



IERS TECHNICAL NOTE 20

Results and Analysis of the ITRF94

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TABLE OF CONTENTS

	Page
IERS Technical Notes	iii
SUMMARY	1
INTRODUCTION	3
Table 1. Received Data	4
Figure 1. ITRF94 sites	5
STATISTICAL ANALYSIS OF CLASS I SOLUTIONS	6
Table 2. Global residuals of the VLBI combination at 1993.0	7
Table 3. Global residuals of the GPS combination at 1993.0	7
Table 4. Global residuals of the SLR combination at 1993.0	7
Table 5. Global residuals of the DORIS combination at 1993.0	7
THE ITRF94 SOLUTION	8
Table 6. Rate of the transformation parameters from ITRF94 Provisional Velocity Field to NNR-NUVEL1A	8
STATION CLASSIFICATION	9
ITRF94 RESULTS	10
CONSISTENCY OF EOP WITH TERRESTRIAL AND CELESTIAL REFERENCE FRAMES	10
Table 7. Consistency of the IERS EOP series with the IERS reference frames	11
Figures 2 - 3. Consistency of EOP and EOP rates with terrestrial frames	12
ANALYSIS OF THE ITRF94 RESULTS	13
COMPARISON OF CLASS II SOLUTIONS TO ITRF94	13
ACCESS TO ITRF94 FILES	13
TABLE OF INTERNET FILES	14
Appendix	
T1: Catalogue of IERS sites	T-1
T2: Directory of IERS stations	T-7
T3: Occupancies of IERS sites	T-29

TABLE OF CONTENTS (cont.)

T5:	ITRF94 Class A Station Coordinates at epoch 1993.0 and velocities	T-59
T6:	ITRF94 Class B Station Coordinates at epoch 1993.0 and velocities	T-65
T7:	ITRF94 Class C Station Coordinates at epoch 1993.0 and velocities	T-71
T8:	ITRF94 Class Z Station Coordinates at epoch 1993.0	T-81
T9:	Transformation parameters from ITRF94 to individual frames of class I	T-83
T10:	Transformation parameters from ITRF94 to individual frames of class II	T-85
T11:	Consistency of EOP series with reference frames	T-87
T12:	Residuals and statistics of the ITRF94 station coordinates combination at epoch 1993.0	T-93

Figures:

ITRF94 position and velocity residuals per solution, for Class A and B stations	F-1
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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 still available

- 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 7 : E.F. Arias, M. Feissel and J.-F. Lestrade. The IERS extragalactic Celestial Reference Frame and its tie with HIPPARCOS.
- No 10: C. Boucher and Z. Altamimi. The IERS GPS Terrestrial Reference Frame.
- No 14: P. Charlot (ed.) Earth orientation, reference frames and atmospheric excitation functions submitted for the 1992 IERS Annual Report.*[Superseded by T.N. 17]*
- No 15: C. Boucher, Z. Altamimi and L. Duhem. ITRF92 and its associated velocity field
- No 16: J.O. Dickey and M. Feissel (eds.). Results from the SEARCH'92 Campaign.
- No 17: P. Charlot (ed.). Earth orientation, reference frames and atmospheric excitation functions submitted for the 1993 IERS Annual Report.*[Superseded by T.N. 19]*
- No 18: C. Boucher, Z. Altamimi, L. Duhem. Results and Analysis of the ITRF93
- No 19: P. Charlot (ed.). Earth orientation, reference frames and atmospheric excitation functions submitted for the 1994 IERS Annual Report.
- No 20: C. Boucher, Z. Altamimi, M. Feissel, P. Sillard. Results and Analysis of the ITRF94

Future issues

- No 21: D.D. McCarthy (ed.). IERS Conventions (1996).

SUMMARY

This Technical Note contains a detailed description of the IERS products related to the Terrestrial Reference System for the period of the 1994 IERS Annual Report. It gives a detailed analysis about the ITRF94 and its associated velocity field.

As a new step for improving the ITRF products, the full covariance information of the individual solutions was used in the computation. In addition, the ITRF94 stations were classified according to the quality to their coordinates and velocities.

The ITRF94 orientation is constrained to the ITRF92 at epoch 1988.0, and its time evolution follows the geophysical model NNR-NUVEL1A. As a result, the IERS EOP published in Bulletins A and B and with the 1994 Annual Report will be consistent with the ITRF94 and ICRF if corrections found in Table 7, p. 11 are applied. The ITRF94 origin is a weighted mean of some SLR and GPS solutions, and its scale is based on an average of some VLBI, GPS and SLR solutions.

In addition, in order to meet the requirement of IUGG and IAU that the terrestrial reference systems and frames have TCG (Geocentric Coordinate Time) as their coordinate-time, the scale factor is corrected by $0.7 \cdot 10^{-9}$ to take into account the fact that the analysis centres used the TAI or TT coordinate-time.

INTRODUCTION

The Sets of Stations Coordinates (SSC) received for the ITRF94 analysis are organized in two classes, I and II. Three criteria are of specific interest:

1. Relationship with EOP

Three main approaches can be used in the analysis procedure, leading to three types of SSC solutions: primary, densified, and autonomous, as follows.

- A) Combined adjustment of SSC and EOP: *primary* SSC solution.
- B) Rigorous combination of SSC from A and an extended set of stations for which EOP are fixed to the result from A (in other words not all of the stations do contribute to EOP determination): *densified* SSC solution.
- C) Adjustment with fixed series of EOP: *autonomous* SSC solution.

Providing that EOP documentation is also submitted, all three types of solution can be accepted as Class I.

2. Type of data

We may characterize the solutions according to:

- a) monoteknique/mono-satellite, or
- b) monoteknique/multi-satellite, with two cases:
 - b1) combination of SSC and EOP from monosatellite solutions,
 - b2) simultaneous analysis of data from the various satellites with a unique model;
- c) multiteknique, with:
 - c1) combination of SSC and EOP,
 - c2) simultaneous analysis.

For this solution, we accepted any type of solution.

3. Informations submitted with the SSC

For Class I solutions we require data transmission in SINEX format. We accept in general positions and velocities either free or constrained.

In summary the criteria for Class I solutions are as follows:

- Availability of positions (and velocities) with full covariance matrix (SINEX)
- Good quality of the global solution (individual poorly determined stations are accepted)
- All possible stations should be included (possibility of solutions of types A, B or C, see above).

All other solutions are considered as Class II.

The ITRF94 solution is based on a combination of Class I individual solutions. This combination includes VLBI, GPS, SLR and DORIS solutions. Note that DORIS results are included for the first time in the ITRF computations. The Class II solutions are all compared a posteriori to the ITRF94 solution.

Table 1 lists all the solutions received by the IERS Central Bureau for the ITRF94 analysis.

Table 1: Received Data

Solution						Epoch			Velocities(1) Est. Fix. Cst.			Sta. Nb.	Matrix format	Class
VLBI	RG	SSC (GSFC)	95	R	01	1988.0			90	44		134	ISEF1	I
	RN	SSC (NOAA)	95	R	01	1993.0			81	30		111	NOAA	I
	RJ	SSC (JPL)	95	R	01	1993.0			9		3	12	ISEF1	I
	RO	SSC (USNO)	95	R	04	1993.0			56	25		81	USNO	I
	RK	SSC (GAOUA)	95	R	01	1993.0				18		18	ISEF1	II
	RS	SSC (SHA)	95	R	01	1993.0				18		18	---	II
GPS	JP	SSC (JPL)	95	P	02	1993.0			50			50	ISEF1	I
	PE	SSC (EMR)	95	P	02	1994.0			13	13		26	ISEF1	I
	PB	SSC (CODE)	95	P	02	1994.3					69	69	ISEF1	I
	PZ2	SSC (GFZ)	95	P	02	1994.0				47		47	---	II
	PZ3	SSC (GFZ)	95	P	03	1994.0			34	13		47	ISEF1	II
	PA	SSC (ESOC)	95	P	01	1994.0			41			41	ISEF1	II
SLR	LC	SSC (CSR)	95	L	01	1993.0			47	70		117	ISEF1	I
SLR+GPS	CU	SSC (DUT)	95	C	02	1988.0			53	42		95	ISEF1	I
	LK	SSC (GAOUA)	95	L	01	1993.0			48	43		91	ISEF1	II
	LG	SSC (GSFC)	95	L	01	1988.0			40			40	---	II
	LZ	SSC (GFZ)	95	L	01	1988.0			51	25		76	ISEF1 (2)	II
	LY	SSC (IARAS)	95	L	01	1994.0				20		20	---	II
	LL1	SSC (CLG)	95	L	01	1984.0			46			66	ISEF1	II
DORIS	LL2	SSC (CLG)	95	L	02	1984.0			46			66	ISEF1	II
	DR	SSC (GRGS)	95	D	01	1993.0			42	7		49	ISEF1	I
	DH	SSC (IGN)	95	D	02	1993.0			56			56	ISEF1	I
LLR	DC	SSC (CSR)	95	D	01	1993.0			47			47	ISEF1	I
	MX	SSC (UTXMO)	95	M	01	1984.0				5		5	---	II
	MJ	SSC (JPL)	95	M	01	1991.0				5		5	---	II
	MV	SSC (FSG)	95	M	01	1991.94				5		5	ISEF1	II
	MS	SSC (SHA)	95	M	01	1993.0						4	---	II

Notes.

- 1- Status of the velocities: estimated (Est.), fixed (Fix.) or constrained (Cst.). The numbers of stations with this status are listed.
- 2- Matrix in local frame.

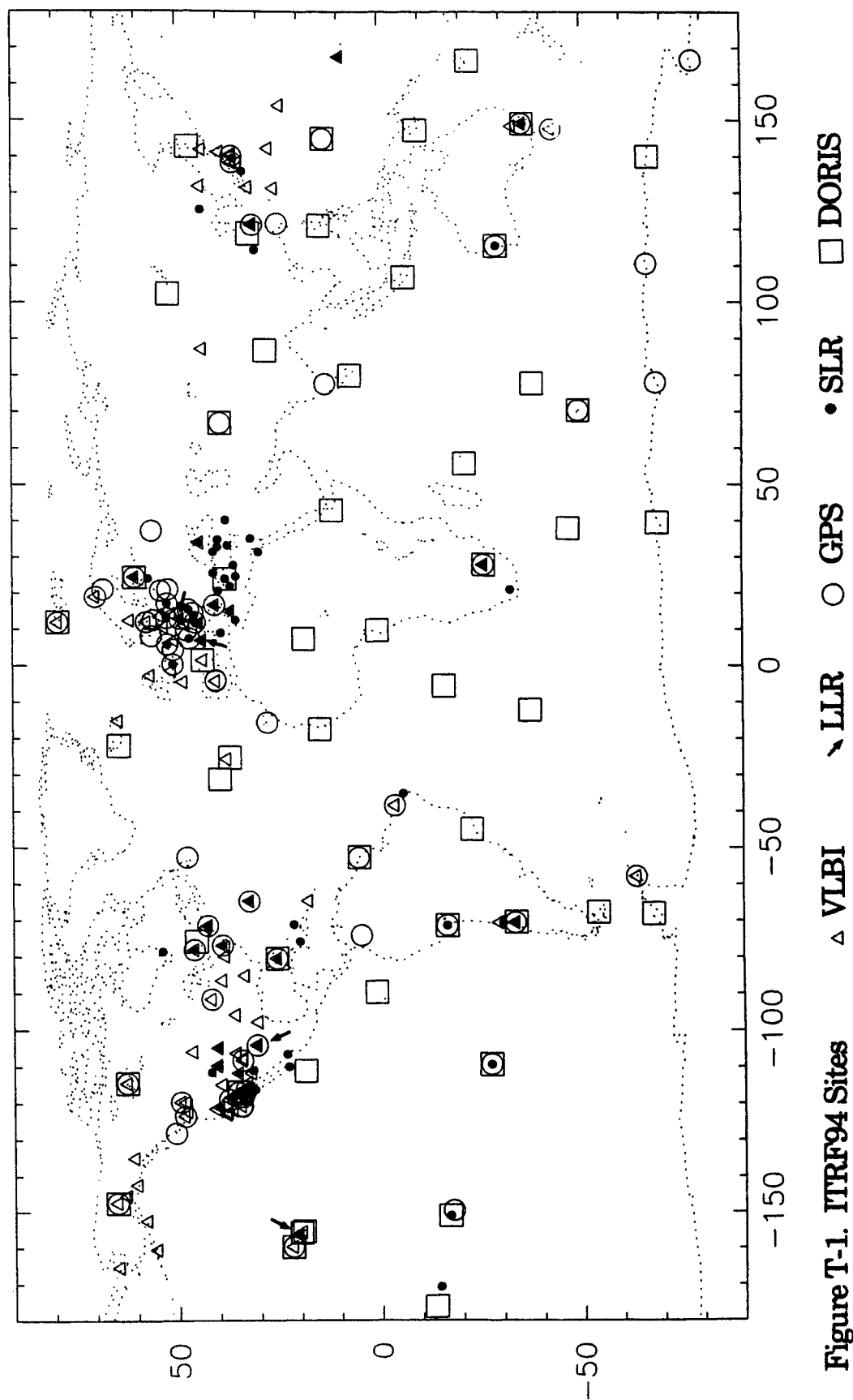


Figure T-1. ITRF94 Sites

Figure 1. ITRF94 sites

General information Tables are given in the Appendix:

Table T1: list of the IERS sites;

Table T2: list of points and markers for the IERS sites;

Table T3: summary of the occupancies of the IERS sites by VLBI, LLR, GPS, SLR and DORIS;

Table T4: local eccentricities for the IERS sites.

ANALYSIS PER TECHNIQUE OF CLASS I SOLUTIONS

In order to assess the relative quality of the different solutions independently from the influence of the local ties, analyses restricted to combinations and comparison within each observing technique are performed, based on a seven transformation parameters model. Two specific parameters are considered:

- the Factor of Unit Variances (SIG0) of an entire comparison/combination, and
- the Factor of Unit Variances per solution (labelled NSX2, see below), computed by taking into account the correlations between the estimated parameters.

These analyses also lead to the estimation of the Matrix Scaling Factor.

One expects that the SIG0 be 1 and that the values of NSX2 of the solutions incorporated in the comparison/combination be equal to each other and not far from the unity. Practically, these two conditions could be easily satisfied in case of two solutions, by repeating the comparison and varying the Matrix Scaling Factors till we have identical NSX2 for the two solutions. But the two conditions are more difficult to satisfy in case of three or more solutions. In this second case, two types of analysis per pair of solutions have been performed:

- comparisons per pair of solutions over all common points,
- comparisons per pair of solutions over common points of the three solutions.

