	7223	RG	0.000	0.002	-0.002	0.0	0.3	-0.3	-0.001	-0.001	-0.002
40420M002	7223	RN	0.000	-0.004	0.003	0.1	-0.5	0.4	0.002	0.001	0.005
-----						-----			-----		
						0.002			0.3		
									0.001		
									0.004		

KAUAI

40424S001	1311	RN	-0.002	0.004	-0.009	-0.2	0.3	-0.7	-0.004	-0.008	-0.003
40424S001	1311	GA	0.000	0.000	0.000	0.1	-0.1	0.1	0.000	0.000	0.000
40424S001	1311	RO	-0.004	-0.002	0.009	-0.6	-0.2	1.1	0.000	0.007	0.007
40424S001	1311	RG	-0.001	0.004	-0.011	-0.1	0.7	-1.5	-0.004	-0.010	-0.005
-----						-----			-----		
						0.005			0.7		
									0.006		
									0.005		

QUINCY

40433M001	7051	LD	-0.041	0.087	0.064	-0.2	0.4	0.3	-0.080	0.083	0.000
40433M001	7051	LG	-0.020	0.111	0.133	-0.4	2.1	3.2	-0.075	0.156	0.019
40433M001	7051	GA	0.000	-0.001	-0.003	0.0	-0.5	-0.9	-0.001	-0.002	0.002
40433M001	7051	LC	-0.007	0.096	0.148	-0.2	3.3	5.9	-0.055	0.164	0.035
40433M002	7109	LU	0.003	-0.003	0.011	0.2	-0.2	0.6	0.005	0.008	0.008
40433M002	7109	LZ	0.005	-0.013	-0.029	0.4	-0.8	-1.8	0.011	-0.027	-0.012
40433M002	7109	LT	0.000	-0.005	0.016	0.0	-0.1	0.4	0.003	0.009	0.014
40433M002	7109	LC	-0.009	-0.002	0.002	-0.5	-0.1	0.1	-0.007	-0.002	0.006
40433M002	7109	GA	0.000	0.000	0.000	0.1	0.2	0.0	0.000	0.000	0.000
40433M002	7109	LD	-0.009	-0.024	0.002	-0.5	-1.5	0.1	0.005	-0.015	0.021
40433M002	7109	LG	-0.013	-0.002	-0.006	-0.8	-0.1	-0.4	-0.010	-0.010	0.002
40433M002	7109	LK	0.009	-0.008	0.023	0.3	-0.3	0.9	0.011	0.017	0.017
40433M004	7221	RG	0.006	0.007	-0.012	0.9	0.8	-1.5	0.002	-0.003	-0.014
40433M004	7221	GA	-0.001	0.000	0.000	-0.3	-0.1	0.2	-0.001	0.000	0.000
40433M005	7886	GA	0.000	0.001	0.001	0.1	0.2	0.3	-0.001	0.001	0.000
40433M005	7886	LC	-0.015	0.062	0.002	-0.6	2.9	0.1	-0.044	0.031	-0.034
40433M005	7886	LG	-0.075	-0.009	-0.090	-0.6	-0.1	-1.3	-0.059	-0.099	-0.022
40433M005	7886	LD	-0.195	-0.078	-0.237	-1.9	-4.1	-4.2	-0.127	-0.289	-0.023
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			0.060			1.5			0.073		
									0.017		

MOUNT HOPKINS

40434M002	7888	LG	0.021	0.010	0.021	0.2	0.2	0.3	0.016	0.027	-0.003
40434M002	7888	LD	0.081	-0.011	-0.004	0.3	0.0	0.0	0.079	0.006	-0.018
40434M002	7888	LC	-0.009	-0.003	-0.007	-0.2	-0.1	-0.2	-0.007	-0.009	0.001
40434S001	7921	LG	0.023	0.070	-0.141	0.3	1.2	-2.1	-0.003	-0.082	-0.136
40434S001	7921	LC	-0.012	-0.026	0.046	-0.3	-0.7	1.3	-0.002	0.024	0.049
40434S001	7921	LD	0.222	0.020	-0.585	0.8	0.1	-2.0	0.200	-0.447	-0.389
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			0.154			0.8			0.146		
									0.170		

SAN DIEGO

40436M002	7062	LD	0.010	0.051	-0.004	0.4	2.4	-0.2	-0.014	0.023	-0.044
40436M002	7062	LC	0.022	-0.021	-0.076	0.8	-0.9	-3.0	0.029	-0.069	-0.033
40436M002	7062	LG	-0.020	-0.032	-0.028	-0.4	-0.8	-0.6	-0.003	-0.044	0.017
40436M002	7062	GA	0.000	-0.001	0.001	-0.1	-0.2	0.4	0.000	0.001	0.001
40436M003	7035	GA	0.000	0.000	0.000	0.1	0.0	-0.1	0.000	0.000	0.000
40436M003	7035	LD	-0.027	-0.084	-0.150	-0.2	-0.7	-1.2	0.014	-0.174	-0.007
40436M003	7035	LG	-0.019	-0.022	0.021	-0.1	-0.1	0.2	-0.007	0.003	0.034
40436M003	7035	LC	-0.024	0.012	0.028	-1.1	0.6	1.5	-0.027	0.024	0.015
			-----			-----			-----		
			0.043			1.0			0.050		
									0.024		

BEAR LAKE

40438M001	7082	LD	0.050	0.048	-0.144	0.4	1.6	-2.2	0.028	-0.065	-0.143
40438M001	7082	LG	-0.019	-0.041	-0.036	-0.3	-0.6	-0.8	-0.003	-0.057	0.010
40438M001	7082	LC	0.002	-0.069	0.045	0.0	-1.7	1.5	0.027	-0.008	0.077
40438M002	7046	LK	0.035	-0.008	0.028	1.0	-0.2	0.9	0.035	0.025	0.015
40438M002	7046	LC	-0.039	0.010	-0.021	-1.1	0.3	-0.8	-0.040	-0.019	-0.010
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			0.052			1.1			0.036		
									0.073		

OWENS VALLEY

40439M001	7114	LG	-0.021	0.090	0.053	-0.6	2.6	1.9	-0.061	0.084	-0.023
40439M001	7114	GA	0.001	-0.001	-0.001	0.2	-0.4	-0.5	0.001	0.000	0.002
40439M001	7114	LC	-0.002	0.032	0.049	-0.1	1.5	2.5	-0.017	0.056	0.008
40439M001	7114	LD	-0.024	-0.001	-0.017	-1.0	-0.1	-0.8	-0.020	-0.021	0.000
40439M004	7853	LD	-0.021	-0.012	-0.010	-0.6	-0.4	-0.3	-0.013	-0.021	0.010
40439M004	7853	LC	-0.034	-0.066	-0.013	-1.8	-3.7	-0.7	0.001	-0.055	0.052
40439M004	7853	RG	-0.001	0.000	-0.002	-0.2	0.0	-0.3	-0.001	-0.002	-0.001
40439M004	7853	LG	-0.041	-0.053	-0.014	-0.2	-0.3	-0.1	-0.011	-0.050	0.044
40439M004	7853	GA	0.000	0.000	0.000	0.1	0.2	0.1	0.000	0.000	0.000
40439S002	7207	RN	0.008	0.009	-0.006	1.3	0.9	-0.7	0.003	0.002	-0.013
40439S002	7207	RG	0.000	-0.001	0.000	-0.1	-0.2	0.0	0.000	0.000	0.001
40439S002	7207	GA	-0.005	-0.006	0.006	-1.0	-0.7	0.6	-0.008	0.006	-0.001
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			0.027			1.1			0.030		
									0.021		

WESTFORD

40440M001	7091	GA	0.000	0.000	0.000	-0.1	0.2	-0.2	0.000	0.000	0.000
40440M001	7091	LC	0.006	-0.013	0.021	0.3	-0.7	1.2	0.001	0.006	0.025
40440M001	7091	LG	0.070	-0.078	0.061	1.5	-2.0	1.8	0.041	-0.020	0.112
40440M001	7091	LD	0.007	-0.067	0.040	0.3	-2.9	1.7	-0.015	-0.015	0.076
40440S002	7205	GA	0.000	0.000	0.000	0.2	0.2	0.2	0.000	0.000	0.000
40440S002	7205	RG	-0.001	-0.004	0.001	-0.1	-0.7	0.2	-0.002	-0.001	0.003
40440S002	7205	RN	-0.005	0.002	-0.004	-1.0	0.4	-0.8	-0.004	-0.001	-0.005
40440S003	7209	GA	-0.001	-0.005	0.001	-0.5	-1.2	0.3	0.000	0.004	0.003
40440S003	7209	RO	-0.001	0.011	0.001	-0.2	1.2	0.1	0.003	0.008	-0.007
40440S003	7209	RN	0.003	0.000	0.002	0.5	-0.1	0.3	0.002	0.001	0.002
40440S003	7209	RG	0.002	0.004	-0.004	0.4	0.9	-0.8	0.003	-0.001	-0.005
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			0.026			1.0			0.011		
									0.042		

GREENBANK

40441S001	7204	RN	0.004	-0.013	0.013	0.7	-1.3	1.5	0.002	0.002	0.018
40441S001	7204	RG	-0.003	0.008	-0.010	-0.6	1.0	-1.3	-0.001	-0.003	-0.013
40441S004	7214	RO	-0.004	0.004	-0.004	-0.8	0.7	-0.8	-0.003	0.000	-0.007
40441S004	7214	RG	0.006	-0.018	0.014	0.9	-1.5	1.5	0.002	-0.001	0.023
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			0.010			1.1			0.002		
									0.016		

FORT DAVIS

40442M001	7086	LU	0.016	0.022	-0.027	0.9	1.3	-1.5	0.010	-0.011	-0.036
40442M001	7086	LT	0.019	0.001	-0.016	0.9	0.0	-0.5	0.018	-0.011	-0.013
40442M001	7086	LG	-0.002	0.001	-0.026	-0.1	0.0	-1.6	-0.002	-0.022	-0.013
40442M001	7086	MX	0.004	-0.043	-0.028	0.1	-2.6	-1.7	0.014	-0.045	0.021
40442M001	7086	LC	0.011	-0.003	-0.026	0.6	-0.2	-1.5	0.011	-0.023	-0.013
40442M001	7086	LD	0.002	-0.012	-0.031	0.1	-0.8	-1.9	0.005	-0.033	-0.006
40442M001	7086	MJ	-0.031	-0.025	0.015	-1.0	-0.8	0.5	-0.024	-0.003	0.035
40442M001	7086	GA	0.000	0.000	0.000	-0.1	0.2	0.5	0.000	0.000	0.000
40442M005	7885	LD	0.033	-0.122	-0.017	0.3	-1.0	-0.1	0.061	-0.071	0.086
40442M005	7885	LC	0.071	-0.068	0.019	1.7	-1.5	0.6	0.086	-0.008	0.052

40442M005	7885	GA	0.000	0.001	0.000	-0.1	0.2	-0.1	0.000	0.000	0.000
40442M005	7885	LG	0.014	-0.150	0.015	0.2	-1.8	0.2	0.050	-0.060	0.130
40442M006	7080	LU	0.008	0.027	-0.007	0.4	1.6	-0.4	0.001	0.008	-0.028
40442M006	7080	GB	0.000	-0.018	0.004	0.0	-1.8	0.7	0.015	0.009	-0.006
40442M006	7080	LD	-0.012	0.019	-0.025	-0.1	0.2	-0.2	-0.016	-0.014	-0.026
40442M006	7080	LG	0.004	0.023	-0.011	0.1	0.8	-0.6	-0.001	0.002	-0.026
40442M006	7080	LZ	-0.011	0.018	-0.026	-0.7	1.1	-1.6	-0.015	-0.015	-0.026
40442M006	7080	MX	0.009	-0.020	0.020	0.3	-1.2	1.3	0.014	0.009	0.025
40442M006	7080	LK	0.029	0.035	0.000	1.1	1.4	0.0	0.020	0.021	-0.036
40442M006	7080	LC	-0.005	0.007	-0.008	-0.3	0.5	-0.5	-0.006	-0.004	-0.009
40442M006	7080	MJ	-0.017	-0.029	-0.010	-0.6	-1.0	-0.3	-0.010	-0.025	0.023
40442M008	7850	RG	-0.002	-0.009	0.018	-0.3	-0.6	1.8	0.000	0.011	0.017
40442M008	7850	GA	0.000	0.000	-0.002	0.1	0.1	-0.6	0.000	-0.001	-0.001
40442M009	7900	RG	0.014	0.000	0.003	1.7	0.0	0.3	0.013	0.005	-0.001
40442M009	7900	GB	-0.002	0.000	0.000	-0.6	0.0	-0.1	-0.002	0.001	0.001
40442S002	7206	MJ	0.052	0.086	-0.005	1.7	2.9	-0.2	0.030	0.045	-0.085
40442S002	7206	GA	0.000	-0.003	0.000	0.0	-1.0	0.0	0.003	0.000	0.001
40442S002	7206	MX	-0.072	0.065	0.005	-2.1	3.9	0.3	-0.086	0.027	-0.037
40442S003	7216	GB	0.000	0.000	0.000	0.2	0.2	-0.1	0.000	0.000	0.000
40442S003	7216	GA	0.002	0.010	-0.013	0.4	0.8	-1.9	0.009	-0.013	0.004
40442S003	7216	RG	-0.002	-0.002	0.005	-0.4	-0.3	0.9	-0.002	0.003	0.004
40442S003	7216	RN	-0.006	-0.009	0.009	-1.1	-1.2	1.3	-0.003	0.003	0.013
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			0.030			1.0			0.026		

MAUI

40445M001	7210	LC	0.003	-0.018	0.016	0.2	-1.1	0.9	0.018	0.013	0.010
40445M001	7210	LZ	0.044	0.020	0.019	2.9	1.2	1.1	0.000	0.035	-0.039
40445M001	7210	LD	0.034	-0.010	0.029	2.0	-0.6	1.5	0.023	0.037	-0.015
40445M001	7210	LU	0.003	-0.006	0.015	0.2	-0.3	0.8	0.007	0.014	0.005
40445M001	7210	LG	-0.008	-0.016	0.003	-0.5	-0.9	0.2	0.012	-0.002	0.014
40445M001	7210	LT	-0.003	-0.037	-0.001	-0.2	-0.6	0.0	0.033	-0.007	0.017
40445M001	7210	LK	0.073	0.007	0.002	2.6	0.2	0.1	0.022	0.026	-0.064
40445M001	7210	GA	0.000	0.000	0.000	-0.2	0.0	-0.1	0.000	0.000	0.000
40445M001	7210	GA	-0.029	0.004	-0.005	-2.1	0.7	-0.9	-0.028	-0.009	-0.008
40445M002	7120	LD	-0.052	-0.043	-0.053	-0.4	-0.4	-0.4	0.019	-0.072	0.042
40445M002	7120	RG	-0.023	0.010	-0.008	-1.1	0.9	-0.6	-0.019	-0.013	0.013
40445M002	7120	GA	0.002	0.000	0.001	0.8	-0.1	0.4	-0.002	0.000	0.001
40445M002	7120	LG	-0.056	0.016	0.014	-2.0	0.5	0.4	-0.037	-0.002	0.047
40445M002	7120	LC	-0.047	-0.026	-0.040	-2.5	-1.2	-1.8	0.005	-0.056	0.036
40445S005	7210	MX	0.013	-0.031	0.002	0.6	-0.9	0.1	0.034	0.002	0.001
40445S005	7210	MJ	-0.015	-0.020	-0.003	-0.5	-0.7	-0.1	0.013	-0.010	0.019
40445S005	7210	GA	0.000	0.000	0.000	0.0	0.1	0.0	0.000	0.000	0.000
			-----			-----			-----		
			0.025			1.0			0.024		

WASHINGTON

40451M101	7101	GA	0.000	0.000	0.000	0.0	-0.1	0.0	0.000	0.000	0.000
40451M101	7101	LC	-0.096	0.115	0.044	-0.7	1.4	0.4	-0.067	0.119	-0.076
40451M102	7102	RG	0.006	-0.003	-0.002	0.8	-0.2	-0.2	0.005	-0.004	0.002
40451M102	7102	GA	-0.001	-0.001	0.000	-0.2	-0.4	0.0	0.001	0.000	0.001
40451M102	7102	LD	-0.111	0.123	0.048	-2.8	3.4	1.3	-0.080	0.129	-0.083
40451M102	7102	LC	0.016	0.025	-0.009	0.7	1.1	-0.4	0.021	0.006	-0.021

40451M103	7103	LC	0.048	0.003	0.010	1.5	0.1	0.4	0.048	0.003	0.013
40451M103	7103	LD	-0.022	0.010	-0.027	-0.2	0.1	-0.2	-0.019	-0.011	-0.029
40451M103	7103	GA	0.000	0.000	0.000	-0.1	0.0	0.0	0.000	0.000	0.000
40451M104	7104	GA	0.000	0.000	0.000	0.0	0.0	0.0	0.000	0.000	0.000
40451M104	7104	LC	0.079	-0.008	0.054	0.8	-0.1	0.6	0.075	0.026	0.054
40451M105	7105	LT	-0.008	0.000	0.007	-0.5	0.0	0.5	-0.008	0.007	0.003
40451M105	7105	LC	0.002	-0.003	0.006	0.1	-0.2	0.3	0.001	0.002	0.006
40451M105	7105	GA	0.000	0.000	0.000	0.2	0.2	0.0	0.000	0.000	0.000
40451M105	7105	LK	-0.005	0.009	0.019	-0.2	0.3	0.7	-0.003	0.021	0.004
40451M105	7105	LU	0.005	0.005	0.004	0.3	0.3	0.3	0.005	0.006	0.000
40451M105	7105	LG	-0.007	-0.019	-0.004	-0.5	-1.3	-0.3	-0.011	-0.014	0.011
40451M105	7105	LD	-0.024	-0.010	-0.006	-1.4	-0.6	-0.3	-0.025	-0.007	0.000
40451M105	7105	LZ	-0.025	-0.015	-0.011	-1.7	-1.0	-0.7	-0.028	-0.014	0.000
40451M106	7100	LC	-0.198	0.656	-0.257	-0.2	0.7	-0.3	-0.043	0.228	-0.694
40451M106	7100	GA	0.000	0.000	0.000	0.0	0.0	0.0	0.000	0.000	0.000
40451M111	7899	GA	0.000	0.000	0.000	-0.1	0.0	0.2	0.000	0.000	0.000
40451M111	7899	LG	0.053	-0.002	-0.052	0.4	0.0	-0.5	0.051	-0.049	-0.021
40451M111	7899	LD	-0.001	0.062	-0.051	0.0	0.5	-0.4	0.013	-0.002	-0.079
40451M111	7899	LC	0.098	-0.013	-0.110	1.7	-0.2	-2.2	0.092	-0.108	-0.042
40451M112	7063	LD	-0.064	-0.005	0.014	-0.5	0.0	0.1	-0.063	0.017	0.001
40451M112	7063	LG	-0.007	-0.022	-0.002	-0.5	-0.9	-0.1	-0.012	-0.014	0.014
40451M112	7063	LC	0.069	0.025	0.010	3.0	1.2	0.5	0.073	0.013	0.000
40451M112	7063	GA	-0.001	0.000	0.000	-0.3	0.0	-0.1	-0.001	0.000	0.000
40451M114	7125	LC	-0.012	-0.006	0.014	-0.4	-0.3	0.6	-0.014	0.009	0.011
40451M114	7125	LD	0.013	0.017	-0.041	0.2	0.2	-0.5	0.016	-0.024	-0.037
40451M114	7125	LG	0.036	0.015	-0.030	0.7	0.3	-0.8	0.039	-0.019	-0.024
40451M117	7920	LZ	-0.023	0.014	0.032	-0.9	0.5	0.9	-0.019	0.037	0.005
40451M117	7920	LK	0.083	-0.048	-0.081	1.6	-1.0	-1.6	0.070	-0.104	0.001
40451M117	7920	LD	0.022	0.038	0.018	0.2	0.4	0.2	0.030	0.034	-0.014
40451M117	7920	LC	-0.077	0.075	0.081	-0.1	0.1	0.1	-0.058	0.120	-0.020
40451M120	7918	LC	0.011	0.002	0.083	0.0	0.0	0.1	0.011	0.064	0.052
40451M120	7918	LK	-0.073	0.088	-0.051	-1.8	2.3	-1.5	-0.052	0.024	-0.112
40451M120	7918	LZ	0.013	-0.027	0.017	0.7	-1.3	0.9	0.006	-0.005	0.033
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			0.078			0.8			0.049		
			-----			-----			-----		
									0.116		

PIETOWN

40456S001	7234	RN	0.013	0.022	-0.022	2.1	2.4	-2.4	0.005	-0.004	-0.032
40456S001	7234	RG	-0.009	-0.013	0.013	-1.8	-1.9	1.9	-0.004	0.002	0.020
			-----			-----			-----		
			0.016			2.1			0.004		
			-----			-----			-----		
									0.027		

HAT CREEK

40489S001	7218	RG	0.000	-0.001	0.001	-0.1	-0.2	0.1	0.000	0.000	0.001
40489S001	7218	RN	0.001	0.002	-0.002	0.1	0.2	-0.2	0.000	0.000	-0.002
			-----			-----			-----		
			0.001			0.2			0.000		
			-----			-----			-----		
									0.002		

MARYLAND POINT

40490S001	7217	RO	0.001	-0.007	0.006	0.2	-0.7	0.6	-0.001	0.000	0.009
40490S001	7217	RN	0.003	-0.354	0.200	0.0	-0.6	0.5	-0.075	-0.056	0.395
40490S001	7217	RG	-0.001	0.004	-0.004	-0.1	0.6	-0.5	0.000	0.000	-0.006

40497M002	7220	GA	-0.001	0.000	0.002	-0.3	0.1	0.6	0.000	0.002	0.001
40497M002	7220	LC	0.050	0.005	-0.069	2.1	0.2	-3.0	0.042	-0.043	-0.060
40497M002	7220	LD	0.021	-0.071	-0.071	0.2	-0.6	-0.6	0.050	-0.089	0.007
40497M003	7274	LC	-0.001	-0.053	-0.021	-0.1	-2.2	-0.9	0.022	-0.044	0.029
40497M003	7274	GA	-0.001	-0.002	0.002	-0.5	-0.7	0.6	0.002	0.002	0.000
40497M003	7274	GA	-0.001	0.028	-0.021	-0.1	1.6	-1.3	0.028	-0.017	-0.014
40497M003	7274	RG	0.007	0.018	-0.004	1.1	2.0	-0.6	-0.002	0.007	-0.018
			-----			-----			-----		
			0.030			1.1			0.032		
									0.024		

RICHMOND

40499M002	7295	GA	0.000	0.000	0.000	0.0	0.0	0.1	0.000	0.000	0.000
40499M002	7295	LD	-0.018	-0.008	-0.039	-0.7	-0.3	-1.5	-0.019	-0.038	-0.012
40499M002	7295	LC	0.019	0.000	0.008	0.2	0.0	0.1	0.019	0.006	0.006
40499M002	7295	LG	-0.016	-0.030	-0.037	-0.1	-0.2	-0.2	-0.021	-0.045	0.009
40499S001	7219	RN	0.000	0.001	0.000	0.0	0.1	0.0	0.000	0.000	-0.001
40499S001	7219	GA	0.000	0.000	0.000	-0.1	0.0	-0.1	0.000	0.000	0.000
40499S001	7219	RO	0.000	-0.003	0.005	0.1	-0.6	1.1	0.000	0.004	0.005
40499S001	7219	RG	0.000	0.003	-0.004	0.0	0.6	-0.8	0.000	-0.002	-0.004
			-----			-----			-----		
			0.014			0.5			0.017		
									0.006		

MAZATLAN

40504M001	7122	LK	0.023	0.047	0.012	0.8	1.7	0.4	0.009	0.031	-0.043
40504M001	7122	LD	-0.004	-0.016	0.000	-0.2	-0.9	0.0	0.001	-0.006	0.015
40504M001	7122	LG	-0.016	-0.013	0.003	-0.9	-0.8	0.2	-0.011	-0.004	0.017
40504M001	7122	LT	0.006	-0.018	0.006	0.2	-0.7	0.2	0.011	-0.001	0.017
40504M001	7122	LZ	0.007	0.013	-0.021	0.5	0.8	-1.3	0.003	-0.013	-0.021
40504M001	7122	LU	0.001	0.006	0.008	0.0	0.4	0.5	-0.001	0.010	-0.002
40504M001	7122	LC	-0.002	-0.001	0.007	-0.1	-0.1	0.4	-0.002	0.006	0.005
			-----			-----			-----		
			0.015			0.7			0.011		
									0.021		

CABO SAN LUCAS

40505M001	7882	LD	-0.056	-0.031	0.003	-1.2	-1.2	0.1	-0.043	-0.015	0.045
40505M001	7882	LG	-0.056	-0.189	0.045	-0.9	-2.9	0.8	0.012	-0.034	0.199
40505M001	7882	LC	0.017	0.029	-0.007	0.8	1.6	-0.3	0.006	0.007	-0.033
			-----			-----			-----		
			0.072			1.3			0.024		
									0.119		

ENSENADA

40506M001	7883	LG	0.082	0.074	0.051	0.3	0.3	0.2	0.041	0.097	-0.061
40506M001	7883	LU	0.072	0.015	0.120	1.5	0.3	2.5	0.058	0.126	0.023
40506M001	7883	LZ	-0.010	-0.013	0.036	-0.6	-0.6	1.6	-0.003	0.023	0.032
40506M001	7883	LD	0.054	0.011	-0.019	1.1	0.2	-0.4	0.043	0.002	-0.039
40506M001	7883	LC	-0.015	0.016	-0.029	-0.6	0.7	-1.2	-0.021	-0.021	-0.022
40506M001	7883	LK	0.013	-0.040	-0.145	0.2	-0.9	-3.1	0.029	-0.139	-0.049
			-----			-----			-----		
			0.059			1.2			0.067		
									0.040		

SANTIAGO DE CUBA

40701S001	1953	LZ	0.016	-0.078	0.002	0.2	-0.7	0.0	-0.004	-0.025	0.076
40701S001	1953	LK	0.005	0.009	-0.006	0.1	0.2	-0.1	0.007	-0.003	-0.009
40701S001	1953	LC	-0.111	-0.008	0.016	-1.1	-0.1	0.2	-0.109	0.022	-0.013
40701S001	1953	LG	0.082	0.040	0.004	0.5	0.3	0.0	0.089	0.010	-0.016
40701S001	1953	LD	0.331	0.023	0.197	0.9	0.1	0.4	0.327	0.165	0.122
			-----			-----			-----		
			0.108			0.5			0.125		

NATAL

41604S001	7929	LG	-0.085	0.117	-0.007	-1.8	1.9	-0.1	0.047	-0.021	-0.135
41604S001	7929	LC	0.079	-0.112	0.012	1.7	-1.9	0.2	-0.046	0.026	0.128
41604S001	7929	LD	0.321	0.822	-0.792	0.6	1.2	-1.1	0.857	-0.810	-0.129
			-----			-----			-----		
			0.401			1.3			0.482		

EASTER ISLAND

41703M002	7097	LC	-0.002	0.004	-0.016	-0.1	0.2	-0.7	-0.003	-0.015	0.004
41703M002	7097	LG	0.001	-0.010	-0.004	0.0	-0.3	-0.1	0.005	0.001	0.010
41703M002	7097	LK	-0.037	0.005	-0.030	-1.2	0.2	-1.0	-0.037	-0.023	0.020
41703M002	7097	LU	-0.028	-0.030	-0.006	-1.5	-1.7	-0.3	-0.017	0.012	0.037
41703M002	7097	LZ	0.036	0.006	0.006	2.2	0.3	0.4	0.032	-0.003	-0.018
41703M002	7097	LD	-0.010	0.025	0.023	-0.5	1.3	1.2	-0.018	0.011	-0.029
			-----			-----			-----		
			0.020			1.0			0.018		

SANTIAGO

41705M001	7400	LD	-0.044	-0.016	-0.020	-0.4	-0.1	-0.2	-0.047	-0.017	0.011
41705M001	7400	LG	-0.008	-0.012	-0.039	-0.2	-0.3	-0.9	-0.012	-0.028	0.028
41705M001	7400	LC	0.008	0.007	0.020	0.2	0.3	0.6	0.010	0.015	-0.014
			-----			-----			-----		
			0.023			0.4			0.025		

CERRO TOLOLO

41706M001	7401	LD	0.047	0.007	0.053	1.7	0.4	2.0	0.047	0.050	-0.019
41706M001	7401	LG	0.113	0.036	0.052	3.1	1.3	1.7	0.118	0.047	-0.023
41706M001	7401	LK	-0.062	-0.027	-0.046	-1.8	-0.8	-1.4	-0.068	-0.037	0.027
41706M001	7401	LC	0.008	-0.003	-0.019	0.4	-0.1	-0.9	0.006	-0.014	0.014
41706M001	7401	LZ	-0.029	-0.009	-0.013	-1.8	-0.6	-0.8	-0.030	-0.011	0.006
			-----			-----			-----		
			0.045			1.4			0.053		

SEST

41709S001	7239	RG	0.000	-0.014	0.000	0.0	-0.5	0.0	-0.005	0.007	0.011
41709S001	7239	RN	0.156	0.017	-0.661	0.3	0.6	-1.3	0.153	-0.560	0.353
			-----			-----			-----		
			0.277			0.6			0.290		

AREQUIPA

42202M003	7403	LC	0.008	0.001	0.017	0.3	0.1	0.7	0.008	0.017	-0.004
42202M003	7403	LK	-0.020	0.022	-0.044	-0.6	0.7	-1.3	-0.012	-0.050	-0.013
42202M003	7403	LZ	0.002	-0.009	0.003	0.1	-0.5	0.2	-0.001	0.006	0.008
42202S001	7907	LZ	-0.013	-0.040	-0.002	-0.6	-1.4	-0.1	-0.025	0.008	0.032
42202S001	7907	LK	-0.061	-0.045	-0.025	-2.2	-1.6	-0.9	-0.072	-0.018	0.029
42202S001	7907	LT	0.015	0.020	0.002	0.2	0.7	0.1	0.021	-0.002	-0.015
42202S001	7907	LU	0.020	-0.014	-0.018	1.1	-0.8	-1.0	0.015	-0.011	0.023
42202S001	7907	LD	-0.011	0.016	0.009	-0.7	1.1	0.6	-0.006	0.004	-0.020
42202S001	7907	LC	0.016	0.008	0.009	0.9	0.5	0.5	0.018	0.008	-0.005
42202S001	7907	LG	0.023	0.009	0.012	0.8	0.5	0.4	0.025	0.011	-0.005
			-----			-----			-----		
			0.022			0.8			0.024		
									0.018		

BERMUDA

42501M001	7067	LC	0.003	0.006	0.003	0.0	0.1	0.0	0.006	0.005	-0.002
42501M001	7067	LG	-0.081	-0.129	-0.056	-0.2	-0.4	-0.1	-0.128	-0.091	0.040
			-----			-----			-----		
			0.066			0.2			0.079		
									0.028		

CANBERRA

50103S001	1543	GB	0.000	0.000	0.000	0.0	0.0	0.0	0.000	0.000	0.000
50103S001	1543	RJ	0.009	0.006	-0.002	0.4	0.4	-0.1	-0.009	-0.005	-0.003
50103S003	7943	LD	0.015	-0.103	-0.157	0.1	-0.8	-1.2	0.080	-0.166	0.037
50103S003	7943	LG	0.038	-0.042	0.093	1.4	-1.5	3.3	0.017	0.045	-0.098
50103S003	7943	LC	-0.011	0.019	-0.031	-0.6	0.9	-1.6	-0.010	-0.014	0.034
50103S003	7943	GA	-0.179	0.127	-0.325	-1.8	1.3	-3.2	-0.215	-0.276	-0.177
50103S005	1542	RJ	0.010	0.005	-0.003	0.4	0.3	-0.2	-0.010	-0.006	-0.003
50103S005	1542	GB	0.000	0.000	0.000	-0.1	-0.1	0.0	0.000	0.000	0.000
50103S007	7843	LK	-0.003	0.008	-0.020	-0.1	0.2	-0.7	-0.005	-0.013	0.017
50103S007	7843	LU	-0.050	0.054	-0.069	-2.6	2.8	-3.4	-0.020	-0.015	0.097
50103S007	7843	LC	-0.002	0.017	-0.013	-0.1	1.0	-0.8	-0.013	-0.005	0.016
50103S007	7843	LZ	0.015	-0.026	0.019	1.0	-1.5	1.1	0.014	0.000	-0.032
50103S007	7843	LD	0.097	0.046	0.063	0.8	0.4	0.5	-0.089	0.017	-0.085
50103S007	7843	GA	0.000	0.000	0.000	0.0	-0.1	0.1	0.000	0.000	0.000
50103S007	7843	LG	0.048	-0.048	0.060	1.7	-1.9	1.9	0.017	0.011	-0.089
50103S010	1545	RG	-0.009	-0.021	0.014	-0.4	-1.3	1.0	0.023	0.010	-0.011
50103S010	1545	GB	0.000	0.000	0.000	0.1	0.1	-0.1	0.000	0.000	0.000
50103S010	1545	GA	0.003	0.032	-0.057	0.1	1.2	-2.1	-0.032	-0.038	-0.043
50103S010	1545	RN	-0.041	-0.007	0.005	-1.4	-0.3	0.3	0.027	0.022	0.023
50103S010	1545	RJ	0.010	0.002	0.003	0.5	0.1	0.1	-0.007	-0.002	-0.008
			-----			-----			-----		
			0.064			1.2			0.066		
									0.060		

YARRAGADEE

50107M001	7090	LG	0.012	0.000	-0.010	0.7	0.0	-0.6	-0.011	-0.011	0.001
50107M001	7090	LK	-0.045	-0.021	-0.018	-1.7	-0.8	-0.7	0.050	-0.016	0.009
50107M001	7090	LT	0.004	0.002	0.003	0.2	0.1	0.2	-0.004	0.003	-0.002
50107M001	7090	LC	-0.006	0.008	0.008	-0.4	0.5	0.5	0.002	0.012	0.005
50107M001	7090	LZ	0.013	-0.011	0.018	0.9	-0.7	1.0	-0.008	0.008	-0.022
50107M001	7090	LU	-0.011	0.029	-0.021	-0.6	1.6	-1.0	-0.002	-0.003	0.037
50107M001	7090	LD	0.000	-0.015	0.005	0.0	-0.9	0.2	0.006	-0.003	-0.014
			-----			-----			-----		