Based on these two types of analysis, one combination per technique has been adopted as optimal combination, yielding to the Matrix Scaling Factor for each individual solution. Tables 2 to 5 list the statistical numbers for each optimal combination per technique. Note that all these combinations were performed at epoch 1993.0. The captions of these tables are:

N : Number of common points

SP : 2-D unweighted RMS

SU : Vertical unweighted RMS

SX : 3-D unweighted RMS

WSP : 2-D Weighted RMS

WSU : Vertical Weighted RMS

WSX : 3-D Weighted RMS

NSX1 : Factor of Unit Variances per solution, without taking into account the correlations between the estimated parameters

NSX2 : Factor of Unit Variances per solution, taking into account the correlations between the estimated parameters

F : Matrix Scaling Factor

Table 2 : Global Residuals of the VLBI Combination at 1993.0**SIG0 = 0.92**

Solution	N	SP cm	SU cm	SX cm	WSP cm	WSU cm	WSX cm	NSX1	NSX2	F
(USNO) 95 R 04	80	2.4	4.1	3.1	0.3	0.4	0.3	0.87	0.94	2.28
(GSFC) 95 R 01	116	1.4	5.7	3.5	0.4	0.5	0.4	0.63	0.84	3.65
(NOAA) 95 R 01	111	0.9	4.1	2.5	0.7	1.1	0.8	0.61	1.19	4.84
(JPL) 95 R 01	6	0.5	1.5	0.9	0.4	1.1	0.7	0.82	0.83	1.50

Table 3 : Global Residuals of the GPS Combination at 1993.0**SIG0 = 0.97**

Solution	N	SP cm	SU cm	SX cm	WSP cm	WSU cm	WSX cm	NSX1	NSX2	F
(JPL) 95 P 02	38	0.3	1.2	0.7	0.2	0.8	0.5	1.11	1.01	7.97
(EMR) 95 P 02	25	4.4	5.3	4.7	1.5	3.7	1.6	0.86	1.16	20.46
(CODE) 95 P 02	40	0.9	0.6	0.8	0.6	0.4	0.5	0.92	0.88	0.06

Table 4 : Global Residuals of the SLR Combination at 1993.0**SIG0 = 1.00**

	N	SP cm	SU cm	SX cm	WSP cm	WSU cm	WSX cm	NSX1	NSX2	F
(CSR) 95 L 01	76	03.1	9.3	5.9	0.8	1.2	1.2	1.00	1.00	1.61
(DUT) 95 C 02	76	03.2	1.1	2.7	0.5	1.0	0.7	1.00	1.00	1.61

Table 5 : Global Residuals of the DORIS Combination at 1993.0**SIG0 = 1.00**

Solution	N	SP cm	SU cm	SX cm	WSP cm	WSU cm	WSX cm	NSX1	NSX2	F
(IGN) 95 D 01	49	2.5	1.9	2.3	1.7	1.5	1.7	0.67	0.85	6.29
(CSR) 95 D 01	47	2.8	2.8	2.8	1.9	1.5	1.7	0.62	0.85	1.75
(GRGS) 95 D 01	47	3.3	2.6	3.1	2.1	2.1	2.2	1.14	1.25	15.73

THE ITRF94 SOLUTION

The ITRF94 computation consists of the combination of station positions at two different epochs: 1988.0 and 1993.0. The combination/comparison model is given by equation (1),

$$\begin{bmatrix} XS \\ YS \\ ZS \end{bmatrix} = \begin{bmatrix} X \\ Y \\ Z \end{bmatrix} + \begin{bmatrix} T1 \\ T2 \\ T3 \end{bmatrix} + \begin{bmatrix} D & -R3 & R2 \\ R3 & D & -R1 \\ -R2 & R1 & D \end{bmatrix} \cdot \begin{bmatrix} X \\ Y \\ Z \end{bmatrix} \quad (1)$$

where X,Y,Z are the coordinates in the ITRF, and XS,YS,ZS are the coordinates in the individual system.

The individual SSC's are computed for these two epochs, using their respective station velocity fields. Individual covariance matrices, scaled by the F factor (see Tables 2 to 5 above), are also computed for these two epochs using the full covariance matrix between positions and velocities.

Positions of stations treated with fixed velocities are rejected when they are based on observations before 1991.0 (resp. before 1986.0 or after 1991.0) for the 1993.0 (resp. 1988.0) combination.

In the two combinations at 1988.0 and 1993.0, the local ties are introduced as observations, with appropriate variances. One or more reference points per site are selected, yielding to one or more local tie sets: A, B, C, etc (see Table T4 of the Appendix). All these sets are included in the combination provided that at least one point of each set is available in at least one space-geodesy solution.

The datum ITRF94 is defined by the following (see details in the next paragraph):

- the origin is a weighted average of a selection of SLR and GPS solutions;
- the scale is a weighted average of a selection of VLBI, SLR and GPS solutions, modified in order to take into account the fact that the solutions use TAI and not TCG as a time scale;
- the orientation is consistent with the ITRF92 (not the ITRF93) at 1988.0 epoch;
- the time evolution is consistent with the geophysical model NNR-NUVEL1A;

The ITRF94 solution is performed using the following steps:

- 1- A global combination at epoch 1988.0 is done, holding to zero the seven transformation parameters of the SLR solution SSC(CSR) 95 L 01 (labeled hereafter LC);
- 2- The same combination as in step 1 is done at epoch 1993.0;
- 3- A Provisional Velocity Field is derived from the difference of coordinates in the above two combinations;
- 4- The Provisional Velocity Field obtained in step 3 is compared to the geophysical model NNR-NUVEL1A in order to estimate the rates of the seven transformation parameters between the two, given in Table 6.

**Table 6. Rate of the transformation parameters
from ITRF94 Provisional Velocity Field to NNR-NUVEL1A**

$\dot{T1}$ cm	$\dot{T2}$ cm	$\dot{T3}$ cm	$\dot{D}$ 10 ⁻⁸	$\dot{R1}$ 0.001"	$\dot{R2}$ 0.001"	$\dot{R3}$ 0.001" /y
0.10	-0.12	0.14	-0.053	-0.138	-0.222	0.032
± 0.03	0.03	0.03	0.009	0.011	0.011	0.009

5- The seven transformation parameters of the solution obtained in step 1 relative to the ITRF92 are computed at epoch 1988.0 considering only one point per site;

6- The combination at epoch 1988.0 is repeated, holding for LC:

- the three translations and the scale factor to zero;
- the three rotations to the values determined in step 5:

$$R1(1988.0) = -0.15 \quad R2(1988.0) = 1.30 \quad R3(1988.0) = -0.87 \quad (\text{Unit: } 0.001'')$$

7- The combination at epoch 1993.0 is repeated, holding the seven transformation parameters for LC to the values obtained by propagating the values of step 6 to 1993.0 by use of the rates listed in Table 6

8- Weighted averages for the origin and the scale have been estimated based on the following solutions:

- for the origin and scale: SSC(JPL) 95 P 02, SSC(CODE) 95 P 02 and SSC(DUT) 95 C 02;
- for the scale: SSC(GSFC) 95 R 01, SSC(NOAA) 95 R 01 and SSC(USNO) 95 R 04

9- The two combinations at epochs 1988.0 and 1993.0 (steps 6 and 7) are then repeated, but correcting the translations and the scale factor fixed for LC by the values obtained in step 8. The scale factor is also corrected by (0.7×10^{-9}) in order to be consistent with IUGG/IAU resolutions recommending that the coordinate-time of the terrestrial reference system be TCG.

10- The ITRF94 velocity field is finally estimated by differentiating the two combinations of step 9.

STATION CLASSIFICATION

The ITRF94 stations are classified, in order to help users for estimating the quality of station coordinates they may be use. For this analysis, we distinguish four classes: A, B, C and Z, adopting the reliability as the main criterium:

A set of points in a site have a quality number $QN(t) = n$ if they are linked by local surveys and

- there are at least two different techniques in the set of points
- each point has at least one space-derived position (R, L, M, P or D) at epoch t with a maximum residual (over the three components) below n centimeters
- the local surveys for all points have also a maximum residual below n centimeters

This means that at least two independent techniques agree to better than n centimeters for these points.

Using this QN, we define four classes:

- A: points with $QN(93)$ and $QN(88)$ better than 2 centimeters
- B: points not in A but with $QN(93)$ better than 3 centimeters
- C: point not included in A or B with no large residual
- Z: point with large residual (blunder or poor determination)

ITRF94 RESULTS

The ITRF94 sets of coordinates at epoch 1993.0 are split into four tables according to their classes. They are available in Tables T5, T6, T7 and T8 of the appendix. Velocities are available for all stations of class A as well as for most of stations of classes B and C. These velocities have to be used to refer the ITRF94 coordinates from 1993.0 epoch to another desired epoch.

Table T9 contains the transformation parameters adjusted at epoch 1993.0 as well as the rates of class I solutions. The rates have to be considered as annual variations to the transformation parameters. So for a given transformation parameter T at an epoch t in years, we have:

$$T(t) = T(t_0) + \dot{T} \cdot (t - t_0), \text{ with } t_0 = 1993.0 \quad (2)$$

CONSISTENCY OF EOP WITH TERRESTRIAL AND CELESTIAL REFERENCE FRAMES

Let us consider two series of EOP, each of which is referred to a celestial frame defined by the adopted Radio Source Coordinates (RSC) and to a terrestrial frame defined by the adopted Set of Station Coordinates (SSC). The systematic differences in the pole coordinates (Δx , Δy), in universal time ($\Delta UT1$), and in the celestial pole offsets ($\Delta d\psi$, $\Delta d\epsilon$) due to the rotations (A_1 , A_2 , A_3) between the two celestial frames and (R_1 , R_2 , R_3) between the two terrestrial frames are given by the relationships (Zhu and Mueller, 1983) :

$$\begin{aligned} \Delta x &= R_2 - A_1 \sin \theta + A_2 \cos \theta \\ \Delta y &= R_1 + A_1 \cos \theta + A_2 \sin \theta \\ f\Delta UT1 &= -R_3 + A_3 \\ \Delta d\psi &= A_2 / \sin \epsilon \\ \Delta d\epsilon &= -A_1 \end{aligned} \quad (3)$$

where θ is the sidereal time, f is the conversion factor from universal time to sidereal time, and ϵ is the obliquity of the ecliptic. The dependence of Δx , Δy on the celestial frames angles A_1 , A_2 are diurnal terms which are not accessible to the present analysis. The relationships (3), applied to the comparison of the data sets described in Table II-1 of the 1994 IERS Annual Report, p. II-14, with EOP(IERS) C 01 on the one hand, and the comparisons of the related reference frames to RSC/SSC(IERS) 95 C 01 on the other hand can be used to characterize the internal consistency of the set of IERS results, time series and reference frames.

When considering two terrestrial frames, each one having its own velocity field, and the corresponding series of EOP, the relative drifts $\Delta x'$, $\Delta y'$, $\Delta UT1'$ between the series of EOP can be predicted by relationships (3), obtained as the time derivatives for the first three relationships (3):

$$\Delta x' = R'_2 ; \Delta y' = R'_1 ; \Delta UT1' = -R'_3 \quad (4)$$

where R'_1 , R'_2 , R'_3 are the rates of change of the rotation angles between the two terrestrial reference frames. These relationships are used to compare the drifts of the EOP series relative to EOP(IERS) C 01 are compared with their predicted values derived from the rates of change of their rotation angles relative to the ITRF94 velocity field.

Table T11 (a) and (b) gives the evaluations of internal consistency for the Class I individual terrestrial frames using relationships (3) and (4) (see also Figures 2 and 3). The celestial frames angles are those in Table C-2, p. II-26 of the 1994 IERS Annual Report. The terrestrial frames angles and their rates of change with time come from Table T9. The closures for x, y, UT1-UTC at 1993.0 and of their rates of change are plotted on Figures 1 and 2 respectively. Based on these closures for the earth-rotation series used to derive EOP(IERS) C 01 in 1984-1994, an estimation of the inconsistency of EOP(IERS) with the IERS reference frames is given in Table 7 and plotted on Figures 1 and 2.

Table 7. Consistency of the IERS eop series with the IERS reference frames:
the value to add to EOP(IERS) time series in order to make them consistent with the 1994 realizations of the IERS terrestrial and celestial reference systems is $A+A'(t-1993.0)$, t in Besselian years.

Cor	x 0.001"	y 0.001"	UT1 0.0001s	dψ 0.001"	dε 0.001"
A	-0.05 ±0.28	+0.76 ±0.29	-0.42 ±0.16	-0.01 ±0.07	0.00 ±0.03
A'	+0.12 ±0.07	+0.11 ±0.07	0.04 ±0.05	-	-

For Class II individual terrestrial frames, comparisons based on equations (3) are given in Table T11 (c), for the epochs of the terrestrial frames (cf Table T10).

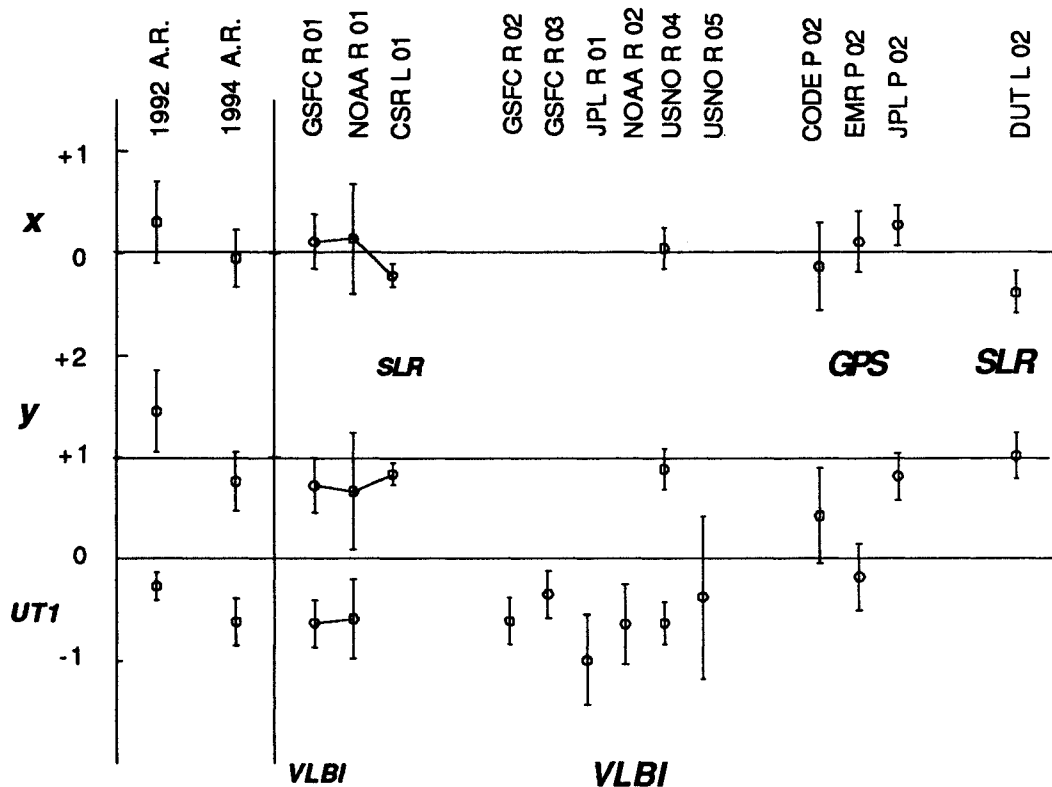


Figure 2. Consistency of biases in EOP at 1993.0 with the orientation of reference frames, both relative to the IERS results. The global estimations derived from the 1992 and 1994 Annual Report analyses are plotted on the left. Unit: 0.001".