0.016						0.8			0.015		0.018
HOBART											
50116S002	7242	RG	0.001	0.002	-0.001	0.1	0.2	-0.1	-0.002	0.000	0.001
50116S002	7242	RN	-0.010	-0.019	0.013	-0.2	-0.5	0.3	0.021	0.008	-0.010
-----						-----			-----		-----
0.010						0.3			0.011		0.007
AMERICAN SAMOA											
50503M001	7096	LD	0.058	0.032	-0.094	0.3	0.1	-0.4	-0.022	-0.106	-0.038
50503M001	7096	LC	0.010	-0.015	-0.011	0.4	-0.4	-0.3	0.017	-0.013	-0.004
50503M001	7096	LG	-0.035	0.053	0.047	-0.7	0.8	0.8	-0.058	0.052	0.013
-----						-----			-----		-----
0.047						0.5			0.055		0.023
KWAJALEIN ATOLL											
50505M001	7092	LD	0.024	0.043	-0.010	0.1	0.2	0.0	-0.047	-0.008	-0.016
50505M001	7092	LC	0.015	0.007	0.070	0.5	0.2	1.7	-0.010	0.071	-0.001
50505M001	7092	LG	0.019	0.089	0.113	0.3	1.1	1.4	-0.091	0.111	0.019
50505M001	7092	GA	0.000	0.000	0.000	0.0	0.0	-0.1	0.000	0.000	0.000
50505S003	4968	RN	-0.010	0.000	0.001	-0.4	0.0	0.1	0.002	-0.001	0.010
50505S003	4968	RG	-0.001	-0.001	-0.005	0.0	-0.2	-0.6	0.001	-0.005	0.000
50505S003	4968	GA	0.000	0.000	0.001	0.1	0.1	0.2	0.000	0.001	0.000
-----						-----			-----		-----
0.037						0.6			0.045		0.010
HUAHINE											
92202M002	7121	LC	0.008	0.029	-0.008	0.5	1.5	-0.4	-0.021	-0.013	-0.018
92202M002	7121	LD	0.002	0.049	-0.048	0.0	0.4	-0.4	-0.042	-0.053	-0.010
92202M002	7121	LG	-0.009	0.004	-0.006	-0.4	0.2	-0.3	-0.008	-0.004	0.007
92202M002	7121	LT	0.015	0.013	-0.049	0.3	0.3	-0.7	-0.004	-0.053	-0.004
92202M002	7121	LU	-0.005	-0.039	0.016	-0.3	-1.9	0.9	0.031	0.022	0.018
92202M004	7123	LU	0.020	0.013	0.013	1.1	0.7	0.7	-0.002	0.006	-0.026
92202M004	7123	LZ	-0.041	0.005	-0.004	-2.6	0.3	-0.3	-0.024	0.005	0.033
92202M004	7123	LG	-0.003	-0.050	0.000	-0.1	-1.0	0.0	0.042	0.008	0.026
92202M004	7123	LK	0.131	-0.119	-0.072	3.7	-3.3	-2.0	0.168	-0.086	-0.034
92202M004	7123	LD	-0.015	0.077	-0.040	-0.5	1.5	-0.8	-0.075	-0.045	-0.011
92202M004	7123	LC	0.003	0.012	0.018	0.2	0.6	0.9	-0.009	0.015	-0.013
-----						-----			-----		-----
0.043						1.2			0.050		0.021

(*)

RG: SSC(GSFC) 91 R 02	RN: SSC(NGS) 91 R 01	RO: SSC(USNO) 91 R 02
RJ: SSC(JPL) 91 R 01	LC: SSC(CSR) 91 L 03	LG: SSC(GSFC) 91 L 01
LD: SSC(DGFII)91 L 01	LU: SSC(DUT) 91 L 01	LZ: SSC(ZIPE) 91 L 01
LK: SSC(GAOUA)91 L 02	LT: SSC(NAL) 91 L 01	MX: SSC(UTXMO)91 M 01

MJ: SSC(JPL) 91 M 01

GA: LOCAL TIE SET A

GB: LOCAL TIE SET B

GC: LOCAL TIE SET C

SSC(IERS) 91 C 01
POSITIONS 1984.0

NETWORK NUMBER	SITE	CDP NUM.	X m	Y m	Z m	PLATE
10002M003	GRASSE	VLBI 7605	4581697.859	556125.556	4389351.243	EURA
10002S001	GRASSE	SLR 7835	4581691.843	556159.293	4389359.342	EURA
10002S002	GRASSE	LLR 7845	4581692.421	556195.766	4389354.904	EURA
10004M002	BREST	VLBI 7604	4228877.277	-333104.384	4747180.826	EURA
10302M002	TROMSO	VLBI 7602	2102904.315	721602.400	5958201.224	EURA
10402S002	ONSALA	VLBI 7213	3370606.257	711917.328	5349830.587	EURA
10503M002	METSAHOVI	VLBI 7601	2890652.982	1310295.166	5513958.564	EURA
10503S001	METSAHOVI	SLR 7805	2892595.682	1311807.638	5512610.696	EURA
11001S002	GRAZ	SLR 7839	4194426.775	1162693.811	4647246.500	EURA
12205S001	BOROWIEC	SLR 7811	3738333.186	1148246.214	5021815.792	EURA
12302S002	RIGA	SLR 1884	3183896.100	1421496.854	5322803.380	EURA
12337S003	SIMEIS	SLR 1873	3783902.778	2551404.877	4441257.564	EURA
12337S006	KATZIVELY	SLR 1893	3785945.025	2550780.483	4439461.378	EURA
12602M002	DIONYSOS	SLR 7515	4595216.528	2039435.255	3912629.448	EURA
12602S001	DIONYSOS	SLR 7940	4595217.388	2039464.374	3912613.094	EURA
12612M001	ASKITES	SLR 7510	4353444.976	2082666.234	4156506.613	EURA
12613M001	ROUMELLI	SLR 7517	4728694.730	2174373.270	3674572.947	EURA
12614M001	KARITSA	SLR 7520	4596042.719	1733476.678	4055720.810	EURA
12615M001	KATAVIA	SLR 7512	4573400.142	2409322.160	3723881.713	EURA
12616M001	XRISOKALAR	SLR 7525	4745949.651	1905705.855	3799168.996	EURA
12706M001	LAMPEDUSA	SLR 7544	5072832.065	1130886.177	3684836.910	EURA
12711M002	BOLOGNA	SLR 7546	4461399.768	919566.711	4449510.466	EURA
12711S001	BOLOGNA	VLBI 7230	4461370.237	919596.615	4449559.021	EURA
12717S001	NOTO	VLBI 7547	4934563.378	1321201.063	3806484.270	EURA
12717S002	NOTO	SLR 7543	4934531.725	1321133.556	3806521.303	EURA
12718M002	TRIESTE	SLR 7550	4336738.674	1071271.400	4537911.002	EURA
12725M002	CAGLIARI	SLR 7545	4893398.165	772673.231	4004140.924	EURA
12734M004	MATERA	SLR 7541	4641990.379	1393042.244	4133231.804	EURA
12734M005	MATERA	SLR 7540	4641984.662	1393057.687	4133233.403	EURA
12734S001	MATERA	SLR 7939	4641965.149	1393069.852	4133262.200	EURA
12734S005	MATERA	VLBI 7243	4641939.072	1393002.819	4133325.383	EURA
13201S002	CHILBOLTON	VLBI 7215	4008310.242	-100650.933	4943794.616	EURA
13212S001	HERSTMONCE	SLR 7840	4033463.895	23662.261	4924304.997	EURA
13296M002	CARNUSTY	VLBI 7603	3526416.571	-171421.284	5294098.713	EURA
13407S001	MADRID	VLBI 1563	4849092.760	-360180.735	4115108.979	EURA
13407S003	MADRID	VLBI 1561	4849245.334	-360278.339	4114884.322	EURA
13407S010	MADRID	VLBI 1565	4849336.826	-360489.015	4114748.607	EURA
13504M002	KOOTWIJK	SLR 8833	3899237.949	396769.143	5015055.191	EURA
13504S001	KOOTWIJK	SLR 7833	3899224.224	396742.803	5015073.828	EURA
14001S001	ZIMMERWALD	SLR 7810	4331283.693	567549.495	4633139.908	EURA
14005M002	MONTE GENE	SLR 7590	4390309.956	696751.944	4560835.869	EURA
14106S001	POTSDAM	SLR 1181	3800621.362	882005.257	5028859.484	EURA
14201M004	WETTZELL	SLR 7596	4075582.689	931837.133	4801559.815	EURA
14201M005	WETTZELL	SLR 7597	4075602.147	931826.353	4801547.651	EURA
14201M007	WETTZELL	SLR 7599	4075514.939	931753.376	4801630.737	EURA
14201S002	WETTZELL	SLR 7834	4075530.131	931781.218	4801618.152	EURA
14201S004	WETTZELL	VLBI 7224	4075540.132	931735.072	4801629.221	EURA
14202M002	HOHENBUNST	VLBI 7600	3778215.087	698644.595	5074053.455	EURA
14209S001	EFFELSBERG	VLBI 7203	4033947.690	486990.307	4900430.668	EURA

20702S001	BAR GIYYOR	SLR	7530	4443968.502	3121946.833	3334695.376	AFRC
20801M001	DIYARBAKIR	SLR	7575	3848636.066	3251760.846	3898909.213	EURA
20802M001	YOZGAT	SLR	7585	4029730.763	2802093.209	4062067.974	EURA
20803M001	MELENGICLI	SLR	7580	4247620.595	2778638.886	3851607.484	EURA
20804M001	YIGILCA	SLR	7587	4117362.102	2517076.766	4157679.019	EURA
21602S003	WUHAN	SLR	7236	-2266555.361	5009079.426	3222266.174	EURA
21605S001	SHANGHAI	SLR	7837	-2831087.672	4676203.464	3275172.865	EURA
21605S008	SHANGHAI	VLBI	7226	-2847698.070	4659872.944	3283958.926	EURA
21605S009	SHANGHAI	VLBI	7227	-2831686.544	4675733.862	3275327.855	EURA
21701S001	KASHIMA	VLBI	1856	-3997892.197	3276581.276	3724118.383	NOAM
21701S004	KASHIMA	VLBI	1857	-3997649.129	3276690.789	3724278.987	NOAM
21718S001	MIYAZAKI	VLBI	7312	-3582767.692	4052034.077	3369020.657	EURA
21725S001	NOBEYAMA	VLBI	7244	-3871168.104	3428274.014	3723697.720	EURA
21726S001	SIMOSATO	SLR	7838	-3822388.233	3699363.494	3507573.172	EURA
21730S001	TSUKUBA	VLBI	7311	-3957172.798	3310237.975	3737709.051	EURA
21732S001	CHICHIJIMA	VLBI	7844	-4489356.616	3482989.553	2887931.235	EURA
21732S002	CHICHIJIMA	SLR	7844	-4491072.899	3481527.407	2887391.726	EURA
21733S001	MINAMI TOR	VLBI	7310	-5227447.000	2551378.915	2607604.656	PCFC
21736S001	ISHIGAKI S	SLR	7307	-3265754.183	4810000.654	2614265.499	EURA
30101S001	HELWAN	SLR	7831	4728283.672	2879670.371	3156894.332	AFRC
30302S001	JOHANNESBU	VLBI	7232	5085442.801	2668263.251	-2768697.318	AFRC
40104S001	ALGONQUIN	VLBI	7282	918035.002	-4346132.218	4561971.120	NOAM
40105M001	PENTICTON	VLBI	7283	-2058840.243	-3621286.392	4814420.810	NOAM
40118M001	WHITEHORSE	VLBI	7284	-2215213.432	-2209261.581	5540292.562	NOAM
40127M001	YELLOWKNIF	VLBI	7285	-1224124.336	-2689530.662	5633555.448	NOAM
40129M001	VICTORIA	VLBI	7289	-2341309.928	-3539083.848	4745768.420	NOAM
40400M001	PASADENA	SLR	7896	-2493211.711	-4655229.690	3565574.396	PCFC
40400M003	PASADENA	VLBI	7263	-2493305.775	-4655197.745	3565519.274	PCFC
40403M001	PALOS VERD	VLBI	7268	-2525452.572	-4670035.833	3522886.680	PCFC
40404M001	PEARBLOSSO	VLBI	7254	-2464070.697	-4649425.786	3593905.620	PCFC
40405M001	GOLDSTONE	SLR	7085	-2353394.034	-4641529.593	3676899.266	NOAM
40405M002	GOLDSTONE	SLR	7115	-2350861.482	-4655546.272	3660997.911	NOAM
40405M006	GOLDSTONE	SLR	7265	-2356475.585	-4646618.296	3668424.797	NOAM
40405M013	GOLDSTONE	VLBI	7288	-2356493.957	-4646607.681	3668426.690	NOAM
40405S001	GOLDSTONE	VLBI	1514	-2353621.053	-4641341.560	3677052.382	NOAM
40405S003	GOLDSTONE	VLBI	1512	-2350443.615	-4651980.863	3665631.026	NOAM
40405S009	GOLDSTONE	VLBI	7222	-2356170.839	-4646755.886	3668470.668	NOAM
40405S014	GOLDSTONE	VLBI	1513	-2351128.985	-4655477.092	3660956.969	NOAM
40405S019	GOLDSTONE	VLBI	7231	-2353538.606	-4641649.566	3676670.114	NOAM
40406M001	PRESIDUO	VLBI	7252	-2707704.718	-4257609.609	3888374.249	NOAM
40406M002	PRESIDUOpq	VLBI	7252	-2707704.696	-4257609.584	3888374.214	NOAM
40407M001	PINYON FLA	VLBI	7256	-2369635.716	-4761325.065	3511116.062	PCFC
40408S002	FAIRBANKS	VLBI	7225	-2281546.989	-1453645.020	5756993.263	NOAM
40410M001	POINT REYE	VLBI	7251	-2732332.906	-4217635.065	3914490.967	PCFC
40412M001	AUSTIN	SLR	7890	-754161.812	-5459061.355	3200743.995	NOAM
40412M003	AUSTIN	VLBI	7271	-737793.656	-5459892.272	3202990.515	NOAM
40416M001	YAKATAGA	VLBI	7277	-2529744.051	-1942091.297	5505028.033	NOAM
40416M002	YAKATAGApq	VLBI	7277	-2529744.073	-1942091.245	5505027.887	NOAM
40417M002	PATRICK AF	SLR	7069	917958.945	-5548370.335	2998776.540	NOAM
40419M001	KODIAK	VLBI	7278	-3026940.004	-1575911.779	5370362.555	NOAM
40420M002	VANDENBERG	VLBI	7223	-2678094.527	-4525450.990	3597410.053	PCFC
40421M001	NOME	VLBI	7279	-2658150.266	-693821.884	5737236.678	NOAM
40423M001	SANDPOINT	VLBI	7280	-3425461.743	-1214669.119	5223858.335	NOAM
40424S001	KAUAI	VLBI	1311	-5543845.920	-2054564.459	2387813.667	PCFC
40425M001	SOURDOUGH	VLBI	7281	-2419993.311	-1664228.727	5643538.314	NOAM

40425M002	SOURDOUGH	VLBI	7281	-2419993.299	-1664228.735	5643538.336	NOAM
40427M001	FORT ORD	VLBI	7266	-2697026.564	-4354393.482	3788077.524	PCFC
40427M002	FORT ORD	VLBI	7241	-2699839.992	-4359127.174	3781050.803	PCFC
40427M003	FORT ORD	VLBI	7241	-2699839.929	-4359127.103	3781050.798	PCFC
40428M001	SANTA PAOL	VLBI	7255	-2554476.451	-4608627.544	3582138.216	PCFC
40430M001	BLACK BUTT	VLBI	7269	-2306306.803	-4787914.430	3515736.480	NOAM
40431M001	DEADMAN LA	VLBI	7267	-2336819.515	-4732586.983	3570330.057	NOAM
40432M001	ELY	VLBI	7286	-2077236.150	-4486712.712	4018753.805	NOAM
40433M001	QUINCY	SLR	7051	-2516893.044	-4198845.052	4076411.582	NOAM
40433M002	QUINCY	SLR	7109	-2517234.619	-4198556.230	4076569.740	NOAM
40433M004	QUINCY	VLBI	7221	-2517230.729	-4198595.218	4076531.331	NOAM
40433M005	QUINCY	SLR	7886	-2517242.229	-4198550.922	4076570.356	NOAM
40434M002	MOUNT HOPK	SLR	7888	-1936744.192	-5077639.083	3331993.937	NOAM
40434S001	MOUNT HOPK	SLR	7921	-1936759.982	-5077707.087	3331922.456	NOAM
40436M002	SAN DIEGO	SLR	7062	-2428825.695	-4799750.643	3417272.625	PCFC
40436M003	SAN DIEGO	SLR	7035	-2428826.450	-4799754.474	3417266.986	PCFC
40437M001	MAMMOTH LA	VLBI	7259	-2448246.599	-4426738.286	3875435.928	NOAM
40438M001	BEAR LAKE	SLR	7082	-1735997.033	-4425048.283	4241430.481	NOAM
40438M002	BEAR LAKE	SLR	7046	-1736002.921	-4425049.616	4241427.139	NOAM
40439M001	OWENS VALL	SLR	7114	-2410422.299	-4477802.684	3838686.768	NOAM
40439M003	OWENS VALL	SLR	7084	-2410590.034	-4477745.246	3838648.465	NOAM
40439M004	OWENS VALL	VLBI	7853	-2410421.076	-4477800.421	3838690.386	NOAM
40439S002	OWENS VALL	VLBI	7207	-2409600.592	-4478349.547	3838603.275	NOAM
40440M001	WESTFORD	SLR	7091	1492453.844	-4457278.755	4296815.902	NOAM
40440S002	WESTFORD	VLBI	7205	1492404.980	-4457266.491	4296881.709	NOAM
40440S003	WESTFORD	VLBI	7209	1492206.841	-4458130.480	4296015.476	NOAM
40441S001	GREENBANK	VLBI	7204	882880.112	-4924482.277	3944130.636	NOAM
40441S004	GREENBANK	VLBI	7214	882325.797	-4925137.966	3943397.634	NOAM
40442M001	FORT DAVIS	SLR	7086	-1330125.206	-5328526.634	3236150.305	NOAM
40442M005	FORT DAVIS	SLR	7885	-1330125.207	-5328526.633	3236150.305	NOAM
40442M006	FORT DAVIS	SLR	7080	-1330020.877	-5328401.858	3236480.857	NOAM
40442M008	FORT DAVIS	VLBI	7850	-1330008.004	-5328391.571	3236502.787	NOAM
40442M009	FORT DAVIS	VLBI	7900	-1324227.781	-5332063.040	3232023.090	NOAM
40442S002	FORT DAVIS	LLR	7206	-1330781.183	-5328755.581	3235697.737	NOAM
40442S003	FORT DAVIS	VLBI	7216	-1324210.808	-5332023.134	3232118.429	NOAM
40445M001	MAUI	SLR	7210	-5466006.408	-2404428.240	2242187.372	PCFC
40445M002	MAUI	VLBI	7120	-5465998.391	-2404408.831	2242228.300	PCFC
40445S005	MAUI	LLR	7210	-5466006.890	-2404428.451	2242188.375	PCFC
40449M001	OCOTILLO	VLBI	7270	-2335600.964	-4832244.249	3434392.594	NOAM
40451M101	WASHINGTON	SLR	7101	1131240.440	-4831179.735	3994148.452	NOAM
40451M102	WASHINGTON	VLBI	7102	1130686.750	-4831353.013	3994110.889	NOAM
40451M103	WASHINGTON	SLR	7103	1130685.796	-4831348.692	3994116.330	NOAM
40451M104	WASHINGTON	SLR	7104	1131095.973	-4831196.934	3994170.719	NOAM
40451M105	WASHINGTON	SLR	7105	1130719.863	-4831350.559	3994106.491	NOAM
40451M106	WASHINGTON	SLR	7100	1131355.676	-4831168.331	3994131.655	NOAM
40451M108	WASHINGTON	SLR	7065	1130692.251	-4831351.389	3994111.760	NOAM
40451M111	WASHINGTON	SLR	7899	1131364.899	-4831168.782	3994128.903	NOAM
40451M112	WASHINGTON	SLR	7063	1130714.915	-4831367.722	3994087.366	NOAM
40451M114	WASHINGTON	SLR	7125	1130745.958	-4831368.028	3994077.078	NOAM
40451M116	WASHINGTON	SLR	7130	1130735.502	-4831324.582	3994132.319	NOAM
40451M117	WASHINGTON	SLR	7920	1130742.022	-4831369.758	3994076.122	NOAM
40451M120	WASHINGTON	SLR	7918	1130705.465	-4831345.420	3994115.985	NOAM
40451S145	WASHINGTON	SLR	7919	1130705.864	-4831347.454	3994117.506	NOAM
40452M001	BLOOMINGTO	VLBI	7291	302384.612	-4941699.026	4007908.484	NOAM
40453M001	CARROLLTON	VLBI	7228	453520.780	-5300506.756	3507207.434	NOAM

40454M001	LEONARD	VLBI	7292	-522231.425	-5145676.881	3720152.385	NOAM
40455M001	MILES CITY	VLBI	7038	-1204438.837	-4239211.088	4596266.103	NOAM
40456S001	PIETOWN	VLBI	7234	-1640953.506	-5014816.026	3575411.985	NOAM
40457M001	SEATTLE	VLBI	7229	-2295347.821	-3638029.466	4693408.766	NOAM
40489S001	HAT CREEK	VLBI	7218	-2523969.777	-4123506.356	4147752.658	NOAM
40490S001	MARYLAND P	VLBI	7217	1106629.535	-4882907.167	3938086.939	NOAM
40491M002	FLAGSTAFF	SLR	7891	-1923976.588	-4850871.730	3658574.966	NOAM
40491M003	FLAGSTAFF	VLBI	7261	-1923992.521	-4850854.517	3658589.335	NOAM
40492M001	VERNAL	SLR	7892	-1631484.587	-4589133.870	4106749.573	NOAM
40492M002	VERNAL	VLBI	7290	-1631473.137	-4589128.914	4106759.928	NOAM
40493M001	YUMA	VLBI	7894	-2196777.772	-4887337.064	3448425.299	NOAM
40496M001	PLATTEVILL	SLR	7112	-1240678.075	-4720463.387	4094480.657	NOAM
40496M002	PLATTEVILL	VLBI	7258	-1240707.969	-4720454.351	4094481.682	NOAM
40497M001	MONUMENT P	SLR	7110	-2386277.769	-4802354.503	3444881.361	PCFC
40497M002	MONUMENT P	SLR	7220	-2386292.039	-4802347.631	3444880.767	PCFC
40497M003	MONUMENT P	VLBI	7274	-2386289.166	-4802346.703	3444883.886	PCFC
40499M002	RICHMOND	SLR	7295	961319.094	-5674090.956	2740489.542	NOAM
40499S001	RICHMOND	VLBI	7219	961258.217	-5674090.025	2740533.754	NOAM
40504M001	MAZATLAN	SLR	7122	-1660089.235	-5619100.411	2511637.925	NOAM
40505M001	CABO SAN L	SLR	7882	-1997241.540	-5528041.370	2468355.183	PCFC
40506M001	ENSENADA	SLR	7883	-2406126.583	-4898368.545	3290336.469	PCFC
40701S001	SANTIAGO D	SLR	1953	1474548.472	-5811242.349	2168944.981	NOAM
41604S001	NATAL	SLR	7929	5186467.954	-3653856.008	-654321.911	SOAM
41703M001	EASTER ISL	SLR	7061	-1884984.141	-5357606.691	-2892852.585	NAZC
41703M002	EASTER ISL	SLR	7097	-1884984.722	-5357608.051	-2892853.331	NAZC
41705M001	SANTIAGO	SLR	7400	1769699.819	-5044612.899	-3468260.072	SOAM
41706M001	CERRO TOLO	SLR	7401	1815517.305	-5213464.802	-3187999.355	SOAM
41709S001	SEST	VLBI	7239	1838237.907	-5258699.200	-3100588.921	SOAM
42202M003	AREQUIPA	SLR	7403	1942808.096	-5804069.654	-1796915.620	SOAM
42202S001	AREQUIPA	SLR	7907	1942792.048	-5804077.632	-1796919.300	SOAM
42501M001	BERMUDA	SLR	7067	2308538.608	-4874079.936	3393628.486	NOAM
42501M002	BERMUDA	VLBI	7294	2307209.643	-4874215.815	3394317.847	NOAM
43602M002	GRAND TURK	SLR	7068	1920482.866	-5619478.281	2318914.353	NOAM
50103S001	CANBERRA	VLBI	1543	-4460894.270	2682361.581	-3674748.999	INDI
50103S003	CANBERRA	SLR	7943	-4447548.595	2677134.042	-3694996.806	INDI
50103S005	CANBERRA	VLBI	1542	-4460980.698	2682413.551	-3674582.488	INDI
50103S007	CANBERRA	SLR	7843	-4446476.583	2678127.017	-3696251.785	INDI
50103S010	CANBERRA	VLBI	1545	-4460934.927	2682765.733	-3674381.814	INDI
50107M001	YARRAGADEE	SLR	7090	-2389006.309	5043329.237	-3078525.533	INDI
50116S002	HOBART	VLBI	7242	-3950236.232	2522347.498	-4311563.109	INDI
50503M001	AMERICAN S	SLR	7096	-6100045.798	-996203.390	-1568976.424	PCFC
50505M001	KWAJALEIN	SLR	7092	-6143447.335	1364699.886	1034163.045	PCFC
50505S003	KWAJALEIN	VLBI	4968	-6143536.569	1363996.909	1034707.285	PCFC
92202M002	HUAHINE	SLR	7121	-5345865.084	-2958246.860	-1824623.919	PCFC
92202M004	HUAHINE	SLR	7123	-5345866.593	-2958247.676	-1824624.458	PCFC

SSC(IERS) 91 C 01
POSITIONS 1986.0

NETWORK NUMBER	SITE	CDP NUM.	X m	Y m	Z m	PLATE
10002M003	GRASSE	VLBI 7605	4581697.831	556125.592	4389351.268	EURA

10002S001	GRASSE	SLR	7835	4581691.815	556159.329	4389359.367	EURA
10002S002	GRASSE	LLR	7845	4581692.393	556195.802	4389354.929	EURA
10004M002	BREST	VLBI	7604	4228877.253	-333104.350	4747180.850	EURA
10302M002	TROMSO	VLBI	7602	2102904.277	721602.421	5958201.235	EURA
10402S002	ONSALA	VLBI	7213	3370606.222	711917.357	5349830.605	EURA
10503M002	METSAHOVI	VLBI	7601	2890652.942	1310295.191	5513958.578	EURA
10503S001	METSAHOVI	SLR	7805	2892595.642	1311807.663	5512610.710	EURA
11001S002	GRAZ	SLR	7839	4194426.742	1162693.844	4647246.522	EURA
12205S001	BOROWIEC	SLR	7811	3738333.151	1148246.245	5021815.812	EURA
12302S002	RIGA	SLR	1884	3183896.061	1421496.882	5322803.396	EURA
12337S003	SIMEIS	SLR	1873	3783902.736	2551404.907	4441257.582	EURA
12337S006	KATZIVELY	SLR	1893	3785944.983	2550780.513	4439461.396	EURA
12602M002	DIONYSOS	SLR	7515	4595216.493	2039435.290	3912629.472	EURA
12602S001	DIONYSOS	SLR	7940	4595217.353	2039464.409	3912613.118	EURA
12612M001	ASKITES	SLR	7510	4353444.938	2082666.268	4156506.635	EURA
12613M001	ROUMELLI	SLR	7517	4728694.695	2174373.307	3674572.971	EURA
12614M001	KARITSA	SLR	7520	4596042.684	1733476.714	4055720.833	EURA
12615M001	KATAVIA	SLR	7512	4573400.105	2409322.196	3723881.735	EURA
12616M001	XRISOKALAR	SLR	7525	4745949.617	1905705.891	3799169.020	EURA
12706M001	LAMPEDUSA	SLR	7544	5072832.037	1130886.215	3684836.937	EURA
12711M002	BOLOGNA	SLR	7546	4461399.737	919566.747	4449510.489	EURA
12711S001	BOLOGNA	VLBI	7230	4461370.206	919596.651	4449559.044	EURA
12717S001	NOTO	VLBI	7547	4934563.348	1321201.101	3806484.296	EURA
12717S002	NOTO	SLR	7543	4934531.695	1321133.594	3806521.329	EURA
12718M002	TRIESTE	SLR	7550	4336738.641	1071271.434	4537911.025	EURA
12725M002	CAGLIARI	SLR	7545	4893398.137	772673.269	4004140.951	EURA
12734M004	MATERA	SLR	7541	4641990.346	1393042.280	4133231.828	EURA
12734M005	MATERA	SLR	7540	4641984.629	1393057.723	4133233.427	EURA
12734S001	MATERA	SLR	7939	4641965.116	1393069.888	4133262.224	EURA
12734S005	MATERA	VLBI	7243	4641939.039	1393002.855	4133325.407	EURA
13201S002	CHILBOLTON	VLBI	7215	4008310.216	-100650.901	4943794.639	EURA
13212S001	HERSTMONCE	SLR	7840	4033463.867	23662.294	4924305.020	EURA
13296M002	CARNUSTY	VLBI	7603	3526416.543	-171421.254	5294098.732	EURA
13407S001	MADRID	VLBI	1563	4849092.739	-360180.698	4115109.006	EURA
13407S003	MADRID	VLBI	1561	4849245.313	-360278.302	4114884.349	EURA
13407S010	MADRID	VLBI	1565	4849336.805	-360488.978	4114748.634	EURA
13504M002	KOOTWIJK	SLR	8833	3899237.918	396769.175	5015055.212	EURA
13504S001	KOOTWIJK	SLR	7833	3899224.193	396742.835	5015073.849	EURA
14001S001	ZIMMERWALD	SLR	7810	4331283.664	567549.529	4633139.932	EURA
14005M002	MONTE GENE	SLR	7590	4390309.926	696751.979	4560835.892	EURA
14106S001	POTSDAM	SLR	1181	3800621.328	882005.289	5028859.504	EURA
14201M004	WETTZELL	SLR	7596	4075582.656	931837.166	4801559.836	EURA
14201M005	WETTZELL	SLR	7597	4075602.114	931826.386	4801547.672	EURA
14201M007	WETTZELL	SLR	7599	4075514.906	931753.409	4801630.758	EURA
14201S002	WETTZELL	SLR	7834	4075530.098	931781.251	4801618.173	EURA
14201S004	WETTZELL	VLBI	7224	4075540.099	931735.105	4801629.242	EURA
14202M002	HOHENBUNST	VLBI	7600	3778215.054	698644.627	5074053.475	EURA
14209S001	EFFELSBERG	VLBI	7203	4033947.659	486990.340	4900430.690	EURA
20702S001	BAR GIYYOR	SLR	7530	4443968.454	3121946.863	3334695.412	AFRC
20801M001	DIYARBAKIR	SLR	7575	3848636.022	3251760.877	3898909.231	EURA
20802M001	YOZGAT	SLR	7585	4029730.722	2802093.241	4062067.994	EURA
20803M001	MELENGICLI	SLR	7580	4247620.554	2778638.919	3851607.504	EURA
20804M001	YIGILCA	SLR	7587	4117362.061	2517076.798	4157679.039	EURA
21602S003	WUHAN	SLR	7236	-2266555.413	5009079.414	3222266.156	EURA
21605S001	SHANGHAI	SLR	7837	-2831087.722	4676203.448	3275172.845	EURA