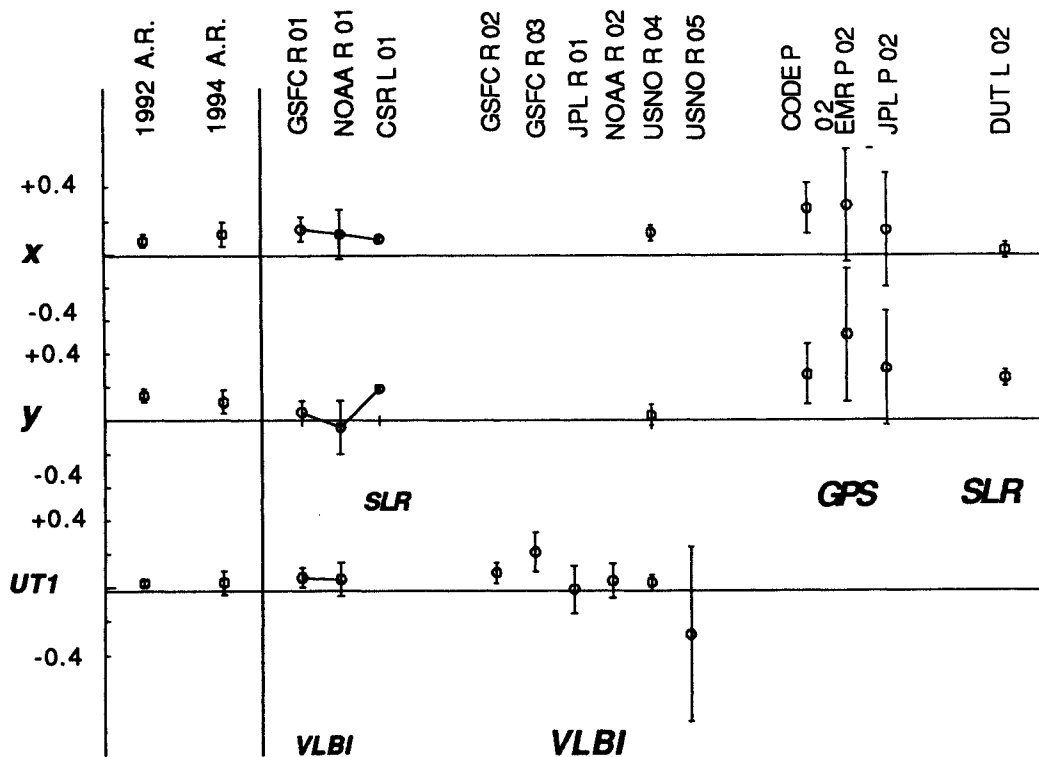


Figure 3. Consistency of the drifts in EOP with the rotation rate of terrestrial frames, both relative to the IERS results. The global estimations derived from the 1992 and 1994 Annual Report analyses are plotted on the left. Unit: 0.001"/year.

ANALYSIS OF THE ITRF94 RESULTS

The quality analysis of the ITRF94 results is based on global residuals per solution (Table 8) as well as per site. All residuals on a site-by-site basis resulting from the combination at 1993.0 are available in Table T12. For sites of classes A and B, position and velocity residuals are plotted in figures given at the end of the Appendix.

Table 8: Global ITRF94 residuals per solution at epochs 1988.0 and 1993.0

SSC	LABEL	Positions at 1988.0				Positions at 1993.0			
		N(88)	WSP cm	WSU cm	WSX cm	N(93)	WSP cm	WSU cm	WSX cm
(GSFC) 95 R 01	RG	110	0.4	0.8	0.6	109	0.4	0.7	0.6
(JPL) 95 R 01	RJ	8	1.0	3.7	2.1	8	0.8	3.2	1.9
(NOAA) 95 R 01	RN	98	0.5	1.1	0.8	94	0.6	0.9	0.7
(USNO) 95 R 04	RO	68	0.9	1.1	0.7	72	0.3	0.6	0.4
(CODE) 95 P 02	PB	41	1.7	0.8	1.4	55	0.6	0.8	0.7
(EMR) 95 P 02	PE	11	5.3	14.5	8.0	25	2.0	4.7	2.0
(JPL) 95 P 02	PJ	44	1.4	3.5	2.3	45	0.3	0.8	0.5
(CSR) 95 L 01	LC	67	0.9	2.2	1.4	71	0.8	1.2	1.1
(DUT) 95 C 02	CU	78	0.8	1.4	1.0	85	1.0	1.8	1.3
(CSR) 95 D 01	DC	47	6.4	7.0	6.7	47	1.8	2.0	1.8
(GRGS) 95 D 01	DR	42	4.7	4.2	4.7	49	2.8	2.8	2.8
(IGN) 95 D 02	DH	52	7.0	7.3	7.1	52	1.9	2.0	1.9

COMPARISON OF CLASS II SOLUTIONS TO ITRF94

Table T10 of the Appendix contains the transformation parameters from the ITRF94 to the individual solutions of class II. These parameters were obtained by comparison of the ITRF94 and each solution at the epoch of the latter one.

ACCESS TO ITRF94 FILES

All the ITRF94 related files are available via Internet:

```
ftp://schubert.ign.fr/CIAG/index.CIAG.html
or:
ftp schubert.ign.fr (192.33.147.230)
username:      anonymous
password:      e-mail address
```

Move to the itrfr directory ("cd /pub/itrfr").

The "ls" command gives the list of files. See file README ("get README").

General information files:

```
iers.site      :   Catalogue of IERS sites
iers_dir.sta   :   Directory of IERS stations
iers_sta.occ   :   Occupancies of IERS stations
iers.ecc       :   Local eccentricities for IERS colocation sites
```

ITRF94 files: cd /pub/itrfr94

TABLE OF INTERNET FILES

TABLE	FILE NAME	DESCRIPTION
T1	iers.site	Catalogue of the IERS sites
T2	iers_dir.sta	Directory of the IERS stations
T3	iers_sta.occ	Summary of the occupancies of the IERS stations
T4	iers.ecc	Local eccentricities for IERS sites
T5	ITRF94.SSCA	ITRF94 Station Coordinates class A
T6	ITRF94.SSCB	ITRF94 Station Coordinates class B
T7	ITRF94.SSCC	ITRF94 Station Coordinates class C
T8	ITRF94.SSCZ	ITRF94 Station Coordinates class Z
T9	ITRF94.TI	Transformation parametres from ITRF94 to individual frames of class I
T10	ITRF94.TII	Transformation parametres from ITRF94 to individual frames of class II
T11	ITRF94_EOP.CONSISTENCY	Consistency of EOP with Terrestrial and Celestial Reference Frames
T12	ITRF94.RESIDUALS	Residuals per site of the ITRF94 combination at 1993.0

APPENDIX

Tables and Figures

Tables:

T1:	Catalogue of IERS sites	T-1
T2:	Directory of IERS stations	T-7
T3:	Occupancies of IERS sites	T-29
T4:	Local eccentricities for IERS sites	T-47
T5:	ITRF94 Class A Station Coordinates at epoch 1993.0 and velocities	T-59
T6:	ITRF94 Class B Station Coordinates at epoch 1993.0 and velocities	T-65
T7:	ITRF94 Class C Station Coordinates at epoch 1993.0 and velocities	T-71
T8:	ITRF94 Class Z Station Coordinates at epoch 1993.0	T-81
T9:	Transformation parameters from ITRF94 to individual frames of class I	T-83
T10:	Transformation parameters from ITRF94 to individual frames of class II	T-85
T11:	Consistency of EOP series with reference frames	T-87
T12:	Residuals and statistics of the ITRF94 station coordinates combination at epoch 1993.0	T-93

Figures:

ITRF94 position and velocity residuals per solution, for Class A and stations	F-1
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Table T1**CATALOGUE OF IERS SITES**

DOMES Number	Name	Country	Long.		Lat.		Plate
			d	m	d	m	
10002	GRASSE	France	6	55	43	45	EURA
10003	TOULOUSE	France	1	29	43	34	EURA
10004	BREST	France	355	30	48	24	EURA
10101	COPENHAGUE	Denmark	12	30	55	44	EURA
10112	HOVVIG	Denmark	8	07	56	10	EURA
10202	REYKJAVIK	Island	338	07	64	14	EURA
10204	HOFN	Island	350	48	64	16	EURA
10302	TROMSO	Norway	18	56	69	40	EURA
10317	NY-ALESUND	Norway	11	56	78	55	EURA
10325	HONEFOS	Norway	10	15	60	36	EURA
10329	TRYSIL	Norway	12	23	61	25	EURA
10402	ONSALA	Sweden	11	55	57	24	EURA
10403	KIRUNA	Sweden	20	25	67	50	EURA
10405	MARTSBO	Sweden	17	16	60	36	EURA
10503	METSAHOVI	Finland	24	23	60	13	EURA
11001	GRAZ	Austria	15	30	47	04	EURA
11005	PFANDER	Austria	9	47	47	30	EURA
12108	LJUBLJANA	Slovenia	14	30	46	05	EURA
12205	BOROWIEC	Poland	17	04	52	17	EURA
12204	JOZEFOSLAW	Poland	21	02	52	13	EURA
12209	LAMKOWKO	Poland	20	40	53	54	EURA
12309	MENDELEEVO	Russia	37	13	56	02	EURA
12302	RIGA	Latvia	24	04	56	57	EURA
12329	SAKHALINSK	Russia	142	42	46	57	EURA
12334	KITAB	Uzbekistan	66	53	39	08	EURA
12337	SIMEIS-KATZIVELY	Ukraine	33	58	44	24	EURA
12338	BADARY	Russia	102	15	51	45	EURA
12342	USSURIISK	Russia	136	45	50	42	EURA
12602	DIONYSOS	Greece	23	56	38	05	EURA
12612	ASKITES	Greece	25	34	40	56	EURA
12613	ROUMELLI	Greece	24	42	35	24	EURA
12614	KARITSA	Greece	20	40	39	44	EURA
12615	KATAVIA	Greece	27	47	35	57	EURA
12616	XRISOKALARIA	Greece	21	53	36	47	EURA
12706	LAMPEDUSA	Italy	12	34	35	31	AFRC
12711	BOLOGNA	Italy	11	21	44	29	EURA
12717	NOTO	Italy	14	59	36	53	AFRC
12718	TRIESTE	Italy	13	53	45	39	EURA
12725	CAGLIARI	Italy	9	00	39	08	EURA
12734	MATERA	Italy	16	37	40	42	EURA
12749	MONTE VENDA	Italy	11	42	45	19	EURA
12750	PADOVA	Italy	11	53	45	25	EURA
13101	BRUSSELS	Belgium	4	22	50	48	EURA
13201	CHILBOLTON	UK	358	37	51	11	EURA
13212	HERSTMONCEUX	UK		21	50	52	EURA
13296	CARNUTSY	UK	357	13	56	29	EURA
13406	VILLAFRANCA	Spain	356	03	40	27	EURA
13407	MADRID-ROBLEDO	Spain	355	44	40	26	EURA
13411	MADRID-FACULTAD	Spain	356	16	40	27	EURA
13504	KOOTWIJK	Netherlands	5	49	52	11	EURA

Table T1 (cont.)

CATALOGUE OF IERS SITES

DOMES Number	Name	Country	Long.		Lat.		Plate
			d	m	d	m	
13506	WESTERBORK	Netherlands	6	36	52	55	EURA
14001	ZIMMERWALD	Switzerland	7	28	46	53	EURA
14005	MONTE GENEROSO	Switzerland	9	01	45	56	EURA
14106	POTSDAM	Germany	13	04	52	23	EURA
14201	WETTZELL	Germany	12	53	49	09	EURA
14202	HOHENBUNSTORF	Germany	10	29	53	03	EURA
14209	EFFELSBERG	Germany	6	53	50	32	EURA
14213	HOHENPEISSENBERG	Germany	11	01	47	48	EURA
14260	KARLSBURG	Germany	13	37	53	59	EURA
14261	KIRSCHBERG	Germany	14	17	51	13	EURA
20702	BAR GIYYORA	Israel	35	05	31	43	AFRC
20801	DIYARBAKIR	Turkey	40	12	37	55	EURA
20802	YOZGAT	Turkey	34	49	39	48	EURA
20803	MELENGICLICK	Turkey	33	11	37	23	EURA
20804	YIGILCA	Turkey	31	26	40	56	EURA
20805	ANKARA	Turkey	32	45	39	53	EURA
21501	EVEREST	Nepal	86	49	27	57	EURA
21602	WUHAN	China	114	20	30	32	EURA
21604	PURPLE M	China	118	49	32	04	EURA
21605	SHANGHAI	China	121	26	31	01	EURA
21611	CHANGCHUN	China	125	27	43	47	EURA
21612	URUMQI	China	87	11	43	28	EURA
21701	KASHIMA	Japan	140	40	35	57	NOAM
21702	MIZUSAWA	Japan	141	12	39	07	NOAM
21704	TOKYO	Japan	139	29	35	43	NOAM
21709	OKINAWA	Japan	127	43	26	08	EURA
21718	MIYAZAKI	Japan	131	29	32	05	EURA
21725	NOBEYAMA	Japan	138	28	35	56	NOAM
21726	SIMOSATO	Japan	135	56	33	34	EURA
21729	USUDA	Japan	138	29	36	12	EURA
21730	TSUKUBA	Japan	140	05	36	06	NOAM
21731	SHINTOTSUGAWA	Japan	141	51	43	32	NOAM
21732	CHICHIJIMA	Japan	142	13	27	06	PHIL
21733	MINAMI TORI SHIMA	Japan	153	59	24	17	PCFC
21735	TSUSHIMA	Japan	129	25	34	24	EURA
21736	ISHIGAKI SHIMA	Japan	124	10	24	21	PCFC
21737	SAGARA	Japan	138	11	34	41	NOAM
21738	DAITO	Japan	131	14	25	50	PHIL
22006	MANILLE	Philippine	120	02	14	32	EURA
22306	BANGALORE	India	77	34	13	01	INDI
23101	CIBINONG	Indonesia	106	50	-6	29	EURA
23501	COLOMBO	Srilanka	79	52	6	54	INDI
23601	TAIPEI	Taiwan	121	32	25	01	EURA
23902	DAEJEON	Korea	127	23	36	24	EURA
24901	BAHREIN (JUFFAR)	Bahrein	50	36	26	13	ARAB
30101	HELWAN	Egypt	31	21	29	52	AFRC
30302	HARTEBEEESTHOEK	S. Africa	27	42	-25	53	AFRC
30313	MARION ISLAND	S. Africa	37	51	-46	53	AFRC
30314	SUTHERLAND	S. Africa	20	48	-32	23	AFRC
30601	ASCENSION	GB	345	40	-7	57	SOAM

Table T1 (cont.)