21605S008	SHANGHAI	VLBI	7226	-2847698.120	4659872.928	3283958.905	EURA
21605S009	SHANGHAI	VLBI	7227	-2831686.594	4675733.846	3275327.835	EURA
21701S001	KASHIMA	VLBI	1856	-3997892.225	3276581.273	3724118.355	NOAM
21701S004	KASHIMA	VLBI	1857	-3997649.157	3276690.786	3724278.959	NOAM
21718S001	MIYAZAKI	VLBI	7312	-3582767.739	4052034.056	3369020.633	EURA
21725S001	NOBEYAMA	VLBI	7244	-3871168.148	3428273.991	3723697.695	EURA
21726S001	SIMOSATO	SLR	7838	-3822388.277	3699363.471	3507573.147	EURA
21730S001	TSUKUBA	VLBI	7311	-3957172.842	3310237.952	3737709.025	EURA
21732S001	CHICHIJIMA	VLBI	7844	-4489356.656	3482989.526	2887931.207	EURA
21732S002	CHICHIJIMA	SLR	7844	-4491072.939	3481527.380	2887391.698	EURA
21733S001	MINAMI TOR	VLBI	7310	-5227446.914	2551379.046	2607604.702	PCFC
21736S001	ISHIGAKI S	SLR	7307	-3265754.231	4810000.635	2614265.476	EURA
30101S001	HELWAN	SLR	7831	4728283.626	2879670.405	3156894.370	AFRC
30302S001	JOHANNESBU	VLBI	7232	5085442.797	2668263.299	-2768697.278	AFRC
40104S001	ALGONQUIN	VLBI	7282	918034.963	-4346132.223	4561971.123	NOAM
40105M001	PENTICTON	VLBI	7283	-2058840.283	-3621286.396	4814420.790	NOAM
40118M001	WHITEHORSE	VLBI	7284	-2215213.477	-2209261.587	5540292.542	NOAM
40127M001	YELLOWKNIF	VLBI	7285	-1224124.382	-2689530.668	5633555.435	NOAM
40129M001	VICTORIA	VLBI	7289	-2341309.967	-3539083.853	4745768.398	NOAM
40400M001	PASADENA	SLR	7896	-2493211.778	-4655229.617	3565574.443	PCFC
40400M003	PASADENA	VLBI	7263	-2493305.842	-4655197.672	3565519.321	PCFC
40403M001	PALOS VERD	VLBI	7268	-2525452.641	-4670035.760	3522886.728	PCFC
40404M001	PEARBLOSSO	VLBI	7254	-2464070.765	-4649425.714	3593905.666	PCFC
40405M001	GOLDSTONE	SLR	7085	-2353394.065	-4641529.596	3676899.242	NOAM
40405M002	GOLDSTONE	SLR	7115	-2350861.514	-4655546.275	3660997.887	NOAM
40405M006	GOLDSTONE	SLR	7265	-2356475.616	-4646618.299	3668424.773	NOAM
40405M013	GOLDSTONE	VLBI	7288	-2356493.988	-4646607.684	3668426.666	NOAM
40405S001	GOLDSTONE	VLBI	1514	-2353621.084	-4641341.563	3677052.358	NOAM
40405S003	GOLDSTONE	VLBI	1512	-2350443.646	-4651980.866	3665631.002	NOAM
40405S009	GOLDSTONE	VLBI	7222	-2356170.870	-4646755.889	3668470.644	NOAM
40405S014	GOLDSTONE	VLBI	1513	-2351129.017	-4655477.095	3660956.945	NOAM
40405S019	GOLDSTONE	VLBI	7231	-2353538.637	-4641649.569	3676670.090	NOAM
40406M001	PRESIDUO	VLBI	7252	-2707704.751	-4257609.612	3888374.222	NOAM
40406M002	PRESIDUOpq	VLBI	7252	-2707704.729	-4257609.587	3888374.187	NOAM
40407M001	PINYON FLA	VLBI	7256	-2369635.786	-4761324.995	3511116.108	PCFC
40408S002	FAIRBANKS	VLBI	7225	-2281547.035	-1453645.026	5756993.243	NOAM
40410M001	POINT REYE	VLBI	7251	-2732332.960	-4217634.985	3914491.015	PCFC
40412M001	AUSTIN	SLR	7890	-754161.840	-5459061.359	3200743.982	NOAM
40412M003	AUSTIN	VLBI	7271	-737793.684	-5459892.276	3202990.503	NOAM
40416M001	YAKATAGA	VLBI	7277	-2529744.096	-1942091.302	5505028.010	NOAM
40416M002	YAKATAGApq	VLBI	7277	-2529744.118	-1942091.250	5505027.864	NOAM
40417M002	PATRICK AF	SLR	7069	917958.919	-5548370.339	2998776.541	NOAM
40419M001	KODIAK	VLBI	7278	-3026940.047	-1575911.783	5370362.529	NOAM
40420M002	VANDENBERG	VLBI	7223	-2678094.592	-4525450.914	3597410.102	PCFC
40421M001	NOME	VLBI	7279	-2658150.312	-693821.890	5737236.656	NOAM
40423M001	SANDPOINT	VLBI	7280	-3425461.785	-1214669.124	5223858.307	NOAM
40424S001	KAUAI	VLBI	1311	-5543845.941	-2054564.322	2387813.736	PCFC
40425M001	SOURDOUGH	VLBI	7281	-2419993.357	-1664228.733	5643538.293	NOAM
40425M002	SOURDOUGHpq	VLBI	7281	-2419993.345	-1664228.741	5643538.315	NOAM
40427M001	FORT ORD	VLBI	7266	-2697026.623	-4354393.404	3788077.572	PCFC
40427M002	FORT ORD	VLBI	7241	-2699840.050	-4359127.096	3781050.851	PCFC
40427M003	FORT ORDpq	VLBI	7241	-2699839.987	-4359127.025	3781050.846	PCFC
40428M001	SANTA PAOL	VLBI	7255	-2554476.518	-4608627.470	3582138.263	PCFC
40430M001	BLACK BUTT	VLBI	7269	-2306306.834	-4787914.433	3515736.456	NOAM
40431M001	DEADMAN LA	VLBI	7267	-2336819.546	-4732586.986	3570330.033	NOAM

40432M001	ELY	VLBI	7286	-2077236.185	-4486712.715	4018753.784	NOAM
40433M001	QUINCY	SLR	7051	-2516893.078	-4198845.056	4076411.557	NOAM
40433M002	QUINCY	SLR	7109	-2517234.653	-4198556.234	4076569.715	NOAM
40433M004	QUINCY	VLBI	7221	-2517230.763	-4198595.222	4076531.306	NOAM
40433M005	QUINCY	SLR	7886	-2517242.263	-4198550.926	4076570.331	NOAM
40434M002	MOUNT HOPK	SLR	7888	-1936744.221	-5077639.086	3331993.915	NOAM
40434S001	MOUNT HOPK	SLR	7921	-1936760.011	-5077707.090	3331922.434	NOAM
40436M002	SAN DIEGO	SLR	7062	-2428825.767	-4799750.573	3417272.672	PCFC
40436M003	SAN DIEGO	SLR	7035	-2428826.522	-4799754.404	3417267.033	PCFC
40437M001	MAMMOTH LA	VLBI	7259	-2448246.632	-4426738.289	3875435.904	NOAM
40438M001	BEAR LAKE	SLR	7082	-1735997.069	-4425048.287	4241430.462	NOAM
40438M002	BEAR LAKE	SLR	7046	-1736002.957	-4425049.620	4241427.120	NOAM
40439M001	OWENS VALL	SLR	7114	-2410422.332	-4477802.687	3838686.743	NOAM
40439M003	OWENS VALL	SLR	7084	-2410590.067	-4477745.249	3838648.440	NOAM
40439M004	OWENS VALL	VLBI	7853	-2410421.109	-4477800.424	3838690.361	NOAM
40439S002	OWENS VALL	VLBI	7207	-2409600.625	-4478349.550	3838603.250	NOAM
40440M001	WESTFORD	SLR	7091	1492453.807	-4457278.760	4296815.909	NOAM
40440S002	WESTFORD	VLBI	7205	1492404.943	-4457266.496	4296881.716	NOAM
40440S003	WESTFORD	VLBI	7209	1492206.804	-4458130.485	4296015.483	NOAM
40441S001	GREENBANK	VLBI	7204	882880.078	-4924482.282	3944130.638	NOAM
40441S004	GREENBANK	VLBI	7214	882325.763	-4925137.971	3943397.636	NOAM
40442M001	FORT DAVIS	SLR	7086	-1330125.235	-5328526.637	3236150.289	NOAM
40442M005	FORT DAVIS	SLR	7885	-1330125.236	-5328526.636	3236150.289	NOAM
40442M006	FORT DAVIS	SLR	7080	-1330020.906	-5328401.861	3236480.841	NOAM
40442M008	FORT DAVIS	VLBI	7850	-1330008.033	-5328391.574	3236502.771	NOAM
40442M009	FORT DAVIS	VLBI	7900	-1324227.810	-5332063.043	3232023.074	NOAM
40442S002	FORT DAVIS	LLR	7206	-1330781.212	-5328755.584	3235697.721	NOAM
40442S003	FORT DAVIS	VLBI	7216	-1324210.837	-5332023.137	3232118.413	NOAM
40445M001	MAUI	SLR	7210	-5466006.438	-2404428.106	2242187.442	PCFC
40445M002	MAUI	VLBI	7120	-5465998.421	-2404408.697	2242228.370	PCFC
40445S005	MAUI	LLR	7210	-5466006.920	-2404428.317	2242188.445	PCFC
40449M001	OCOTILLO	VLBI	7270	-2335600.994	-4832244.252	3434392.570	NOAM
40451M101	WASHINGTON	SLR	7101	1131240.406	-4831179.740	3994148.456	NOAM
40451M102	WASHINGTON	VLBI	7102	1130686.716	-4831353.018	3994110.893	NOAM
40451M103	WASHINGTON	SLR	7103	1130685.762	-4831348.697	3994116.334	NOAM
40451M104	WASHINGTON	SLR	7104	1131095.939	-4831196.939	3994170.723	NOAM
40451M105	WASHINGTON	SLR	7105	1130719.829	-4831350.564	3994106.495	NOAM
40451M106	WASHINGTON	SLR	7100	1131355.642	-4831168.336	3994131.659	NOAM
40451M108	WASHINGTON	SLR	7065	1130692.217	-4831351.394	3994111.764	NOAM
40451M111	WASHINGTON	SLR	7899	1131364.865	-4831168.787	3994128.907	NOAM
40451M112	WASHINGTON	SLR	7063	1130714.881	-4831367.727	3994087.370	NOAM
40451M114	WASHINGTON	SLR	7125	1130745.924	-4831368.033	3994077.082	NOAM
40451M116	WASHINGTON	SLR	7130	1130735.468	-4831324.587	3994132.323	NOAM
40451M117	WASHINGTON	SLR	7920	1130741.988	-4831369.763	3994076.126	NOAM
40451M120	WASHINGTON	SLR	7918	1130705.431	-4831345.425	3994115.989	NOAM
40451S145	WASHINGTON	SLR	7919	1130705.830	-4831347.459	3994117.510	NOAM
40452M001	BLOOMINGTO	VLBI	7291	302384.577	-4941699.031	4007908.480	NOAM
40453M001	CARROLLTON	VLBI	7228	453520.750	-5300506.761	3507207.431	NOAM
40454M001	LEONARD	VLBI	7292	-522231.457	-5145676.885	3720152.375	NOAM
40455M001	MILES CITY	VLBI	7038	-1204438.875	-4239211.092	4596266.088	NOAM
40456S001	PIETOWN	VLBI	7234	-1640953.537	-5014816.030	3575411.966	NOAM
40457M001	SEATTLE	VLBI	7229	-2295347.860	-3638029.471	4693408.743	NOAM
40489S001	HAT CREEK	VLBI	7218	-2523969.812	-4123506.359	4147752.633	NOAM
40490S001	MARYLAND P	VLBI	7217	1106629.501	-4882907.172	3938086.942	NOAM
40491M002	FLAGSTAFF	SLR	7891	-1923976.619	-4850871.734	3658574.945	NOAM

40491M003	FLAGSTAFF	VLBI	7261	-1923992.552	-4850854.521	3658589.314	NOAM
40492M001	VERNAL	SLR	7892	-1631484.622	-4589133.874	4106749.554	NOAM
40492M002	VERNAL	VLBI	7290	-1631473.172	-4589128.918	4106759.909	NOAM
40493M001	YUMA	VLBI	7894	-2196777.802	-4887337.067	3448425.276	NOAM
40496M001	PLATTEVILL	SLR	7112	-1240678.110	-4720463.391	4094480.641	NOAM
40496M002	PLATTEVILL	VLBI	7258	-1240708.004	-4720454.355	4094481.666	NOAM
40497M001	MONUMENT P	SLR	7110	-2386277.842	-4802354.433	3444881.407	PCFC
40497M002	MONUMENT P	SLR	7220	-2386292.112	-4802347.561	3444880.813	PCFC
40497M003	MONUMENT P	VLBI	7274	-2386289.239	-4802346.633	3444883.932	PCFC
40499M002	RICHMOND	SLR	7295	961319.070	-5674090.959	2740489.543	NOAM
40499S001	RICHMOND	VLBI	7219	961258.193	-5674090.028	2740533.755	NOAM
40504M001	MAZATLAN	SLR	7122	-1660089.258	-5619100.413	2511637.906	NOAM
40505M001	CABO SAN L	SLR	7882	-1997241.639	-5528041.313	2468355.229	PCFC
40506M001	ENSENADA	SLR	7883	-2406126.660	-4898368.476	3290336.516	PCFC
40701S001	SANTIAGO D	SLR	1953	1474548.452	-5811242.352	2168944.986	NOAM
41604S001	NATAL	SLR	7929	5186467.946	-3653856.025	-654321.884	SOAM
41703M001	EASTER ISL	SLR	7061	-1884983.970	-5357606.741	-2892852.603	NAZC
41703M002	EASTER ISL	SLR	7097	-1884984.551	-5357608.101	-2892853.349	NAZC
41705M001	SANTIAGO	SLR	7400	1769699.816	-5044612.911	-3468260.055	SOAM
41706M001	CERRO TOLO	SLR	7401	1815517.301	-5213464.813	-3187999.338	SOAM
41709S001	SEST	VLBI	7239	1838237.902	-5258699.211	-3100588.904	SOAM
42202M003	AREQUIPA	SLR	7403	1942808.085	-5804069.664	-1796915.602	SOAM
42202S001	AREQUIPA	SLR	7907	1942792.037	-5804077.642	-1796919.282	SOAM
42501M001	BERMUDA	SLR	7067	2308538.578	-4874079.941	3393628.499	NOAM
42501M002	BERMUDA	VLBI	7294	2307209.613	-4874215.820	3394317.860	NOAM
43602M002	GRAND TURK	SLR	7068	1920482.844	-5619478.284	2318914.362	NOAM
50103S001	CANBERRA	VLBI	1543	-4460894.343	2682361.576	-3674748.915	INDI
50103S003	CANBERRA	SLR	7943	-4447548.667	2677134.038	-3694996.722	INDI
50103S005	CANBERRA	VLBI	1542	-4460980.771	2682413.546	-3674582.404	INDI
50103S007	CANBERRA	SLR	7843	-4446476.655	2678127.013	-3696251.701	INDI
50103S010	CANBERRA	VLBI	1545	-4460935.000	2682765.728	-3674381.730	INDI
50107M001	YARRAGADEE	SLR	7090	-2389006.412	5043329.253	-3078525.427	INDI
50116S002	HOBART	VLBI	7242	-3950236.307	2522347.512	-4311563.032	INDI
50503M001	AMERICAN S	SLR	7096	-6100045.838	-996203.257	-1568976.354	PCFC
50505M001	KWAJALEIN	SLR	7092	-6143447.292	1364700.031	1034163.106	PCFC
50505S003	KWAJALEIN	VLBI	4968	-6143536.526	1363997.054	1034707.346	PCFC
92202M002	HUAHINE	SLR	7121	-5345865.172	-2958246.745	-1824623.848	PCFC
92202M004	HUAHINE	SLR	7123	-5345866.681	-2958247.561	-1824624.387	PCFC

SSC(IERS) 91 C 01
POSITIONS 1988.0
(see Table T6 of this appendix)

SSC(IERS) 91 C 01
POSITIONS 1990.0

NETWORK NUMBER	SITE	CDP NUM.	X m	Y m	Z m	PLATE
10002M003	GRASSE	VLBI 7605	4581697.775	556125.664	4389351.318	EUR A

10002S001	GRASSE	SLR	7835	4581691.759	556159.401	4389359.417	EURA
10002S002	GRASSE	LLR	7845	4581692.337	556195.874	4389354.979	EURA
10004M002	BREST	VLBI	7604	4228877.205	-333104.282	4747180.898	EURA
10302M002	TROMSO	VLBI	7602	2102904.201	721602.463	5958201.257	EURA
10402S002	ONSALA	VLBI	7213	3370606.153	711917.415	5349830.641	EURA
10503M002	METSAHOVI	VLBI	7601	2890652.863	1310295.243	5513958.608	EURA
10503S001	METSAHOVI	SLR	7805	2892595.563	1311807.715	5512610.740	EURA
11001S002	GRAZ	SLR	7839	4194426.674	1162693.912	4647246.566	EURA
12205S001	BOROWIEC	SLR	7811	3738333.079	1148246.307	5021815.850	EURA
12302S002	RIGA	SLR	1884	3183895.983	1421496.937	5322803.428	EURA
12337S003	SIMEIS	SLR	1873	3783902.652	2551404.969	4441257.618	EURA
12337S006	KATZIVELY	SLR	1893	3785944.899	2550780.575	4439461.432	EURA
12602M002	DIONYSOS	SLR	7515	4595216.421	2039435.362	3912629.518	EURA
12602S001	DIONYSOS	SLR	7940	4595217.281	2039464.481	3912613.164	EURA
12612M001	ASKITES	SLR	7510	4353444.864	2082666.336	4156506.679	EURA
12613M001	ROUMELLI	SLR	7517	4728694.625	2174373.379	3674573.019	EURA
12614M001	KARITSA	SLR	7520	4596042.616	1733476.786	4055720.881	EURA
12615M001	KATAVIA	SLR	7512	4573400.031	2409322.266	3723881.781	EURA
12616M001	XRISOKALAR	SLR	7525	4745949.549	1905705.965	3799169.068	EURA
12706M001	LAMPEDUSA	SLR	7544	5072831.981	1130886.293	3684836.991	EURA
12711M002	BOLOGNA	SLR	7546	4461399.675	919566.817	4449510.537	EURA
12711S001	BOLOGNA	VLBI	7230	4461370.144	919596.721	4449559.092	EURA
12717S001	NOTO	VLBI	7547	4934563.288	1321201.177	3806484.348	EURA
12717S002	NOTO	SLR	7543	4934531.635	1321133.670	3806521.381	EURA
12718M002	TRIESTE	SLR	7550	4336738.577	1071271.504	4537911.071	EURA
12725M002	CAGLIARI	SLR	7545	4893398.083	772673.345	4004141.003	EURA
12734M004	MATERA	SLR	7541	4641990.282	1393042.352	4133231.876	EURA
12734M005	MATERA	SLR	7540	4641984.565	1393057.795	4133233.475	EURA
12734S001	MATERA	SLR	7939	4641965.052	1393069.960	4133262.272	EURA
12734S005	MATERA	VLBI	7243	4641938.975	1393002.927	4133325.455	EURA
13201S002	CHILBOLTON	VLBI	7215	4008310.162	-100650.835	4943794.683	EURA
13212S001	HERSTMONCE	SLR	7840	4033463.813	23662.360	4924305.064	EURA
13296M002	CARNUSTY	VLBI	7603	3526416.487	-171421.194	5294098.772	EURA
13407S001	MADRID	VLBI	1563	4849092.699	-360180.622	4115109.060	EURA
13407S003	MADRID	VLBI	1561	4849245.273	-360278.226	4114884.403	EURA
13407S010	MADRID	VLBI	1565	4849336.765	-360488.902	4114748.688	EURA
13504M002	KOOTWIJK	SLR	8833	3899237.857	396769.239	5015055.254	EURA
13504S001	KOOTWIJK	SLR	7833	3899224.132	396742.899	5015073.891	EURA
14001S001	ZIMMERWALD	SLR	7810	4331283.604	567549.599	4633139.978	EURA
14005M002	MONTE GENE	SLR	7590	4390309.866	696752.049	4560835.940	EURA
14106S001	POTSDAM	SLR	1181	3800621.260	882005.351	5028859.544	EURA
14201M004	WETTZELL	SLR	7596	4075582.590	931837.232	4801559.880	EURA
14201M005	WETTZELL	SLR	7597	4075602.048	931826.452	4801547.716	EURA
14201M007	WETTZELL	SLR	7599	4075514.840	931753.475	4801630.802	EURA
14201S002	WETTZELL	SLR	7834	4075530.032	931781.317	4801618.217	EURA
14201S004	WETTZELL	VLBI	7224	4075540.033	931735.171	4801629.286	EURA
14202M002	HOHENBUNST	VLBI	7600	3778214.988	698644.689	5074053.515	EURA
14209S001	EFFELSBERG	VLBI	7203	4033947.599	486990.406	4900430.734	EURA
20702S001	BAR GIYYOR	SLR	7530	4443968.356	3121946.925	3334695.484	AFRC
20801M001	DIYARBAKIR	SLR	7575	3848635.934	3251760.938	3898909.267	EURA
20802M001	YOZGAT	SLR	7585	4029730.638	2802093.305	4062068.032	EURA
20803M001	MELENGICLI	SLR	7580	4247620.474	2778638.985	3851607.546	EURA
20804M001	YIGILCA	SLR	7587	4117361.981	2517076.864	4157679.079	EURA
21602S003	WUHAN	SLR	7236	-2266555.517	5009079.390	3222266.120	EURA
21605S001	SHANGHAI	SLR	7837	-2831087.822	4676203.416	3275172.803	EURA

21605S008	SHANGHAI	VLBI	7226	-2847698.220	4659872.896	3283958.863	EURA
21605S009	SHANGHAI	VLBI	7227	-2831686.694	4675733.814	3275327.793	EURA
21701S001	KASHIMA	VLBI	1856	-3997892.281	3276581.269	3724118.299	NOAM
21701S004	KASHIMA	VLBI	1857	-3997649.213	3276690.782	3724278.903	NOAM
21718S001	MIYAZAKI	VLBI	7312	-3582767.831	4052034.014	3369020.585	EURA
21725S001	NOBEYAMA	VLBI	7244	-3871168.236	3428273.946	3723697.645	EURA
21726S001	SIMOSATO	SLR	7838	-3822388.367	3699363.427	3507573.097	EURA
21730S001	TSUKUBA	VLBI	7311	-3957172.928	3310237.906	3737708.975	EURA
21732S001	CHICHIJIMA	VLBI	7844	-4489356.736	3482989.470	2887931.149	EURA
21732S002	CHICHIJIMA	SLR	7844	-4491073.019	3481527.324	2887391.640	EURA
21733S001	MINAMI TOR	VLBI	7310	-5227446.740	2551379.308	2607604.794	PCFC
21736S001	ISHIGAKI S	SLR	7307	-3265754.325	4810000.595	2614265.430	EURA
30101S001	HELWAN	SLR	7831	4728283.536	2879670.471	3156894.444	AFRC
30302S001	JOHANNESBU	VLBI	7232	5085442.789	2668263.395	-2768697.200	AFRC
40104S001	ALGONQUIN	VLBI	7282	918034.886	-4346132.235	4561971.127	NOAM
40105M001	PENTICTON	VLBI	7283	-2058840.363	-3621286.406	4814420.748	NOAM
40118M001	WHITEHORSE	VLBI	7284	-2215213.567	-2209261.597	5540292.502	NOAM
40127M001	YELLOWKNIF	VLBI	7285	-1224124.474	-2689530.680	5633555.409	NOAM
40129M001	VICTORIA	VLBI	7289	-2341310.047	-3539083.861	4745768.352	NOAM
40400M001	PASADENA	SLR	7896	-2493211.914	-4655229.473	3565574.537	PCFC
40400M003	PASADENA	VLBI	7263	-2493305.978	-4655197.528	3565519.415	PCFC
40403M001	PALOS VERD	VLBI	7268	-2525452.778	-4670035.614	3522886.823	PCFC
40404M001	PEARBLOSSO	VLBI	7254	-2464070.899	-4649425.570	3593905.760	PCFC
40405M001	GOLDSTONE	SLR	7085	-2353394.129	-4641529.602	3676899.194	NOAM
40405M002	GOLDSTONE	SLR	7115	-2350861.577	-4655546.281	3660997.839	NOAM
40405M006	GOLDSTONE	SLR	7265	-2356475.680	-4646618.305	3668424.725	NOAM
40405M013	GOLDSTONE	VLBI	7288	-2356494.052	-4646607.690	3668426.618	NOAM
40405S001	GOLDSTONE	VLBI	1514	-2353621.148	-4641341.569	3677052.310	NOAM
40405S003	GOLDSTONE	VLBI	1512	-2350443.710	-4651980.872	3665630.954	NOAM
40405S009	GOLDSTONE	VLBI	7222	-2356170.934	-4646755.895	3668470.596	NOAM
40405S014	GOLDSTONE	VLBI	1513	-2351129.080	-4655477.101	3660956.897	NOAM
40405S019	GOLDSTONE	VLBI	7231	-2353538.701	-4641649.575	3676670.042	NOAM
40406M001	PRESIDUO	VLBI	7252	-2707704.817	-4257609.618	3888374.170	NOAM
40406M002	PRESIDUOpq	VLBI	7252	-2707704.795	-4257609.593	3888374.135	NOAM
40407M001	PINYON FLA	VLBI	7256	-2369635.928	-4761324.857	3511116.200	PCFC
40408S002	FAIRBANKS	VLBI	7225	-2281547.129	-1453645.036	5756993.203	NOAM
40410M001	POINT REYE	VLBI	7251	-2732333.068	-4217634.827	3914491.111	PCFC
40412M001	AUSTIN	SLR	7890	-754161.896	-5459061.365	3200743.958	NOAM
40412M003	AUSTIN	VLBI	7271	-737793.740	-5459892.282	3202990.479	NOAM
40416M001	YAKATAGA	VLBI	7277	-2529744.186	-1942091.312	5505027.966	NOAM
40416M002	YAKATAGApq	VLBI	7277	-2529744.208	-1942091.260	5505027.820	NOAM
40417M002	PATRICK AF	SLR	7069	917958.865	-5548370.347	2998776.543	NOAM
40419M001	KODIAK	VLBI	7278	-3026940.135	-1575911.793	5370362.477	NOAM
40420M002	VANDENBERG	VLBI	7223	-2678094.720	-4525450.760	3597410.199	PCFC
40421M001	NOME	VLBI	7279	-2658150.404	-693821.900	5737236.612	NOAM
40423M001	SANDPOINT	VLBI	7280	-3425461.869	-1214669.132	5223858.249	NOAM
40424S001	KAUAI	VLBI	1311	-5543845.983	-2054564.048	2387813.874	PCFC
40425M001	SOURDOUGH	VLBI	7281	-2419993.449	-1664228.743	5643538.251	NOAM
40425M002	SOURDOUGHpq	VLBI	7281	-2419993.437	-1664228.751	5643538.273	NOAM
40427M001	FORT ORD	VLBI	7266	-2697026.739	-4354393.248	3788077.668	PCFC
40427M002	FORT ORD	VLBI	7241	-2699840.168	-4359126.940	3781050.947	PCFC
40427M003	FORT ORDpq	VLBI	7241	-2699840.105	-4359126.869	3781050.942	PCFC
40428M001	SANTA PAOL	VLBI	7255	-2554476.651	-4608627.322	3582138.359	PCFC
40430M001	BLACK BUTT	VLBI	7269	-2306306.894	-4787914.439	3515736.408	NOAM
40431M001	DEADMAN LA	VLBI	7267	-2336819.608	-4732586.992	3570329.985	NOAM

40432M001	ELY	VLBI 7286	-2077236.253	-4486712.723	4018753.740	NOAM
40433M001	QUINCY	SLR 7051	-2516893.148	-4198845.062	4076411.507	NOAM
40433M002	QUINCY	SLR 7109	-2517234.723	-4198556.240	4076569.665	NOAM
40433M004	QUINCY	VLBI 7221	-2517230.833	-4198595.228	4076531.256	NOAM
40433M005	QUINCY	SLR 7886	-2517242.333	-4198550.932	4076570.281	NOAM
40434M002	MOUNT HOPK	SLR 7888	-1936744.279	-5077639.092	3331993.873	NOAM
40434S001	MOUNT HOPK	SLR 7921	-1936760.069	-5077707.096	3331922.392	NOAM
40436M002	SAN DIEGO	SLR 7062	-2428825.913	-4799750.433	3417272.766	PCFC
40436M003	SAN DIEGO	SLR 7035	-2428826.668	-4799754.264	3417267.127	PCFC
40437M001	MAMMOTH LA	VLBI 7259	-2448246.698	-4426738.295	3875435.854	NOAM
40438M001	BEAR LAKE	SLR 7082	-1735997.141	-4425048.295	4241430.424	NOAM
40438M002	BEAR LAKE	SLR 7046	-1736003.029	-4425049.628	4241427.082	NOAM
40439M001	OWENS VALL	SLR 7114	-2410422.398	-4477802.693	3838686.695	NOAM
40439M003	OWENS VALL	SLR 7084	-2410590.133	-4477745.255	3838648.392	NOAM
40439M004	OWENS VALL	VLBI 7853	-2410421.175	-4477800.430	3838690.313	NOAM
40439S002	OWENS VALL	VLBI 7207	-2409600.691	-4478349.556	3838603.202	NOAM
40440M001	WESTFORD	SLR 7091	1492453.735	-4457278.772	4296815.923	NOAM
40440S002	WESTFORD	VLBI 7205	1492404.871	-4457266.508	4296881.730	NOAM
40440S003	WESTFORD	VLBI 7209	1492206.732	-4458130.497	4296015.497	NOAM
40441S001	GREENBANK	VLBI 7204	882880.010	-4924482.292	3944130.640	NOAM
40441S004	GREENBANK	VLBI 7214	882325.695	-4925137.981	3943397.638	NOAM
40442M001	FORT DAVIS	SLR 7086	-1330125.291	-5328526.643	3236150.255	NOAM
40442M005	FORT DAVIS	SLR 7885	-1330125.292	-5328526.642	3236150.255	NOAM
40442M006	FORT DAVIS	SLR 7080	-1330020.962	-5328401.867	3236480.807	NOAM
40442M008	FORT DAVIS	VLBI 7850	-1330008.089	-5328391.580	3236502.737	NOAM
40442M009	FORT DAVIS	VLBI 7900	-1324227.866	-5332063.049	3232023.040	NOAM
40442S002	FORT DAVIS	LLR 7206	-1330781.268	-5328755.590	3235697.687	NOAM
40442S003	FORT DAVIS	VLBI 7216	-1324210.893	-5332023.143	3232118.379	NOAM
40445M001	MAUI	SLR 7210	-5466006.500	-2404427.836	2242187.582	PCFC
40445M002	MAUI	VLBI 7120	-5465998.483	-2404408.427	2242228.510	PCFC
40445S005	MAUI	LLR 7210	-5466006.982	-2404428.047	2242188.585	PCFC
40449M001	OCOTILLO	VLBI 7270	-2335601.054	-4832244.258	3434392.522	NOAM
40451M101	WASHINGTON	SLR 7101	1131240.338	-4831179.750	3994148.462	NOAM
40451M102	WASHINGTON	VLBI 7102	1130686.648	-4831353.028	3994110.899	NOAM
40451M103	WASHINGTON	SLR 7103	1130685.694	-4831348.707	3994116.340	NOAM
40451M104	WASHINGTON	SLR 7104	1131095.871	-4831196.949	3994170.729	NOAM
40451M105	WASHINGTON	SLR 7105	1130719.761	-4831350.574	3994106.501	NOAM
40451M106	WASHINGTON	SLR 7100	1131355.574	-4831168.346	3994131.665	NOAM
40451M108	WASHINGTON	SLR 7065	1130692.149	-4831351.404	3994111.770	NOAM
40451M111	WASHINGTON	SLR 7899	1131364.797	-4831168.797	3994128.913	NOAM
40451M112	WASHINGTON	SLR 7063	1130714.813	-4831367.737	3994087.376	NOAM
40451M114	WASHINGTON	SLR 7125	1130745.856	-4831368.043	3994077.088	NOAM
40451M116	WASHINGTON	SLR 7130	1130735.400	-4831324.597	3994132.329	NOAM
40451M117	WASHINGTON	SLR 7920	1130741.920	-4831369.773	3994076.132	NOAM
40451M120	WASHINGTON	SLR 7918	1130705.363	-4831345.435	3994115.995	NOAM
40451S145	WASHINGTON	SLR 7919	1130705.762	-4831347.469	3994117.516	NOAM
40452M001	BLOOMINGTO	VLBI 7291	302384.509	-4941699.041	4007908.474	NOAM
40453M001	CARROLLTON	VLBI 7228	453520.688	-5300506.769	3507207.427	NOAM
40454M001	LEONARD	VLBI 7292	-522231.521	-5145676.893	3720152.355	NOAM
40455M001	MILES CITY	VLBI 7038	-1204438.953	-4239211.102	4596266.060	NOAM
40456S001	PIETOWN	VLBI 7234	-1640953.599	-5014816.036	3575411.928	NOAM
40457M001	SEATTLE	VLBI 7229	-2295347.938	-3638029.479	4693408.699	NOAM
40489S001	HAT CREEK	VLBI 7218	-2523969.882	-4123506.367	4147752.583	NOAM
40490S001	MARYLAND P	VLBI 7217	1106629.433	-4882907.182	3938086.948	NOAM
40491M002	FLAGSTAFF	SLR 7891	-1923976.683	-4850871.740	3658574.903	NOAM

40491M003	FLAGSTAFF	VLBI	7261	-1923992.616	-4850854.527	3658589.272	NOAM
40492M001	VERNAL	SLR	7892	-1631484.692	-4589133.882	4106749.518	NOAM
40492M002	VERNAL	VLBI	7290	-1631473.242	-4589128.926	4106759.873	NOAM
40493M001	YUMA	VLBI	7894	-2196777.862	-4887337.073	3448425.230	NOAM
40496M001	PLATTEVILL	SLR	7112	-1240678.180	-4720463.399	4094480.611	NOAM
40496M002	PLATTEVILL	VLBI	7258	-1240708.074	-4720454.363	4094481.636	NOAM
40497M001	MONUMENT P	SLR	7110	-2386277.986	-4802354.295	3444881.501	PCFC
40497M002	MONUMENT P	SLR	7220	-2386292.256	-4802347.423	3444880.907	PCFC
40497M003	MONUMENT P	VLBI	7274	-2386289.383	-4802346.495	3444884.026	PCFC
40499M002	RICHMOND	SLR	7295	961319.020	-5674090.967	2740489.545	NOAM
40499S001	RICHMOND	VLBI	7219	961258.143	-5674090.036	2740533.757	NOAM
40504M001	MAZATLAN	SLR	7122	-1660089.304	-5619100.417	2511637.866	NOAM
40505M001	CABO SAN L	SLR	7882	-1997241.839	-5528041.201	2468355.319	PCFC
40506M001	ENSENADA	SLR	7883	-2406126.812	-4898368.338	3290336.610	PCFC
40701S001	SANTIAGO D	SLR	1953	1474548.412	-5811242.358	2168944.996	NOAM
41604S001	NATAL	SLR	7929	5186467.928	-3653856.059	-654321.832	SOAM
41703M001	EASTER ISL	SLR	7061	-1884983.626	-5357606.843	-2892852.639	NAZC
41703M002	EASTER ISL	SLR	7097	-1884984.207	-5357608.203	-2892853.385	NAZC
41705M001	SANTIAGO	SLR	7400	1769699.812	-5044612.935	-3468260.023	SOAM
41706M001	CERRO TOLO	SLR	7401	1815517.293	-5213464.837	-3187999.304	SOAM
41709S001	SEST	VLBI	7239	1838237.894	-5258699.235	-3100588.870	SOAM
42202M003	AREQUIPA	SLR	7403	1942808.063	-5804069.682	-1796915.564	SOAM
42202S001	AREQUIPA	SLR	7907	1942792.015	-5804077.660	-1796919.244	SOAM
42501M001	BERMUDA	SLR	7067	2308538.520	-4874079.951	3393628.525	NOAM
42501M002	BERMUDA	VLBI	7294	2307209.555	-4874215.830	3394317.886	NOAM
43602M002	GRAND TURK	SLR	7068	1920482.802	-5619478.292	2318914.380	NOAM
50103S001	CANBERRA	VLBI	1543	-4460894.488	2682361.566	-3674748.747	INDI
50103S003	CANBERRA	SLR	7943	-4447548.813	2677134.028	-3694996.554	INDI
50103S005	CANBERRA	VLBI	1542	-4460980.916	2682413.536	-3674582.236	INDI
50103S007	CANBERRA	SLR	7843	-4446476.801	2678127.003	-3696251.533	INDI
50103S010	CANBERRA	VLBI	1545	-4460935.145	2682765.718	-3674381.562	INDI
50107M001	YARRAGADEE	SLR	7090	-2389006.618	5043329.285	-3078525.215	INDI
50116S002	HOBART	VLBI	7242	-3950236.459	2522347.538	-4311562.878	INDI
50503M001	AMERICAN S	SLR	7096	-6100045.918	-996202.991	-1568976.212	PCFC
50505M001	KWAJALEIN	SLR	7092	-6143447.208	1364700.321	1034163.228	PCFC
50505S003	KWAJALEIN	VLBI	4968	-6143536.442	1363997.344	1034707.468	PCFC
92202M002	HUAHINE	SLR	7121	-5345865.347	-2958246.516	-1824623.706	PCFC
92202M004	HUAHINE	SLR	7123	-5345866.856	-2958247.332	-1824624.245	PCFC