CATALOGUE OF IERS SITES

DOMES Number	Name	Country	Long. d m	Lat. d m	Plate
30604	TRISTAN DA CUNHA	GB	347 41	-37 03	AFRC
30606	SAINTE-H	GB	354 17	-15 57	AFRC
30802	DIEGO GARCIA	GB	72 22	-7 15	INDI
31303	MASPALOMAS	Spain	344 22	27 46	AFRC
31901	FLORES	Portugal	328 52	39 27	AFRC
31903	SANTA MA	Portugal	334 55	37 00	AFRC
31906	SAO MIGUEL	Portugal	343 40	33 03	AFRC
34101	DAKAR	Senegal	-17 29	14 44	AFRC
32809	LIBREVILLE	Gabon	9 24	0 24	AFRC
33710	ARLIT	Niger	7 23	18 44	AFRC
39901	DJIBOUTI	Djibouti	42 51	11 32	AFRC
40101	ST JOHNS	Canada	307 09	47 36	NOAM
40102	OTTAWA	Canada	284 05	45 24	NOAM
40103	PRINCE ALBERT	Canada	254 04	53 13	NOAM
40104	ALGONQUIN	Canada	281 56	45 57	NOAM
40105	PENTICTON	Canada	240 23	49 19	NOAM
40118	WHITEHORSE	Canada	224 55	60 44	NOAM
40124	CALGARY	Canada	245 42	50 52	NOAM
40127	YELLOWKNIFE	Canada	245 32	62 29	NOAM
40129	VICTORIA	Canada	236 31	48 23	NOAM
40130	HOLBERG	Canada	237 52	50 38	NOAM
40132	LA GRANDE	Canada	281 26	51 42	NOAM
40400	PASADENA	USA	241 50	34 12	PCFC
40403	PALOS VERDES	USA	241 36	33 45	PCFC
40404	PEARBLOSSOM	USA	242 05	34 31	PCFC
40405	GOLDSTONE	USA	243 06	35 20	NOAM
40406	SAN FRANCISCO	USA	237 33	37 48	PCFC
40407	PINYON FLATS	USA	243 33	33 26	PCFC
40408	FAIRBANKS	USA	212 29	64 58	NOAM
40409	KAENA POINT	USA	201 44	21 35	PCFC
40410	POINT REYES	USA	237 04	38 06	PCFC
40412	AUSTIN	USA	262 20	30 25	NOAM
40416	YAKATAGA	USA	217 31	60 05	PCFC
40417	PATRICK AFB	USA	279 24	28 14	NOAM
40419	KODIAK	USA	207 30	57 44	NOAM
40420	VANDENBERG AFB	USA	239 26	34 35	PCFC
40421	NOME	USA	194 38	64 34	NOAM
40423	SANDPOINT	USA	343 31	55 21	NOAM
40424	KAUAI	USA	200 20	22 08	PCFC
40425	SOURDOUGH	USA	214 31	62 40	NOAM
40427	FORT ORD	USA	238 14	36 29	PCFC
40428	SANTA PAOLA	USA	241 00	34 12	PCFC
40430	BLACK BUTTE	USA	244 17	33 40	NOAM
40431	DEADMAN LAKE	USA	243 43	34 15	NOAM
40432	ELY	USA	244 55	39 19	NOAM
40433	QUINCY	USA	239 04	39 58	NOAM
40434	MOUNT HOPKINS	USA	249 07	31 41	NOAM
40436	SAN DIEGO	USA	243 10	32 36	PCFC
40437	MAMMOTH LAKES	USA	241 04	37 38	NOAM
40438	BEAR LAKE	USA	248 35	41 56	NOAM

Table T1 (cont.)

CATALOGUE OF IERS SITES

DOMES Number	Name	Country	Long. d m	Lat. d m	Plate
40439	OWENS VALLEY	USA	241 22	37 14	NOAM
40440	WESTFORD	USA	288 31	42 37	NOAM
40441	GREENBANK	USA	280 10	38 26	NOAM
40442	FORT DAVIS	USA	255 59	30 40	NOAM
40445	MAUI	USA	203 44	20 43	PCFC
40449	OCOTILLO	USA	244 12	32 47	PCFC
40451	WASHINGTON	USA	282 56	38 55	NOAM
40452	BLOOMINGTON	USA	273 30	39 11	NOAM
40453	CARROLLTON	USA	274 53	33 34	NOAM
40454	LEONARD	USA	264 12	35 55	NOAM
40455	MILES CITY	USA	254 08	46 24	NOAM
40456	PIETOWN	USA	251 53	34 18	NOAM
40457	SEATTLE	USA	237 45	47 41	NOAM
40460	LA JOLLA	USA	242 45	32 52	NOAM
40463	LOS ALAMOS	USA	253 45	35 47	NOAM
40464	CARR HILL	USA	239 34	35 53	NOAM
40465	NORTH LIBERTY	USA	268 26	41 46	NOAM
40466	KITT PEAK	USA	248 23	31 57	NOAM
40471	HANCOCK	USA	288 01	42 56	NOAM
40472	COLORADO SPRINGS	USA	255 07	39 00	NOAM
40473	BREWSTER	USA	240 19	48 08	NOAM
40474	LAKE MATHEWS	USA	242 34	33 51	NOAM
40475	WAIMEA	USA	155 40	20 01	PCFC
40476	HAWAIIAN	USA	155 17	19 25	PCFC
40478	CHATSWORTH	USA	241 22	34 15	PCFC
40479	BLYTHE	USA	251 17	33 37	NOAM
40477	MAUNA KEA	USA	204 33	19 48	NOAM
40480	BOMMER CANYON	USA	248 12	33 37	NOAM
40481	YUCAIPA	USA	248 54	34 02	NOAM
40482	LONG BEACH CITY	USA	241 48	33 47	NOAM
40489	HAT CREEK	USA	238 32	40 49	NOAM
40490	MARYLAND POINT	USA	282 46	38 22	NOAM
40491	FLAGSTAFF	USA	258 22	35 13	NOAM
40492	VERNAL	USA	250 26	40 20	NOAM
40493	YUMA	USA	245 48	32 56	NOAM
40496	PLATTEVILLE	USA	255 16	40 11	NOAM
40497	MONUMENT PEAK	USA	243 35	32 54	PCFC
40498	VLA	USA	252 23	34 05	NOAM
40499	RICHMOND	USA	279 37	25 37	NOAM
40503	SOCORRO	Mexico	249 03	18 44	PCFC
40504	MAZATLAN	Mexico	253 33	23 14	NOAM
40505	CABO SAN LUCAS	Mexico	250 08	22 55	PCFC
40506	ENSENADA	Mexico	243 50	31 15	PCFC
40701	SANTIAGO DE CUBA	Cuba	284 14	20 01	NOAM
41505	BUENOS AIRES	Argentina	301 29	-34 34	SOAM
41507	RIO GRANDE	Argentina	292 15	-53 47	SOAM
41602	FORTALEZA	Brazil	321 34	-03 53	SOAM
41604	NATAL	Brazil	324 40	-5 56	SOAM
41609	CACHOEIRA	Brazil	315 00	22 40	SOAM
41703	EASTER ISLAND	Chile	250 34	-27 11	NAZC

Table T1 (cont.)

CATALOGUE OF IERS SITES

DOMES Number	Name	Country	Long. d m	Lat. d m	Plate
41705	SANTIAGO	Chile	289 20	-33 09	SOAM
41706	CERRO TOLOLO	Chile	289 12	-30 10	SOAM
41709	SEST	Chile	289 16	-29 16	SOAM
41901	BOGOTA	Colombia	285 56	4 49	SOAM
42001	QUITO	Equador	281 25	-0 37	SOAM
42004	SAN CRISTOBAL	Equador	270 23	-0 54	NAZC
42202	AREQUIPA	Peru	288 30	-16 28	SOAM
42501	BERMUDA	UK	295 21	32 21	NOAM
43201	SAINTE CROIX	USA	301 25	17 46	NOAM
43602	GRAND TURK	Bahama Is.	288 42	21 28	SOAM
50103	CANBERRA	Australia	148 59	-35 35	AUST
50106	SMITHFIELD	Australia	138 39	-34 41	AUST
50107	YARRAGADEE	Australia	115 25	-29 05	AUST
50116	HOBART	Australia	147 26	-42 48	AUST
50126	TOWNSVILLE	Australia	146 46	-19 17	AUST
50133	PERTH	Australia	115 45	-31 58	AUST
50134	DARWIN	Australia	131 08	-12 51	AUST
50135	MACQUARIE ISLAND	Australia	158 56	-54 30	AUST
50108	PARKES	Australia	148 16	-33 00	AUST
50208	WELLINGTON	N. Zealand	174 47	-41 17	AUST
50501	GUAM	USA	144 44	13 19	PCFC
50503	AMERICAN SAMOA	USA	189 17	-14 20	PCFC
50505	KWAJALEIN ATOLL	USA	167 29	9 24	PCFC
51001	PORT MORESBY	New Guinea	147 10	9 24	AUST
66001	MC MURDO	Antarctica	166 40	-77 51	ANTA
66007	ROTHERA	Antarctica	291 53	-67 34	ANTA
66006	SYOWA	Antarctica	39 35	-69 00	ANTA
66008	O'HIGGINS	Antarctica	308 30	-64 23	ANTA
66010	DAVIS	Antarctica	77 58	-68 35	ANTA
66011	CASEY	Antarctica	110 31	-66 17	ANTA
91201	KERGUELEN	France	70 14	49 21	ANTA
91401	AMSTERDAM	France	77 34	-37 48	ANTA
91501	ILE DES PETRELS	France	140 01	-66 40	ANTA
92201	PAMATAI	France	210 26	-17 34	PCFC
92202	HUAHINE	France	208 58	-16 44	PCFC
92701	NOUMEA	France	166 26	-22 18	AUST
92901	WALLIS	France	176 10	-13 17	PCFC
97101	LE MOULE	France	298 40	16 20	CARB
97301	KOUROU	France	307 21	5 07	SOAM
97401	LA REUNION	France	55 36	-21 12	AFRC

Table T2**DIRECTORY OF IERS STATIONS**

DOMES Number	SITE	CLS	4-CHAR ID	CDP NUM.	DESIGNATION

10002	Grasse				
M001					Mark Caussols 3 (F 2)
M003		B*		7605	Mobile VLBI mark 1989
M006			GRAS		GPS Pillar/brass mark
S001		B*		7835	SLR IAR
S002		B*		7845	LLR IAR
S014		B*			DORIS Ant. Ref. Pt. 22-FEB-91 - 08-APR-91
10003	Toulouse				
S001		B	TLSA		DORIS Ant. Ref. Pt. 03-AUG-89 -
M003		B		7608	VLBI mark
10004	Brest				
M002		C		7604	Mobile VLBI mark 1989
S001		C			DORIS Ant. Ref. Pt. 07-AUG 91 - 10-09-91
10101	Copenhagen/Buddinge				
S001		C	BUDD		GPS Ant. Ref. Point
10112	Hovvig				
S001		C	HVIG		GPS Ant. Ref. Point
10202	Reykjavik				
S001		C	REYA		DORIS Ant. Ref. Pt. 05-JUL-90 -
10204	Hofn				
M001		C		7635	Mobile VLBI mark 1992
10302	Tromso				
M001					Trig. point (N 5481)
M002		B*		7602	Mobile VLBI and SLR mark
M003		B*	TROM		GPS marker TSS GPSM
M004					Mark TSS III
M005					Mark WMC2
S001					TI4100/L1 20-DEC-87 - 26-OCT-88
S002					TI4100/L1 28-OCT-88 - 07-NOV-88
S003					TI4100/L1 07-NOV-88 - 21-SEP-89
S004					TI4100/L1 21-SEP-89 - 17-JUL-90
S006					TI4100/L1 17-JUL-90 - 22-AUG-90
S007					ROGUE SNR-8/DM B/L1 28-MAY-90 - 30-JUN-90
S008					ROGUE SNR-8/DM B/L1 01-JUL-90 - 18-JUL-90
S009					ROGUE SNR-8/DM B/L1 18-JUL-90 -
S010		B*	TROA		DORIS Ant. Ref. Pt. 01-MAY-90 -
10317	Ny-Alesund				
M001		B	NYAL		GPS Mark
S001					ROGUE SNR-8/DM B/L1 17-JAN-91
S002		B	SPIA		DORIS Ant. Ref. Pt. 13-SEP-87
S003		C		7331	20 m VLBI antenna reference point

CLS : Station classification as determined in the ITRF94 analysis. 'A*' means station of class A with velocity available

Table T2 (cont.)

DIRECTORY OF IERS STATIONS

DOMES Number	SITE	CLS	4-CHAR ID	CDP NUM.	DESIGNATION
10325	Honefoss				
M001			HONE		SK Tower GPS mark
S001					ROGUE / L1 14-JAN-91
10329	Trysil				
M001		C		7607	VLBI mark
10402	Onsala				
M003					NLS Mark 761331 (S7331)
M004		A*	ONSA		Mark 301 GPSM
M005					Mark 401
M006		A*		7211	Mobile VLBI mark 1992
S001		C		7212	VLBI ref. pt. ONSALA85
S002		A*		7213	VLBI ref. pt. ONSALA60
S011					TI4100/L1 18-DEC-87 -23-JAN-91
S012					ASHTech/L1 27-JAN-91 -20-MAY-91
S013					ROGUE SNR-8/DM B/L1 31-MAY-91
10403	Kiruna				
M002		C*	KIRU		GPS mark
10405	Martsbo				
S005					ASHTech/L1 22-JAN-91 - 13-FEB-91
10503	Metsahovi				
M001					Mark (SF 348)
M002		C*		7601	Mobile VLBI mark 1989
M003					24 m high bilby tower
S001		C*		7805	SLR IAR
S009					ASHTech L-XII/L1 ??-MAY-91
S010					ROGUE SNR-8/DM B/L1 01-JAN-92
S011		C*	METS		ROGUE SNR-8/DM B/Bottom of thechoke ring
S013		C*	META		DORIS Ant. Ref. Pt. 01-DEC-88 -
11001	Graz				
M001					Mark (A171)
M002		A*	GRAZ		GPS Mark
S002		A*		7839	Fixed Laser / intersection of axes
11005	Pfander				
M001					A 102 BREGENZ PILLAR
M002		C	PFAN		GPS Marker
12108	Ljubljana				
M001		C	LJUB		GPS Marker
12204	Jozefoslaw				
M001		C*	JOZE		Geodynamical Pillar
12205	Borowiec				
M002		B*	BOR1		Geodynamical pillar on roof/main building
S001		B*		7811	SLR IAR
12209	Lamkowko				
M001		C	LAM0		Concret Pillar

Table T2 (cont.)