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NETWORK NUMBER	SITE	CDP NUM.	X m	Y m	Z m	PLATE
40104S001	ALGONQUIN	7282	918034.999	-4346132.212	4561971.123	NOAM
40412M003	AUSTIN	7271	-737793.656	-5459892.271	3202990.516	NOAM
42501M002	BERMUDA	7294	2307209.643	-4874215.814	3394317.847	NOAM
40430M001	BLACK BUTTE	7269	-2306306.795	-4787914.499	3515736.505	NOAM
40452M001	BLOOMINGTON	7291	302384.613	-4941699.026	4007908.484	NOAM
10004M002	BREST	7604	4228877.278	-333104.383	4747180.827	EURA
13296M002	CARNUSTY	7603	3526416.573	-171421.282	5294098.712	EURA
40453M001	CARROLLTON	7228	453520.781	-5300506.757	3507207.435	NOAM
13201S002	CHILBOLTON	7215	4008310.231	-100650.924	4943794.601	EURA

40431M001	DEADMAN LAKE	7267	-2336819.388	-4732586.813	3570329.899	NOAM
40405S019	GOLDSTONE	7231	-2353538.623	-4641649.609	3676670.109	NOAM
50103S010	CANBERRA	1545	-4460934.922	2682765.758	-3674381.866	INDI
13407S010	MADRID	1565	4849336.698	-360489.017	4114748.465	EURA
14209S001	EFFELSBERG	7203	4033947.672	486990.337	4900430.632	EURA
40432M001	ELY	7286	-2077236.136	-4486712.735	4018753.817	NOAM
40491M003	FLAGSTAFF	7261	-1923992.502	-4850854.511	3658589.342	NOAM
40427M001	FORT ORD	7266	-2697026.552	-4354393.461	3788077.553	PCFC
40427M002	FORT ORD	7241	-2699839.755	-4359126.861	3781050.577	PCFC
40427M003	FORT ORDpq	7241	-2699839.691	-4359126.791	3781050.572	PCFC
40442M009	FORT DAVIS	7900	-1324227.794	-5332063.040	3232023.089	NOAM
40408S002	FAIRBANKS	7225	-2281546.985	-1453645.029	5756993.265	NOAM
40405S014	GOLDSTONE	1513	-2351128.966	-4655477.125	3660956.966	NOAM
40451M102	WASHINGTON	7102	1130686.745	-4831353.008	3994110.891	NOAM
10002M003	GRASSE	7605	4581697.866	556125.547	4389351.273	EURA
40445M002	MAUI	7120	-5465998.368	-2404408.841	2242228.309	PCFC
30302S001	JOHANNESBURG	7232	5085442.764	2668263.280	-2768697.302	AFRC
40489S001	HAT CREEK	7218	-2523969.758	-4123506.401	4147752.652	NOAM
40440S002	WESTFORD	7205	1492404.979	-4457266.487	4296881.709	NOAM
50116S002	HOBART	7242	-3950236.233	2522347.496	-4311563.109	INDI
14202M002	HOHENBUNSTORF	7600	3778215.088	698644.597	5074053.453	EURA
40442S003	FORT DAVIS	7216	-1324210.805	-5332023.161	3232118.441	NOAM
40400M003	PASADENA	7263	-2493305.762	-4655197.704	3565519.336	PCFC
21701S004	KASHIMA	1857	-3997649.133	3276690.792	3724278.991	NOAM
21701S001	KASHIMA	1856	-3997892.275	3276581.244	3724118.381	NOAM
40424S001	KAUAI	1311	-5543845.910	-2054564.467	2387813.699	PCFC
40419M001	KODIAK	7278	-3026939.990	-1575911.818	5370362.501	NOAM
50505S003	KWAJALEIN ATOL	4968	-6143536.582	1363996.896	1034707.318	PCFC
40454M001	LEONARD	7292	-522231.425	-5145676.880	3720152.386	NOAM
40437M001	MAMMOTH LAKES	7259	-2448246.598	-4426738.408	3875435.964	NOAM
21733S001	MINAMI TORI SI	7310	-5227447.001	2551378.916	2607604.657	PCFC
40490S001	MARYLAND POINT	7217	1106629.542	-4882907.184	3938086.954	NOAM
12734S005	MATERA	7243	4641939.078	1393002.816	4133325.375	EURA
40442M008	FORT DAVIS	7850	-1330008.001	-5328391.562	3236502.770	NOAM
12711S001	BOLOGNA	7230	4461370.231	919596.628	4449558.996	EURA
10503M002	METSAHOVI	7601	2890652.984	1310295.167	5513958.566	EURA
40455M001	MILES CITY	7038	-1204438.836	-4239211.086	4596266.104	NOAM
21718S001	MIYAZAKI	7312	-3582767.691	4052034.078	3369020.658	EURA
40405M013	GOLDSTONE	7288	-2356493.956	-4646607.685	3668426.685	NOAM
40405S009	GOLDSTONE	7222	-2356170.829	-4646755.940	3668470.662	NOAM
40497M003	MONUMENT PEAK	7274	-2386289.177	-4802346.722	3444883.974	PCFC
21725S001	NOBEYAMA	7244	-3871168.121	3428273.961	3723697.714	EURA
40421M001	NOME	7279	-2658150.253	-693821.879	5737236.661	NOAM
12717S001	NOTO	7547	4934563.507	1321201.111	3806484.318	EURA
40441S001	GREENBANK	7204	882880.121	-4924482.298	3944130.655	NOAM
40441S004	GREENBANK	7214	882325.777	-4925137.917	3943397.585	NOAM
40449M001	OCOTILLO	7270	-2335600.965	-4832244.249	3434392.595	PCFC
10402S002	ONSALA	7213	3370606.235	711917.344	5349830.575	EURA
40439M004	OWENS VALLEY	7853	-2410421.075	-4477800.420	3838690.390	NOAM
40439S002	OWENS VALLEY	7207	-2409600.580	-4478349.599	3838603.271	NOAM
40404M001	PEARBLOSSOM	7254	-2464070.744	-4649425.755	3593905.742	PCFC
40105M001	PENTICTON	7283	-2058840.213	-3621286.349	4814420.735	NOAM
40456S001	PIETOWN	7234	-1640953.494	-5014816.051	3575411.992	NOAM
40407M001	PINYON FLATS	7256	-2369635.754	-4761325.021	3511116.169	PCFC
40496M002	PLATTEVILLE	7258	-1240707.963	-4720454.359	4094481.704	NOAM

40406M001	PRESIDIO	7252	-2707704.689	-4257609.734	3888374.190	NOAM
40406M002	PRESIDIOpq	7252	-2707704.667	-4257609.709	3888374.156	NOAM
40410M001	POINT REYES	7251	-2732332.909	-4217635.039	3914491.018	PCFC
40403M001	PALOS VERDES	7268	-2525452.594	-4670035.835	3522886.765	PCFC
40433M004	QUINCY	7221	-2517230.712	-4198595.277	4076531.340	NOAM
40499S001	RICHMOND	7219	961258.217	-5674090.028	2740533.757	NOAM
13407S003	MADRID	1561	4849245.362	-360278.345	4114884.358	EURA
40428M001	SANTA PAOLA	7255	-2554476.438	-4608627.492	3582138.276	PCFC
40457M001	SEATTLE	7229	-2295347.857	-3638029.542	4693408.846	NOAM
21605S009	SHANGHAI	7227	-2831686.572	4675733.901	3275327.896	EURA
41709S001	SEST	7239	1838237.905	-5258699.186	-3100588.921	SOAM
21605S008	SHANGHAI	7226	-2847698.069	4659872.945	3283958.925	EURA
40423M001	SANDPOINT	7280	-3425461.740	-1214669.162	5223858.346	NOAM
40425M001	SOURDOUGH	7281	-2419993.291	-1664228.744	5643538.329	NOAM
40425M002	SOURDOUGHpq	7281	-2419993.278	-1664228.752	5643538.351	NOAM
21732S001	CHICHIJIMA	7844	-4489356.683	3482989.288	2887931.055	EURA
10302M002	TROMSO	7602	2102904.316	721602.405	5958201.224	EURA
21730S001	TSUKUBA	7311	-3957172.946	3310237.951	3737709.108	EURA
40492M002	VERNAL	7290	-1631473.126	-4589128.898	4106759.911	NOAM
40129M001	VICTORIA	7289	-2341309.927	-3539083.847	4745768.421	NOAM
40420M002	VANDENBERG AFB	7223	-2678094.528	-4525450.980	3597410.096	PCFC
40440S003	WESTFORD	7209	1492206.840	-4458130.483	4296015.480	NOAM
14201S004	WETTZELL	7224	4075540.121	931735.094	4801629.214	EURA
40118M001	WHITEHORSE	7284	-2215213.419	-2209261.620	5540292.602	NOAM
40416M001	YAKATAGA	7277	-2529744.028	-1942091.384	5505027.836	NOAM
40416M002	YAKATAGApq	7277	-2529744.049	-1942091.333	5505027.690	NOAM
40127M001	YELLOWKNIFE	7285	-1224124.326	-2689530.576	5633555.262	NOAM
40493M001	YUMA	7894	-2196777.757	-4887337.054	3448425.286	NOAM

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NETWORK NUMBER	SITE	CDP NUM.	X m	Y m	Z m	PLATE
40104S001	ALGONQUIN	7282	918034.961	-4346132.219	4561971.125	NOAM
40412M003	AUSTIN	7271	-737793.684	-5459892.275	3202990.504	NOAM
42501M002	BERMUDA	7294	2307209.613	-4874215.819	3394317.860	NOAM
40430M001	BLACK BUTTE	7269	-2306306.830	-4787914.467	3515736.469	NOAM
40452M001	BLOOMINGTON	7291	302384.579	-4941699.031	4007908.481	NOAM
10004M002	BREST	7604	4228877.254	-333104.348	4747180.851	EURA
13296M002	CARNUSTY	7603	3526416.544	-171421.253	5294098.732	EURA
40453M001	CARROLLTON	7228	453520.750	-5300506.761	3507207.432	NOAM
13201S002	CHILBOLTON	7215	4008310.204	-100650.891	4943794.624	EURA
40431M001	DEADMAN LAKE	7267	-2336819.483	-4732586.900	3570329.954	NOAM
40405S019	GOLDSTONE	7231	-2353538.647	-4641649.572	3676670.069	NOAM
50103S010	CANBERRA	1545	-4460934.993	2682765.751	-3674381.763	INDI
13407S010	MADRID	1565	4849336.734	-360488.979	4114748.554	EURA
14209S001	EFFELSBERG	7203	4033947.653	486990.360	4900430.663	EURA
40432M001	ELY	7286	-2077236.178	-4486712.726	4018753.790	NOAM
40491M003	FLAGSTAFF	7261	-1923992.543	-4850854.520	3658589.329	NOAM
40427M001	FORT ORD	7266	-2697026.617	-4354393.393	3788077.587	PCFC
40427M002	FORT ORD	7241	-2699839.932	-4359126.939	3781050.739	PCFC

40427M003	FORT ORDpq	7241	-2699839.869	-4359126.869	3781050.733	PCFC
40442M009	FORT DAVIS	7900	-1324227.822	-5332063.043	3232023.072	NOAM
40408S002	FAIRBANKS	7225	-2281547.033	-1453645.029	5756993.244	NOAM
40405S014	GOLDSTONE	1513	-2351129.005	-4655477.107	3660956.946	NOAM
40451M102	WASHINGTON	7102	1130686.711	-4831353.013	3994110.894	NOAM
10002M003	GRASSE	7605	4581697.838	556125.583	4389351.298	EURA
40445M002	MAUI	7120	-5465998.398	-2404408.706	2242228.379	PCFC
30302S001	JOHANNESBURG	7232	5085442.778	2668263.311	-2768697.272	AFRC
40489S001	HAT CREEK	7218	-2523969.802	-4123506.381	4147752.630	NOAM
40440S002	WESTFORD	7205	1492404.944	-4457266.493	4296881.715	NOAM
50116S002	HOBART	7242	-3950236.308	2522347.509	-4311563.031	INDI
14202M002	HOHENBUNSTORF	7600	3778215.055	698644.628	5074053.473	EURA
40442S003	FORT DAVIS	7216	-1324210.833	-5332023.149	3232118.417	NOAM
40400M003	PASADENA	7263	-2493305.832	-4655197.656	3565519.343	PCFC
21701S004	KASHIMA	1857	-3997649.161	3276690.790	3724278.963	NOAM
21701S001	KASHIMA	1856	-3997892.265	3276581.259	3724118.354	NOAM
40424S001	KAUAI	1311	-5543845.936	-2054564.328	2387813.758	PCFC
40419M001	KODIAK	7278	-3026940.040	-1575911.802	5370362.503	NOAM
50505S003	KWAJALEIN ATOL	4968	-6143536.532	1363997.049	1034707.365	PCFC
40454M001	LEONARD	7292	-522231.457	-5145676.884	3720152.376	NOAM
40437M001	MAMMOTH LAKES	7259	-2448246.631	-4426738.350	3875435.922	NOAM
21733S001	MINAMI TORI SI	7310	-5227446.914	2551379.047	2607604.703	PCFC
40490S001	MARYLAND POINT	7217	1106629.505	-4882907.182	3938086.952	NOAM
12734S005	MATERA	7243	4641939.045	1393002.852	4133325.399	EURA
40442M008	FORT DAVIS	7850	-1330008.030	-5328391.565	3236502.753	NOAM
12711S001	BOLOGNA	7230	4461370.204	919596.656	4449559.031	EURA
10503M002	METSAHOVI	7601	2890652.944	1310295.193	5513958.580	EURA
40455M001	MILES CITY	7038	-1204438.875	-4239211.091	4596266.090	NOAM
21718S001	MIYAZAKI	7312	-3582767.737	4052034.057	3369020.633	EURA
40405M013	GOLDSTONE	7288	-2356493.987	-4646607.688	3668426.661	NOAM
40405S009	GOLDSTONE	7222	-2356170.864	-4646755.918	3668470.642	NOAM
40497M003	MONUMENT PEAK	7274	-2386289.247	-4802346.652	3444883.980	PCFC
21725S001	NOBEYAMA	7244	-3871168.149	3428273.958	3723697.687	EURA
40421M001	NOME	7279	-2658150.305	-693821.887	5737236.648	NOAM
12717S001	NOTO	7547	4934563.431	1321201.127	3806484.326	EURA
40441S001	GREENBANK	7204	882880.084	-4924482.296	3944130.652	NOAM
40441S004	GREENBANK	7214	882325.751	-4925137.937	3943397.604	NOAM
40449M001	OCOTILLO	7270	-2335600.994	-4832244.252	3434392.571	PCFC
10402S002	ONSALA	7213	3370606.211	711917.365	5349830.598	EURA
40439M004	OWENS VALLEY	7853	-2410421.108	-4477800.423	3838690.366	NOAM
40439S002	OWENS VALLEY	7207	-2409600.619	-4478349.575	3838603.249	NOAM
40404M001	PEARBLOSSOM	7254	-2464070.788	-4649425.698	3593905.728	PCFC
40105M001	PENTICTON	7283	-2058840.267	-3621286.374	4814420.753	NOAM
40456S001	PIETOWN	7234	-1640953.527	-5014816.035	3575411.963	NOAM
40407M001	PINYON FLATS	7256	-2369635.806	-4761324.974	3511116.162	PCFC
40496M002	PLATTEVILLE	7258	-1240708.001	-4720454.357	4094481.683	NOAM
40406M001	PRESIDIO	7252	-2707704.737	-4257609.674	3888374.194	NOAM
40406M002	PRESIDIOpq	7252	-2707704.715	-4257609.649	3888374.160	NOAM
40410M001	POINT REYES	7251	-2732332.961	-4217634.972	3914491.041	PCFC
40403M001	PALOS VERDES	7268	-2525452.651	-4670035.760	3522886.770	PCFC
40433M004	QUINCY	7221	-2517230.758	-4198595.253	4076531.317	NOAM
40499S001	RICHMOND	7219	961258.192	-5674090.032	2740533.759	NOAM
13407S003	MADRID	1561	4849245.342	-360278.307	4114884.385	EURA
40428M001	SANTA PAOLA	7255	-2554476.510	-4608627.443	3582138.295	PCFC
40457M001	SEATTLE	7229	-2295347.878	-3638029.508	4693408.784	NOAM

21605S009	SHANGHAI	7227	-2831686.605	4675733.866	3275327.852	EURA
41709S001	SEST	7239	1838237.901	-5258699.198	-3100588.904	SOAM
21605S008	SHANGHAI	7226	-2847698.119	4659872.929	3283958.904	EURA
40423M001	SANDPOINT	7280	-3425461.784	-1214669.145	5223858.313	NOAM
40425M001	SOURDOUGH	7281	-2419993.347	-1664228.740	5643538.301	NOAM
40425M002	SOURDOUGHpq	7281	-2419993.334	-1664228.748	5643538.323	NOAM
21732S001	CHICHIJIMA	7844	-4489356.689	3482989.394	2887931.117	EURA
10302M002	TROMSO	7602	2102904.278	721602.426	5958201.235	EURA
21730S001	TSUKUBA	7311	-3957172.915	3310237.941	3737709.055	EURA
40492M002	VERNAL	7290	-1631473.167	-4589128.910	4106759.901	NOAM
40129M001	VICTORIA	7289	-2341309.966	-3539083.852	4745768.398	NOAM
40420M002	VANDENBERG AFB	7223	-2678094.592	-4525450.909	3597410.125	PCFC
40440S003	WESTFORD	7209	1492206.803	-4458130.489	4296015.487	NOAM
14201S004	WETTZELL	7224	4075540.092	931735.118	4801629.233	EURA
40118M001	WHITEHORSE	7284	-2215213.470	-2209261.605	5540292.563	NOAM
40416M001	YAKATAGA	7277	-2529744.084	-1942091.345	5505027.912	NOAM
40416M002	YAKATAGApq	7277	-2529744.106	-1942091.294	5505027.766	NOAM
40127M001	YELLOWKNIFE	7285	-1224124.377	-2689530.624	5633555.342	NOAM
40493M001	YUMA	7894	-2196777.796	-4887337.060	3448425.269	NOAM

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NETWORK NUMBER	SITE	CDP NUM.	X m	Y m	Z m	PLATE
40104S001	ALGONQUIN	7282	918034.924	-4346132.226	4561971.127	NOAM
40412M003	AUSTIN	7271	-737793.712	-5459892.278	3202990.492	NOAM
42501M002	BERMUDA	7294	2307209.584	-4874215.824	3394317.873	NOAM
40430M001	BLACK BUTTE	7269	-2306306.864	-4787914.435	3515736.433	NOAM
40452M001	BLOOMINGTON	7291	302384.544	-4941699.035	4007908.478	NOAM
10004M002	BREST	7604	4228877.230	-333104.315	4747180.874	EURA
13296M002	CARNUSTY	7603	3526416.516	-171421.223	5294098.752	EURA
40453M001	CARROLLTON	7228	453520.720	-5300506.765	3507207.430	NOAM
13201S002	CHILBOLTON	7215	4008310.178	-100650.859	4943794.646	EURA
40431M001	DEADMAN LAKE	7267	-2336819.577	-4732586.988	3570330.010	NOAM
40405S019	GOLDSTONE	7231	-2353538.672	-4641649.535	3676670.029	NOAM
50103S010	CANBERRA	1545	-4460935.064	2682765.745	-3674381.660	INDI
13407S010	MADRID	1565	4849336.770	-360488.941	4114748.642	EURA
14209S001	EFFELSBERG	7203	4033947.633	486990.383	4900430.695	EURA
40432M001	ELY	7286	-2077236.219	-4486712.718	4018753.763	NOAM
40491M003	FLAGSTAFF	7261	-1923992.585	-4850854.529	3658589.317	NOAM
40427M001	FORT ORD	7266	-2697026.681	-4354393.325	3788077.621	PCFC
40427M002	FORT ORD	7241	-2699840.109	-4359127.017	3781050.900	PCFC
40427M003	FORT ORDpq	7241	-2699840.046	-4359126.946	3781050.895	PCFC
40442M009	FORT DAVIS	7900	-1324227.851	-5332063.046	3232023.055	NOAM
40408S002	FAIRBANKS	7225	-2281547.081	-1453645.030	5756993.224	NOAM
40405S014	GOLDSTONE	1513	-2351129.043	-4655477.089	3660956.926	NOAM
40451M102	WASHINGTON	7102	1130686.677	-4831353.019	3994110.898	NOAM
10002M003	GRASSE	7605	4581697.810	556125.619	4389351.323	EURA
40445M002	MAUI	7120	-5465998.429	-2404408.571	2242228.449	PCFC
30302S001	JOHANNESBURG	7232	5085442.792	2668263.342	-2768697.241	AFRC
40489S001	HAT CREEK	7218	-2523969.846	-4123506.361	4147752.608	NOAM

40440S002	WESTFORD	7205	1492404.908	-4457266.498	4296881.722	NOAM
50116S002	HOBART	7242	-3950236.384	2522347.523	-4311562.954	INDI
14202M002	HOHENBUNSTORF	7600	3778215.022	698644.659	5074053.494	EURA
40442S003	FORT DAVIS	7216	-1324210.862	-5332023.138	3232118.393	NOAM
40400M003	PASADENA	7263	-2493305.903	-4655197.609	3565519.350	PCFC
21701S004	KASHIMA	1857	-3997649.189	3276690.788	3724278.935	NOAM
21701S001	KASHIMA	1856	-3997892.254	3276581.273	3724118.328	NOAM
40424S001	KAUAI	1311	-5543845.962	-2054564.188	2387813.817	PCFC
40419M001	KODIAK	7278	-3026940.091	-1575911.787	5370362.504	NOAM
50505S003	KWAJALEIN ATOL	4968	-6143536.483	1363997.202	1034707.413	PCFC
40454M001	LEONARD	7292	-522231.489	-5145676.888	3720152.366	NOAM
40437M001	MAMMOTH LAKES	7259	-2448246.664	-4426738.291	3875435.880	NOAM
21733S001	MINAMI TORI SI	7310	-5227446.827	2551379.178	2607604.749	PCFC
40490S001	MARYLAND POINT	7217	1106629.468	-4882907.180	3938086.950	NOAM
12734S005	MATERA	7243	4641939.013	1393002.888	4133325.423	EURA
40442M008	FORT DAVIS	7850	-1330008.058	-5328391.568	3236502.737	NOAM
12711S001	BOLOGNA	7230	4461370.178	919596.685	4449559.067	EURA
10503M002	METSAHOVI	7601	2890652.905	1310295.218	5513958.595	EURA
40455M001	MILES CITY	7038	-1204438.913	-4239211.096	4596266.075	NOAM
21718S001	MIYAZAKI	7312	-3582767.784	4052034.036	3369020.609	EURA
40405M013	GOLDSTONE	7288	-2356494.019	-4646607.692	3668426.637	NOAM
40405S009	GOLDSTONE	7222	-2356170.898	-4646755.896	3668470.622	NOAM
40497M003	MONUMENT PEAK	7274	-2386289.317	-4802346.581	3444883.985	PCFC
21725S001	NOBEYAMA	7244	-3871168.177	3428273.956	3723697.660	EURA
40421M001	NOME	7279	-2658150.357	-693821.894	5737236.635	NOAM
12717S001	NOTO	7547	4934563.354	1321201.142	3806484.335	EURA
40441S001	GREENBANK	7204	882880.047	-4924482.294	3944130.650	NOAM
40441S004	GREENBANK	7214	882325.724	-4925137.957	3943397.624	NOAM
40449M001	OCOTILLO	7270	-2335601.024	-4832244.255	3434392.547	PCFC
10402S002	ONSALA	7213	3370606.188	711917.386	5349830.621	EURA
40439M004	OWENS VALLEY	7853	-2410421.141	-4477800.426	3838690.341	NOAM
40439S002	OWENS VALLEY	7207	-2409600.658	-4478349.551	3838603.227	NOAM
40404M001	PEARBLOSSOM	7254	-2464070.832	-4649425.641	3593905.714	PCFC
40105M001	PENTICTON	7283	-2058840.322	-3621286.400	4814420.770	NOAM
40456S001	PIETOWN	7234	-1640953.559	-5014816.019	3575411.935	NOAM
40407M001	PINYON FLATS	7256	-2369635.857	-4761324.926	3511116.155	PCFC
40496M002	PLATTEVILLE	7258	-1240708.040	-4720454.354	4094481.662	NOAM
40406M001	PRESIDIO	7252	-2707704.784	-4257609.614	3888374.198	NOAM
40406M002	PRESIDIOpq	7252	-2707704.762	-4257609.589	3888374.163	NOAM
40410M001	POINT REYES	7251	-2732333.013	-4217634.905	3914491.064	PCFC
40403M001	PALOS VERDES	7268	-2525452.708	-4670035.686	3522886.776	PCFC
40433M004	QUINCY	7221	-2517230.804	-4198595.230	4076531.294	NOAM
40499S001	RICHMOND	7219	961258.168	-5674090.035	2740533.760	NOAM
13407S003	MADRID	1561	4849245.321	-360278.269	4114884.413	EURA
40428M001	SANTA PAOLA	7255	-2554476.583	-4608627.395	3582138.313	PCFC
40457M001	SEATTLE	7229	-2295347.899	-3638029.474	4693408.722	NOAM
21605S009	SHANGHAI	7227	-2831686.639	4675733.830	3275327.808	EURA
41709S001	SEST	7239	1838237.897	-5258699.210	-3100588.887	SOAM
21605S008	SHANGHAI	7226	-2847698.169	4659872.913	3283958.884	EURA
40423M001	SANDPOINT	7280	-3425461.827	-1214669.127	5223858.279	NOAM
40425M001	SOURDOUGH	7281	-2419993.402	-1664228.736	5643538.272	NOAM
40425M002	SOURDOUGHpq	7281	-2419993.390	-1664228.744	5643538.294	NOAM
21732S001	CHICHIJIMA	7844	-4489356.696	3482989.499	2887931.178	EURA
10302M002	TROMSO	7602	2102904.241	721602.447	5958201.246	EURA
21730S001	TSUKUBA	7311	-3957172.884	3310237.930	3737709.001	EURA

40492M002	VERNAL	7290	-1631473.207	-4589128.921	4106759.892	NOAM
40129M001	VICTORIA	7289	-2341310.006	-3539083.856	4745768.376	NOAM
40420M002	VANDENBERG AFB	7223	-2678094.656	-4525450.838	3597410.153	PCFC
40440S003	WESTFORD	7209	1492206.767	-4458130.495	4296015.494	NOAM
14201S004	WETTZELL	7224	4075540.063	931735.143	4801629.252	EURA
40118M001	WHITEHORSE	7284	-2215213.521	-2209261.591	5540292.523	NOAM
40416M001	YAKATAGA	7277	-2529744.140	-1942091.306	5505027.989	NOAM
40416M002	YAKATAGApq	7277	-2529744.162	-1942091.254	5505027.843	NOAM
40127M001	YELLOWKNIFE	7285	-1224124.427	-2689530.673	5633555.422	NOAM
40493M001	YUMA	7894	-2196777.835	-4887337.066	3448425.252	NOAM

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NETWORK NUMBER	SITE	CDP NUM.	X m	Y m	Z m	PLATE
40104S001	ALGONQUIN	7282	918034.886	-4346132.233	4561971.129	NOAM
40412M003	AUSTIN	7271	-737793.740	-5459892.281	3202990.479	NOAM
42501M002	BERMUDA	7294	2307209.554	-4874215.829	3394317.885	NOAM
40430M001	BLACK BUTTE	7269	-2306306.898	-4787914.403	3515736.397	NOAM
40452M001	BLOOMINGTON	7291	302384.510	-4941699.040	4007908.474	NOAM
10004M002	BREST	7604	4228877.206	-333104.280	4747180.898	EURA
13296M002	CARNUSTY	7603	3526416.488	-171421.193	5294098.771	EURA
40453M001	CARROLLTON	7228	453520.689	-5300506.769	3507207.428	NOAM
13201S002	CHILBOLTON	7215	4008310.151	-100650.826	4943794.668	EURA
40431M001	DEADMAN LAKE	7267	-2336819.671	-4732587.076	3570330.065	NOAM
40405S019	GOLDSTONE	7231	-2353538.696	-4641649.499	3676669.990	NOAM
50103S010	CANBERRA	1545	-4460935.135	2682765.739	-3674381.557	INDI
13407S010	MADRID	1565	4849336.806	-360488.903	4114748.730	EURA
14209S001	EFFELSBERG	7203	4033947.614	486990.407	4900430.726	EURA
40432M001	ELY	7286	-2077236.261	-4486712.710	4018753.736	NOAM
40491M003	FLAGSTAFF	7261	-1923992.626	-4850854.539	3658589.304	NOAM
40427M001	FORT ORD	7266	-2697026.746	-4354393.257	3788077.654	PCFC
40427M002	FORT ORD	7241	-2699840.286	-4359127.094	3781051.062	PCFC
40427M003	FORT ORDpq	7241	-2699840.223	-4359127.024	3781051.056	PCFC
40442M009	FORT DAVIS	7900	-1324227.879	-5332063.049	3232023.039	NOAM
40408S002	FAIRBANKS	7225	-2281547.130	-1453645.030	5756993.203	NOAM
40405S014	GOLDSTONE	1513	-2351129.082	-4655477.070	3660956.905	NOAM
40451M102	WASHINGTON	7102	1130686.643	-4831353.024	3994110.901	NOAM
10002M003	GRASSE	7605	4581697.782	556125.655	4389351.347	EURA
40445M002	MAUI	7120	-5465998.459	-2404408.436	2242228.519	PCFC
30302S001	JOHANNESBURG	7232	5085442.805	2668263.372	-2768697.210	AFRC
40489S001	HAT CREEK	7218	-2523969.890	-4123506.341	4147752.586	NOAM
40440S002	WESTFORD	7205	1492404.872	-4457266.503	4296881.728	NOAM
50116S002	HOBART	7242	-3950236.460	2522347.536	-4311562.877	INDI
14202M002	HOHENBUNSTORF	7600	3778214.989	698644.691	5074053.514	EURA
40442S003	FORT DAVIS	7216	-1324210.891	-5332023.126	3232118.370	NOAM
40400M003	PASADENA	7263	-2493305.973	-4655197.561	3565519.356	PCFC
21701S004	KASHIMA	1857	-3997649.217	3276690.785	3724278.907	NOAM
21701S001	KASHIMA	1856	-3997892.244	3276581.288	3724118.302	NOAM
40424S001	KAUAI	1311	-5543845.988	-2054564.048	2387813.877	PCFC
40419M001	KODIAK	7278	-3026940.141	-1575911.771	5370362.506	NOAM

50505S003	KWAJALEIN ATOL	4968	-6143536.433	1363997.355	1034707.460	PCFC
40454M001	LEONARD	7292	-522231.522	-5145676.892	3720152.355	NOAM
40437M001	MAMMOTH LAKES	7259	-2448246.697	-4426738.233	3875435.839	NOAM
21733S001	MINAMI TORI SI	7310	-5227446.740	2551379.309	2607604.795	PCFC
40490S001	MARYLAND POINT	7217	1106629.431	-4882907.177	3938086.947	NOAM
12734S005	MATERA	7243	4641938.980	1393002.924	4133325.448	EURA
40442M008	FORT DAVIS	7850	-1330008.087	-5328391.571	3236502.720	NOAM
12711S001	BOLOGNA	7230	4461370.151	919596.714	4449559.102	EURA
10503M002	METSAHOVI	7601	2890652.865	1310295.244	5513958.609	EURA
40455M001	MILES CITY	7038	-1204438.952	-4239211.100	4596266.061	NOAM
21718S001	MIYAZAKI	7312	-3582767.830	4052034.015	3369020.585	EURA
40405M013	GOLDSTONE	7288	-2356494.050	-4646607.695	3668426.613	NOAM
40405S009	GOLDSTONE	7222	-2356170.933	-4646755.874	3668470.602	NOAM
40497M003	MONUMENT PEAK	7274	-2386289.387	-4802346.511	3444883.991	PCFC
21725S001	NOBEYAMA	7244	-3871168.205	3428273.954	3723697.633	EURA
40421M001	NOME	7279	-2658150.410	-693821.902	5737236.623	NOAM
12717S001	NOTO	7547	4934563.278	1321201.158	3806484.343	EURA
40441S001	GREENBANK	7204	882880.011	-4924482.293	3944130.647	NOAM
40441S004	GREENBANK	7214	882325.698	-4925137.977	3943397.643	NOAM
40449M001	OCOTILLO	7270	-2335601.054	-4832244.258	3434392.522	PCFC
10402S002	ONSALA	7213	3370606.165	711917.408	5349830.643	EURA
40439M004	OWENS VALLEY	7853	-2410421.174	-4477800.429	3838690.317	NOAM
40439S002	OWENS VALLEY	7207	-2409600.697	-4478349.526	3838603.206	NOAM
40404M001	PEARBLOSSOM	7254	-2464070.877	-4649425.584	3593905.700	PCFC
40105M001	PENTICTON	7283	-2058840.376	-3621286.426	4814420.788	NOAM
40456S001	PIETOWN	7234	-1640953.592	-5014816.002	3575411.906	NOAM
40407M001	PINYON FLATS	7256	-2369635.908	-4761324.879	3511116.149	PCFC
40496M002	PLATTEVILLE	7258	-1240708.078	-4720454.351	4094481.641	NOAM
40406M001	PRESIDIO	7252	-2707704.832	-4257609.554	3888374.201	NOAM
40406M002	PRESIDIOpq	7252	-2707704.810	-4257609.529	3888374.167	NOAM
40410M001	POINT REYES	7251	-2732333.065	-4217634.837	3914491.087	PCFC
40403M001	PALOS VERDES	7268	-2525452.766	-4670035.612	3522886.781	PCFC
40433M004	QUINCY	7221	-2517230.849	-4198595.206	4076531.272	NOAM
40499S001	RICHMOND	7219	961258.143	-5674090.039	2740533.761	NOAM
13407S003	MADRID	1561	4849245.301	-360278.232	4114884.440	EURA
40428M001	SANTA PAOLA	7255	-2554476.655	-4608627.346	3582138.332	PCFC
40457M001	SEATTLE	7229	-2295347.920	-3638029.439	4693408.660	NOAM
21605S009	SHANGHAI	7227	-2831686.672	4675733.795	3275327.763	EURA
41709S001	SEST	7239	1838237.892	-5258699.221	-3100588.870	SOAM
21605S008	SHANGHAI	7226	-2847698.219	4659872.897	3283958.863	EURA
40423M001	SANDPOINT	7280	-3425461.870	-1214669.109	5223858.246	NOAM
40425M001	SOURDOUGH	7281	-2419993.458	-1664228.732	5643538.244	NOAM
40425M002	SOURDOUGHpq	7281	-2419993.446	-1664228.740	5643538.266	NOAM
21732S001	CHICHIJIMA	7844	-4489356.702	3482989.605	2887931.239	EURA
10302M002	TROMSO	7602	2102904.203	721602.468	5958201.257	EURA
21730S001	TSUKUBA	7311	-3957172.854	3310237.920	3737708.948	EURA
40492M002	VERNAL	7290	-1631473.248	-4589128.932	4106759.882	NOAM
40129M001	VICTORIA	7289	-2341310.046	-3539083.860	4745768.353	NOAM
40420M002	VANDENBERG AFB	7223	-2678094.720	-4525450.767	3597410.181	PCFC
40440S003	WESTFORD	7209	1492206.730	-4458130.500	4296015.500	NOAM
14201S004	WETTZELL	7224	4075540.034	931735.168	4801629.271	EURA
40118M001	WHITEHORSE	7284	-2215213.572	-2209261.577	5540292.484	NOAM
40416M001	YAKATAGA	7277	-2529744.196	-1942091.266	5505028.066	NOAM
40416M002	YAKATAGApq	7277	-2529744.218	-1942091.215	5505027.920	NOAM
40127M001	YELLOWKNIFE	7285	-1224124.478	-2689530.721	5633555.502	NOAM