DIRECTORY OF IERS STATIONS

DOMES Number	SITE	CLS	4-CHAR ID	CDP NUM.	DESIGNATION
12302	Riga				
M001		C		7560	SLR mark
S002		C		1884	SLR IAR
12309	Mendeleevo				
M001		C	MDVO		Roof/1 m square metallic plate
12329	Sakhalinsk				
S001		C	SAKA		DORIS Ant. Ref. Pt. 06-NOV-91 -
12330	Zwenigorod				
M001			ZWEN		Roof main building/GPS pillar
12334	Kitab				
M001		C	KIT3		Thread mark in rock
S004		C*	KITA		DORIS Ant. Ref. Pt. 07-JUL-93 -
12337	Simeis - Katzively				
M001		C		7561	Simeis SLR mark
S003		C		1873	Simeis fixed SLR IAR
S006		C		1893	Katzively Crimea fixed SLR IAR
S008		C		7332	22 m AZ-EL Paraboloidal Radiotelescope Ref. pt.
12338	Badary				
S001		C	BADA		DORIS Ant. Ref. Pt. 11-NOV-91 -
12340	Maidanak				
S001				1863	MDN. FIXED LASER 1863
S002				1864	MDN2. FIXED LASER 1864
12341	omsomolsk-na-mure				
S001				1868	KOM. FIXED LASER 1868
12342	Ussuriisk				
S001		C		7247	70 m VLBI antenna ref. pt.
12343	Balkhash				
S001				1869	Balkhash fixed laser
12344	Evpatoria				
S001				1867	EVP. FIXED LASER 1867
12347	Dunaovcy				
S001				1866	Dun. Fixed SLR system
12602	Dionysos				
M001					Central Pillar
M002		C*		7515	Mark SLR Standard WEGENER disk
S001		C*		7940	SLR IAR
S011		C*	DIOA		DORIS Ant. Ref. Pt. 15-FEB-89 -
12612	Askites				
M001		C*		7510	Mark SLR 7510
12613	Roumeli				
M001		C*		7517	Mark SLR 7517

Table T2 (cont.)

DIRECTORY OF IERS STATIONS

DOMES Number	SITE	CLS	4-CHAR ID	CDP NUM.	DESIGNATION
12614 M001	Karitsa	C*		7520	Mark SLR 7520
12615 M001	Katavia	C*		7512	Mark SLR 7512
12616 M001	Xrisokalaria	C*		7525	Mark SLR 7525
12706 M001	Lampedusa	C*		7544	Mark SLR 7544
12711 M001	Bologna				Pillar
M002		C*		7546	Mark SLR 7546
S001		C*		7230	Radiotelescope ref. pt.
12717 S001	Noto	B*		7547	Radiotelescope ref. pt.
M001		B*		7543	Mark SLR
12718 M001	Trieste				Mark (I 400130)
M002		C*		7550	Mark SLR 7550
12725 M001	Cagliari				ILS Mark (I 234165)
M002		C*		7545	Mark SLR 7545
S013				7548	Fixed SLR system
12734 M001	Matera				Mark (I 201130)
M004		A*		7541	Mark SLR 7541 "C"
M005		A*		7540	Mark SLR 7540 "B"
M007		A*			Roof GPS Mark
M008		A* MATE			Pole (CIGNET GPS mark)
S001		A*		7939	SLR IAR
S005		A*		7243	Fixed VLBI antenna
S006					ROGUE SNR-8/DM B/L1 22-JAN-91
S007					ROGUE SNR-8/DM B/L1 16-APR-91
12749 M001	Monte Venda	C		7542	SLR mark
12750 M001	Padova	C	UPAD		Concrete pillar
M002		C	UPAD		Screw under plastic mast
13101 M004	Brussels	C*	BRUS		GPS ASTROLAB/OLD ASTROLAB OBSERVATION DOME
13201 S002	Chilbolton	C		7215	25m radiotelescope ref. pt.
S301					Hermitage / GPS DMA TI4100 / L1

Table T2 (cont.)

DIRECTORY OF IERS STATIONS

DOMES Number	SITE	CLS	4-CHAR ID	CDP NUM.	DESIGNATION
13212	Herstmonceux				
M002					Primary pillar (GB 481)
M005					Solar pillar
M007		A*	HERS		GPS reference mark
S001		A*		7840	SLR IAR
S012					ROGUE SNR-8A/DM B/L1 04-SEP-91-
13296	Carnusty				
M002		C		7603	Mobile VLBI mark 1989
13402	an Fernando				
S004				7824	Fixed SLR system
13406	Villafranca				
M001		C	VILL		ESA GPS marker
13407	Madrid-Robledo				
S001		C*		1563	64m antenna DSS63
S003		C*		1561	26(34) antenna DSS61
S010		A*		1565	34m antenna DSS65
S011					ROGUE SNR-8/DM R/L1 21-MAR-90
S012		A*	MADR		ROGUE SNR-8/DM R/Bottom of the choke ring 21-MAR-90
S013					ROGUE SNR-8/DM R/Top of the choke ring 21-MAR-90
13410	Roquetes - Tortosa				
M001			EBRE		Geodetic Pillar
13411	Madrid-Facultad				
S001					TRIMBLE 4000SLD/L1 22-JAN-91 - 13-FEB-91
13504	Kootwijk				
M001					Perm. mark 1980
M002		A*		8833	Monument MTLRS 1984
M003		A*	KOSG		GPS mark 339334-25
S001		A*		7833	SLR IAR (NL 233)
S013					ROGUE SNR-8/DM B/L1 20-JAN-91
14001	Zimmerwald				
M001					Mark (CH 99)
M002			ZIMA		DOPPLER Mark
M004		A*	ZIMM		GPS Marker (MAST) (L+T 88)
S001		A*		7810	Fixed Laser / intersection of axes
14005	Monte Generoso				
M001					Mark (CH 65)
M002				7590	SLR Mark
14106	Potsdam				
M001					Pillar tour Helmert
M003		A*	POTS		Geodetic pillar N-E / building A17
S001		C*		1181	SLR IAR
S009		A*		7836	POTLAS / intersection of axes

Table T2 (cont.)

DIRECTORY OF IERS STATIONS

DOMES Number	SITE	CLS	4-CHAR ID	CDP NUM.	DESIGNATION
14201	Wettzell				
M001					Astro. Pillar
M002					Trig. Point (D6843)
M003		A*		7595	SLR and GPS mark
M004		A*		7596	SLR mark
M005		A*		7597	SLR mark
M006		A*		7598	SLR and GPS (ROGUE) mark
M007				7599	SLR mark
M008					Mark 1000 (bottom TI4100 12-NOV-90 - 27-JUL-89)
M009		A* WETT			GPS mark 1200/top of tower
M010		A* WTZR			Pillar 1202
S004		A*		7224	VLBI Ref. Point
S002		A*		7834	SLR IAR
S013					TI4100/L1 12-NOV-87 - 27-JUL-89
S016					MINI MAC/L1 23-MAY-89 -
S017					ROGUE SNR-800/DM B/L1 20-DEC-90
S018		A*		8834	SLR WLRS IAR
S019					ROGUE SNR-800/DM B/L1 22-JUL-91-
S020					ROGUE SNR-800/DM B/Bottom of the choke ring 22-JUL-91-
14202	Hohenbunstorf				
M002		C		7600	Mobile VLBI mark 1989
14209	Effelsberg				
M001					Control network mark
S001		C*		7203	100m radiotelescope ref. pt.
14213	Hohenpeissenberg				
M002		C		7630	Mobile VLBI mark 1992
14260	Karlsburg				
M001		C		7632	Mobile VLBI mark 1992
14261	Kirschberg				
M001		C		7631	Mobile VLBI mark 1992
20702	Bar Giyyora				
M001		C*		7530	SLR mark 7530
M002			BARG		GPS Mark
S001				7530	MOBLAS-2
20801	Diyarbakir				
M001		C*		7575	Mark SLR
20802	Yozgat				
M001		C*		7585	Mark SLR
20803	Melengiclick				
M001		C*		7580	Mark SLR
20804	Yigilca				
M001		C*		7587	Mark SLR
20805	Ankara				
M001		C		7589	SLR mark 1993

Table T2 (cont.)**DIRECTORY OF IERS STATIONS**

DOMES Number	SITE	CLS	4-CHAR ID	CDP NUM.	DESIGNATION
21501 S001	Everest	C*	EVEB		DORIS Ant. Ref. Pt. 10-JUN-93 -
21601 S004	Beijing			7249	BEIJ fixed SLR system
21602 M001 S003	Wuhan	C*		7236	GPS mark Wuhan fixed laser
21604 S003	Purple Mountain	C*	PURA		DORIS Ant. Ref. Pt. 26-AUG-92 -
21605 M001 M002 S001 S008 S009	Shanghai	C B* C B*	SHAO	7837 7226 7227	Mark connect with bedrock GPS marker JPL 4027-S SLR IAR VLBI 6m radiotelescope ref. pt. VLBI 25m antenna ref. pt.
21611 S001	Changchun	C		7237	CHALAS / intersection of axes
21612 S001	Urumqi	C		7330	25 m VLBI antenna reference point
21701 M001 S001 S004	Kashima	C* C*		1856 1857	Metal station mark (Denken 1) 26m VLBI antenna 34m VLBI antenna
21702 M001 S009 S010	Mizusawa	C C*		7314 7314 7324	Mobile VLBI marker Mobile VLBI 10-m VLBI antenna/AZ-EL (MIZNAO10)
21704 S002	Tokyo	C		7308	SLR CRLLAS IAR
21705 S001	Dodaira			7935	DDR Fixed SLR system
21709 S001	Okinawa			7301	SLR IAR HTLRS-1
21718 S001	Miyazaki	C		7312	5m mobile VLBI
21725 S001	Nobeyama	C*		7244	6m VLBI antenna ref. pt.
21726 M001 M002 S001	Simosato	C		7838 7838	Stone marker SLR mark (center of the ring of the base pier) SLR IAR fixed

Table T2 (cont.)

DIRECTORY OF IERS STATIONS

DOMES Number	SITE	CLS	4-CHAR ID	CDP NUM.	DESIGNATION
21729	Usuda				
M001					GPS mark Control RM roof
S001		C		7246	64M VLBI antenna IAR
S002					ROGUE SNR-8/DM R/L1 29-JAN-91/09-AUG-92
S003			USUD		ROGUE SNR-8/DM R/Bottom of the choke ring 29-JAN-91/09-AUG-92
S004					ROGUE SNR-8/DM R/Top of the choke ring 29-JAN-91/09-AUG-92
S005			USUD		ROGUE SNR-8/DM R/Bottom of the choke ring 09-AUG-92/29-OCT-92
S007		C*	USUD		ROGUE SNR-8/DM R/Bottom of the choke ring 29-OCT-92/
21730	Tsukuba				
M001				7311	Mobile VLBI marker
S001		B*		7311	5m mobile VLBI
S002					MINI MAC2816AT/L1 10-JUL-88 - 17-DEC-91
S003					MINI MAC2816AT/L1 18-DEC-91
S004			TSUK		MINI MAC2816AT / Bottom of the antenna
S005		B*	TSKB		TurboRogue/DM T/ARP 15-DEC-93
21731	Shintotsugawa				
M001				7315	Mobile VLBI marker
S001		C		7315	Mobile VLBI
21732	Chichijima				
S001		C*		7316	mobile VLBI
S002		C*		7844	SLR IAR HTLRS-1
21733	Minami Tori sima (Ma				
S001				7300	SLR IAR HTLRS-1
S002		C		7310	mobile VLBI
21735	Tsushima				
S001				7302	SLR IAR HTLRS-1
21736	Ishigaki-shima				
S001				7307	SLR IAR HTLRS-1
21737	Sagara				
S001		C		7325	VLBI antenna Ref. Pt.
21738	Daito				
S001		C		7326	VLBI antenna Ref. Pt.
22006	Manille				
S001		C*	MANA		DORIS Ant. Ref. Pt. 15-FEB-93 -
22306	Bangalore				
M001			IISC		Granite Monument 250 m2
23101	Cibinong				
S001		C*	CIBB		DORIS Ant. Ref. Pt. 29-MAR-93 -
23501	Colombo				
S001		C*	COLA		DORIS Ant. Ref. Pt. 06-JUN-91 -

Table T2 (cont.)

DIRECTORY OF IERS STATIONS

DOMES Number	SITE	CLS	4-CHAR ID	CDP NUM.	DESIGNATION
23601 M001	Taipei	C*	TAIW		GPS mark
23902 S001	Daejeon				TRIMBLE 4000SDT/L1
24901 S001	Bahrein				GPS DMA TI4100 / L1
30101 S001	Helwan	C*		7831	SLR IAR fixed
30302 M002	Hartebeesthoek	B*	HART		Engraved plate below ROGUE antenna
M003		C		7501	SLR mark 1993
S001		B*		7232	26m VLBI antenna ref. pt.
S014					ROGUE SNR-8/DM R/L1 15-JAN-91
S202		B	HBKA		DORIS Ant. Ref. Pt. 10-MAR-88 -
30304 S001	Olifantsfontein			7902	Fixed SLR / Laser Mount Rotation Axes
30313 S001	Marion Island (Princ	C*	MARA		DORIS Ant. Ref. Pt. 15-MAY-87 -
30314 M001	Sutherland	C		7502	SLR mark 1993
30602 S003	Ascension				GPS OCS monitor station
30604 S001	Tristan da Cunha	C*	TRIA		DORIS Ant. Ref. Pt. 12-JAN-92 -
30606 S002	Sainte Helene	C*	HELA		DORIS Ant. Ref. Pt. 31-AUG-89 -
30607 S001	Signy Island		SIGA		DORIS Ant. Ref. Pt. 25-NOV-90 -
30802 S002	Diego Garcia				GPS OCS monitor station
31303 M001	Maspalomas	C*	MASP		PILLAR MPA1
M002		C			GPS mark
31901 S001	Flores	C*	FLOA		DORIS Ant. Ref. Pt. 25-JUN-92 -
31903 S001	Santa Maria	C*	SAMB		DORIS Ant. Ref. Pt. 28-NOV-93 -
31906 M001	Sao Miguel	C*		7609	Ponta Delgada / Mobile VLBI mark 1992

Table T2 (cont.)

DIRECTORY OF IERS STATIONS

DOMES Number	SITE	CLS	4-CHAR ID	CDP NUM.	DESIGNATION
32809	Libreville				
M001					N'Koltang / Borne 1988
S001					TRIMBLE SLD/L1 22-JAN-91 - 13-FEB-91
S002		C*	LIBA		DORIS Ant. Ref. Pt. 11-JAN-88 -
33710	Arlit				
S001		Z	ARLA		DORIS antenna ref. pt. 05-DEC-87 - 09-DEC-92
S002		Z	ARMA		DORIS antenna ref. pt. 11-DEC-92 -
34101	Dakar				
S004		C	DAKA		DORIS Ant. Ref. Pt. 21-APR-93 -
39901	Djibouti				
S002		C	DJIA		DORIS Ant. Ref. Pt. 10-MAR-87 -
40101	St. Johns				
M001		C*	STJO		920000 Concrete pillar on bedrock/plate
40102	Ottawa				
S005		Z	OTTA		DORIS Ant. Ref. Pt. 11-MAR-93 -
40103	Prince Albert				
M001			PRAL		GPS Mark
40104	Algonquin				
M002		B*	ALGO		883160 GPS ARO N. pier
M003		B*		7410	SLR Mark (933000)
S001		B*		7282	46m VLBI antenna ref. pt.
S003					ROGUE SNR-8/DORNE-MARGOLIN B/L1 16-JAN-91 -
40105	Penticton				
M001		Z		7283	Mobile VLBI mark 7283
M002		Z	DRAO		GPS MARK 887006
S002					TI4100/L1
S003					ROGUE SNR-8/DM B/L1 27-FEB-91
40118	Whitehorse				
M001		Z		7284	Mobile VLBI mark 7284
M002		Z		7284	Mobile VLBI mark 7284 PEQ
40124	Calgary				
M001			PRDS		PRIDDIS/GPS Mark
40127	Yellowknife				
M001		B*		7285	Mobile VLBI mark (LBI 829098)
M002					Mark 869211
M003		B*	YELL		Mark 889201
M004		B*		7296	Mobile VLBI MARK (LBI 909012)
S003					TI4100/L1 01-JAN-87 - 02-JUL-89
S004					TI4100/L1 07-JUL-89 - 21-JAN-91
S005					ROGUE SNR-8/DORNE-MARGOLIN B/L1 21-JAN-91 - 19-MAR-91
S006					Mini ROGUE SNR-8C/DORNE-MARGOLIN B/L1 20-MAR-91-
S007		B*	YELA		DORIS Ant. Ref. Pt. 06-JUN-89 -

Table T2 (cont.)