40493M001 YUMA 7894 -2196777.874 -4887337.072 3448425.234 NOAM

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NETWORK NUMBER	SITE	CDP NUM.	X m	Y m	Z m	PLATE
14209S001	EFFELSBERG	7203	4033947.689	486990.303	4900430.673	EURA
10402S002	ONSALA	7213	3370606.254	711917.320	5349830.612	EURA
13201S002	CHILBOLTON	7215	4008310.270	-100650.963	4943794.666	EURA
13407S010	MADRID	1565	4849336.838	-360489.023	4114748.623	EURA
12711S001	BOLOGNA	7230	4461370.224	919596.606	4449559.001	EURA
12717S001	NOTO	7547	4934563.449	1321201.090	3806484.291	EURA
14201S004	WETTZELL	7224	4075540.136	931735.071	4801629.250	EURA
21605S009	SHANGHAI	7227	-2831686.567	4675733.933	3275327.997	EURA
21701S001	KASHIMA	1856	-3997892.264	3276581.217	3724118.466	NOAM
21701S004	KASHIMA	1857	-3997648.777	3276690.647	3724278.864	NOAM
21725S001	NOBEYAMA	7244	-3871168.557	3428274.495	3723698.195	EURA
30302S001	JOHANNESBURG	7232	5085442.773	2668263.323	-2768697.233	AFRC
40104S001	ALGONQUIN	7282	918035.002	-4346132.215	4561971.127	NOAM
40440S002	WESTFORD	7205	1492404.984	-4457266.495	4296881.714	NOAM
40441S001	GREENBANK	7204	882880.119	-4924482.289	3944130.647	NOAM
40439S002	OWENS VALLEY	7207	-2409600.573	-4478349.579	3838603.273	NOAM
40442S003	FORT DAVIS	7216	-1324210.797	-5332023.127	3232118.428	NOAM
40489S001	HAT CREEK	7218	-2523969.762	-4123506.413	4147752.683	NOAM
40440S003	WESTFORD	7209	1492206.839	-4458130.481	4296015.474	NOAM
40499S001	RICHMOND	7219	961258.214	-5674090.022	2740533.751	NOAM
40490S001	MARYLAND POINT	7217	1106629.544	-4882907.096	3938086.895	NOAM
40405S009	GOLDSTONE	7222	-2356170.823	-4646755.923	3668470.663	NOAM
40420M002	VANDENBERG AFB	7223	-2678094.523	-4525450.962	3597410.101	PCFC
40408S002	FAIRBANKS	7225	-2281546.962	-1453645.037	5756993.297	NOAM
40424S001	KAUAI	1311	-5543845.886	-2054564.429	2387813.731	PCFC
40496M002	PLATTEVILLE	7258	-1240707.936	-4720454.302	4094481.682	NOAM
40456S001	PIETOWN	7234	-1640953.544	-5014816.115	3575412.076	NOAM
50103S010	CANBERRA	1545	-4460934.866	2682765.800	-3674381.748	INDI
50116S002	HOBART	7242	-3950236.231	2522347.636	-4311563.042	INDI
50505S003	KWAJALEIN ATOL	4968	-6143536.564	1363996.945	1034707.378	PCFC
41709S001	SEST	7239	1838237.467	-5258699.216	-3100587.098	SOAM

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POSITIONS 1986.0

NETWORK NUMBER	SITE	CDP NUM.	X m	Y m	Z m	PLATE
14209S001	EFFELSBERG	7203	4033947.658	486990.336	4900430.695	EURA
10402S002	ONSALA	7213	3370606.221	711917.352	5349830.618	EURA
13201S002	CHILBOLTON	7215	4008310.244	-100650.930	4943794.688	EURA
13407S010	MADRID	1565	4849336.813	-360488.980	4114748.644	EURA
12711S001	BOLOGNA	7230	4461370.199	919596.645	4449559.033	EURA

12717S001	NOTO	7547	4934563.388	1321201.116	3806484.305	EURA
14201S004	WETTZELL	7224	4075540.099	931735.107	4801629.253	EURA
21605S009	SHANGHAI	7227	-2831686.606	4675733.882	3275327.905	EURA
21701S001	KASHIMA	1856	-3997892.257	3276581.243	3724118.397	NOAM
21701S004	KASHIMA	1857	-3997648.918	3276690.694	3724278.861	NOAM
21725S001	NOBEYAMA	7244	-3871168.455	3428274.323	3723698.000	EURA
30302S001	JOHANNESBURG	7232	5085442.783	2668263.339	-2768697.235	AFRC
40104S001	ALGONQUIN	7282	918034.962	-4346132.220	4561971.126	NOAM
40440S002	WESTFORD	7205	1492404.948	-4457266.500	4296881.720	NOAM
40441S001	GREENBANK	7204	882880.080	-4924482.282	3944130.636	NOAM
40439S002	OWENS VALLEY	7207	-2409600.619	-4478349.571	3838603.252	NOAM
40442S003	FORT DAVIS	7216	-1324210.828	-5332023.130	3232118.407	NOAM
40489S001	HAT CREEK	7218	-2523969.804	-4123506.390	4147752.645	NOAM
40440S003	WESTFORD	7209	1492206.803	-4458130.487	4296015.481	NOAM
40499S001	RICHMOND	7219	961258.191	-5674090.028	2740533.753	NOAM
40490S001	MARYLAND POINT	7217	1106629.504	-4882906.960	3938086.820	NOAM
40405S009	GOLDSTONE	7222	-2356170.860	-4646755.909	3668470.641	NOAM
40420M002	VANDENBERG AFB	7223	-2678094.590	-4525450.898	3597410.123	PCFC
40408S002	FAIRBANKS	7225	-2281547.022	-1453645.036	5756993.260	NOAM
40424S001	KAUAI	1311	-5543845.924	-2054564.310	2387813.772	PCFC
40496M002	PLATTEVILLE	7258	-1240707.987	-4720454.322	4094481.667	NOAM
40456S001	PIETOWN	7234	-1640953.562	-5014816.085	3575412.021	NOAM
50103S010	CANBERRA	1545	-4460934.949	2682765.765	-3674381.699	INDI
50116S002	HOBART	7242	-3950236.303	2522347.590	-4311563.005	INDI
50505S003	KWAJALEIN ATOL	4968	-6143536.519	1363997.071	1034707.392	PCFC
41709S001	SEST	7239	1838237.605	-5258699.228	-3100587.662	SOAM

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POSITIONS 1988.0

NETWORK NUMBER	SITE	CDP NUM.	X m	Y m	Z m	PLATE
40424S001	KAUAI	1311	-5543845.961	-2054564.190	2387813.813	PCFC
40408S002	FAIRBANKS	7225	-2281547.081	-1453645.035	5756993.222	NOAM
40489S001	HAT CREEK	7218	-2523969.847	-4123506.366	4147752.608	NOAM
40420M002	VANDENBERG AFB	7223	-2678094.656	-4525450.834	3597410.145	PCFC
40439S002	OWENS VALLEY	7207	-2409600.666	-4478349.563	3838603.231	NOAM
40405S009	GOLDSTONE	7222	-2356170.897	-4646755.896	3668470.618	NOAM
40456S001	PIETOWN	7234	-1640953.580	-5014816.055	3575411.967	NOAM
40496M002	PLATTEVILLE	7258	-1240708.037	-4720454.342	4094481.652	NOAM
40442S003	FORT DAVIS	7216	-1324210.858	-5332023.133	3232118.386	NOAM
40499S001	RICHMOND	7219	961258.168	-5674090.034	2740533.755	NOAM
40441S001	GREENBANK	7204	882880.040	-4924482.275	3944130.625	NOAM
40104S001	ALGONQUIN	7282	918034.922	-4346132.225	4561971.124	NOAM
40490S001	MARYLAND POINT	7217	1106629.464	-4882906.824	3938086.744	NOAM
40440S003	WESTFORD	7209	1492206.766	-4458130.492	4296015.487	NOAM
40440S002	WESTFORD	7205	1492404.912	-4457266.505	4296881.726	NOAM
41709S001	SEST	7239	1838237.742	-5258699.240	-3100588.226	SOAM
13407S010	MADRID	1565	4849336.789	-360488.937	4114748.665	EURA
13201S002	CHILBOLTON	7215	4008310.217	-100650.897	4943794.711	EURA
14209S001	EFFELSBERG	7203	4033947.628	486990.368	4900430.717	EURA
12711S001	BOLOGNA	7230	4461370.174	919596.685	4449559.065	EURA

10402S002	ONSALA	7213	3370606.188	711917.385	5349830.625	EURA
14201S004	WETTZELL	7224	4075540.061	931735.142	4801629.255	EURA
12717S001	NOTO	7547	4934563.327	1321201.143	3806484.318	EURA
30302S001	JOHANNESBURG	7232	5085442.793	2668263.355	-2768697.238	AFRC
21605S009	SHANGHAI	7227	-2831686.645	4675733.831	3275327.813	EURA
21725S001	NOBEYAMA	7244	-3871168.354	3428274.151	3723697.805	EURA
21701S004	KASHIMA	1857	-3997649.058	3276690.740	3724278.859	NOAM
21701S001	KASHIMA	1856	-3997892.250	3276581.269	3724118.329	NOAM
50116S002	HOBART	7242	-3950236.374	2522347.544	-4311562.967	INDI
50103S010	CANBERRA	1545	-4460935.032	2682765.730	-3674381.650	INDI
50505S003	KWAJALEIN ATOL	4968	-6143536.475	1363997.198	1034707.407	PCFC

SSC(IERS) 91 R 02
POSITIONS 1990.0

NETWORK NUMBER	SITE	CDP NUM.	X m	Y m	Z m	PLATE
14209S001	EFFELSBERG	7203	4033947.597	486990.401	4900430.739	EURA
10402S002	ONSALA	7213	3370606.156	711917.418	5349830.631	EURA
13201S002	CHILBOLTON	7215	4008310.190	-100650.865	4943794.733	EURA
13407S010	MADRID	1565	4849336.765	-360488.895	4114748.686	EURA
12711S001	BOLOGNA	7230	4461370.149	919596.725	4449559.097	EURA
12717S001	NOTO	7547	4934563.266	1321201.169	3806484.332	EURA
14201S004	WETTZELL	7224	4075540.024	931735.178	4801629.258	EURA
21605S009	SHANGHAI	7227	-2831686.684	4675733.780	3275327.721	EURA
21701S001	KASHIMA	1856	-3997892.243	3276581.295	3724118.260	NOAM
21701S004	KASHIMA	1857	-3997649.199	3276690.787	3724278.857	NOAM
21725S001	NOBEYAMA	7244	-3871168.252	3428273.978	3723697.610	EURA
30302S001	JOHANNESBURG	7232	5085442.803	2668263.371	-2768697.240	AFRC
40104S001	ALGONQUIN	7282	918034.882	-4346132.230	4561971.122	NOAM
40440S002	WESTFORD	7205	1492404.876	-4457266.511	4296881.732	NOAM
40441S001	GREENBANK	7204	882880.001	-4924482.268	3944130.615	NOAM
40439S002	OWENS VALLEY	7207	-2409600.712	-4478349.554	3838603.211	NOAM
40442S003	FORT DAVIS	7216	-1324210.889	-5332023.136	3232118.366	NOAM
40489S001	HAT CREEK	7218	-2523969.889	-4123506.343	4147752.570	NOAM
40440S003	WESTFORD	7209	1492206.730	-4458130.498	4296015.494	NOAM
40499S001	RICHMOND	7219	961258.145	-5674090.040	2740533.756	NOAM
40490S001	MARYLAND POINT	7217	1106629.424	-4882906.688	3938086.669	NOAM
40405S009	GOLDSTONE	7222	-2356170.934	-4646755.883	3668470.595	NOAM
40420M002	VANDENBERG AFB	7223	-2678094.723	-4525450.770	3597410.167	PCFC
40408S002	FAIRBANKS	7225	-2281547.140	-1453645.033	5756993.185	NOAM
40424S001	KAUAI	1311	-5543845.999	-2054564.071	2387813.854	PCFC
40496M002	PLATTEVILLE	7258	-1240708.088	-4720454.362	4094481.636	NOAM
40456S001	PIETOWN	7234	-1640953.598	-5014816.024	3575411.912	NOAM
50103S010	CANBERRA	1545	-4460935.115	2682765.695	-3674381.601	INDI
50116S002	HOBART	7242	-3950236.445	2522347.499	-4311562.929	INDI
50505S003	KWAJALEIN ATOL	4968	-6143536.430	1363997.324	1034707.422	PCFC
41709S001	SEST	7239	1838237.880	-5258699.251	-3100588.790	SOAM

SSC(IERS) 91 L 01

POSITIONS 1984.0

NETWORK NUMBER	SITE	CDP NUM.	X m	Y m	Z m	PLATE
14106S001	POTSDAM	1181	3800621.350	882005.242	5028859.528	EURA
12337S003	SIMEIS	1873	3783902.744	2551404.764	4441257.536	EURA
12302S002	RIGA	1884	3183896.119	1421496.797	5322803.414	EURA
12337S006	KATZIVELY	1893	3785945.019	2550780.467	4439461.458	EURA
40701S001	SANTIAGO DE CU	1953	1474548.583	-5811242.341	2168944.965	NOAM
40436M003	SAN DIEGO	7035	-2428826.426	-4799754.486	3417266.957	PCFC
40438M002	BEAR LAKE	7046	-1736002.882	-4425049.626	4241427.161	NOAM
40433M001	QUINCY	7051	-2516893.038	-4198845.148	4076411.434	NOAM
40436M002	SAN DIEGO	7062	-2428825.716	-4799750.622	3417272.701	PCFC
40451M112	WASHINGTON	7063	1130714.846	-4831367.747	3994087.355	NOAM
40451M108	WASHINGTON	7065	1130692.251	-4831351.389	3994111.760	NOAM
42501M001	BERMUDA	7067	2308538.605	-4874079.942	3393628.483	NOAM
43602M002	GRAND TURK	7068	1920482.866	-5619478.281	2318914.353	NOAM
40442M006	FORT DAVIS	7080	-1330020.872	-5328401.865	3236480.865	NOAM
40438M001	BEAR LAKE	7082	-1735997.035	-4425048.215	4241430.436	NOAM
40439M003	OWENS VALLEY	7084	-2410590.034	-4477745.246	3838648.465	NOAM
40405M001	GOLDSTONE	7085	-2353393.817	-4641529.257	3676898.905	NOAM
40442M001	FORT DAVIS	7086	-1330125.217	-5328526.630	3236150.332	NOAM
50107M001	YARRAGADEE	7090	-2389006.303	5043329.229	-3078525.541	INDI
40440M001	WESTFORD	7091	1492453.838	-4457278.742	4296815.881	NOAM
50505M001	KWAJALEIN ATOL	7092	-6143447.350	1364699.879	1034162.975	PCFC
50503M001	AMERICAN SAMOA	7096	-6100045.808	-996203.374	-1568976.413	PCFC
41703M002	EASTER ISLAND	7097	-1884984.701	-5357608.066	-2892853.329	NAZC
40451M106	WASHINGTON	7100	1131355.874	-4831168.987	3994131.912	NOAM
40451M101	WASHINGTON	7101	1131240.536	-4831179.850	3994148.407	NOAM
40451M102	WASHINGTON	7102	1130686.734	-4831353.038	3994110.897	NOAM
40451M103	WASHINGTON	7103	1130685.748	-4831348.695	3994116.319	NOAM
40451M104	WASHINGTON	7104	1131095.894	-4831196.926	3994170.664	NOAM
40451M105	WASHINGTON	7105	1130719.861	-4831350.557	3994106.485	NOAM
40433M002	QUINCY	7109	-2517234.604	-4198556.247	4076569.701	NOAM
40497M001	MONUMENT PEAK	7110	-2386277.762	-4802354.453	3444881.375	PCFC
40496M001	PLATTEVILLE	7112	-1240678.075	-4720463.384	4094480.638	NOAM
40439M001	OWENS VALLEY	7114	-2410422.297	-4477802.716	3838686.718	NOAM
40405M002	GOLDSTONE	7115	-2350861.548	-4655546.333	3660997.922	NOAM
40445M002	MAUI	7120	-5465998.344	-2404408.805	2242228.340	PCFC
92202M002	HUAHINE	7121	-5345865.092	-2958246.889	-1824623.912	PCFC
40504M001	MAZATLAN	7122	-1660089.232	-5619100.410	2511637.918	NOAM
92202M004	HUAHINE	7123	-5345866.638	-2958247.665	-1824624.496	PCFC
40451M114	WASHINGTON	7125	1130745.970	-4831368.022	3994077.064	NOAM
40451M116	WASHINGTON	7130	1130735.502	-4831324.582	3994132.319	NOAM
40445M001	MAUI	7210	-5466006.411	-2404428.222	2242187.356	PCFC
40497M002	MONUMENT PEAK	7220	-2386292.089	-4802347.636	3444880.836	PCFC
21602S003	WUHAN	7236	-2266555.361	5009079.426	3222266.174	EURA
40405M006	GOLDSTONE	7265	-2356475.582	-4646618.317	3668424.792	NOAM
40497M003	MONUMENT PEAK	7274	-2386289.164	-4802346.650	3444883.907	PCFC
40405M013	GOLDSTONE	7288	-2356493.946	-4646607.677	3668426.707	NOAM
40499M002	RICHMOND	7295	961319.075	-5674090.956	2740489.534	NOAM
41705M001	SANTIAGO	7400	1769699.811	-5044612.906	-3468260.093	SOAM
41706M001	CERRO TOLOLO	7401	1815517.297	-5213464.800	-3187999.335	SOAM
42202M003	AREQUIPA	7403	1942808.089	-5804069.655	-1796915.637	SOAM

12612M001	ASKITES	7510	4353444.990	2082666.231	4156506.617	EURA
12615M001	KATAVIA	7512	4573400.137	2409322.162	3723881.725	EURA
12602M002	DIONYSOS	7515	4595216.529	2039435.264	3912629.459	EURA
12613M001	ROUMELLI	7517	4728694.767	2174373.312	3674572.911	EURA
12614M001	KARITSA	7520	4596042.718	1733476.696	4055720.815	EURA
12616M001	XRISOKALARIA	7525	4745949.647	1905705.870	3799168.998	EURA
20702S001	BAR GIYYORA	7530	4443968.534	3121946.828	3334695.402	AFRC
12734M005	MATERA	7540	4641984.664	1393057.686	4133233.401	EURA
12734M004	MATERA	7541	4641990.377	1393042.249	4133231.799	EURA
12717S002	NOTO	7543	4934531.725	1321133.556	3806521.303	EURA
12706M001	LAMPEDUSA	7544	5072832.074	1130886.175	3684836.914	EURA
12725M002	CAGLIARI	7545	4893398.159	772673.236	4004140.931	EURA
12711M002	BOLOGNA	7546	4461399.734	919566.801	4449510.490	EURA
12718M002	TRIESTE	7550	4336738.675	1071271.421	4537910.997	EURA
20801M001	DIYARBAKIR	7575	3848636.049	3251760.843	3898909.226	EURA
20803M001	MELENGICLICK	7580	4247620.592	2778638.901	3851607.481	EURA
20802M001	YOZGAT	7585	4029730.761	2802093.183	4062067.974	EURA
20804M001	YIGILCA	7587	4117362.093	2517076.769	4157679.018	EURA
14201S012	WETTZELL	7596	4075585.349	931837.656	4801559.202	EURA
14201S015	WETTZELL	7597	4075604.894	931826.954	4801546.952	EURA
14201S007	WETTZELL	7599	4075517.498	931754.017	4801630.264	EURA
10302M002	TROMSO	7602	2102904.308	721602.369	5958201.244	EURA
10503S001	METSAHOVI	7805	2892595.219	1311808.280	5512609.940	EURA
14001S001	ZIMMERWALD	7810	4331283.697	567549.495	4633139.909	EURA
12205S001	BOROWIEC	7811	3738332.839	1148246.273	5021815.686	EURA
30101S001	HELWAN	7831	4728283.684	2879670.313	3156894.379	AFRC
13504S001	KOOTWIJK	7833	3899224.191	396742.786	5015073.816	EURA
14201S002	WETTZELL	7834	4075530.154	931781.220	4801618.182	EURA
10002S001	GRASSE	7835	4581691.851	556159.311	4389359.325	EURA
21605S001	SHANGHAI	7837	-2831087.688	4676203.413	3275172.885	EURA
21726S001	SIMOSATO	7838	-3822388.333	3699363.449	3507573.103	EURA
11001S002	GRAZ	7839	4194426.785	1162693.819	4647246.499	EURA
13212S001	HERSTMONCEUX	7840	4033463.905	23662.271	4924304.993	EURA
50103S007	CANBERRA	7843	-4446476.581	2678127.000	-3696251.772	INDI
40439M004	OWENS VALLEY	7853	-2410421.042	-4477800.355	3838690.399	NOAM
40505M001	CABO SAN LUCAS	7882	-1997241.557	-5528041.399	2468355.189	PCFC
40506M001	ENSENADA	7883	-2406126.568	-4898368.562	3290336.498	PCFC
40442M005	FORT DAVIS	7885	-1330125.278	-5328526.565	3236150.286	NOAM
40433M005	QUINCY	7886	-2517242.215	-4198550.984	4076570.354	NOAM
40434M002	MOUNT HOPKINS	7888	-1936744.183	-5077639.080	3331993.945	NOAM
40491M002	FLAGSTAFF	7891	-1923976.577	-4850871.706	3658574.767	NOAM
40492M001	VERNAL	7892	-1631484.586	-4589133.830	4106749.555	NOAM
40493M001	YUMA	7894	-2196777.709	-4887337.091	3448425.312	NOAM
40400M001	PASADENA	7896	-2493211.822	-4655229.612	3565574.567	PCFC
40451M111	WASHINGTON	7899	1131364.801	-4831168.769	3994129.013	NOAM
42202S001	AREQUIPA	7907	1942791.963	-5804077.696	-1796919.327	SOAM
40451M120	WASHINGTON	7918	1130705.454	-4831345.423	3994115.902	NOAM
40451S145	WASHINGTON	7919	1130705.864	-4831347.454	3994117.506	NOAM
40451M117	WASHINGTON	7920	1130742.099	-4831369.833	3994076.041	NOAM
40434S001	MOUNT HOPKINS	7921	-1936759.969	-5077707.060	3331922.410	NOAM
41604S001	NATAL	7929	5186467.875	-3653855.896	-654321.924	SOAM
12734S001	MATERA	7939	4641965.173	1393069.880	4133262.169	EURA
12602S001	DIONYSOS	7940	4595217.388	2039464.374	3912613.094	EURA
50103S003	CANBERRA	7943	-4447548.583	2677134.023	-3694996.775	INDI
13504M002	KOOTWIJK	8833	3899237.937	396769.117	5015055.185	EURA

SSC(IERS) 91 L 01
POSITIONS 1986.0

NETWORK NUMBER	SITE	CDP NUM.	X m	Y m	Z m	PLATE
14106S001	POTSDAM	1181	3800621.316	882005.274	5028859.548	EURA
12337S003	SIMEIS	1873	3783902.702	2551404.794	4441257.554	EURA
12302S002	RIGA	1884	3183896.080	1421496.825	5322803.430	EURA
12337S006	KATZIVELY	1893	3785944.977	2550780.497	4439461.476	EURA
40701S001	SANTIAGO DE CU	1953	1474548.563	-5811242.344	2168944.970	NOAM
40436M003	SAN DIEGO	7035	-2428826.498	-4799754.416	3417267.004	PCFC
40438M002	BEAR LAKE	7046	-1736002.918	-4425049.630	4241427.142	NOAM
40433M001	QUINCY	7051	-2516893.072	-4198845.152	4076411.409	NOAM
40436M002	SAN DIEGO	7062	-2428825.788	-4799750.552	3417272.748	PCFC
40451M112	WASHINGTON	7063	1130714.812	-4831367.752	3994087.359	NOAM
40451M108	WASHINGTON	7065	1130692.217	-4831351.394	3994111.764	NOAM
42501M001	BERMUDA	7067	2308538.575	-4874079.947	3393628.496	NOAM
43602M002	GRAND TURK	7068	1920482.844	-5619478.284	2318914.362	NOAM
40442M006	FORT DAVIS	7080	-1330020.901	-5328401.868	3236480.849	NOAM
40438M001	BEAR LAKE	7082	-1735997.071	-4425048.219	4241430.417	NOAM
40439M003	OWENS VALLEY	7084	-2410590.067	-4477745.249	3838648.440	NOAM
40405M001	GOLDSTONE	7085	-2353393.848	-4641529.260	3676898.881	NOAM
40442M001	FORT DAVIS	7086	-1330125.246	-5328526.633	3236150.316	NOAM
50107M001	YARRAGADEE	7090	-2389006.406	5043329.245	-3078525.435	INDI
40440M001	WESTFORD	7091	1492453.801	-4457278.747	4296815.888	NOAM
50505M001	KWAJALEIN ATOL	7092	-6143447.307	1364700.024	1034163.036	PCFC
50503M001	AMERICAN SAMOA	7096	-6100045.848	-996203.241	-1568976.343	PCFC
41703M002	EASTER ISLAND	7097	-1884984.539	-5357608.111	-2892853.340	NAZC
40451M106	WASHINGTON	7100	1131355.840	-4831168.992	3994131.916	NOAM
40451M101	WASHINGTON	7101	1131240.502	-4831179.855	3994148.411	NOAM
40451M102	WASHINGTON	7102	1130686.700	-4831353.043	3994110.901	NOAM
40451M103	WASHINGTON	7103	1130685.714	-4831348.700	3994116.323	NOAM
40451M104	WASHINGTON	7104	1131095.860	-4831196.931	3994170.668	NOAM
40451M105	WASHINGTON	7105	1130719.827	-4831350.562	3994106.489	NOAM
40433M002	QUINCY	7109	-2517234.642	-4198556.242	4076569.694	NOAM
40497M001	MONUMENT PEAK	7110	-2386277.829	-4802354.404	3444881.404	PCFC
40496M001	PLATTEVILLE	7112	-1240678.110	-4720463.388	4094480.622	NOAM
40439M001	OWENS VALLEY	7114	-2410422.330	-4477802.719	3838686.693	NOAM
40405M002	GOLDSTONE	7115	-2350861.580	-4655546.336	3660997.898	NOAM
40445M002	MAUI	7120	-5465998.374	-2404408.671	2242228.410	PCFC
92202M002	HUAHINE	7121	-5345865.179	-2958246.774	-1824623.841	PCFC
40504M001	MAZATLAN	7122	-1660089.255	-5619100.412	2511637.899	NOAM
92202M004	HUAHINE	7123	-5345866.705	-2958247.562	-1824624.415	PCFC
40451M114	WASHINGTON	7125	1130745.936	-4831368.027	3994077.068	NOAM
40451M116	WASHINGTON	7130	1130735.468	-4831324.587	3994132.323	NOAM
40445M001	MAUI	7210	-5466006.441	-2404428.088	2242187.426	PCFC
40497M002	MONUMENT PEAK	7220	-2386292.162	-4802347.566	3444880.882	PCFC
21602S003	WUHAN	7236	-2266555.413	5009079.414	3222266.156	EURA
40405M006	GOLDSTONE	7265	-2356475.613	-4646618.320	3668424.768	NOAM
40497M003	MONUMENT PEAK	7274	-2386289.237	-4802346.580	3444883.953	PCFC
40405M013	GOLDSTONE	7288	-2356493.977	-4646607.680	3668426.683	NOAM

40499M002	RICHMOND	7295	961319.051	-5674090.959	2740489.535	NOAM
41705M001	SANTIAGO	7400	1769699.808	-5044612.918	-3468260.076	SOAM
41706M001	CERRO TOLOLO	7401	1815517.293	-5213464.811	-3187999.318	SOAM
42202M003	AREQUIPA	7403	1942808.078	-5804069.665	-1796915.619	SOAM
12612M001	ASKITES	7510	4353444.952	2082666.265	4156506.639	EURA
12615M001	KATAVIA	7512	4573400.100	2409322.198	3723881.747	EURA
12602M002	DIONYSOS	7515	4595216.494	2039435.299	3912629.483	EURA
12613M001	ROUMELLI	7517	4728694.732	2174373.349	3674572.935	EURA
12614M001	KARITSA	7520	4596042.683	1733476.732	4055720.838	EURA
12616M001	XRISOKALARIA	7525	4745949.613	1905705.906	3799169.022	EURA
20702S001	BAR GIYYORA	7530	4443968.486	3121946.858	3334695.438	AFRC
12734M005	MATERA	7540	4641984.631	1393057.722	4133233.425	EURA
12734M004	MATERA	7541	4641990.344	1393042.285	4133231.823	EURA
12717S002	NOTO	7543	4934531.695	1321133.594	3806521.329	EURA
12706M001	LAMPEDUSA	7544	5072832.046	1130886.213	3684836.941	EURA
12725M002	CAGLIARI	7545	4893398.131	772673.274	4004140.958	EURA
12711M002	BOLOGNA	7546	4461399.703	919566.837	4449510.513	EURA
12718M002	TRIESTE	7550	4336738.642	1071271.455	4537911.020	EURA
20801M001	DIYARBAKIR	7575	3848636.005	3251760.873	3898909.244	EURA
20803M001	MELENGICLICK	7580	4247620.551	2778638.934	3851607.501	EURA
20802M001	YOZGAT	7585	4029730.720	2802093.215	4062067.994	EURA
20804M001	YIGILCA	7587	4117362.052	2517076.801	4157679.038	EURA
14201S012	WETTZELL	7596	4075585.316	931837.689	4801559.223	EURA
14201S015	WETTZELL	7597	4075604.861	931826.987	4801546.973	EURA
14201S007	WETTZELL	7599	4075517.465	931754.050	4801630.285	EURA
10302M002	TROMSO	7602	2102904.270	721602.390	5958201.255	EURA
10503S001	METSAHOVI	7805	2892595.180	1311808.305	5512609.954	EURA
14001S001	ZIMMERWALD	7810	4331283.668	567549.529	4633139.933	EURA
12205S001	BOROWIEC	7811	3738332.804	1148246.304	5021815.706	EURA
30101S001	HELWAN	7831	4728283.638	2879670.347	3156894.417	AFRC
13504S001	KOOTWIJK	7833	3899224.160	396742.818	5015073.837	EURA
14201S002	WETTZELL	7834	4075530.121	931781.253	4801618.203	EURA
10002S001	GRASSE	7835	4581691.823	556159.347	4389359.350	EURA
21605S001	SHANGHAI	7837	-2831087.738	4676203.397	3275172.865	EURA
21726S001	SIMOSATO	7838	-3822388.331	3699363.454	3507573.113	EURA
11001S002	GRAZ	7839	4194426.752	1162693.852	4647246.521	EURA
13212S001	HERSTMONCEUX	7840	4033463.877	23662.304	4924305.016	EURA
50103S007	CANBERRA	7843	-4446476.653	2678126.996	-3696251.688	INDI
40439M004	OWENS VALLEY	7853	-2410421.075	-4477800.358	3838690.374	NOAM
40505M001	CABO SAN LUCAS	7882	-1997241.656	-5528041.342	2468355.235	PCFC
40506M001	ENSENADA	7883	-2406126.645	-4898368.493	3290336.545	PCFC
40442M005	FORT DAVIS	7885	-1330125.307	-5328526.568	3236150.270	NOAM
40433M005	QUINCY	7886	-2517242.249	-4198550.988	4076570.329	NOAM
40434M002	MOUNT HOPKINS	7888	-1936744.212	-5077639.083	3331993.923	NOAM
40491M002	FLAGSTAFF	7891	-1923976.608	-4850871.710	3658574.746	NOAM
40492M001	VERNAL	7892	-1631484.621	-4589133.834	4106749.536	NOAM
40493M001	YUMA	7894	-2196777.739	-4887337.094	3448425.289	NOAM
40400M001	PASADENA	7896	-2493211.889	-4655229.539	3565574.614	PCFC
40451M111	WASHINGTON	7899	1131364.767	-4831168.774	3994129.017	NOAM
42202S001	AREQUIPA	7907	1942791.987	-5804077.677	-1796919.299	SOAM
40451M120	WASHINGTON	7918	1130705.420	-4831345.428	3994115.906	NOAM
40451S145	WASHINGTON	7919	1130705.830	-4831347.459	3994117.510	NOAM
40451M117	WASHINGTON	7920	1130742.065	-4831369.838	3994076.045	NOAM
40434S001	MOUNT HOPKINS	7921	-1936759.998	-5077707.063	3331922.388	NOAM
41604S001	NATAL	7929	5186467.867	-3653855.913	-654321.897	SOAM

12734S001	MATERA	7939	4641965.133	1393069.908	4133262.209	EURA
12602S001	DIONYSOS	7940	4595217.353	2039464.409	3912613.118	EURA
50103S003	CANBERRA	7943	-4447548.655	2677134.019	-3694996.691	INDI
13504M002	KOOTWIJK	8833	3899237.906	396769.149	5015055.206	EURA

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NETWORK NUMBER	SITE	CDP NUM.	X m	Y m	Z m	PLATE
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14106S001	POTSDAM	1181	3800621.282	882005.305	5028859.568	EURA
12337S003	SIMEIS	1873	3783902.660	2551404.825	4441257.572	EURA
12302S002	RIGA	1884	3183896.041	1421496.852	5322803.446	EURA
12337S006	KATZIVELY	1893	3785944.935	2550780.528	4439461.494	EURA
40701S001	SANTIAGO DE CU	1953	1474548.543	-5811242.347	2168944.975	NOAM
40436M003	SAN DIEGO	7035	-2428826.571	-4799754.346	3417267.051	PCFC
40438M002	BEAR LAKE	7046	-1736002.954	-4425049.634	4241427.123	NOAM
40433M001	QUINCY	7051	-2516893.107	-4198845.155	4076411.384	NOAM
40436M002	SAN DIEGO	7062	-2428825.861	-4799750.482	3417272.795	PCFC
40451M112	WASHINGTON	7063	1130714.778	-4831367.757	3994087.362	NOAM
40451M108	WASHINGTON	7065	1130692.183	-4831351.399	3994111.767	NOAM
42501M001	BERMUDA	7067	2308538.546	-4874079.952	3393628.509	NOAM
43602M002	GRAND TURK	7068	1920482.823	-5619478.288	2318914.371	NOAM
40442M006	FORT DAVIS	7080	-1330020.929	-5328401.871	3236480.832	NOAM
40438M001	BEAR LAKE	7082	-1735997.107	-4425048.223	4241430.398	NOAM
40439M003	OWENS VALLEY	7084	-2410590.100	-4477745.252	3838648.416	NOAM
40405M001	GOLDSTONE	7085	-2353393.880	-4641529.263	3676898.857	NOAM
40442M001	FORT DAVIS	7086	-1330125.274	-5328526.636	3236150.299	NOAM
50107M001	YARRAGADEE	7090	-2389006.509	5043329.261	-3078525.329	INDI
40440M001	WESTFORD	7091	1492453.765	-4457278.753	4296815.895	NOAM
50505M001	KWAJALEIN ATOL	7092	-6143447.265	1364700.169	1034163.097	PCFC
50503M001	AMERICAN SAMOA	7096	-6100045.888	-996203.108	-1568976.272	PCFC
41703M002	EASTER ISLAND	7097	-1884984.377	-5357608.157	-2892853.351	NAZC
40451M106	WASHINGTON	7100	1131355.806	-4831168.997	3994131.919	NOAM
40451M101	WASHINGTON	7101	1131240.468	-4831179.860	3994148.414	NOAM
40451M102	WASHINGTON	7102	1130686.666	-4831353.048	3994110.904	NOAM
40451M103	WASHINGTON	7103	1130685.680	-4831348.705	3994116.326	NOAM
40451M104	WASHINGTON	7104	1131095.826	-4831196.936	3994170.671	NOAM
40451M105	WASHINGTON	7105	1130719.793	-4831350.567	3994106.492	NOAM
40433M002	QUINCY	7109	-2517234.679	-4198556.236	4076569.688	NOAM
40497M001	MONUMENT PEAK	7110	-2386277.895	-4802354.355	3444881.433	PCFC
40496M001	PLATTEVILLE	7112	-1240678.145	-4720463.392	4094480.607	NOAM
40439M001	OWENS VALLEY	7114	-2410422.363	-4477802.722	3838686.669	NOAM
40405M002	GOLDSTONE	7115	-2350861.611	-4655546.339	3660997.874	NOAM
40445M002	MAUI	7120	-5465998.405	-2404408.536	2242228.480	PCFC
92202M002	HUAHINE	7121	-5345865.267	-2958246.660	-1824623.770	PCFC
40504M001	MAZATLAN	7122	-1660089.278	-5619100.414	2511637.879	NOAM
92202M004	HUAHINE	7123	-5345865.771	-2958247.459	-1824624.334	PCFC
40451M114	WASHINGTON	7125	1130745.902	-4831368.032	3994077.071	NOAM
40451M116	WASHINGTON	7130	1130735.434	-4831324.592	3994132.326	NOAM
40445M001	MAUI	7210	-5466006.472	-2404427.953	2242187.496	PCFC
40497M002	MONUMENT PEAK	7220	-2386292.234	-4802347.497	3444880.929	PCFC

21602S003	WUHAN	7236	-2266555.465	5009079.402	3222266.138	EURA
40405M006	GOLDSTONE	7265	-2356475.645	-4646618.323	3668424.744	NOAM
40497M003	MONUMENT PEAK	7274	-2386289.309	-4802346.511	3444884.000	PCFC
40405M013	GOLDSTONE	7288	-2356494.009	-4646607.683	3668426.659	NOAM
40499M002	RICHMOND	7295	961319.026	-5674090.963	2740489.536	NOAM
41705M001	SANTIAGO	7400	1769699.806	-5044612.930	-3468260.060	SOAM
41706M001	CERRO TOLOLO	7401	1815517.289	-5213464.823	-3187999.301	SOAM
42202M003	AREQUIPA	7403	1942808.067	-5804069.674	-1796915.600	SOAM
12612M001	ASKITES	7510	4353444.915	2082666.299	4156506.661	EURA
12615M001	KATAVIA	7512	4573400.063	2409322.233	3723881.770	EURA
12602M002	DIONYSOS	7515	4595216.458	2039435.335	3912629.506	EURA
12613M001	ROUMELLI	7517	4728694.697	2174373.385	3674572.959	EURA
12614M001	KARITSA	7520	4596042.649	1733476.768	4055720.862	EURA
12616M001	XRISOKALARIA	7525	4745949.579	1905705.943	3799169.046	EURA
20702S001	BAR GIYYORA	7530	4443968.437	3121946.889	3334695.474	AFRC
12734M005	MATERA	7540	4641984.599	1393057.758	4133233.449	EURA
12734M004	MATERA	7541	4641990.312	1393042.321	4133231.847	EURA
12717S002	NOTO	7543	4934531.665	1321133.632	3806521.355	EURA
12706M001	LAMPEDUSA	7544	5072832.018	1130886.252	3684836.968	EURA
12725M002	CAGLIARI	7545	4893398.104	772673.312	4004140.984	EURA
12711M002	BOLOGNA	7546	4461399.672	919566.872	4449510.537	EURA
12718M002	TRIESTE	7550	4336738.610	1071271.490	4537911.043	EURA
20801M001	DIYARBAKIR	7575	3848635.961	3251760.904	3898909.262	EURA
20803M001	MELENGICLICK	7580	4247620.511	2778638.967	3851607.522	EURA
20802M001	YOZGAT	7585	4029730.678	2802093.247	4062068.013	EURA
20804M001	YIGILCA	7587	4117362.012	2517076.834	4157679.058	EURA
14201S010	WETTZELL	7596	4075585.283	931837.722	4801559.245	EURA
14201S011	WETTZELL	7597	4075604.828	931827.020	4801546.995	EURA
14201S007	WETTZELL	7599	4075517.432	931754.083	4801630.307	EURA
10302M002	TROMSO	7602	2102904.232	721602.411	5958201.266	EURA
10503S001	METSAHOVI	7805	2892595.140	1311808.331	5512609.969	EURA
14001S001	ZIMMERWALD	7810	4331283.638	567549.564	4633139.956	EURA
12205S001	BOROWIEC	7811	3738332.768	1148246.335	5021815.725	EURA
30101S001	HELWAN	7831	4728283.593	2879670.380	3156894.454	AFRC
13504S001	KOOTWIJK	7833	3899224.130	396742.850	5015073.858	EURA
14201S002	WETTZELL	7834	4075530.088	931781.286	4801618.225	EURA
10002S001	GRASSE	7835	4581691.795	556159.383	4389359.375	EURA
21605S001	SHANGHAI	7837	-2831087.788	4676203.381	3275172.844	EURA
21726S001	SIMOSATO	7838	-3822388.329	3699363.458	3507573.122	EURA
11001S002	GRAZ	7839	4194426.718	1162693.886	4647246.543	EURA
13212S001	HERSTMONCEUX	7840	4033463.850	23662.337	4924305.038	EURA
50103S007	CANBERRA	7843	-4446476.726	2678126.991	-3696251.604	INDI
40439M004	OWENS VALLEY	7853	-2410421.108	-4477800.361	3838690.350	NOAM
40505M001	CABO SAN LUCAS	7882	-1997241.756	-5528041.286	2468355.280	PCFC
40506M001	ENSENADA	7883	-2406126.721	-4898368.424	3290336.592	PCFC
40442M005	FORT DAVIS	7885	-1330125.335	-5328526.571	3236150.253	NOAM
40433M005	QUINCY	7886	-2517242.284	-4198550.991	4076570.304	NOAM
40434M002	MOUNT HOPKINS	7888	-1936744.241	-5077639.086	3331993.902	NOAM
40491M002	FLAGSTAFF	7891	-1923976.640	-4850871.713	3658574.725	NOAM
40492M001	VERNAL	7892	-1631484.656	-4589133.838	4106749.518	NOAM
40493M001	YUMA	7894	-2196777.769	-4887337.097	3448425.266	NOAM
40400M001	PASADENA	7896	-2493211.957	-4655229.467	3565574.661	PCFC
40451M111	WASHINGTON	7899	1131364.733	-4831168.779	3994129.020	NOAM
42202S001	AREQUIPA	7907	1942792.010	-5804077.659	-1796919.272	SOAM
40451M120	WASHINGTON	7918	1130705.386	-4831345.433	3994115.909	NOAM

40451S145	WASHINGTON	7919	1130705.796	-4831347.464	3994117.513	NOAM
40451M117	WASHINGTON	7920	1130742.031	-4831369.843	3994076.048	NOAM
40434S001	MOUNT HOPKINS	7921	-1936760.027	-5077707.066	3331922.367	NOAM
41604S001	NATAL	7929	5186467.858	-3653855.930	-654321.871	SOAM
12734S001	MATERA	7939	4641965.093	1393069.937	4133262.249	EURA
12602S001	DIONYSOS	7940	4595217.317	2039464.445	3912613.141	EURA
50103S003	CANBERRA	7943	-4447548.728	2677134.014	-3694996.607	INDI
13504M002	KOOTWIJK	8833	3899237.876	396769.181	5015055.227	EURA

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NETWORK NUMBER	SITE	CDP NUM.	X m	Y m	Z m	PLATE
14106S001	POTSDAM	1181	3800621.248	882005.336	5028859.588	EURA
12337S003	SIMEIS	1873	3783902.618	2551404.856	4441257.590	EURA
12302S002	RIGA	1884	3183896.002	1421496.879	5322803.462	EURA
12337S006	KATZIVELY	1893	3785944.893	2550780.559	4439461.512	EURA
40701S001	SANTIAGO DE CU	1953	1474548.523	-5811242.350	2168944.980	NOAM
40436M003	SAN DIEGO	7035	-2428826.644	-4799754.276	3417267.098	PCFC
40438M002	BEAR LAKE	7046	-1736002.990	-4425049.638	4241427.104	NOAM
40433M001	QUINCY	7051	-2516893.142	-4198845.158	4076411.359	NOAM
40436M002	SAN DIEGO	7062	-2428825.934	-4799750.412	3417272.842	PCFC
40451M112	WASHINGTON	7063	1130714.744	-4831367.762	3994087.365	NOAM
40451M108	WASHINGTON	7065	1130692.149	-4831351.404	3994111.770	NOAM
42501M001	BERMUDA	7067	2308538.517	-4874079.957	3393628.522	NOAM
43602M002	GRAND TURK	7068	1920482.802	-5619478.292	2318914.380	NOAM
40442M006	FORT DAVIS	7080	-1330020.957	-5328401.874	3236480.815	NOAM
40438M001	BEAR LAKE	7082	-1735997.143	-4425048.227	4241430.379	NOAM
40439M003	OWENS VALLEY	7084	-2410590.133	-4477745.255	3838648.392	NOAM
40405M001	GOLDSTONE	7085	-2353393.912	-4641529.266	3676898.833	NOAM
40442M001	FORT DAVIS	7086	-1330125.302	-5328526.639	3236150.282	NOAM
50107M001	YARRAGADEE	7090	-2389006.612	5043329.277	-3078525.223	INDI
40440M001	WESTFORD	7091	1492453.729	-4457278.759	4296815.902	NOAM
50505M001	KWAJALEIN ATOL	7092	-6143447.223	1364700.314	1034163.158	PCFC
50503M001	AMERICAN SAMOA	7096	-6100045.928	-996202.975	-1568976.201	PCFC
41703M002	EASTER ISLAND	7097	-1884984.215	-5357608.203	-2892853.362	NAZC
40451M106	WASHINGTON	7100	1131355.772	-4831169.002	3994131.922	NOAM
40451M101	WASHINGTON	7101	1131240.434	-4831179.865	3994148.417	NOAM
40451M102	WASHINGTON	7102	1130686.632	-4831353.053	3994110.907	NOAM
40451M103	WASHINGTON	7103	1130685.646	-4831348.710	3994116.329	NOAM
40451M104	WASHINGTON	7104	1131095.792	-4831196.941	3994170.674	NOAM
40451M105	WASHINGTON	7105	1130719.759	-4831350.572	3994106.495	NOAM
40433M002	QUINCY	7109	-2517234.716	-4198556.230	4076569.682	NOAM
40497M001	MONUMENT PEAK	7110	-2386277.961	-4802354.306	3444881.462	PCFC
40496M001	PLATTEVILLE	7112	-1240678.180	-4720463.396	4094480.592	NOAM
40439M001	OWENS VALLEY	7114	-2410422.396	-4477802.725	3838686.645	NOAM
40405M002	GOLDSTONE	7115	-2350861.642	-4655546.342	3660997.850	NOAM
40445M002	MAUI	7120	-5465998.436	-2404408.401	2242228.550	PCFC
92202M002	HUAHINE	7121	-5345865.355	-2958246.546	-1824623.699	PCFC
40504M001	MAZATLAN	7122	-1660089.301	-5619100.416	2511637.859	NOAM
92202M004	HUAHINE	7123	-5345866.837	-2958247.356	-1824624.253	PCFC

40451M114	WASHINGTON	7125	1130745.868	-4831368.037	3994077.074	NOAM
40451M116	WASHINGTON	7130	1130735.400	-4831324.597	3994132.329	NOAM
40445M001	MAUI	7210	-5466006.503	-2404427.818	2242187.566	PCFC
40497M002	MONUMENT PEAK	7220	-2386292.306	-4802347.428	3444880.976	PCFC
21602S003	WUHAN	7236	-2266555.517	5009079.390	3222266.120	EURA
40405M006	GOLDSTONE	7265	-2356475.677	-4646618.326	3668424.720	NOAM
40497M003	MONUMENT PEAK	7274	-2386289.381	-4802346.442	3444884.047	PCFC
40405M013	GOLDSTONE	7288	-2356494.041	-4646607.686	3668426.635	NOAM
40499M002	RICHMOND	7295	961319.001	-5674090.967	2740489.537	NOAM
41705M001	SANTIAGO	7400	1769699.804	-5044612.942	-3468260.044	SOAM
41706M001	CERRO TOLOLO	7401	1815517.285	-5213464.835	-3187999.284	SOAM
42202M003	AREQUIPA	7403	1942808.056	-5804069.683	-1796915.581	SOAM
12612M001	ASKITES	7510	4353444.878	2082666.333	4156506.683	EURA
12615M001	KATAVIA	7512	4573400.026	2409322.268	3723881.793	EURA
12602M002	DIONYSOS	7515	4595216.422	2039435.371	3912629.529	EURA
12613M001	ROUMELLI	7517	4728694.662	2174373.421	3674572.983	EURA
12614M001	KARITSA	7520	4596042.615	1733476.804	4055720.886	EURA
12616M001	XRISOKALARIA	7525	4745949.545	1905705.980	3799169.070	EURA
20702S001	BAR GIYYORA	7530	4443968.388	3121946.920	3334695.510	AFRC
12734M005	MATERA	7540	4641984.567	1393057.794	4133233.473	EURA
12734M004	MATERA	7541	4641990.280	1393042.357	4133231.871	EURA
12717S002	NOTO	7543	4934531.635	1321133.670	3806521.381	EURA
12706M001	LAMPEDUSA	7544	5072831.990	1130886.291	3684836.995	EURA
12725M002	CAGLIARI	7545	4893398.077	772673.350	4004141.010	EURA
12711M002	BOLOGNA	7546	4461399.641	919566.907	4449510.561	EURA
12718M002	TRIESTE	7550	4336738.578	1071271.525	4537911.066	EURA
20801M001	DIYARBAKIR	7575	3848635.917	3251760.935	3898909.280	EURA
20803M001	MELENGICLICK	7580	4247620.471	2778639.000	3851607.543	EURA
20802M001	YOZGAT	7585	4029730.636	2802093.279	4062068.032	EURA
20804M001	YIGILCA	7587	4117361.972	2517076.867	4157679.078	EURA
14201S012	WETTZELL	7596	4075585.250	931837.755	4801559.267	EURA
14201S015	WETTZELL	7597	4075604.795	931827.053	4801547.017	EURA
14201S007	WETTZELL	7599	4075517.399	931754.116	4801630.329	EURA
10302M002	TROMSO	7602	2102904.194	721602.432	5958201.277	EURA
10503S001	METSAHOVI	7805	2892595.100	1311808.357	5512609.984	EURA
14001S001	ZIMMERWALD	7810	4331283.608	567549.599	4633139.979	EURA
12205S001	BOROWIEC	7811	3738332.732	1148246.366	5021815.744	EURA
30101S001	HELWAN	7831	4728283.548	2879670.413	3156894.491	AFRC
13504S001	KOOTWIJK	7833	3899224.100	396742.882	5015073.879	EURA
14201S002	WETTZELL	7834	4075530.055	931781.319	4801618.247	EURA
10002S001	GRASSE	7835	4581691.767	556159.419	4389359.400	EURA
21605S001	SHANGHAI	7837	-2831087.838	4676203.365	3275172.823	EURA
21726S001	SIMOSATO	7838	-3822388.327	3699363.462	3507573.131	EURA
11001S002	GRAZ	7839	4194426.684	1162693.920	4647246.565	EURA
13212S001	HERSTMONCEUX	7840	4033463.823	23662.370	4924305.060	EURA
50103S007	CANBERRA	7843	-4446476.799	2678126.986	-3696251.520	INDI
40439M004	OWENS VALLEY	7853	-2410421.141	-4477800.364	3838690.326	NOAM
40505M001	CABO SAN LUCAS	7882	-1997241.856	-5528041.230	2468355.325	PCFC
40506M001	ENSENADA	7883	-2406126.797	-4898368.355	3290336.639	PCFC
40442M005	FORT DAVIS	7885	-1330125.363	-5328526.574	3236150.236	NOAM
40433M005	QUINCY	7886	-2517242.319	-4198550.994	4076570.279	NOAM
40434M002	MOUNT HOPKINS	7888	-1936744.270	-5077639.089	3331993.881	NOAM
40491M002	FLAGSTAFF	7891	-1923976.672	-4850871.716	3658574.704	NOAM
40492M001	VERNAL	7892	-1631484.691	-4589133.842	4106749.500	NOAM
40493M001	YUMA	7894	-2196777.799	-4887337.100	3448425.243	NOAM

40400M001	PASADENA	7896	-2493212.025	-4655229.395	3565574.708	PCFC
40451M111	WASHINGTON	7899	1131364.699	-4831168.784	3994129.023	NOAM
42202S001	AREQUIPA	7907	1942792.033	-5804077.641	-1796919.245	SOAM
40451M120	WASHINGTON	7918	1130705.352	-4831345.438	3994115.912	NOAM
40451S145	WASHINGTON	7919	1130705.762	-4831347.469	3994117.516	NOAM
40451M117	WASHINGTON	7920	1130741.997	-4831369.848	3994076.051	NOAM
40434S001	MOUNT HOPKINS	7921	-1936760.056	-5077707.069	3331922.346	NOAM
41604S001	NATAL	7929	5186467.849	-3653855.947	-654321.845	SOAM
12734S001	MATERA	7939	4641965.053	1393069.966	4133262.289	EURA
12602S001	DIONYSOS	7940	4595217.281	2039464.481	3912613.164	EURA
50103S003	CANBERRA	7943	-4447548.801	2677134.009	-3694996.523	INDI
13504M002	KOOTWIJK	8833	3899237.846	396769.213	5015055.248	EURA

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NETWORK NUMBER	SITE	CDP NUM.	X m	Y m	Z m	PLATE
14106S001	POTSDAM	1181	3800621.385	882005.270	5028859.441	EURA
12302S002	RIGA	1884	3183895.872	1421496.744	5322803.195	EURA
40701S001	SANTIAGO DE CU	1953	1474548.391	-5811242.389	2168944.978	NOAM
40436M003	SAN DIEGO	7035	-2428826.432	-4799754.452	3417266.966	PCFC
40433M001	QUINCY	7051	-2516893.024	-4198845.163	4076411.451	NOAM
41703M001	EASTER ISLAND	7061	-1884984.141	-5357606.691	-2892852.584	NAZC
40436M002	SAN DIEGO	7062	-2428825.675	-4799750.611	3417272.654	PCFC
40451M112	WASHINGTON	7063	1130714.924	-4831367.699	3994087.369	NOAM
42501M001	BERMUDA	7067	2308538.689	-4874079.805	3393628.544	NOAM
40417M002	PATRICK AFB	7069	917959.254	-5548370.254	2998776.632	NOAM
40442M006	FORT DAVIS	7080	-1330020.881	-5328401.880	3236480.871	NOAM
40438M001	BEAR LAKE	7082	-1735997.014	-4425048.242	4241430.518	NOAM
40442M001	FORT DAVIS	7086	-1330125.204	-5328526.633	3236150.334	NOAM
50107M001	YARRAGADEE	7090	-2389006.323	5043329.235	-3078525.524	INDI
40440M001	WESTFORD	7091	1492453.774	-4457278.677	4296815.842	NOAM
50505M001	KWAJALEIN ATOL	7092	-6143447.354	1364699.796	1034162.932	PCFC
50503M001	AMERICAN SAMOA	7096	-6100045.764	-996203.443	-1568976.471	PCFC
41703M002	EASTER ISLAND	7097	-1884984.723	-5357608.041	-2892853.326	NAZC
40451M105	WASHINGTON	7105	1130719.872	-4831350.539	3994106.496	NOAM
40433M002	QUINCY	7109	-2517234.605	-4198556.228	4076569.748	NOAM
40497M001	MONUMENT PEAK	7110	-2386277.753	-4802354.478	3444881.359	PCFC
40496M001	PLATTEVILLE	7112	-1240678.096	-4720463.378	4094480.645	NOAM
40439M001	OWENS VALLEY	7114	-2410422.279	-4477802.774	3838686.715	NOAM
40405M002	GOLDSTONE	7115	-2350861.504	-4655546.381	3660997.907	NOAM
40445M002	MAUI	7120	-5465998.335	-2404408.847	2242228.287	PCFC
92202M002	HUAHINE	7121	-5345865.075	-2958246.865	-1824623.913	PCFC
40504M001	MAZATLAN	7122	-1660089.219	-5619100.399	2511637.925	NOAM
92202M004	HUAHINE	7123	-5345866.590	-2958247.627	-1824624.457	PCFC
40451M114	WASHINGTON	7125	1130745.923	-4831368.042	3994077.109	NOAM
40445M001	MAUI	7210	-5466006.400	-2404428.224	2242187.370	PCFC
40497M002	MONUMENT PEAK	7220	-2386292.063	-4802347.561	3444880.837	PCFC
40405M006	GOLDSTONE	7265	-2356475.563	-4646618.292	3668424.789	NOAM
40405M013	GOLDSTONE	7288	-2356493.951	-4646607.666	3668426.724	NOAM
40499M002	RICHMOND	7295	961319.110	-5674090.926	2740489.580	NOAM

21736S001	ISHIGAKI SHIMA	7307	-3265754.183	4810000.654	2614265.499	EURA
41705S003	SANTIAGO	7400	1769700.461	-5044614.723	-3468263.172	SOAM
41706S001	CERRO TOLOLO	7401	1815517.984	-5213466.751	-3188002.435	SOAM
12612M001	ASKITES	7510	4353444.981	2082666.202	4156506.612	EURA
12615M001	KATAVIA	7512	4573400.150	2409322.152	3723881.741	EURA
12602M002	DIONYSOS	7515	4595216.497	2039435.255	3912629.486	EURA
12613M001	ROUMELLI	7517	4728694.799	2174373.304	3674572.889	EURA
12614M001	KARITSA	7520	4596042.705	1733476.750	4055720.810	EURA
12616M001	XRISOKALARIA	7525	4745949.631	1905705.838	3799169.011	EURA
20702M001	BAR GIYYORA	7530	4443967.447	3121945.321	3334694.360	AFRC
12734M004	MATERA	7541	4641990.391	1393042.219	4133231.815	EURA
12706M001	LAMPEDUSA	7544	5072832.080	1130886.151	3684836.901	EURA
12725M002	CAGLIARI	7545	4893398.163	772673.203	4004140.914	EURA
12711M002	BOLOGNA	7546	4461399.739	919566.793	4449510.477	EURA
12718M002	TRIESTE	7550	4336738.601	1071271.423	4537911.052	EURA
20801M001	DIYARBAKIR	7575	3848636.144	3251760.855	3898909.117	EURA
20803M001	MELENGICLICK	7580	4247620.634	2778638.852	3851607.506	EURA
20802M001	YOZGAT	7585	4029730.824	2802093.014	4062068.120	EURA
20804M001	YIGILCA	7587	4117362.157	2517076.690	4157679.011	EURA
14005M002	MONTE GENEROSO	7590	4390309.959	696751.958	4560835.892	EURA
10503S001	METSAHOVI	7805	2892595.542	1311807.871	5512610.305	EURA
14001S001	ZIMMERWALD	7810	4331283.660	567549.470	4633139.896	EURA
12205S001	BOROWIEC	7811	3738333.081	1148246.252	5021815.675	EURA
30101S001	HELWAN	7831	4728283.690	2879670.317	3156894.328	AFRC
13504S001	KOOTWIJK	7833	3899224.263	396742.775	5015073.925	EURA
14201S002	WETTZELL	7834	4075530.128	931781.195	4801618.168	EURA
10002S001	GRASSE	7835	4581691.856	556159.295	4389359.360	EURA
21605S001	SHANGHAI	7837	-2831087.686	4676203.450	3275172.944	EURA
21726M002	SIMOSATO	7838	-3822386.999	3699362.266	3507572.009	EURA
11001S002	GRAZ	7839	4194426.772	1162693.799	4647246.511	EURA
13212S001	HERSTMONCEUX	7840	4033463.889	23662.257	4924305.003	EURA
50103S007	CANBERRA	7843	-4446476.632	2678127.064	-3696251.846	INDI
21732S002	CHICHIJIMA	7844	-4491072.762	3481527.517	2887391.694	EURA
40439M004	OWENS VALLEY	7853	-2410421.037	-4477800.369	3838690.400	NOAM
40505M001	CABO SAN LUCAS	7882	-1997241.485	-5528041.181	2468355.139	PCFC
40506M001	ENSENADA	7883	-2406126.666	-4898368.621	3290336.420	PCFC
40442M005	FORT DAVIS	7885	-1330125.220	-5328526.482	3236150.293	NOAM
40433S010	QUINCY	7886	-2517242.330	-4198554.135	4076572.240	NOAM
40434M002	MOUNT HOPKINS	7888	-1936744.213	-5077639.093	3331993.917	NOAM
40412M001	AUSTIN	7890	-754161.987	-5459061.230	3200744.068	NOAM
40491M002	FLAGSTAFF	7891	-1923976.503	-4850871.629	3658574.813	NOAM
40492M001	VERNAL	7892	-1631484.583	-4589133.909	4106749.630	NOAM
40493S001	YUMA	7894	-2196777.769	-4887339.293	3448428.253	NOAM
40400M001	PASADENA	7896	-2493211.768	-4655229.695	3565574.536	PCFC
40451M111	WASHINGTON	7899	1131364.847	-4831168.778	3994128.956	NOAM
42202S001	AREQUIPA	7907	1942792.025	-5804077.643	-1796919.310	SOAM
40434S001	MOUNT HOPKINS	7921	-1936760.005	-5077707.156	3331922.598	NOAM
41604S001	NATAL	7929	5186468.039	-3653856.125	-654321.903	SOAM
12734S001	MATERA	7939	4641965.152	1393069.841	4133262.200	EURA
50103S003	CANBERRA	7943	-4447548.633	2677134.083	-3694996.900	INDI
13504S007	KOOTWIJK	8833	3899237.900	396769.084	5015055.242	EURA

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NETWORK NUMBER	SITE	CDP NUM.	X m	Y m	Z m	PLATE
14106S001	POTSDAM	1181	3800621.351	882005.302	5028859.461	EURA
12302S002	RIGA	1884	3183895.833	1421496.772	5322803.211	EURA
40701S001	SANTIAGO DE CU	1953	1474548.371	-5811242.392	2168944.983	NOAM
40436M003	SAN DIEGO	7035	-2428826.505	-4799754.382	3417267.013	PCFC
40433M001	QUINCY	7051	-2516893.058	-4198845.166	4076411.426	NOAM
41703M001	EASTER ISLAND	7061	-1884983.970	-5357606.742	-2892852.602	NAZC
40436M002	SAN DIEGO	7062	-2428825.748	-4799750.541	3417272.701	PCFC
40451M112	WASHINGTON	7063	1130714.889	-4831367.705	3994087.372	NOAM
42501M001	BERMUDA	7067	2308538.659	-4874079.810	3393628.557	NOAM
40417M002	PATRICK AFB	7069	917959.228	-5548370.258	2998776.633	NOAM
40442M006	FORT DAVIS	7080	-1330020.909	-5328401.884	3236480.854	NOAM
40438M001	BEAR LAKE	7082	-1735997.050	-4425048.246	4241430.499	NOAM
40442M001	FORT DAVIS	7086	-1330125.232	-5328526.637	3236150.317	NOAM
50107M001	YARRAGADEE	7090	-2389006.426	5043329.251	-3078525.418	INDI
40440M001	WESTFORD	7091	1492453.738	-4457278.682	4296815.849	NOAM
50505M001	KWAJALEIN ATOL	7092	-6143447.311	1364699.941	1034162.993	PCFC
50503M001	AMERICAN SAMOA	7096	-6100045.804	-996203.310	-1568976.400	PCFC
41703M002	EASTER ISLAND	7097	-1884984.552	-5357608.092	-2892853.344	NAZC
40451M105	WASHINGTON	7105	1130719.837	-4831350.545	3994106.499	NOAM
40433M002	QUINCY	7109	-2517234.639	-4198556.231	4076569.723	NOAM
40497M001	MONUMENT PEAK	7110	-2386277.825	-4802354.408	3444881.406	PCFC
40496M001	PLATTEVILLE	7112	-1240678.131	-4720463.382	4094480.629	NOAM
40439M001	OWENS VALLEY	7114	-2410422.312	-4477802.777	3838686.691	NOAM
40405M002	GOLDSTONE	7115	-2350861.536	-4655546.385	3660997.883	NOAM
40445M002	MAUI	7120	-5465998.365	-2404408.713	2242228.356	PCFC
92202M002	HUAHINE	7121	-5345865.163	-2958246.750	-1824623.842	PCFC
40504M001	MAZATLAN	7122	-1660089.242	-5619100.401	2511637.905	NOAM
92202M004	HUAHINE	7123	-5345866.678	-2958247.512	-1824624.386	PCFC
40451M114	WASHINGTON	7125	1130745.888	-4831368.048	3994077.112	NOAM
40445M001	MAUI	7210	-5466006.430	-2404428.090	2242187.439	PCFC
40497M002	MONUMENT PEAK	7220	-2386292.135	-4802347.491	3444880.884	PCFC
40405M006	GOLDSTONE	7265	-2356475.595	-4646618.296	3668424.765	NOAM
40405M013	GOLDSTONE	7288	-2356493.983	-4646607.670	3668426.700	NOAM
40499M002	RICHMOND	7295	961319.085	-5674090.929	2740489.581	NOAM
21736S001	ISHIGAKI SHIMA	7307	-3265754.230	4810000.634	2614265.476	EURA
41705S003	SANTIAGO	7400	1769700.459	-5044614.735	-3468263.156	SOAM
41706S001	CERRO TOLOLO	7401	1815517.980	-5213466.762	-3188002.418	SOAM
12612M001	ASKITES	7510	4353444.944	2082666.237	4156506.633	EURA
12615M001	KATAVIA	7512	4573400.113	2409322.187	3723881.764	EURA
12602M002	DIONYSOS	7515	4595216.461	2039435.291	3912629.509	EURA
12613M001	ROUMELLI	7517	4728694.764	2174373.341	3674572.913	EURA
12614M001	KARITSA	7520	4596042.670	1733476.786	4055720.834	EURA
12616M001	XRISOKALARIA	7525	4745949.597	1905705.874	3799169.035	EURA
20702M001	BAR GIYYORA	7530	4443967.398	3121945.351	3334694.396	AFRC
12734M004	MATERA	7541	4641990.359	1393042.256	4133231.839	EURA
12706M001	LAMPEDUSA	7544	5072832.052	1130886.189	3684836.928	EURA
12725M002	CAGLIARI	7545	4893398.135	772673.241	4004140.940	EURA
12711M002	BOLOGNA	7546	4461399.708	919566.828	4449510.501	EURA
12718M002	TRIESTE	7550	4336738.569	1071271.457	4537911.075	EURA
20801M001	DIYARBAKIR	7575	3848636.100	3251760.885	3898909.134	EURA