DIRECTORY OF IERS STATIONS

DOMES Number	SITE	4-CHAR CLS ID	CDP NUM.	DESIGNATION
40129	Victoria/Albert Head			
M001		B*	7289	Mobile VLBI mark
M002		PGC1		PGC1 867001
M003		B* ALBH		Albert Head GPS Mark 927000
S001				VICTORIA/ROGUE/L1 16-JAN-91 -
40130	Holberg			
M001		C HOLB		GPS mark
40132	La Grande			
M001		C	7411	Mobile SLR MARKER 7411
40400	Pasadena			
M001		B*	7896	Mark SLR (JPL aries 2 1975)
M003		B*	7263	Mobile VLBI Mark
M005		B*	7264	Mobile VLBI MARK
M006		B* JPLM	7272	Mobile VLBI mark (JPL MV3 1983)
M007		C JPLM	7272	Mobile VLBI mark (JPL MV3 1983) PEQ
M101		WLSN		Mt. Wilson/bedrock/concrete bloch JPL 4028-s
M301		BRAN		Burbank/pipe with fitting adaptor
S004				ROGUE SNR-8/DM R/L1 6-NOV-90 -
40403	Palos Verdes			
M001		C*	7268	Mobile VLBI mark
M002		PVEP		PGGA Mark
40404	Pearblossom			
M001		C*	7254	Mobile VLBI mark (NCMN 1983)
M002			7253	Mobile VLBI mark
M101		HOLC		HOLCOMB RIDGE/ 3/4" Vert. Stainless steel rod
40405	Goldstone			
M001		A*	7085	MOBLAS 7085 Goldstone val
M002		A*	7115	MOBLAS 7115-1979 standard NASA disk
M006		Z	7265	Mojave NCMN 1983 NGS station disk
M010			7287	Mojave TLRS 1984 standard NASA disk
M011				Mojave NCMN 1 1983
M013		A*	7288	Mojave mobile VLBI and TLRS mark(Punchmark on sheared surface of 7287 mark)
S009		A*	7222	Mojave fixed 12m VLBI ref. point
S001		A*	1514	Mars 64m fixed VLBI ref. point (DSS14)
S003		C	1512	(26) 34m fixed VLBI ref. point (DSS12)
S005		C GOMA		DORIS Ant. Ref. Pt. 2 03-AUG-94 -
S014		A*	1513	Venus 26m fixed VLBI ref. point (DSS13)
S019		A*	7231	Mars 34m fixed VLBI ref. point (DSS15)
S020				TI4100/L1 11-NOV-86 - 18-JUL-88
S024				TI4100 FRPA-2/L1/L2 19-JUL-88
S025				MINI MAC 2816AT/L1 05-FEB-89
S026				ROGUE SNR-8/DM R/L1 14-DEC-89
S028		A* GOLD		Goldstone/ ROGUE SNR-8/DM R/Bottom of the choke ring 14-DEC-89
S029		MOJ1		Mojave/MINI MAC 2816AT/Bottom of the antenna 05-FEB-89
S030				Goldstone/ ROGUE SNR-8/DM R/Top of the choke ring 14-DEC-89
S031		C GOLD		Goldstone/ ROGUE SNR-8/DM R/Bottom choke ring PEQ 28-JUN-92-

Table T2 (cont.)

DIRECTORY OF IERS STATIONS

DOMES Number	SITE	CLS	4-CHAR ID	CDP NUM.	DESIGNATION
S032					Goldstone/ ROGUE SNR-8/DM R/Top choke ring PEQ
S033		C		7222	Mojave fixed 12m VLBI ref. point PEQ 28-JUN-92-
S034		C		7231	Mars 34m fixed VLBI ref. point (DSS15)
S035		A*	GOLA		DORIS Ant. Ref. Pt. 1 12-NOV-93 - 03-AUG-94
40406	San Francisco (presi				
M001		C*		7252	Mobile VLBI mark
M002		C		7252	Mobile VLBI mark PEQ
40407	Pinyon Flats				
M001		B*		7256	Mobile VLBI mark (NCMN 1981)
M002		B*	PIN1		Pinyon 1
M003		C	PIN1		Pinyon 1 PEQ
M004			PIN2		Pinyon 2
S001					ROGUE SNR-8/DM B/L1 6-NOV-90 -
40408	Fairbanks				
M001		B*	FAIR		GPS pillar
S001					26m antenna ref. pt.
S002		B*		7225	26m VLBI ref. point (GILMORE CREEK)
S003					ROGUE SNR-8/DM R/L1 17-JAN-91
S004		B*	FAIA		DORIS Ant. Ref. Pt. 10-oct-90 -
40409	Kaena Point (HAWAII)				
S001					GPS OCS monitor station
40410	Point Reyes				
M001		C*		7251	Mobile VLBI mark
40412	Austin				
M001				7890	Mark SLR 7890
M002					Austin monument
M003		C		7271	Mobile VLBI mark
40416	Yakataga				
M001		C*		7277	Mobile VLBI mark
M002		C*		7277	Mobile VLBI mark PEQ
40417	Patrick AFB				
M001				7081	Mark SLR
M002				7069	Mark SLR
40419	Kodiak				
M001		C*		7278	Mobile VLBI mark
40420	Vandenberg/Harvest P				
M001		A*		7111	DMA disk MOBLAS 7111 (1981)
M002		A*		7223	DMA disk VLBI 7223 (1983)
M003				7880	DMA disk TLRS 7880 (1983)
M004		A*		7887	DMA disk TLRS 7887 (1983)
M006			VNDP		PGGA 1991
M007		A*	VNDP		PGGA 1991 PEQ
M101		C	HARV		HARVEST PLATFORM/GPS pier
40421	Nome				
M001		C*		7279	Mobile VLBI mark

Table T2 (cont.)

DIRECTORY OF IERS STATIONS

DOMES Number	SITE	4-CHAR CLS ID	CDP NUM.	DESIGNATION
40423 M001	Sandpoint	C*	7280	Mobile VLBI mark
40424 M004 M005 M006 S001 S002 S003 S004 S006 S007 S008	Kauai (Kokee Park)	B* KOKB B* C B* KOKA	 1311 7298	VERLOT radar building JPL GPS mark 3028-S CIGNET-GPS survey marker JPL GPS temporary mark 9m VLBI ref. point TI4100/L1 - -86 - TI4100 FRPA-2/L1 -APR-88 - 02-JUL-90 TRIMBLE 4000SST/L1 02-JUL-90 - 17-MAR-92 ROGUE SNR-8/DM R/L1 21-NOV-90 - 20-m VLBI antenna/AZ-EL DORIS Ant. Ref. Pt. 25-SEP-90 -
40425 M001 M002	Sourdough	C C	7281 7281	Mobile VLBI mark Mobile VLBI mark PEQ
40427 M001 M002 M003	Fort Ord	C C C	7266 7241 7241	Mobile VLBI mark (NCMN 1981) Mobile VLBI mark Mobile VLBI mark PEQ
40428 M001	Santa Paola	C*	7255	obile VLBI mark
40430 M001	Black Butte	C*	7269	obile VLBI mark (NCMN 1982)
40431 M001	Deadman Lake	C*	7267	obile VLBI mark
40432 M001 M002	Ely	C* C*	7286 7257	obile VLBI mark R.M. 2 1954 obile VLBI mark
40433 M001 M002 M004 M005 M006	Quincy	A* A* A* QUIN A* A*	7051 7109 7221 7886 7260	Steel plate MOBLAS 7051 MOBLAS 7109 (1981) Standard NASA disk QUINCY NCMN Standard NASA disk (7221-1982) TLRS 7886 (1982) standard NASA disk Quincy ARIES 1979
40434 M002 S001	Mount Hopkins		7888 7921	Mark SLR SLR IAR (SAO)
40436 M002 M003	San Diego Otay Mount	B* B*	7062 7035	Mark SLR Circular 5" steel plate Mark SLR 7035 1988
40437 M001 M002	Mammoth Lakes	C* C* CASA	7259	Mobile VLBI mark GPS Mark JPL 4087-S

Table T2 (cont.)

DIRECTORY OF IERS STATIONS

DOMES Number	SITE	4-CHAR CLS ID	CDP NUM.	DESIGNATION
40438	Bear Lake			
M001		C*	7082	Mark SLR (4" x 4" Steel plate)
M002		C*	7046	SLR mark
40439	Owens Valley			
M001		A*	7114	MOBLAS 7114 (1979) standard NASA disk
M003		A*	7084	MOBLAS, TLRS 7084 standard NASA disk
M004		A*	7853	Mobile VLBI Jul 87 standard NASA disk
S002		A*	7207	40m VLBI ref. point
S006		C	7616	VLBA antenna reference point
40440	Haystack/Westford			
M001		Z	7091	MOBLAS Haystack Inter Comp 1977
M004				Monument MICRO
S002		Z	7205	Haystack / 37m VLBI ref. point
S003		Z	7209	Westford / 18m VLBI ref. point
S014				TI4100/L1 -OCT-86 - 04-AUG-88
S016				TI4100 FRPA-2/L1/L2 05-AUG-88 - 14-FEB-89
S017				MINI MAC 2816AT/L1 29-JAN-89 -
S019		WES1		MINI MAC 2816AT / Bottom of the antenna
S020		Z WES2		Rogue SNR-8000/DM T/BPA 08-FEB-93
40441	Greenbank			
S001		C*	7204	43m radiotelescope ref. pt.
S004		C*	7214	85-foot antenna ref. pt. NRAO85-3
S005		C*	7248	85-foot antenna ref. pt. NRAO85-1
S006		C*	7214	85-foot antenna ref. pt. NRAO85-3 PEQ
S007		C	????	20-m antenna ref. pt.
40442	Fort Davis			
M004				McDonald RM4 1977
M001		A*	7086	MLRS, MOBLAS, TLRS-1 standard NASA disk
M005		A*	7885	MLRS, MOBLAS, TLRS-1 standard NASA disk
M006		A*	7080	MLRS mark 7080 1988
M008		A*	7850	Mobile VLBI and SLR mark 7850 1988
M009		A*	7900	Mobile VLBI mark (Havard RM 5 1977)
M010			7897	SLR Mark 7850
M011			7851	SLR MARK 7851
M012		A* MDO1		GPS Mark 4011-S
S002		A*	7206	LLR McDonald 2
S001		A*	7086	LLR MLRS
S003		A*	7216	85-foot VLBI ref. point (HRAS 085)
S017		A*	7613	VLBA antenna reference point
40445	Maui			
M001		A*	7210	HOLLAS fixed carriage bolt
M002		A*	7120	MOBLAS 7120 (1980)
S005		A*		LLR Haleakala transmitter
40449	Ocotillo			
M001		C*	7270	Mobile VLBI mark (NCMN 1982)
40451	Washington			
M110				Greenbelt north GEOS(GSFC) GORF
M107		A*	7064	Mobile SLR 7064 standard NASA disk
M108		A*	7065	Mobile SLR 7065 standard NASA disk
M101		A*	7101	MOBLAS 7101-1977 standard NASA disk

Table T2 (cont.)

DIRECTORY OF IERS STATIONS

DOMES Number	SITE	4-CHAR CLS ID	CDP NUM.	DESIGNATION
40451	Washington	(cont.)		
M102		A*	7102	Mobile SLR 7102-1978 standard NASA disk
M103		A*	7103	Mobile SLR 7103-1978 standard NASA disk
M104		A*	7104	Mobile SLR 7104-1978 standard NASA disk
M105		A*	7105	MOBLAS -7 7105-1981 standard NASA disk
M106		A*	7100	Mobile SLR 7100-1977 standard NASA disk
M111		A*	7899	TLRS 7899-1980 standard NASA disk
M112		A*	7063	STALAS fixed Laser standard NASA disk
M113			7106	SLR mark
M114		A*	7125	SLR mark 7125 1985 standard NASA disk
M115			8213	SLR mark
M116		A*	7130	SLR mark 7130 1985 standard NASA disk
M117		A*	7920	SLR mark 7125-B standard NASA disk
M118		A*	7889	SLR mark 7889 1981 standard NASA disk
M119			7917	SLR mark 7917 Steel plate SAO-3
M120		A*	7918	SLR mark standard NASA disk
M121		A*	7919	SLR mark standard NASA disk
M122			7083	SLR mark standard NASA disk
M123		A* GODE		GPS Mark East (JPL 4006)
M124		GODW		GPS Mark West (JPL 4005)
M125		A*	7108	Mark SGP 7108-1993
40452	Bloomington			
M001		C	7291	Mobile VLBI mark
40453	Carrollton			
M001		C	7228	Mobile VLBI mark
40454	Leonard			
M001		C	7292	Mobile VLBI mark
40455	Miles City			
M001		C	7038	Mobile VLBI mark
40456	Pietown			
M001		B PIE1		Concrete GPS pier JPL 4009 S
S001		B	7234	VLBA antenna reference point
40457	Seattle			
M001		C*	7229	Mobile VLBI mark
40460	La Jolla/SCRIPPS			
M001		SIO1		SCRIPPS 1 1989 UCSD IGPP
M002		SIO2		SCRIPPS 2
M003		SIO2		SCRIPPS 2 PEQ
M004		SIO3		SCRIPPS 3
40463	Los Alamos			
S001		C*	7611	VLBA antenna reference point
40464	Carr Hill			
M001		CARR		GPS Mark
40465	North Liberty			
M001		B* NLIB		Concrete GPS pier JPL 4007 S
S001		B*	7612	VLBA reference point (intersection of axes)

Table T2 (cont.)