20803M001	MELENGICLICK	7580	4247620.593	2778638.885	3851607.526	EURA
20802M001	YOZGAT	7585	4029730.782	2802093.046	4062068.140	EURA
20804M001	YIGILCA	7587	4117362.116	2517076.722	4157679.031	EURA
14005M002	MONTE GENEROSO	7590	4390309.929	696751.993	4560835.916	EURA
10503S001	METSAHOVI	7805	2892595.502	1311807.897	5512610.320	EURA
14001S001	ZIMMERWALD	7810	4331283.630	567549.504	4633139.920	EURA
12205S001	BOROWIEC	7811	3738333.045	1148246.283	5021815.695	EURA
30101S001	HELWAN	7831	4728283.645	2879670.350	3156894.365	AFRC
13504S001	KOOTWIJK	7833	3899224.233	396742.807	5015073.946	EURA
14201S002	WETTZELL	7834	4075530.095	931781.228	4801618.190	EURA
10002S001	GRASSE	7835	4581691.828	556159.331	4389359.385	EURA
21605S001	SHANGHAI	7837	-2831087.736	4676203.435	3275172.923	EURA
21726M002	SIMOSATO	7838	-3822387.044	3699362.244	3507571.984	EURA
11001S002	GRAZ	7839	4194426.738	1162693.833	4647246.533	EURA
13212S001	HERSTMONCEUX	7840	4033463.861	23662.290	4924305.025	EURA
50103S007	CANBERRA	7843	-4446476.705	2678127.059	-3696251.762	INDI
21732S002	CHICHIJIMA	7844	-4491072.802	3481527.489	2887391.666	EURA
40439M004	OWENS VALLEY	7853	-2410421.070	-4477800.372	3838690.376	NOAM
40505M001	CABO SAN LUCAS	7882	-1997241.585	-5528041.125	2468355.184	PCFC
40506M001	ENSENADA	7883	-2406126.742	-4898368.552	3290336.467	PCFC
40442M005	FORT DAVIS	7885	-1330125.248	-5328526.486	3236150.276	NOAM
40433S010	QUINCY	7886	-2517242.364	-4198554.138	4076572.215	NOAM
40434M002	MOUNT HOPKINS	7888	-1936744.242	-5077639.096	3331993.895	NOAM
40412M001	AUSTIN	7890	-754162.015	-5459061.233	3200744.056	NOAM
40491M002	FLAGSTAFF	7891	-1923976.535	-4850871.632	3658574.792	NOAM
40492M001	VERNAL	7892	-1631484.618	-4589133.913	4106749.612	NOAM
40493S001	YUMA	7894	-2196777.799	-4887339.296	3448428.230	NOAM
40400M001	PASADENA	7896	-2493211.835	-4655229.623	3565574.583	PCFC
40451M111	WASHINGTON	7899	1131364.812	-4831168.784	3994128.959	NOAM
42202S001	AREQUIPA	7907	1942792.014	-5804077.652	-1796919.291	SOAM
40434S001	MOUNT HOPKINS	7921	-1936760.034	-5077707.159	3331922.576	NOAM
41604S001	NATAL	7929	5186468.030	-3653856.142	-654321.877	SOAM
12734S001	MATERA	7939	4641965.120	1393069.878	4133262.224	EURA
50103S003	CANBERRA	7943	-4447548.705	2677134.078	-3694996.816	INDI
13504S007	KOOTWIJK	8833	3899237.870	396769.116	5015055.263	EURA

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NETWORK NUMBER	SITE	CDP NUM.	X m	Y m	Z m	PLATE
14106S001	POTSDAM	1181	3800621.317	882005.333	5028859.481	EURA
12302S002	RIGA	1884	3183895.794	1421496.799	5322803.227	EURA
40701S001	SANTIAGO DE CU	1953	1474548.351	-5811242.395	2168944.989	NOAM
40436M003	SAN DIEGO	7035	-2428826.577	-4799754.312	3417267.060	PCFC
40433M001	QUINCY	7051	-2516893.093	-4198845.170	4076411.401	NOAM
41703M001	EASTER ISLAND	7061	-1884983.798	-5357606.793	-2892852.620	NAZC
40436M002	SAN DIEGO	7062	-2428825.820	-4799750.471	3417272.748	PCFC
40451M112	WASHINGTON	7063	1130714.855	-4831367.710	3994087.376	NOAM
42501M001	BERMUDA	7067	2308538.630	-4874079.816	3393628.570	NOAM
40417M002	PATRICK AFB	7069	917959.201	-5548370.262	2998776.634	NOAM
40442M006	FORT DAVIS	7080	-1330020.938	-5328401.887	3236480.837	NOAM

40438M001	BEAR LAKE	7082	-1735997.086	-4425048.250	4241430.480	NOAM
40442M001	FORT DAVIS	7086	-1330125.261	-5328526.640	3236150.300	NOAM
50107M001	YARRAGADEE	7090	-2389006.529	5043329.267	-3078525.312	INDI
40440M001	WESTFORD	7091	1492453.702	-4457278.688	4296815.856	NOAM
50505M001	KWAJALEIN ATOL	7092	-6143447.269	1364700.086	1034163.054	PCFC
50503M001	AMERICAN SAMOA	7096	-6100045.844	-996203.178	-1568976.330	PCFC
41703M002	EASTER ISLAND	7097	-1884984.380	-5357608.143	-2892853.362	NAZC
40451M105	WASHINGTON	7105	1130719.803	-4831350.550	3994106.503	NOAM
40433M002	QUINCY	7109	-2517234.674	-4198556.235	4076569.698	NOAM
40497M001	MONUMENT PEAK	7110	-2386277.898	-4802354.339	3444881.452	PCFC
40496M001	PLATTEVILLE	7112	-1240678.166	-4720463.386	4094480.614	NOAM
40439M001	OWENS VALLEY	7114	-2410422.344	-4477802.780	3838686.667	NOAM
40405M002	GOLDSTONE	7115	-2350861.567	-4655546.388	3660997.859	NOAM
40445M002	MAUI	7120	-5465998.396	-2404408.578	2242228.426	PCFC
92202M002	HUAHINE	7121	-5345865.250	-2958246.636	-1824623.771	PCFC
40504M001	MAZATLAN	7122	-1660089.265	-5619100.403	2511637.885	NOAM
92202M004	HUAHINE	7123	-5345866.765	-2958247.398	-1824624.315	PCFC
40451M114	WASHINGTON	7125	1130745.854	-4831368.053	3994077.116	NOAM
40445M001	MAUI	7210	-5466006.461	-2404427.955	2242187.509	PCFC
40497M002	MONUMENT PEAK	7220	-2386292.208	-4802347.422	3444880.930	PCFC
40405M006	GOLDSTONE	7265	-2356475.626	-4646618.299	3668424.741	NOAM
40405M013	GOLDSTONE	7288	-2356494.014	-4646607.673	3668426.676	NOAM
40499M002	RICHMOND	7295	961319.061	-5674090.933	2740489.582	NOAM
21736S001	ISHIGAKI SHIMA	7307	-3265754.278	4810000.615	2614265.452	EURA
41705S003	SANTIAGO	7400	1769700.456	-5044614.747	-3468263.139	SOAM
41706S001	CERRO TOLOLO	7401	1815517.976	-5213466.774	-3188002.401	SOAM
12612M001	ASKITES	7510	4353444.907	2082666.271	4156506.655	EURA
12615M001	KATAVIA	7512	4573400.076	2409322.223	3723881.786	EURA
12602M002	DIONYSOS	7515	4595216.426	2039435.326	3912629.533	EURA
12613M001	ROUMELLI	7517	4728694.729	2174373.377	3674572.937	EURA
12614M001	KARITSA	7520	4596042.636	1733476.822	4055720.858	EURA
12616M001	XRISOKALARIA	7525	4745949.562	1905705.911	3799169.059	EURA
20702M001	BAR GIYYORA	7530	4443967.349	3121945.382	3334694.432	AFRC
12734M004	MATERA	7541	4641990.327	1393042.292	4133231.863	EURA
12706M001	LAMPEDUSA	7544	5072832.024	1130886.228	3684836.955	EURA
12725M002	CAGLIARI	7545	4893398.108	772673.279	4004140.966	EURA
12711M002	BOLOGNA	7546	4461399.677	919566.864	4449510.525	EURA
12718M002	TRIESTE	7550	4336738.536	1071271.492	4537911.098	EURA
20801M001	DIYARBAKIR	7575	3848636.056	3251760.916	3898909.152	EURA
20803M001	MELENGICLICK	7580	4247620.553	2778638.918	3851607.547	EURA
20802M001	YOZGAT	7585	4029730.741	2802093.078	4062068.159	EURA
20804M001	YIGILCA	7587	4117362.076	2517076.755	4157679.051	EURA
14005M002	MONTE GENEROSO	7590	4390309.899	696752.028	4560835.939	EURA
10503S001	METSAHOVI	7805	2892595.463	1311807.923	5512610.334	EURA
14001S001	ZIMMERWALD	7810	4331283.601	567549.539	4633139.943	EURA
12205S001	BOROWIEC	7811	3738333.010	1148246.314	5021815.714	EURA
30101S001	HELWAN	7831	4728283.600	2879670.384	3156894.403	AFRC
13504S001	KOOTWIJK	7833	3899224.202	396742.840	5015073.968	EURA
14201S002	WETTZELL	7834	4075530.062	931781.261	4801618.212	EURA
10002S001	GRASSE	7835	4581691.800	556159.367	4389359.409	EURA
21605S001	SHANGHAI	7837	-2831087.786	4676203.419	3275172.903	EURA
21726M002	SIMOSATO	7838	-3822387.089	3699362.221	3507571.959	EURA
11001S002	GRAZ	7839	4194426.704	1162693.867	4647246.555	EURA
13212S001	HERSTMONCEUX	7840	4033463.834	23662.323	4924305.047	EURA
50103S007	CANBERRA	7843	-4446476.777	2678127.055	-3696251.678	INDI

21732S002	CHICHIJIMA	7844	-4491072.842	3481527.461	2887391.637	EURA
40439M004	OWENS VALLEY	7853	-2410421.102	-4477800.375	3838690.352	NOAM
40505M001	CABO SAN LUCAS	7882	-1997241.684	-5528041.068	2468355.230	PCFC
40506M001	ENSENADA	7883	-2406126.818	-4898368.482	3290336.514	PCFC
40442M005	FORT DAVIS	7885	-1330125.277	-5328526.489	3236150.259	NOAM
40433S010	QUINCY	7886	-2517242.399	-4198554.142	4076572.190	NOAM
40434M002	MOUNT HOPKINS	7888	-1936744.271	-5077639.099	3331993.874	NOAM
40412M001	AUSTIN	7890	-754162.043	-5459061.236	3200744.043	NOAM
40491M002	FLAGSTAFF	7891	-1923976.566	-4850871.635	3658574.771	NOAM
40492M001	VERNAL	7892	-1631484.653	-4589133.917	4106749.594	NOAM
40493S001	YUMA	7894	-2196777.829	-4887339.299	3448428.207	NOAM
40400M001	PASADENA	7896	-2493211.903	-4655229.551	3565574.630	PCFC
40451M111	WASHINGTON	7899	1131364.778	-4831168.789	3994128.963	NOAM
42202S001	AREQUIPA	7907	1942792.003	-5804077.661	-1796919.273	SOAM
40434S001	MOUNT HOPKINS	7921	-1936760.063	-5077707.162	3331922.555	NOAM
41604S001	NATAL	7929	5186468.022	-3653856.159	-654321.850	SOAM
12734S001	MATERA	7939	4641965.088	1393069.914	4133262.248	EURA
50103S003	CANBERRA	7943	-4447548.778	2677134.074	-3694996.732	INDI
13504S007	KOOTWIJK	8833	3899237.839	396769.149	5015055.285	EURA

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NETWORK NUMBER	SITE	CDP NUM.	X m	Y m	Z m	PLATE
14106S001	POTSDAM	1181	3800621.283	882005.364	5028859.501	EURA
12302S002	RIGA	1884	3183895.755	1421496.827	5322803.243	EURA
40701S001	SANTIAGO DE CU	1953	1474548.331	-5811242.398	2168944.994	NOAM
40436M003	SAN DIEGO	7035	-2428826.650	-4799754.242	3417267.107	PCFC
40433M001	QUINCY	7051	-2516893.127	-4198845.173	4076411.376	NOAM
41703M001	EASTER ISLAND	7061	-1884983.626	-5357606.843	-2892852.638	NAZC
40436M002	SAN DIEGO	7062	-2428825.893	-4799750.401	3417272.795	PCFC
40451M112	WASHINGTON	7063	1130714.821	-4831367.715	3994087.379	NOAM
42501M001	BERMUDA	7067	2308538.600	-4874079.821	3393628.582	NOAM
40417M002	PATRICK AFB	7069	917959.174	-5548370.266	2998776.635	NOAM
40442M006	FORT DAVIS	7080	-1330020.966	-5328401.890	3236480.821	NOAM
40438M001	BEAR LAKE	7082	-1735997.122	-4425048.254	4241430.461	NOAM
40442M001	FORT DAVIS	7086	-1330125.289	-5328526.643	3236150.284	NOAM
50107M001	YARRAGADEE	7090	-2389006.632	5043329.283	-3078525.206	INDI
40440M001	WESTFORD	7091	1492453.665	-4457278.694	4296815.863	NOAM
50505M001	KWAJALEIN ATOL	7092	-6143447.226	1364700.231	1034163.115	PCFC
50503M001	AMERICAN SAMOA	7096	-6100045.884	-996203.045	-1568976.259	PCFC
41703M002	EASTER ISLAND	7097	-1884984.208	-5357608.193	-2892853.380	NAZC
40451M105	WASHINGTON	7105	1130719.769	-4831350.555	3994106.506	NOAM
40433M002	QUINCY	7109	-2517234.708	-4198556.238	4076569.673	NOAM
40497M001	MONUMENT PEAK	7110	-2386277.970	-4802354.270	3444881.499	PCFC
40496M001	PLATTEVILLE	7112	-1240678.201	-4720463.390	4094480.599	NOAM
40439M001	OWENS VALLEY	7114	-2410422.377	-4477802.783	3838686.642	NOAM
40405M002	GOLDSTONE	7115	-2350861.599	-4655546.391	3660997.835	NOAM
40445M002	MAUI	7120	-5465998.427	-2404408.443	2242228.496	PCFC
92202M002	HUAHINE	7121	-5345865.338	-2958246.521	-1824623.700	PCFC
40504M001	MAZATLAN	7122	-1660089.287	-5619100.405	2511637.865	NOAM

92202M004	HUAHINE	7123	-5345866.853	-2958247.283	-1824624.244	PCFC
40451M114	WASHINGTON	7125	1130745.820	-4831368.058	3994077.119	NOAM
40445M001	MAUI	7210	-5466006.492	-2404427.820	2242187.579	PCFC
40497M002	MONUMENT PEAK	7220	-2386292.280	-4802347.353	3444880.977	PCFC
40405M006	GOLDSTONE	7265	-2356475.658	-4646618.302	3668424.717	NOAM
40405M013	GOLDSTONE	7288	-2356494.046	-4646607.676	3668426.652	NOAM
40499M002	RICHMOND	7295	961319.036	-5674090.937	2740489.583	NOAM
21736S001	ISHIGAKI SHIMA	7307	-3265754.325	4810000.595	2614265.429	EURA
41705S003	SANTIAGO	7400	1769700.454	-5044614.759	-3468263.123	SOAM
41706S001	CERRO TOLOLO	7401	1815517.973	-5213466.786	-3188002.384	SOAM
12612M001	ASKITES	7510	4353444.869	2082666.305	4156506.677	EURA
12615M001	KATAVIA	7512	4573400.039	2409322.258	3723881.809	EURA
12602M002	DIONYSOS	7515	4595216.390	2039435.362	3912629.556	EURA
12613M001	ROUMELLI	7517	4728694.693	2174373.413	3674572.961	EURA
12614M001	KARITSA	7520	4596042.602	1733476.858	4055720.881	EURA
12616M001	XRISOKALARIA	7525	4745949.528	1905705.947	3799169.083	EURA
20702M001	BAR GIYYORA	7530	4443967.301	3121945.413	3334694.468	AFRC
12734M004	MATERA	7541	4641990.294	1393042.328	4133231.887	EURA
12706M001	LAMPEDUSA	7544	5072831.996	1130886.267	3684836.982	EURA
12725M002	CAGLIARI	7545	4893398.080	772673.317	4004140.992	EURA
12711M002	BOLOGNA	7546	4461399.646	919566.899	4449510.549	EURA
12718M002	TRIESTE	7550	4336738.504	1071271.526	4537911.121	EURA
20801M001	DIYARBAKIR	7575	3848636.012	3251760.946	3898909.170	EURA
20803M001	MELENGICLICK	7580	4247620.513	2778638.952	3851607.568	EURA
20802M001	YOZGAT	7585	4029730.699	2802093.110	4062068.178	EURA
20804M001	YIGILCA	7587	4117362.036	2517076.788	4157679.071	EURA
14005M002	MONTE GENEROSO	7590	4390309.868	696752.063	4560835.963	EURA
10503S001	METSAHOVI	7805	2892595.423	1311807.948	5512610.349	EURA
14001S001	ZIMMERWALD	7810	4331283.571	567549.573	4633139.966	EURA
12205S001	BOROWIEC	7811	3738332.974	1148246.345	5021815.734	EURA
30101S001	HELWAN	7831	4728283.554	2879670.417	3156894.440	AFRC
13504S001	KOOTWIJK	7833	3899224.172	396742.872	5015073.989	EURA
14201S002	WETTZELL	7834	4075530.029	931781.294	4801618.233	EURA
10002S001	GRASSE	7835	4581691.772	556159.404	4389359.434	EURA
21605S001	SHANGHAI	7837	-2831087.837	4676203.403	3275172.882	EURA
21726M002	SIMOSATO	7838	-3822387.134	3699362.199	3507571.934	EURA
11001S002	GRAZ	7839	4194426.671	1162693.900	4647246.577	EURA
13212S001	HERSTMONCEUX	7840	4033463.807	23662.355	4924305.070	EURA
50103S007	CANBERRA	7843	-4446476.850	2678127.050	-3696251.593	INDI
21732S002	CHICHIJIMA	7844	-4491072.882	3481527.434	2887391.608	EURA
40439M004	OWENS VALLEY	7853	-2410421.135	-4477800.378	3838690.327	NOAM
40505M001	CABO SAN LUCAS	7882	-1997241.784	-5528041.012	2468355.275	PCFC
40506M001	ENSENADA	7883	-2406126.895	-4898368.413	3290336.561	PCFC
40442M005	FORT DAVIS	7885	-1330125.305	-5328526.492	3236150.243	NOAM
40433S010	QUINCY	7886	-2517242.433	-4198554.145	4076572.165	NOAM
40434M002	MOUNT HOPKINS	7888	-1936744.300	-5077639.102	3331993.853	NOAM
40412M001	AUSTIN	7890	-754162.071	-5459061.240	3200744.031	NOAM
40491M002	FLAGSTAFF	7891	-1923976.598	-4850871.638	3658574.750	NOAM
40492M001	VERNAL	7892	-1631484.688	-4589133.921	4106749.575	NOAM
40493S001	YUMA	7894	-2196777.859	-4887339.302	3448428.183	NOAM
40400M001	PASADENA	7896	-2493211.971	-4655229.478	3565574.677	PCFC
40451M111	WASHINGTON	7899	1131364.744	-4831168.794	3994128.966	NOAM
42202S001	AREQUIPA	7907	1942791.992	-5804077.671	-1796919.254	SOAM
40434S001	MOUNT HOPKINS	7921	-1936760.092	-5077707.165	3331922.534	NOAM
41604S001	NATAL	7929	5186468.013	-3653856.176	-654321.824	SOAM

12734S001	MATERA	7939	4641965.055	1393069.950	4133262.272	EURA
50103S003	CANBERRA	7943	-4447548.851	2677134.069	-3694996.647	INDI
13504S007	KOOTWIJK	8833	3899237.809	396769.181	5015055.306	EURA

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POSITIONS 1984.0

NETWORK NUMBER	SITE	CDP NUM.	X m	Y m	Z m	PLATE
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14106S001	POTSDAM	1181	3800621.359	882005.322	5028859.458	EURA
12337S003	SIMEIS	1873	3783902.683	2551404.917	4441257.593	EURA
12302S002	RIGA	1884	3183895.983	1421496.847	5322803.338	EURA
12337S006	KATZIVELY	1893	3785945.047	2550780.468	4439461.335	EURA
40701S001	SANTIAGO DE CU	1953	1474547.376	-5811242.712	2168944.396	NOAM
40436M003	SAN DIEGO	7035	-2428826.424	-4799754.390	3417267.135	PCFC
40433M001	QUINCY	7051	-2516893.004	-4198845.139	4076411.517	NOAM
40436M002	SAN DIEGO	7062	-2428825.693	-4799750.597	3417272.773	PCFC
40451M112	WASHINGTON	7063	1130714.978	-4831367.718	3994087.351	NOAM
40417M002	PATRICK AFB	7069	917958.726	-5548370.464	2998776.446	NOAM
40442M006	FORT DAVIS	7080	-1330020.866	-5328401.877	3236480.881	NOAM
40438M001	BEAR LAKE	7082	-1735997.064	-4425048.368	4241430.595	NOAM
40442M001	FORT DAVIS	7086	-1330125.198	-5328526.622	3236150.341	NOAM
50107M001	YARRAGADEE	7090	-2389006.327	5043329.245	-3078525.534	INDI
40440M001	WESTFORD	7091	1492453.815	-4457278.717	4296815.841	NOAM
50505S001	KWAJALEIN ATOL	7092	-6143450.397	1364700.473	1034163.552	PCFC
50503S002	AMERICAN SAMOA	7096	-6100048.913	-996203.920	-1568977.124	PCFC
41703M002	EASTER ISLAND	7097	-1884984.589	-5357608.092	-2892853.405	NAZC
40451M102	WASHINGTON	7102	1130686.799	-4831353.088	3994110.915	NOAM
40451M103	WASHINGTON	7103	1130685.818	-4831348.703	3994116.356	NOAM
40451M105	WASHINGTON	7105	1130719.884	-4831350.542	3994106.506	NOAM
40433M002	QUINCY	7109	-2517234.592	-4198556.239	4076569.715	NOAM
40497M001	MONUMENT PEAK	7110	-2386277.760	-4802354.435	3444881.418	PCFC
40496M001	PLATTEVILLE	7112	-1240678.082	-4720463.387	4094480.678	NOAM
40439M001	OWENS VALLEY	7114	-2410422.265	-4477802.706	3838686.763	NOAM
40405M002	GOLDSTONE	7115	-2350861.496	-4655546.365	3660997.940	NOAM
40445M002	MAUI	7120	-5465998.340	-2404408.788	2242228.351	PCFC
92202M002	HUAHINE	7121	-5345865.085	-2958246.908	-1824623.873	PCFC
40504M001	MAZATLAN	7122	-1660089.231	-5619100.397	2511637.921	NOAM
92202M004	HUAHINE	7123	-5345866.601	-2958247.791	-1824624.285	PCFC
40451M114	WASHINGTON	7125	1130745.944	-4831368.046	3994077.119	NOAM
40445M001	MAUI	7210	-5466006.415	-2404428.246	2242187.391	PCFC
40497M002	MONUMENT PEAK	7220	-2386292.061	-4802347.560	3444880.837	PCFC
40405M006	GOLDSTONE	7265	-2356475.555	-4646618.298	3668424.818	NOAM
40405M013	GOLDSTONE	7288	-2356493.939	-4646607.679	3668426.718	NOAM
40499M002	RICHMOND	7295	961319.112	-5674090.949	2740489.580	NOAM
41705M001	SANTIAGO	7400	1769699.864	-5044612.883	-3468260.053	SOAM
41706M001	CERRO TOLOLO	7401	1815517.154	-5213464.859	-3187999.384	SOAM
12612M001	ASKITES	7510	4353444.975	2082666.211	4156506.638	EURA
12615M001	KATAVIA	7512	4573399.998	2409322.165	3723881.865	EURA
12602M002	DIONYSOS	7515	4595216.421	2039435.286	3912629.549	EURA
12613M001	ROUMELLI	7517	4728694.658	2174373.319	3674573.045	EURA
12614M001	KARITSA	7520	4596042.666	1733476.822	4055720.807	EURA

12616M001	XRISOKALARIA	7525	4745949.527	1905705.932	3799169.094	EURA
20702S001	BAR GIYYORA	7530	4443968.427	3121946.811	3334695.475	AFRC
12734M005	MATERA	7540	4641984.637	1393057.689	4133233.460	EURA
12734M004	MATERA	7541	4641990.350	1393042.261	4133231.837	EURA
12706M001	LAMPEDUSA	7544	5072832.025	1130886.188	3684836.972	EURA
12725M002	CAGLIARI	7545	4893398.153	772673.200	4004140.940	EURA
12711M002	BOLOGNA	7546	4461399.723	919566.761	4449510.508	EURA
12718M002	TRIESTE	7550	4336738.700	1071271.395	4537910.987	EURA
20801M001	DIYARBAKIR	7575	3848636.077	3251760.862	3898909.192	EURA
20803M001	MELENGICLICK	7580	4247620.536	2778638.854	3851607.537	EURA
20802M001	YOZGAT	7585	4029730.660	2802093.325	4062067.990	EURA
20804M001	YIGILCA	7587	4117362.118	2517076.740	4157679.017	EURA
14005M002	MONTE GENEROSO	7590	4390309.952	696751.931	4560835.865	EURA
14201M004	WETTZELL	7596	4075582.717	931837.143	4801559.909	EURA
14001S001	ZIMMERWALD	7810	4331283.651	567549.451	4633139.930	EURA
12205S001	BOROWIEC	7811	3738332.877	1148246.375	5021815.738	EURA
30101S001	HELWAN	7831	4728283.559	2879670.437	3156894.248	AFRC
14201S002	WETTZELL	7834	4075530.131	931781.189	4801618.193	EURA
10002S001	GRASSE	7835	4581691.829	556159.287	4389359.346	EURA
21726S001	SIMOSATO	7838	-3822388.307	3699363.456	3507573.125	EURA
11001S002	GRAZ	7839	4194426.759	1162693.803	4647246.505	EURA
13212S001	HERSTMONCEUX	7840	4033463.890	23662.264	4924305.017	EURA
50103S007	CANBERRA	7843	-4446476.677	2678126.838	-3696251.947	INDI
40439M004	OWENS VALLEY	7853	-2410421.056	-4477800.410	3838690.395	NOAM
40505M001	CABO SAN LUCAS	7882	-1997241.489	-5528041.346	2468355.158	PCFC
40506M001	ENSENADA	7883	-2406126.638	-4898368.557	3290336.487	PCFC
40442M005	FORT DAVIS	7885	-1330125.240	-5328526.512	3236150.321	NOAM
40433M005	QUINCY	7886	-2517242.228	-4198550.981	4076570.334	NOAM
40434M002	MOUNT HOPKINS	7888	-1936744.274	-5077639.072	3331993.940	NOAM
40412M001	AUSTIN	7890	-754161.791	-5459061.373	3200743.969	NOAM
40491M002	FLAGSTAFF	7891	-1923976.502	-4850871.552	3658574.906	NOAM
40492M001	VERNAL	7892	-1631484.604	-4589133.923	4106749.630	NOAM
40493M001	YUMA	7894	-2196777.641	-4887337.107	3448425.439	NOAM
40400M001	PASADENA	7896	-2493211.738	-4655229.601	3565574.591	PCFC
40451M111	WASHINGTON	7899	1131364.899	-4831168.844	3994128.954	NOAM
42202S001	AREQUIPA	7907	1942791.976	-5804077.674	-1796919.315	SOAM
40451M117	WASHINGTON	7920	1130742.000	-4831369.797	3994076.104	NOAM
40434S001	MOUNT HOPKINS	7921	-1936760.205	-5077707.107	3331923.039	NOAM
41604S001	NATAL	7929	5186467.796	-3653856.484	-654321.753	SOAM
12734S001	MATERA	7939	4641965.147	1393069.860	4133262.187	EURA
50103S003	CANBERRA	7943	-4447548.609	2677134.146	-3694996.649	INDI
13504M002	KOOTWIJK	8833	3899237.890	396769.091	5015055.249	EURA

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NETWORK NUMBER	SITE	CDP NUM.	X m	Y m	Z m	PLATE
14106S001	POTSDAM	1181	3800621.345	882005.314	5028859.470	EURA
12337S003	SIMEIS	1873	3783902.641	2551404.947	4441257.611	EURA
12302S002	RIGA	1884	3183895.944	1421496.875	5322803.354	EURA
12337S006	KATZIVELY	1893	3785945.005	2550780.498	4439461.353	EURA

40701S001	SANTIAGO DE CU	1953	1474547.738	-5811242.546	2168944.595	NOAM
40436M003	SAN DIEGO	7035	-2428826.496	-4799754.320	3417267.182	PCFC
40433M001	QUINCY	7051	-2516893.038	-4198845.143	4076411.492	NOAM
40436M002	SAN DIEGO	7062	-2428825.771	-4799750.576	3417272.747	PCFC
40451M112	WASHINGTON	7063	1130714.944	-4831367.723	3994087.355	NOAM
40417M002	PATRICK AFB	7069	917958.700	-5548370.468	2998776.447	NOAM
40442M006	FORT DAVIS	7080	-1330020.895	-5328401.880	3236480.865	NOAM
40438M001	BEAR LAKE	7082	-1735997.110	-4425048.354	4241430.590	NOAM
40442M001	FORT DAVIS	7086	-1330125.232	-5328526.625	3236150.322	NOAM
50107M001	YARRAGADEE	7090	-2389006.420	5043329.265	-3078525.429	INDI
40440M001	WESTFORD	7091	1492453.789	-4457278.708	4296815.858	NOAM
50505S001	KWAJALEIN ATOL	7092	-6143450.354	1364700.618	1034163.613	PCFC
50503S002	AMERICAN SAMOA	7096	-6100048.953	-996203.787	-1568977.054	PCFC
41703M002	EASTER ISLAND	7097	-1884984.479	-5357608.134	-2892853.398	NAZC
40451M102	WASHINGTON	7102	1130686.795	-4831353.118	3994110.881	NOAM
40451M103	WASHINGTON	7103	1130685.784	-4831348.708	3994116.360	NOAM
40451M105	WASHINGTON	7105	1130719.851	-4831350.551	3994106.505	NOAM
40433M002	QUINCY	7109	-2517234.635	-4198556.227	4076569.701	NOAM
40497M001	MONUMENT PEAK	7110	-2386277.832	-4802354.391	3444881.430	PCFC
40496M001	PLATTEVILLE	7112	-1240678.121	-4720463.417	4094480.632	NOAM
40439M001	OWENS VALLEY	7114	-2410422.303	-4477802.697	3838686.748	NOAM
40405M002	GOLDSTONE	7115	-2350861.528	-4655546.368	3660997.916	NOAM
40445M002	MAUI	7120	-5465998.370	-2404408.654	2242228.421	PCFC
92202M002	HUAHINE	7121	-5345865.173	-2958246.793	-1824623.802	PCFC
40504M001	MAZATLAN	7122	-1660089.255	-5619100.399	2511637.902	NOAM
92202M004	HUAHINE	7123	-5345866.676	-2958247.657	-1824624.281	PCFC
40451M114	WASHINGTON	7125	1130745.910	-4831368.051	3994077.123	NOAM
40445M001	MAUI	7210	-5466006.459	-2404428.103	2242187.436	PCFC
40497M002	MONUMENT PEAK	7220	-2386292.134	-4802347.490	3444880.883	PCFC
40405M006	GOLDSTONE	7265	-2356475.586	-4646618.301	3668424.794	NOAM
40405M013	GOLDSTONE	7288	-2356493.978	-4646607.681	3668426.691	NOAM
40499M002	RICHMOND	7295	961319.088	-5674090.952	2740489.581	NOAM
41705M001	SANTIAGO	7400	1769699.861	-5044612.895	-3468260.036	SOAM
41706M001	CERRO TOLOLO	7401	1815517.202	-5213464.846	-3187999.379	SOAM
12612M001	ASKITES	7510	4353444.944	2082666.247	4156506.653	EURA
12615M001	KATAVIA	7512	4573400.020	2409322.186	3723881.824	EURA
12602M002	DIONYSOS	7515	4595216.425	2039435.303	3912629.537	EURA
12613M001	ROUMELLI	7517	4728694.677	2174373.345	3674573.004	EURA
12614M001	KARITSA	7520	4596042.652	1733476.788	4055720.838	EURA
12616M001	XRISOKALARIA	7525	4745949.539	1905705.939	3799169.077	EURA
20702S001	BAR GIYYORA	7530	4443968.395	3121946.854	3334695.476	AFRC
12734M005	MATERA	7540	4641984.604	1393057.725	4133233.484	EURA
12734M004	MATERA	7541	4641990.317	1393042.297	4133231.861	EURA
12706M001	LAMPEDUSA	7544	5072832.015	1130886.215	3684836.978	EURA
12725M002	CAGLIARI	7545	4893398.132	772673.244	4004140.957	EURA
12711M002	BOLOGNA	7546	4461399.692	919566.797	4449510.531	EURA
12718M002	TRIESTE	7550	4336738.658	1071271.421	4537911.020	EURA
20801M001	DIYARBAKIR	7575	3848636.021	3251760.882	3898909.230	EURA
20803M001	MELENGICLICK	7580	4247620.508	2778638.905	3851607.532	EURA
20802M001	YOZGAT	7585	4029730.656	2802093.303	4062068.009	EURA
20804M001	YIGILCA	7587	4117362.064	2517076.787	4157679.041	EURA
14005M002	MONTE GENEROSO	7590	4390309.922	696751.966	4560835.888	EURA
14201M004	WETTZELL	7596	4075582.684	931837.176	4801559.930	EURA
14001S001	ZIMMERWALD	7810	4331283.639	567549.498	4633139.936	EURA
12205S001	BOROWIEC	7811	3738332.842	1148246.406	5021815.758	EURA

30101S001	HELWAN	7831	4728283.513	2879670.471	3156894.286	AFRC
14201S002	WETTZEILL	7834	4075530.110	931781.224	4801618.204	EURA
10002S001	GRASSE	7835	4581691.811	556159.325	4389359.361	EURA
21726S001	SIMOSATO	7838	-3822388.304	3699363.459	3507573.125	EURA
11001S002	GRAZ	7839	4194426.732	1162693.835	4647246.522	EURA
13212S001	HERSTMONCEUX	7840	4033463.876	23662.290	4924305.029	EURA
50103S007	CANBERRA	7843	-4446476.750	2678126.901	-3696251.813	INDI
40439M004	OWENS VALLEY	7853	-2410421.089	-4477800.413	3838690.370	NOAM
40505M001	CABO SAN LUCAS	7882	-1997241.587	-5528041.286	2468355.214	PCFC
40506M001	ENSENADA	7883	-2406126.715	-4898368.488	3290336.534	PCFC
40442M005	FORT DAVIS	7885	-1330125.269	-5328526.515	3236150.305	NOAM
40433M005	QUINCY	7886	-2517242.166	-4198550.917	4076570.438	NOAM
40434M002	MOUNT HOPKINS	7888	-1936744.303	-5077639.075	3331993.918	NOAM
40412M001	AUSTIN	7890	-754161.819	-5459061.377	3200743.956	NOAM
40491M002	FLAGSTAFF	7891	-1923976.533	-4850871.556	3658574.885	NOAM
40492M001	VERNAL	7892	-1631484.687	-4589133.933	4106749.586	NOAM
40493M001	YUMA	7894	-2196777.671	-4887337.110	3448425.416	NOAM
40400M001	PASADENA	7896	-2493211.805	-4655229.528	3565574.638	PCFC
40451M111	WASHINGTON	7899	1131364.865	-4831168.849	3994128.958	NOAM
42202S001	AREQUIPA	7907	1942792.007	-5804077.671	-1796919.294	SOAM
40451M117	WASHINGTON	7920	1130741.966	-4831369.802	3994076.108	NOAM
40434S001	MOUNT HOPKINS	7921	-1936760.234	-5077707.110	3331923.017	NOAM
41604S001	NATAL	7929	5186467.706	-3653856.675	-654321.409	SOAM
12734S001	MATERA	7939	4641965.113	1393069.888	4133262.216	EURA
50103S003	CANBERRA	7943	-4447548.681	2677134.142	-3694996.565	INDI
13504M002	KOOTWIJK	8833	3899237.889	396769.125	5015055.246	EURA

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NETWORK NUMBER	SITE	CDP NUM.	X m	Y m	Z m	PLATE
14106S001	POTSDAM	1181	3800621.330	882005.307	5028859.482	EURA
12337S003	SIMEIS	1873	3783902.599	2551404.978	4441257.629	EURA
12302S002	RIGA	1884	3183895.905	1421496.902	5322803.370	EURA
12337S006	KATZIVELY	1893	3785944.963	2550780.529	4439461.371	EURA
40701S001	SANTIAGO DE CU	1953	1474548.100	-5811242.379	2168944.794	NOAM
40436M003	SAN DIEGO	7035	-2428826.569	-4799754.250	3417267.229	PCFC
40433M001	QUINCY	7051	-2516893.073	-4198845.146	4076411.467	NOAM
40436M002	SAN DIEGO	7062	-2428825.850	-4799750.554	3417272.722	PCFC
40451M112	WASHINGTON	7063	1130714.910	-4831367.728	3994087.358	NOAM
40417M002	PATRICK AFB	7069	917958.673	-5548370.472	2998776.448	NOAM
40442M006	FORT DAVIS	7080	-1330020.923	-5328401.883	3236480.848	NOAM
40438M001	BEAR LAKE	7082	-1735997.156	-4425048.340	4241430.586	NOAM
40442M001	FORT DAVIS	7086	-1330125.266	-5328526.628	3236150.303	NOAM
50107M001	YARRAGADEE	7090	-2389006.514	5043329.285	-3078525.324	INDI
40440M001	WESTFORD	7091	1492453.763	-4457278.700	4296815.876	NOAM
50505S001	KWAJALEIN ATOL	7092	-6143450.312	1364700.763	1034163.674	PCFC
50503S002	AMERICAN SAMOA	7096	-6100048.993	-996203.654	-1568976.983	PCFC
41703M002	EASTER ISLAND	7097	-1884984.369	-5357608.177	-2892853.391	NAZC
40451M102	WASHINGTON	7102	1130686.792	-4831353.147	3994110.847	NOAM
40451M103	WASHINGTON	7103	1130685.750	-4831348.713	3994116.363	NOAM

40451M105	WASHINGTON	7105	1130719.818	-4831350.560	3994106.503	NOAM
40433M002	QUINCY	7109	-2517234.679	-4198556.214	4076569.687	NOAM
40497M001	MONUMENT PEAK	7110	-2386277.904	-4802354.347	3444881.442	PCFC
40496M001	PLATTEVILLE	7112	-1240678.160	-4720463.447	4094480.586	NOAM
40439M001	OWENS VALLEY	7114	-2410422.342	-4477802.689	3838686.734	NOAM
40405M002	GOLDSTONE	7115	-2350861.559	-4655546.371	3660997.892	NOAM
40445M002	MAUI	7120	-5465998.401	-2404408.519	2242228.491	PCFC
92202M002	HUAHINE	7121	-5345865.260	-2958246.679	-1824623.731	PCFC
40504M001	MAZATLAN	7122	-1660089.278	-5619100.400	2511637.884	NOAM
92202M004	HUAHINE	7123	-5345866.752	-2958247.523	-1824624.277	PCFC
40451M114	WASHINGTON	7125	1130745.876	-4831368.056	3994077.126	NOAM
40445M001	MAUI	7210	-5466006.503	-2404427.961	2242187.481	PCFC
40497M002	MONUMENT PEAK	7220	-2386292.206	-4802347.421	3444880.930	PCFC
40405M006	GOLDSTONE	7265	-2356475.618	-4646618.304	3668424.770	NOAM
40405M013	GOLDSTONE	7288	-2356494.017	-4646607.683	3668426.663	NOAM
40499M002	RICHMOND	7295	961319.063	-5674090.956	2740489.582	NOAM
41705M001	SANTIAGO	7400	1769699.859	-5044612.907	-3468260.020	SOAM
41706M001	CERRO TOLOLO	7401	1815517.250	-5213464.832	-3187999.374	SOAM
12612M001	ASKITES	7510	4353444.912	2082666.283	4156506.668	EURA
12615M001	KATAVIA	7512	4573400.042	2409322.207	3723881.784	EURA
12602M002	DIONYSOS	7515	4595216.428	2039435.320	3912629.524	EURA
12613M001	ROUMELLI	7517	4728694.697	2174373.372	3674572.963	EURA
12614M001	KARITSA	7520	4596042.637	1733476.755	4055720.869	EURA
12616M001	XRISOKALARIA	7525	4745949.550	1905705.946	3799169.059	EURA
20702S001	BAR GIYYORA	7530	4443968.363	3121946.898	3334695.478	AFRC
12734M005	MATERA	7540	4641984.572	1393057.761	4133233.508	EURA
12734M004	MATERA	7541	4641990.285	1393042.333	4133231.885	EURA
12706M001	LAMPEDUSA	7544	5072832.004	1130886.241	3684836.985	EURA
12725M002	CAGLIARI	7545	4893398.111	772673.287	4004140.974	EURA
12711M002	BOLOGNA	7546	4461399.661	919566.832	4449510.555	EURA
12718M002	TRIESTE	7550	4336738.616	1071271.448	4537911.054	EURA
20801M001	DIYARBAKIR	7575	3848635.965	3251760.903	3898909.268	EURA
20803M001	MELENGICLICK	7580	4247620.479	2778638.955	3851607.527	EURA
20802M001	YOZGAT	7585	4029730.653	2802093.281	4062068.027	EURA
20804M001	YIGILCA	7587	4117362.011	2517076.834	4157679.065	EURA
14005M002	MONTE GENEROSO	7590	4390309.892	696752.001	4560835.912	EURA
14201M004	WETTZELL	7596	4075582.651	931837.209	4801559.952	EURA
14001S001	ZIMMERWALD	7810	4331283.627	567549.545	4633139.941	EURA
12205S001	BOROWIEC	7811	3738332.806	1148246.437	5021815.777	EURA
30101S001	HELWAN	7831	4728283.468	2879670.504	3156894.323	AFRC
14201S002	WETTZELL	7834	4075530.090	931781.258	4801618.214	EURA
10002S001	GRASSE	7835	4581691.792	556159.363	4389359.375	EURA
21726S001	SIMOSATO	7838	-3822388.301	3699363.462	3507573.125	EURA
11001S002	GRAZ	7839	4194426.705	1162693.867	4647246.538	EURA
13212S001	HERSTMONCEUX	7840	4033463.862	23662.316	4924305.040	EURA
50103S007	CANBERRA	7843	-4446476.824	2678126.964	-3696251.680	INDI
40439M004	OWENS VALLEY	7853	-2410421.122	-4477800.416	3838690.346	NOAM
40505M001	CABO SAN LUCAS	7882	-1997241.684	-5528041.226	2468355.269	PCFC
40506M001	ENSENADA	7883	-2406126.791	-4898368.419	3290336.581	PCFC
40442M005	FORT DAVIS	7885	-1330125.297	-5328526.518	3236150.288	NOAM
40433M005	QUINCY	7886	-2517242.104	-4198550.852	4076570.542	NOAM
40434M002	MOUNT HOPKINS	7888	-1936744.332	-5077639.078	3331993.897	NOAM
40412M001	AUSTIN	7890	-754161.847	-5459061.380	3200743.944	NOAM
40491M002	FLAGSTAFF	7891	-1923976.565	-4850871.559	3658574.864	NOAM
40492M001	VERNAL	7892	-1631484.769	-4589133.944	4106749.542	NOAM

40493M001	YUMA	7894	-2196777.701	-4887337.113	3448425.393	NOAM
40400M001	PASADENA	7896	-2493211.873	-4655229.456	3565574.685	PCFC
40451M111	WASHINGTON	7899	1131364.831	-4831168.854	3994128.961	NOAM
42202S001	AREQUIPA	7907	1942792.037	-5804077.667	-1796919.273	SOAM
40451M117	WASHINGTON	7920	1130741.932	-4831369.807	3994076.111	NOAM
40434S001	MOUNT HOPKINS	7921	-1936760.263	-5077707.113	3331922.996	NOAM
41604S001	NATAL	7929	5186467.615	-3653856.865	-654321.065	SOAM
12734S001	MATERA	7939	4641965.079	1393069.915	4133262.245	EURA
50103S003	CANBERRA	7943	-4447548.754	2677134.137	-3694996.481	INDI
13504M002	KOOTWIJK	8833	3899237.889	396769.159	5015055.244	EURA

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NETWORK NUMBER	SITE	CDP NUM.	X m	Y m	Z m	PLATE
14106S001	POTSDAM	1181	3800621.315	882005.300	5028859.494	EURA
12337S003	SIMEIS	1873	3783902.557	2551405.009	4441257.647	EURA
12302S002	RIGA	1884	3183895.866	1421496.930	5322803.386	EURA
12337S006	KATZIVELY	1893	3785944.921	2550780.560	4439461.389	EURA
40701S001	SANTIAGO DE CU	1953	1474548.462	-5811242.212	2168944.993	NOAM
40436M003	SAN DIEGO	7035	-2428826.642	-4799754.180	3417267.276	PCFC
40433M001	QUINCY	7051	-2516893.108	-4198845.149	4076411.442	NOAM
40436M002	SAN DIEGO	7062	-2428825.929	-4799750.532	3417272.697	PCFC
40451M112	WASHINGTON	7063	1130714.876	-4831367.733	3994087.361	NOAM
40417M002	PATRICK AFB	7069	917958.646	-5548370.476	2998776.449	NOAM
40442M006	FORT DAVIS	7080	-1330020.951	-5328401.886	3236480.831	NOAM
40438M001	BEAR LAKE	7082	-1735997.202	-4425048.326	4241430.582	NOAM
40442M001	FORT DAVIS	7086	-1330125.300	-5328526.631	3236150.284	NOAM
50107M001	YARRAGADEE	7090	-2389006.608	5043329.305	-3078525.219	INDI
40440M001	WESTFORD	7091	1492453.737	-4457278.692	4296815.894	NOAM
50505S001	KWAJALEIN ATOL	7092	-6143450.270	1364700.908	1034163.735	PCFC
50503S002	AMERICAN SAMOA	7096	-6100049.033	-996203.521	-1568976.912	PCFC
41703M002	EASTER ISLAND	7097	-1884984.259	-5357608.220	-2892853.384	NAZC
40451M102	WASHINGTON	7102	1130686.789	-4831353.176	3994110.813	NOAM
40451M103	WASHINGTON	7103	1130685.716	-4831348.718	3994116.366	NOAM
40451M105	WASHINGTON	7105	1130719.785	-4831350.569	3994106.501	NOAM
40433M002	QUINCY	7109	-2517234.723	-4198556.201	4076569.673	NOAM
40497M001	MONUMENT PEAK	7110	-2386277.976	-4802354.303	3444881.454	PCFC
40496M001	PLATTEVILLE	7112	-1240678.199	-4720463.477	4094480.540	NOAM
40439M001	OWENS VALLEY	7114	-2410422.381	-4477802.681	3838686.720	NOAM
40405M002	GOLDSTONE	7115	-2350861.591	-4655546.374	3660997.868	NOAM
40445M002	MAUI	7120	-5465998.432	-2404408.384	2242228.561	PCFC
92202M002	HUAHINE	7121	-5345865.348	-2958246.564	-1824623.660	PCFC
40504M001	MAZATLAN	7122	-1660089.301	-5619100.401	2511637.866	NOAM
92202M004	HUAHINE	7123	-5345866.828	-2958247.389	-1824624.273	PCFC
40451M114	WASHINGTON	7125	1130745.842	-4831368.061	3994077.129	NOAM
40445M001	MAUI	7210	-5466006.547	-2404427.819	2242187.526	PCFC
40497M002	MONUMENT PEAK	7220	-2386292.278	-4802347.352	3444880.977	PCFC
40405M006	GOLDSTONE	7265	-2356475.650	-4646618.307	3668424.746	NOAM
40405M013	GOLDSTONE	7288	-2356494.056	-4646607.685	3668426.635	NOAM
40499M002	RICHMOND	7295	961319.038	-5674090.960	2740489.583	NOAM

41705M001	SANTIAGO	7400	1769699.857	-5044612.919	-3468260.004	SOAM
41706M001	CERRO TOLOLO	7401	1815517.298	-5213464.818	-3187999.369	SOAM
12612M001	ASKITES	7510	4353444.880	2082666.319	4156506.683	EURA
12615M001	KATAVIA	7512	4573400.064	2409322.228	3723881.743	EURA
12602M002	DIONYSOS	7515	4595216.431	2039435.337	3912629.511	EURA
12613M001	ROUMELLI	7517	4728694.717	2174373.399	3674572.922	EURA
12614M001	KARITSA	7520	4596042.622	1733476.722	4055720.900	EURA
12616M001	XRISOKALARIA	7525	4745949.561	1905705.953	3799169.041	EURA
20702S001	BAR GIYYORA	7530	4443968.331	3121946.942	3334695.480	AFRC
12734M005	MATERA	7540	4641984.540	1393057.797	4133233.532	EURA
12734M004	MATERA	7541	4641990.253	1393042.369	4133231.909	EURA
12706M001	LAMPEDUSA	7544	5072831.993	1130886.267	3684836.992	EURA
12725M002	CAGLIARI	7545	4893398.090	772673.330	4004140.991	EURA
12711M002	BOLOGNA	7546	4461399.630	919566.867	4449510.579	EURA
12718M002	TRIESTE	7550	4336738.574	1071271.475	4537911.088	EURA
20801M001	DIYARBAKIR	7575	3848635.909	3251760.924	3898909.306	EURA
20803M001	MELENGICLICK	7580	4247620.450	2778639.006	3851607.522	EURA
20802M001	YOZGAT	7585	4029730.650	2802093.259	4062068.045	EURA
20804M001	YIGILCA	7587	4117361.958	2517076.881	4157679.089	EURA
14005M002	MONTE GENEROSO	7590	4390309.862	696752.036	4560835.936	EURA
14201M004	WETTZELL	7596	4075582.618	931837.242	4801559.974	EURA
14001S001	ZIMMERWALD	7810	4331283.615	567549.592	4633139.946	EURA
12205S001	BOROWIEC	7811	3738332.770	1148246.468	5021815.796	EURA
30101S001	HELWAN	7831	4728283.423	2879670.537	3156894.360	AFRC
14201S002	WETTZELL	7834	4075530.070	931781.292	4801618.224	EURA
10002S001	GRASSE	7835	4581691.773	556159.401	4389359.389	EURA
21726S001	SIMOSATO	7838	-3822388.298	3699363.465	3507573.125	EURA
11001S002	GRAZ	7839	4194426.678	1162693.899	4647246.554	EURA
13212S001	HERSTMONCEUX	7840	4033463.848	23662.342	4924305.051	EURA
50103S007	CANBERRA	7843	-4446476.898	2678127.027	-3696251.547	INDI
40439M004	OWENS VALLEY	7853	-2410421.155	-4477800.419	3838690.322	NOAM
40505M001	CABO SAN LUCAS	7882	-1997241.781	-5528041.166	2468355.324	PCFC
40506M001	ENSENADA	7883	-2406126.867	-4898368.350	3290336.628	PCFC
40442M005	FORT DAVIS	7885	-1330125.325	-5328526.521	3236150.271	NOAM
40433M005	QUINCY	7886	-2517242.042	-4198550.787	4076570.646	NOAM
40434M002	MOUNT HOPKINS	7888	-1936744.361	-5077639.081	3331993.876	NOAM
40412M001	AUSTIN	7890	-754161.875	-5459061.383	3200743.932	NOAM
40491M002	FLAGSTAFF	7891	-1923976.597	-4850871.562	3658574.843	NOAM
40492M001	VERNAL	7892	-1631484.851	-4589133.955	4106749.498	NOAM
40493M001	YUMA	7894	-2196777.731	-4887337.116	3448425.370	NOAM
40400M001	PASADENA	7896	-2493211.941	-4655229.384	3565574.732	PCFC
40451M111	WASHINGTON	7899	1131364.797	-4831168.859	3994128.964	NOAM
42202S001	AREQUIPA	7907	1942792.067	-5804077.663	-1796919.252	SOAM
40451M117	WASHINGTON	7920	1130741.898	-4831369.812	3994076.114	NOAM
40434S001	MOUNT HOPKINS	7921	-1936760.292	-5077707.116	3331922.975	NOAM
41604S001	NATAL	7929	5186467.524	-3653857.056	-654320.721	SOAM
12734S001	MATERA	7939	4641965.045	1393069.942	4133262.274	EURA
50103S003	CANBERRA	7943	-4447548.827	2677134.132	-3694996.397	INDI
13504M002	KOOTWIJK	8833	3899237.889	396769.193	5015055.242	EURA

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NETWORK NUMBER	SITE	CDP NUM.	X m	Y m	Z m	PLATE
40442M006	FORT DAVIS	7080	-1330020.919	-5328401.918	3236480.832	NOAM
40442M001	FORT DAVIS	7086	-1330125.257	-5328526.689	3236150.301	NOAM
50107M001	YARRAGADEE	7090	-2389006.310	5043329.150	-3078525.502	INDI
41703M002	EASTER ISLAND	7097	-1884984.613	-5357607.994	-2892853.355	NAZC
40451M105	WASHINGTON	7105	1130719.825	-4831350.580	3994106.473	NOAM
40433M002	QUINCY	7109	-2517234.643	-4198556.266	4076569.694	NOAM
40497M001	MONUMENT PEAK	7110	-2386277.796	-4802354.492	3444881.380	PCFC
92202M002	HUAHINE	7121	-5345865.268	-2958246.838	-1824623.987	PCFC
40504M001	MAZATLAN	7122	-1660089.263	-5619100.387	2511637.878	NOAM
92202M004	HUAHINE	7123	-5345866.801	-2958247.706	-1824624.522	PCFC
40445M001	MAUI	7210	-5466006.377	-2404428.190	2242187.326	PCFC
40405M013	GOLDSTONE	7288	-2356494.154	-4646607.760	3668426.692	NOAM
12612M001	ASKITES	7510	4353444.981	2082666.172	4156506.652	EURA
12615M001	KATAVIA	7512	4573400.029	2409322.105	3723881.755	EURA
12602M002	DIONYSOS	7515	4595216.401	2039435.269	3912629.571	EURA
12613M001	ROUMELLI	7517	4728694.628	2174373.247	3674573.031	EURA
12614M001	KARITSA	7520	4596042.598	1733476.816	4055720.846	EURA
12616M001	XRISOKALARIA	7525	4745949.489	1905705.899	3799169.107	EURA
20702M001	BAR GIYYORA	7530	4443967.465	3121945.108	3334694.419	AFRC
12706M001	LAMPEDUSA	7544	5072832.017	1130886.047	3684836.860	EURA
12725M002	CAGLIARI	7545	4893398.147	772673.233	4004140.882	EURA
12718M002	TRIESTE	7550	4336738.625	1071271.382	4537911.003	EURA
20801M001	DIYARBAKIR	7575	3848636.164	3251760.904	3898909.158	EURA
20803M001	MELENGICLICK	7580	4247620.565	2778638.943	3851607.488	EURA
20802M001	YOZGAT	7585	4029730.790	2802093.374	4062067.962	EURA
20804M001	YIGILCA	7587	4117362.104	2517076.747	4157679.032	EURA
14001S001	ZIMMERWALD	7810	4331283.698	567549.484	4633139.862	EURA
12205S001	BOROWIEC	7811	3738334.416	1148246.080	5021816.401	EURA
30101S001	HELWAN	7831	4728283.582	2879670.589	3156894.263	AFRC
14201S002	WETTZELL	7834	4075530.107	931781.192	4801618.150	EURA
10002S001	GRASSE	7835	4581691.851	556159.291	4389359.298	EURA
21726M002	SIMOSATO	7838	-3822387.134	3699362.211	3507571.989	EURA
11001S002	GRAZ	7839	4194426.778	1162693.753	4647246.482	EURA
13212S001	HERSTMONCEUX	7840	4033463.896	23662.242	4924305.032	EURA
50103S007	CANBERRA	7843	-4446476.384	2678126.797	-3696251.613	INDI
40506M001	ENSENADA	7883	-2406126.829	-4898368.621	3290335.981	PCFC
42202S001	AREQUIPA	7907	1942791.941	-5804077.766	-1796919.326	SOAM
12734S001	MATERA	7939	4641965.123	1393069.818	4133262.142	EURA
13504M002	KOOTWIJK	8833	3899238.196	396769.646	5015055.113	EURA

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NETWORK NUMBER	SITE	CDP NUM.	X m	Y m	Z m	PLATE
40442M006	FORT DAVIS	7080	-1330020.932	-5328401.905	3236480.831	NOAM
40442M001	FORT DAVIS	7086	-1330125.269	-5328526.676	3236150.300	NOAM
50107M001	YARRAGADEE	7090	-2389006.406	5043329.195	-3078525.401	INDI
41703M002	EASTER ISLAND	7097	-1884984.482	-5357608.057	-2892853.359	NAZC

40451M105	WASHINGTON	7105	1130719.807	-4831350.578	3994106.482	NOAM
40433M002	QUINCY	7109	-2517234.668	-4198556.250	4076569.686	NOAM
40497M001	MONUMENT PEAK	7110	-2386277.852	-4802354.429	3444881.406	PCFC
92202M002	HUAHINE	7121	-5345865.261	-2958246.715	-1824623.891	PCFC
40504M001	MAZATLAN	7122	-1660089.274	-5619100.404	2511637.877	NOAM
92202M004	HUAHINE	7123	-5345866.795	-2958247.582	-1824624.426	PCFC
40445M001	MAUI	7210	-5466006.426	-2404428.077	2242187.411	PCFC
40405M013	GOLDSTONE	7288	-2356494.109	-4646607.732	3668426.670	NOAM
12612M001	ASKITES	7510	4353444.939	2082666.229	4156506.660	EURA
12615M001	KATAVIA	7512	4573400.037	2409322.161	3723881.762	EURA
12602M002	DIONYSOS	7515	4595216.420	2039435.292	3912629.543	EURA
12613M001	ROUMELLI	7517	4728694.652	2174373.311	3674573.002	EURA
12614M001	KARITSA	7520	4596042.619	1733476.789	4055720.850	EURA
12616M001	XRISOKALARIA	7525	4745949.520	1905705.910	3799169.086	EURA
20702M001	BAR GIYYORA	7530	4443967.388	3121945.273	3334694.394	AFRC
12706M001	LAMPEDUSA	7544	5072832.008	1130886.137	3684836.916	EURA
12725M002	CAGLIARI	7545	4893398.124	772673.271	4004140.928	EURA
12718M002	TRIESTE	7550	4336738.619	1071271.425	4537911.026	EURA
20801M001	DIYARBAKIR	7575	3848636.074	3251760.910	3898909.207	EURA
20803M001	MELENGICLICK	7580	4247620.538	2778638.954	3851607.511	EURA
20802M001	YOZGAT	7585	4029730.739	2802093.329	4062067.995	EURA
20804M001	YIGILCA	7587	4117362.062	2517076.785	4157679.050	EURA
14001S001	ZIMMERWALD	7810	4331283.672	567549.519	4633139.905	EURA
12205S001	BOROWIEC	7811	3738333.861	1148246.181	5021816.197	EURA
30101S001	HELWAN	7831	4728283.596	2879670.543	3156894.280	AFRC
14201S002	WETTZELL	7834	4075530.086	931781.228	4801618.178	EURA
10002S001	GRASSE	7835	4581691.818	556159.333	4389359.336	EURA
21726M002	SIMOSATO	7838	-3822387.104	3699362.222	3507571.976	EURA
11001S002	GRAZ	7839	4194426.746	1162693.810	4647246.513	EURA
13212S001	HERSTMONCEUX	7840	4033463.867	23662.283	4924305.042	EURA
50103S007	CANBERRA	7843	-4446476.531	2678126.877	-3696251.580	INDI
40506M001	ENSENADA	7883	-2406126.820	-4898368.522	3290336.212	PCFC
42202S001	AREQUIPA	7907	1942791.973	-5804077.702	-1796919.286	SOAM
12734S001	MATERA	7939	4641965.102	1393069.867	4133262.191	EURA
13504M002	KOOTWIJK	8833	3899238.056	396769.439	5015055.167	EURA

SSC(IERS) 91 L 04
POSITIONS 1988.0

NETWORK NUMBER	SITE	CDP NUM.	X m	Y m	Z m	PLATE
40442M006	FORT DAVIS	7080	-1330020.943	-5328401.892	3236480.830	NOAM
40442M001	FORT DAVIS	7086	-1330125.281	-5328526.663	3236150.299	NOAM
50107M001	YARRAGADEE	7090	-2389006.503	5043329.241	-3078525.299	INDI
41703M002	EASTER ISLAND	7097	-1884984.351	-5357608.121	-2892853.362	NAZC
40451M105	WASHINGTON	7105	1130719.789	-4831350.575	3994106.493	NOAM
40433M002	QUINCY	7109	-2517234.692	-4198556.234	4076569.678	NOAM
40497M001	MONUMENT PEAK	7110	-2386277.907	-4802354.365	3444881.432	PCFC
92202M002	HUAHINE	7121	-5345865.254	-2958246.591	-1824623.795	PCFC
40504M001	MAZATLAN	7122	-1660089.283	-5619100.422	2511637.877	NOAM
92202M004	HUAHINE	7123	-5345866.788	-2958247.459	-1824624.330	PCFC
40445M001	MAUI	7210	-5466006.473	-2404427.964	2242187.496	PCFC

40405M013	GOLDSTONE	7288	-2356494.066	-4646607.702	3668426.649	NOAM
12612M001	ASKITES	7510	4353444.897	2082666.288	4156506.670	EURA
12615M001	KATAVIA	7512	4573400.045	2409322.216	3723881.770	EURA
12602M002	DIONYSOS	7515	4595216.438	2039435.316	3912629.516	EURA
12613M001	ROUMELLI	7517	4728694.677	2174373.375	3674572.972	EURA
12614M001	KARITSA	7520	4596042.640	1733476.763	4055720.854	EURA
12616M001	XRISOKALARIA	7525	4745949.550	1905705.922	3799169.066	EURA
20702M001	BAR GIYYORA	7530	4443967.311	3121945.437	3334694.369	AFRC
12706M001	LAMPEDUSA	7544	5072832.000	1130886.227	3684836.971	EURA
12725M002	CAGLIARI	7545	4893398.101	772673.309	4004140.973	EURA
12718M002	TRIESTE	7550	4336738.614	1071271.468	4537911.049	EURA
20801M001	DIYARBAKIR	7575	3848635.985	3251760.916	3898909.256	EURA
20803M001	MELENGICLICK	7580	4247620.511	2778638.964	3851607.534	EURA
20802M001	YOZGAT	7585	4029730.687	2802093.284	4062068.029	EURA
20804M001	YIGILCA	7587	4117362.018	2517076.824	4157679.068	EURA
14001S001	ZIMMERWALD	7810	4331283.646	567549.554	4633139.947	EURA
12205S001	BOROWIEC	7811	3738333.306	1148246.281	5021815.993	EURA
30101S001	HELWAN	7831	4728283.610	2879670.497	3156894.297	AFRC
14201S002	WETTZELL	7834	4075530.067	931781.263	4801618.206	EURA
10002S001	GRASSE	7835	4581691.785	556159.375	4389359.372	EURA
21726M002	SIMOSATO	7838	-3822387.075	3699362.235	3507571.964	EURA
11001S002	GRAZ	7839	4194426.713	1162693.867	4647246.543	EURA
13212S001	HERSTMONCEUX	7840	4033463.839	23662.324	4924305.051	EURA
50103S007	CANBERRA	7843	-4446476.678	2678126.956	-3696251.549	INDI
40506M001	ENSENADA	7883	-2406126.810	-4898368.423	3290336.443	PCFC
42202S001	AREQUIPA	7907	1942792.005	-5804077.638	-1796919.246	SOAM
12734S001	MATERA	7939	4641965.081	1393069.916	4133262.240	EURA
13504M002	KOOTWIJK	8833	3899237.915	396769.232	5015055.221	EURA

SSC(IERS) 91 L 04
POSITIONS 1990.0

NETWORK NUMBER	SITE	CDP NUM.	X m	Y m	Z m	PLATE
40442M006	FORT DAVIS	7080	-1330020.956	-5328401.879	3236480.829	NOAM
40442M001	FORT DAVIS	7086	-1330125.294	-5328526.650	3236150.298	NOAM
50107M001	YARRAGADEE	7090	-2389006.599	5043329.286	-3078525.198	INDI
41703M002	EASTER ISLAND	7097	-1884984.220	-5357608.184	-2892853.367	NAZC
40451M105	WASHINGTON	7105	1130719.770	-4831350.573	3994106.504	NOAM
40433M002	QUINCY	7109	-2517234.717	-4198556.219	4076569.670	NOAM
40497M001	MONUMENT PEAK	7110	-2386277.963	-4802354.301	3444881.457	PCFC
92202M002	HUAHINE	7121	-5345865.248	-2958246.467	-1824623.699	PCFC
40504M001	MAZATLAN	7122	-1660089.293	-5619100.439	2511637.877	NOAM
92202M004	HUAHINE	7123	-5345866.781	-2958247.335	-1824624.234	PCFC
40445M001	MAUI	7210	-5466006.521	-2404427.852	2242187.581	PCFC
40405M013	GOLDSTONE	7288	-2356494.023	-4646607.674	3668426.628	NOAM
12612M001	ASKITES	7510	4353444.855	2082666.345	4156506.680	EURA
12615M001	KATAVIA	7512	4573400.053	2409322.272	3723881.778	EURA
12602M002	DIONYSOS	7515	4595216.456	2039435.339	3912629.489	EURA
12613M001	ROUMELLI	7517	4728694.700	2174373.439	3674572.943	EURA
12614M001	KARITSA	7520	4596042.661	1733476.736	4055720.859	EURA
12616M001	XRISOKALARIA	7525	4745949.580	1905705.933	3799169.045	EURA

20702M001	BAR GIYYORA	7530	4443967.234	3121945.602	3334694.344	AFRC
12706M001	LAMPEDUSA	7544	5072831.992	1130886.316	3684837.027	EURA
12725M002	CAGLIARI	7545	4893398.078	772673.347	4004141.018	EURA
12718M002	TRIESTE	7550	4336738.608	1071271.511	4537911.072	EURA
20801M001	DIYARBAKIR	7575	3848635.896	3251760.922	3898909.305	EURA
20803M001	MELENGICLICK	7580	4247620.484	2778638.975	3851607.556	EURA
20802M001	YOZGAT	7585	4029730.634	2802093.240	4062068.062	EURA
20804M001	YIGILCA	7587	4117361.975	2517076.863	4157679.086	EURA
14001S001	ZIMMERWALD	7810	4331283.620	567549.590	4633139.991	EURA
12205S001	BOROWIEC	7811	3738332.751	1148246.382	5021815.789	EURA
30101S001	HELWAN	7831	4728283.624	2879670.451	3156894.314	AFRC
14201S002	WETTZELL	7834	4075530.047	931781.298	4801618.233	EURA
10002S001	GRASSE	7835	4581691.753	556159.417	4389359.409	EURA
21726M002	SIMOSATO	7838	-3822387.047	3699362.246	3507571.951	EURA
11001S002	GRAZ	7839	4194426.679	1162693.924	4647246.573	EURA
13212S001	HERSTMONCEUX	7840	4033463.811	23662.364	4924305.061	EURA
50103S007	CANBERRA	7843	-4446476.826	2678127.036	-3696251.516	INDI
40506M001	ENSENADA	7883	-2406126.801	-4898368.324	3290336.673	PCFC
42202S001	AREQUIPA	7907	1942792.036	-5804077.574	-1796919.206	SOAM
12734S001	MATERA	7939	4641965.060	1393069.964	4133262.289	EURA
13504M002	KOOTWIJK	8833	3899237.774	396769.024	5015055.275	EURA



IMPRIMERIE DE L'OBSERVATOIRE DE PARIS