DIRECTORY OF IERS STATIONS

DOMES Number	SITE	CLS	4-CHAR ID	CDP NUM.	DESIGNATION
40466 S001	Kitt Peak	C*		7610	25-m VLBA antenna reference point
40471 S001	Hancock	C		7618	25-M VLBA antenna reference point
40472 S001	Colorado Springs				GPS OCS monitor station
40473 S001	Brewster	C*		7614	25-M VLBA antenna reference point
40474 M001	Lake Mathews		MATH		PGGA Mark
40475 S001	Waimea (Hawaii)	C	WAIA		DORIS Ant. Ref. Pt. 10-SEP-90 -
40476 S001	Hawaiian Volcano Obs	C	HVOA		DORIS Ant. Ref. Pt. 17-SEP-90 -
40477 S001	Mauna Kea	C		7617	25-M VLBA antenna reference point
40478 M001 M101	Chatsworth		CHTP OATT		PGGA Mark (stainless steel pin in rock) Oatt Mountain/concrete bunker/ss-pin JPL 4029-s
40479 M001	Blythe		BLYT		PGGA Mark Nov. 1993
40480 M001	Bommer Canyon		TRAK		PGGA Mark sandstone rock/stainless steel rod
40481 M001	Yucaipa		CRFP		PGGA Mark
40482 M001	Long Beach City		LBCH		JPL 4500-s
40483 S001	Westlake/Allen Osbor		AOA1		ROGUE SNR-8000/DM T/ARP 07-SEP-94 -
40484 M001	Chilao Flates/San Ga		CHIL		3/4" Vert. Stainless steel rod with brass adaptor
40485 M001	Longdon/Irwindal		LONG		3/4" Vert. Stainless steel rod with brass adaptor
40486 M001	Pinemeadow		ROCH		PGGA Marker
40487 M001 M002	Los Angeles		USC1 UCLP		Univ. of South Calif./Steel Pillar on Vault Univ. of Calif./ GPS marker

Table T2 (cont.)

DIRECTORY OF IERS STATIONS

DOMES Number	SITE	CLS	4-CHAR ID	CDP NUM.	DESIGNATION
40489	Hat Creek				
M001					Mark NCMN B
S001		C		7218	26m VLBI ref. point of radio telescope
40490	Maryland Point				
S001		C*		7217	(26m) 85-foot radiotelescope
40491	Flagstaff				
M002		C*		7891	Mark SLR (RMT N 4 1981)
M003		C*		7261	Mobile VLBI mark
40492	Vernal				
M001				7892	Mobile SLR and VLBI mark (NCMN 1981)
M002		C*		7290	Mobile SLR and VLBI mark (NCMN 1985)
40493	Yuma				
M001		C*		7894	Mobile SLR and VLBI mark
40496	Platteville				
M002		A*		7258	NCMN 1981 mobile VLBI NGS station disk
M001		A*		7112	Moblas 7112-1980 standard NASA disk
40497	Monument Peak				
M001		B*		7110	ORT station 7110-1981 standard NASA disk
M002		B*		7220	ARIES ORION STA 7220-1981
M003		B*		7274	NCMN 1983 mobile VLBI NGS disk
M004			MONP		PGGA MARK
40498	VLA				
S001		C		7619	VLA INTERFEROMETER Ref. Pt.
40499	Richmond				
M001					Timer 1962
M002		A*	RCM2	7295	Mark SLR
M005		A*	RCM4		Stainless steel plate (Richmond 1993)
S001		A*		7219	65 foot VLBI antenna
S009					TI4100 FRPA-2/L1/L2 09-FEB-88 - 24-FEB-89
S011					MINI MAC 2816AT/L1 05-FEB-89 -
S013					MINI MAC 2816AT/Bottom of the antenna
S015		A*	RICA		DORIS Ant. Ref. Pt. 1 01-DEC-87 - 26-OCT-92
S016		A*	RIDA		DORIS Ant. Ref. Pt. 2 04-JAN-93 -
S017			RCM3		Turbo Rogue SNR-8000/DM T/BPA 26-OCT-93
S018		A*	RCM5		Turbo Rogue SNR-8000/DM T/BPA 11-OCT-93
40503	Socorro Island				
S002		C	SOCA		DORIS Ant. Ref. Pt. 1 09-JUN-89 - 07-FEB-91
S003		C	SODA		DORIS Ant. Ref. Pt. 2 27-JUL-92 -
40504	Mazatlan				
M001		C*		7122	MOBLAS 7122-1983 standard NASA disk
40505	Cabo San Lucas				
M001		C*		7882	Mark SLR 7882 1983
40506	Ensenada				
M001		C*		7883	SLR mark 7883

Table T2 (cont.)

DIRECTORY OF IERS STATIONS

DOMES Number	SITE	4-CHAR CLS ID	CDP NUM.	DESIGNATION
40701 S001	Santiago de Cuba	C	1953	SLR IAR
41505 S006	Buenos Aires			GPS DMA TI4100 / L1
41507 S003 S004	Rio Grande	C* RIOA C* RIOB		DORIS Ant. Ref. Pt. 1 02-DEC-87 - 17-JAN-95 DORIS Ant. Ref. Pt. 2 20-JAN-95 -
41602 M001 S001	Fortaleza	B* FORT B*	7297	Bronze plate SAT92009 45-foot VLBI antenna
41604 S001	Natal		7929	SLR IAR
41609 S001	Cachoeira Paulista	C CACB		DORIS Ant. Ref. Pt. 13-AUG-92 -
41703 M001 M002 M003 S008	Easter Island	B* B* B* EIS1 B* EASA	7061 7097	TLRS-2 7061-1983 NASA-GSFC station disk TLRS-2 7097-1986 NASA brass disk GPS mark JPL 4008-S DORIS Ant. Ref. Pt. 02-NOV-92 -
41705 M001 M002 M003 S004 S006 S007	Santiago	B* B* B* SANT B* B* SANA	7400 1404	Mark SLR GPS Mark (GIG'91) GPS Mark JPL 4001-S ROGUE SNR-8/DM R/L1 15-JAN-91 - 12m VLBI antenna IAR DORIS Ant. Ref. Pt. 23-NOV-88 -
41706 M001	Cerro Tololo	C*	7401	Mark SLR
41709 S001	Sest	C*	7239	VLBI antenna
41901 M001	Bogota	C BOGT		GPS MARKER JPL 4022-S/INGEOMINAS COMPLEX
42003 S001	Quito			GPS DMA TI4100 / L1
42004 S001	San Cristobal (Galap	C* GALA		DORIS Ant. Ref. Pt. 10-JUN-91 -
42202 M002 M003 M004 M005 S001 S005	Arequipa	B* B* B* AREQ B* B* AREA	7403 7907	Satellite mark 1961 Mark SLR East Satellite mark Ref. 1 GPS marker JPL 4021-s SAO-2 fixed laser DORIS Ant. Ref. Pt. 02-MAR-93 -

Table T2 (cont.)

DIRECTORY OF IERS STATIONS

DOMES Number	SITE	4-CHAR CLS ID	CDP NUM.	DESIGNATION
42501	Bermuda			
M001			7067	Mark SLR
M002		C	7294	Mobile VLBI mark
S004		C BRMU		Turbo Rogue SNR-8000/DM T/BPA 12-MAR-93
43201	Sainte Croix			
M001				VLBA RM 1 JPL 4023
S001		C*	7615	25-M VLBA antenna reference point
43602	Grand Turk			
M001				Mark SKI 1952
M002			7068	Mark SLR
50103	Canberra-Tidbinbilla			
M106			7843	Orroral/center ground mark 7843
M107		ORRO		Orroral/Mark AU005/PLATE ON COLLIMATION TOWER
M108		B* TIDB		Tidbinbilla/SPC40 (AU017) (JPL 4002 - S 1992)
M109				Tidbinbilla/NM/C/194
M110				Tidbinbilla/NM/C/196
S003		B*	7943	SAO-3 fixed laser
S007		B*	7843	NLRS (coude mirror 7)
S001		B*	1543	DSS43 Antenna
S005		B*	1542	DSS42 Antenna
S006			1544	DSS44 Antenna
S010		B*	1545	DSS45 Antenna
S012				Tidbinbilla/ROGUE SNR-8/DM R/L1 20-MAR-90-03-FEB-92
S013				Orroral/TRIMBLE SST /L1
S014				Tidbinbilla/ROGUE SNR-8/DM R/L1 03-FEB-92-10-MAY-92
S015				Tidbinbilla/ROGUE SNR-8/DM R/L1 11-MAY-92-
S016				Orroral/ASHTech/L1 15-MAY-92-
S017				Tidbinbilla/ROGUE SNR-8/DM R/Bottom of the choke ring 11-MAY-92-
S018				Orroral/ASHTech/Bottom antenna 15-MAY-92-
S019				Tidbinbilla/ROGUE SNR-8/DM R/Top of the choke ring 20-MAR-90-03-FEB-92
S020		DS40		Tidbinbilla/ROGUE SNR-8/DM R/Bottom of the choke ring 20-MAR-90-03-FEB-92
S021		DS41		Tidbinbilla/ROGUE SNR-8/DM R/Bottom of the choke ring 03-FEB-92-10-MAY-92
S201		B* ORRA		DORIS Ant. Ref. Pt. 10-MAR-93 -
50106	Smithfield			
S005				GPS DMA TI4100 / L1
50107	Yarragadee			
M001		B*	7090	MOBLAS 7090 brass disk
M004		B* YAR1		Mark RM-4
S005				ROGUE SNR-8/DM R/L1 15-DEC-90 -
S006		B* YARA		DORIS Ant. Ref. Pt. 14-SEP-92 -
50108	Parkes			
S001		C	7202	64-m Radiotelescope Ref. point

Table T2 (cont.)

DIRECTORY OF IERS STATIONS

DOMES Number	SITE	CLS	4-CHAR ID	CDP NUM.	DESIGNATION
50116	Hobart				
M001					West pillar
M002					North pillar
M003		C	HOB1		U-Chanel plate
M004		C	HOB2		Pillar/stainless steel plate (AU16)
S002		C		7242	VLBI antenna ref. pt.
S003					MINIMAC 2816AT/L1 21-JAN-90 -
S004					MINIMAC 2816AT/Bottom of the antenna
50126	Townsville				
M001					Pillar on the office building roof
S002					TRIMBLE 4000SST/L1 25-JUL-90 -
S004			TOWN		TRIMBLE 4000SST/Bottom of the antenna
50133	Perth				
M001			PERT		GPS Mark
50134	DARWIN				
M001			DARW		GPS Mark
50135	Macquarie Island				
M001			MAC1		pillar/atainless steel plate
50208	Wellington				
M001					Pillar on the DOSLI building roof
S001					TRIMBLE 4000SST/L1 15-FEB-90 -
S002			WELL		TRIMBLE 4000SST/Bottom of the antenna
50501	Guam				
M002			GUAM		GUAM OBS./ROOF/GUMO 1992-LAMONT-DOHERTY EARTH OBSERVATORY
S001		C	GUAB		DORIS Ant. Ref. Pt. 12-DEC-93 -
50503	American Samoa				
M001				7096	Mark SLR
50505	Kwajalein Atoll				
M001		C*		7092	Mark SLR
S003		C*		4968	Tardex 26m antenna ref. pt.
S004					GPS OCS monitor station
51001	Port Moresby				
S001		C*	MORA		DORIS Ant. Ref. Pt. 15-NOV-92 -
66001	Mc Murdo				
M001		C	MCMU		GPS mark (MCMGPS) (11-FEB-92 - 31-OCT-93)
M003		C	MCM4		GPS MARK new location (wait for description)
S001					ROGUE SNR-8/DM R/L1 11-FEB-92/31-OCT-93
S006		C	MCM2		ROGUE SNR-8/DM R/ARP 31-OCT-93 - ?
66006	Syowa				
S001		C	SYOB		DORIS Ant. Ref. Pt. 10-FEB-93 -
66007	Rothera				
S001		C*	ROTA		DORIS Ant. Ref. Pt. 03-FEB-92 -

Table T2 (cont.)

DIRECTORY OF IERS STATIONS

DOMES Number	SITE	CLS	4-CHAR ID	CDP NUM.	DESIGNATION
66008	O'Higgins				
M001		Z	OHIG		METAL PLATE/PILLAR K5
M002		Z	OHIG		BOLT/PILLAR K5
S001		Z		7245	9-m VLBI antenna
66010	Davis				
M001		C	DAV1		pillar/atainless steel plate (AUS99)
66011	Casey				
M001		C	CAS1		pillar/atainless steel plate (AUS100)
91201	Kerguelen				
M002		B*	KERG		IGNF BRASS MARK RBGM
S002		B*	KERA		DORIS Ant. Ref. Pt. 18-JAN-87 - 21-NOV-94
S003		B*	KERB		DORIS Ant. Ref. Pt. 21-NOV-94 -
91401	Amsterdam				
S001		C*	AMSA		DORIS Ant. Ref. Pt. 23-DEC-90 -
91501	Ile des Petrels				
S001		C*	ADEA		DORIS Ant. Ref. Pt. 01-JAN-89 -
92201	Pamatai				
M003		C*			IGN brass mark
S003					ASHTech/L1 22-JAN-91 - 13-FEB-91-
S004					ROGUE SNR-8/DM R/L1 01-JAN-92
92202	Huahine (Motu Hiumo				
M001					Tube Huahine no. 5
M002		C*		7121	MOBLAS-1 7121-1982 standard NASA disk
M003				7123	TLRS-2 7123 CSR reference
M004		C*		7123	TLRS-2 7123 standard NASA disk
M005					Mark RM-1
S008					ASHTech/L1 22-JAN-91 - 13-FEB-91
S009		C*	HUAA		DORIS Ant. Ref. Pt. 10-JAN-89 -
92701	Noumea				
S001		C*	NOUA		DORIS Ant. Ref. Pt. 19-JUN-91 -
92901	Wallis				
S001		C*	WALA		DORIS Ant. Ref. Pt. 02-JAN-89 -
97101	Le Moule (Guadeloupe				
M001					RBGM / Borne
S001					ASHTech/L1 22-JAN-91 - 13-FEB-91
97301	Kourou				
M201					Pillar Diane I (84)
M210		B*	KOUR		Mark at the center of a horizontal metal plate embedded on the concrete monument
S001					ASHTech/L1 22-JAN-91 - 13-FEB-91
S004		B*	KRUB		DORIS Ant. Ref. Pt. 2 25-JUN-92 -
S005		B*	KRUA		DORIS Ant. Ref. Pt. 1 06-DEC-86 - 10-NOV-92
97401	La Reunion				
S001		C*	REUA		DORIS Ant. Ref. Pt. 01-JAN-87 -

Table T3

OCCUPANCIES OF IERS SITES

Colocation

DOMES					
Number	Site/point nb.	1	2	3	Years of occupancy
-----	-----	-	-	----	-----
10002	Grasse				
M003	1	R	T	7605	89
M003	1	P	T		93
S001	2	L	P	7835	79-
S002	3	M	P	7845	79-
S014	4	D	T		91
10004	Brest				
M002	1	R	T	7604	89
S001	1	D	T		91
10003	Toulouse				
M003	1	R	T	7608	92
S001	2	D	P	TLSA	89-
10302	Tromso				
M002	1	R	T	7602	89, 92
M002	1	L	T	7602	90
M003	2	P	P	TROM	91-
S010	3	D	P	TROA	90-
10317	Ny-Alesund				
M001	1	P	P	NYAL	91-
S002	2	D	P	SPIA	87-
S003	3	R	P	7341	94-
10402	Onsala				
M004	1	P	P	ONSA	92-
M006	2	R	T	7211	92
S001	3	R	P	7212	81-
S002	4	R	P	7213	77-
10503	Metsahovi				
M002	1	R	T	7601	89
S001	2	L	P	7805	78-
S011	3	P	P	METS	92-
S013	4	D	P	META	88-
11001	Graz				
M002	1	P	P	GRAZ	92-
S002	2	L	P	7839	83-
12205	Borowiec				
M002	1	P	P	BOR1	94-
S001	2	L	P	7811	76-
12334	Kitab				
M001	1	P	P	KIT3	94-
S004	2	D	P	KITA	93-

1 : Type of technique (R: VLBI, M: LLR, P: GPS, L: SLR, D: DORIS)
 2 : Permanent or Temporary occupancy
 3 : CDP number or 4-char abbreviation

Table T3 (cont.)

OCCUPANCIES OF IERS SITES

Colocation

DOMES

Number	Site/point nb.	1	2	3	Years of occupancy
12337	Simeis - Katzively				
M001	1	L	T	7561	91
S003	2	L	P	1873	76-
S006	3	L	P	1893	76-
S008	4	R	P	7332	94-
12602	Dionysos				
M002	1	L	T	7515	86,87,89,90,92
S001	2	L	P	7940	84-
S011	3	D	P	DIOA	89-
12711	Bologna-Medicina				
M002	1	L	T	7546	88
S001	2	R	P	7230	87-
12717	Noto				
M001	1	L	T	7543	90,93
S001	2	R	P	7547	89-
12734	Matera				
M004	1	L	T	7541	86
M005	2	L	T	7540	86
M007	3	P	T		91-
M008	4	P	P	MATE	92-
S001	5	L	P	7939	83-
S005	6	R	P	7243	90-
13212	Herstmonceaux				
M007	1	P	P	HERS	92-
S001	2	L	T	7840	83-
13407	Madrid				
S001	1	R	P	1563	79
S003	2	R	P	1561	83-
S005	3	R	P	1562	
S010	4	R	P	1565	88-
S012	5	P	P	MADR	91-
13504	Kootwijk				
M002	1	L	T	8833	84,85,88,89,90
M003	2	P	P	KOSG	91-
S001	3	L	P	7833	76-
14001	Zimmerwald				
M002	1	P	P	ZIMA	92-
M004	2	P	P	ZIMM	92-
S001	3	L	P	7810	84-
14106	Potsdam				
M003	1	P	P	POTS	94-
S001	2	L	P	1181	74-
S009	3	L	P	7836	91-

Table T3 (cont.)

OCCUPANCIES OF IERS SITES

Colocation

DOMES		1	2	3	Years of occupancy
Number	Site/point nb.				
14201	Wettzell				
M003	1	L	T	7595	
M004	2	L	T	7596	85
M005	3	L	T	7597	85,92
M006	4	P	T	7598	91
M006	4	L	T	7598	
M007	5	L	T	7599	84
M009	6	P	P	WETT	92-
M010	7	P	P	WTZR	95-
S002	8	L	P	7834	78-
S004	9	R	P	7224	83-91
S018	10	L	P	8834	90-
20702	Bar Giyyora				
M001	1	L	P	7530	85-
M002	2	P	T	BARG	92
21605	Shanghai				
M002	1	P	P	SHAO	95-
S001	2	L	P	7837	83-
S008	3	R	P	7226	86-
S009	4	R	P	7227	88-
21729	Usuda				
S001	1	R	P	7246	90
S003	2	P	T	USUD	91
S005	3	P	T	USU2	92
S007	4	P	P	USU3	92-
21730	Tsukuba				
S001	1	R	T	7311	84,85,86,87,88,89
S004	2	P	T	TSUK	92
S005	3	P	P	TSKB	93-
21732	Chichijima				
S001	1	R	T	7316	87,89
S002	2	L	T	7844	88
21733	Minami Tori Sima (Marcus)				
S001	1	L	T	7300	89
S002	2	R	T	7310	90
30302	Hartebeesthoek				
M002	1	P	P	HART	91-
M003	2	L	T	7501	93
S001	3	R	P	7232	87-
S202	4	D	P	HBKA	88-
31903	Santa Maria / 31906			Sao Miguel	
/M001	1	R	T	7609	92
S001	2	D	P	SAMB	93

Table T3 (cont.)

OCCUPANCIES OF IERS SITES

Colocation

DOMES

Number	Site/point nb.	1	2	3	Years of occupancy	

31906	Sao Miguel	(see 31903 Santa Maria)				
40102	Ottawa / 40104	Algonquin				
/M002	1	P	P	ALGO	91-	
/M003	2	L	T	7410	93	
/S001	3	R	P	7282	84-	
S005	4	D	P	OTTA	93-	
40104	Algonquin (see 40102 Ottawa)					
40105	Penticton					
M001	1	R	T	7283	84,85,90	
M002	2	P	P	DRAO	92-	
40127	Yellowknife					
M001	1	R	T	7285	84,85	
M003	2	P	P	YELL	91-	
M004	3	R	P	7296	91-	
S007	4	D	P	YELA	89-	
40129	Victoria-Albert	Head				
M001	1	R	P	7289	90	
M002	2	P	P	PGC1	91-	
M003	3	P	P	ALBH	92-	
40400	Pasadena					
M001	1	L	T	7896	80-81	
M003	2	R	T	7263	80,81,82,83,84,85,86,87,88	
M005	3	R	T	7264	80,81,82,83,84	
M006	4	R	T	7272	83	
M006	4	P	P	JPLM	91-92	
M007	5	pq	P	P	JPLM	92-
M101	6		P	P	WLSN	94-
40403	Palos Verdes					
M001	1	R	T	7268	80,81,83,85,87,88,89	
M002	2	P	P	PVEP	93-	
40405	Goldstone-Mojave					
M001	1	L	T	7085	78	
M002	2	L	T	7115	79-81	
M006	3	L	T	7265	84	
M013	4	L	T	7288	88,89,90,91	
M013	4	R	T	7288	88	
S001	5	R	P	1514	78-	
S003	6	R	P	1512		
S009	7	R	P	7222	83-92	
S014	8	R	P	1513	80-	
S019	9	R	P	7231	88-92	
S028	10	P	P	GOLD	91-92	
S029	11	P	P	MOJ1	89	
S031	12	pq	P	P	GOLD	92-
S033	13	pq	R	P	7222	92-

Table T3 (cont.)

OCCUPANCIES OF IERS SITES

Colocation

DOMES

Number	Site/point nb.	1	2	3	Years of occupancy
-----	-----	-	-	----	-----
S034	14	pq	R	P	7231 92-
S035	15		D	P	GOLA 93-94
S005	16		D	P	GOMA 94-
40407	Pinyon Flats				
M001	1		R	T	7256 81,83,84,85,86,87,88
M002	2		P	P	PIN1 91-92
M003	3	pq	P	P	PIN1 92-
M004	4		P	P	PIN2 92-
40408	Fairbanks				
M001	1		P	P	FAIR 91-
S002	2		R	P	7225 84-
S004	3		D	P	FAIA 90-
40412	Austin				
M001	1		L	T	7890 80,81
M003	2		R	T	7271 87
40420	Vandenberg-Harvest Platform				
M001	1		R	T	7111 81,83
M001	1		L	T	7111 82
M002	2		R	P	7223 83-91
M004	3		L	T	7887 83
M006	4		P	T	VANP 92
M007	5	pq	P	P	VANP 92-
M101	6		P	P	HARV 92-
40424	Kokee Park				
M004	1		P	P	KOKB 91-93
M006	2		P	T	KOK2 93
S001	3		R	P	1311 84-
S007	4		R	P	7298 93
S008	5		D	P	KOKA 90-
40433	Quincy				
M001	1		L	T	7051 76,79,81
M002	2		L	P	7109 81-
M004	3		R	T	7221 82,83,84,85,86,87,88,89,90
M004	3		P	P	7221 92-
M005	4		L	T	7886 83,84
M006	5		R	T	7260 79
40436	San Diego-Otay Mountain / 40497 Monument Peak				
/M001	1		L	P	7110 81-
/M002	2		R	T	7220 81,82,83
/M002	2		L	T	7220 83-85
/M003	3		R	T	7274 84,85,86,87,88,89,90
/M003	3		L	T	7274 85
/M004	4		P	P	MONP 94-
M002	1		L	T	7062 76,77,78,79,81,83,84
M003	2		L	T	7035 88

Table T3 (cont.)**OCCUPANCIES OF IERS SITES****Colocation****DOMES**

Number	Site/point nb.	1	2	3	Years of occupancy
-----	-----	-	-	----	-----
40437	Mammoth Lakes				
M001	1	R	T	7259	83,84,86
M002	2	P	P	CASA	92-
40439	Owens Valley				
M001	1	L	T	7114	79,80,81,82,83
M003	2	L	T	7084	78
M004	3	R	T	7853	87
M004	3	L	T	7853	88,90
S002	4	R	P	7207	76-
S006	5	R	P	7616	90-
40440	Haystack-Westford				
M001	1	L	T	7091	78,79,80,88,90
S002	2	R	P	7205	76-
S003	3	R	P	7209	81-83
S019	4	P	P	WES1	89-
S020	5	P	P	WES2	93-
40442	Fort Davis-McDonald				
M001	1	L	P	7086	79,80,82,83,84,85,86,87,88
M005	2	L	T	7885	82
M006	3	L	P	7080	88-
M008	4	R	T	7850	88
M008	4	L	T	7850	93
M009	5	R	T	7900	88
M012	6	P	P	MDO1	93-
S001	7	M	P	7086	82,85,86,87,88
S002	8	M	P	7206	76-85
S003	9	R	P	7216	80-
S014	10	M	P	7080	88-
S017	11	R	P	7613	90-
40445	Maui				
M001	1	L	P	7210	79-
M002	2	R	T	7120	88
M002	2	L	T	7120	80-82
S005	3	M	P	7210	76-
40451	Washington				
M101	1	L	T	7101	78,79,82
M102	2	R	P	7102	89-
M102	2	L	P	7102	78-89
M103	3	L	T	7103	79,82
M104	4	L	T	7104	79
M105	5	L	P	7105	81-
M106	6	L	T	7100	77,78
M107	7	L	T	7064	77
M108	8	L	T	7065	77
M111	9	L	T	7899	80
M112	10	L	P	7063	76-81
M114	11	L	T	7125	85,87
M116	12	L	T	7130	85-87

Table T3 (cont.)

OCCUPANCIES OF IERS SITES

Colocation

DOMES

Number	Site/point nb.	1	2	3	Years of occupancy
40451	Washington (cont.)				
M117	13	L	P	7920	85,86,87,88,89,90,91,92,93
M118	14	L	T	7889	82,84,85
M119	15	L	T	7917	84,85
M120	16	L	T	7918	85,86,87,88,90,91,92,93
M121	17	L	T	7919	85-87
M123	18	P	P	GODE	93-
M125	19	R	T	7108	93
40456	Pietown				
M001	1	P	P	PIE1	92-
S001	2	R	P	7234	88-
40465	North Liberty				
M001	1	P	P	NLIB	93-
S001	2	R	P	7609	90-
40491	Flagstaff				
M002	1	L	T	7891	81
M003	2	R	T	7261	84,85,86,87,88,89,90
40492	Vernal				
M001	1	L	T	7892	81,82
M002	2	R	T	7290	86,87,88,89,90
40493	Yuma				
M001	1	R	T	7894	83,84,85,86,87,88
M001	1	L	T	7894	83
M002	2	R	T	7273	81
40496	Platteville				
M001	1	L	P	7112	81-84,88,90,91
M002	2	R	P	7258	83,84,85,86,87,88,89,90
40497	Monument Peak (see 40436 San Diego-Otay Mountain)				
40499	Richmond				
M002	1	L	T	7295	88,91
M002	1	P	P	7295	92-
M005	2	P	T	RCM4	93
S001	3	R	P	7219	85-
S013	4	P	P	RCMA	89-
S015	5	D	P	RICA	87-92
S016	6	D	P	RIDA	93-
S017	7	P	P	RCM3	93-
S018	8	P	P	RCM5	93-
41602	Fortaleza				
M001	1	P	P	FORT	93-
S001	2	R	P	7297	93-

Table T3 (cont.)

OCCUPANCIES OF IERS SITESColocation

DOMES					
Number	Site/point nb.	1	2	3	Years of occupancy
41703	Easter island				
M001	1	L	T	7061	83,84
M002	2	L	T	7097	87,88,89,90,91,92,93
M003	3	P	P	EIS1	94-
S008	4	D	P	EASA	92-
41705	Santiago				
M001	1	L	T	7400	84
M002	2	P	T		91
M003	3	P	P	SANT	92-
S006	4	R	P	1404	91-
S007	5	D	P	SANA	88-
42202	Arequipa				
M003	1	L	P	7403	90,91,92
M004	2	P	T		94
M005	3	P	P	AREQ	94-
S001	4	L	P	7907	76-
S005	5	D	P	AREA	93-
42501	Bermuda				
M001	1	L	T	7067	75,76,78
M002	2	R	T	7294	87
S004	3	P	P	BRMU	93-
43201	Sainte Croix				
M001	1	P	T		94
S001	2	R	P	7615	93-
50103	Canberra-Orroral-Tidbinbilla				
M106	1	L	P	7843	85-
M107	2	P	P	ORRO	92
M108	3	P	P	TIDB	92-
S001	4	R	P	1543	78-
S003	5	L	P	7943	76-82
S005	6	R	P	1542	78-
S006	7	R	P	1544	78-
S007	8	L	P	7843	85-
S010	9	R	P	1545	88-
S020	10	P	T	DS40	90-92
S021	11	P	T	DS41	92
S201	12	D	P	ORRA	93-
50107	Yarragadee				
M001	1	L	P	7090	79-
M004	2	P	P	YAR1	91-
S006	3	D	P	YARA	92-
50116	Hobart				
M003	1	P	P	HOB1	93-94
M004	2	P	P	HOB2	94-
S002	3	R	P	7242	89-
S004	4	P	T		92

Table T3 (cont.)

OCCUPANCIES OF IERS SITES

Colocation

DOMES

Number	Site/point nb.	1	2	3	Years of occupancy
-----	-----	-	-	----	-----
50501	Guam				
M002	1	P	P	GUAM	95-
S001	2	D	P	GUAB	93-
50505	Kwajalein Attol				
M001	1	L	T	7092	79-80
S003	2	R	P	4968	84-
66008	O'higgins				
M001	1	P	P	OHIG	95-
S001	2	R	P	7245	92-
91201	Kerguelen				
M002	1	P	P	KERG	94-
S002	2	D	P	KERA	87-94
S003	3	D	P	KERB	94-
92202	Huahine				
M002	1	L	T	7121	83-86
M004	2	L	P	7123	87-93
S009	3	D	P	HUAA	89-
97301	Kourou				
M210	1	P	P	KOUR	92-
S004	2	D	P	KRUB	92-
S005	3	D	P	KRUA	86-92

Multiple SLR

12302	Riga				
M001	1	L	T	7560	91
S002	2	L	P	1884	76-
40417	Patrick AFB				
M001	1	L	T	7081	76
M002	2	L	P	7069	76-80
40434	Mount Hopkins				
M002	1	L	T	7880	82
S001	2	L	P	7921	76-82
40438	Bear Lake				
M001	1	L	T	7082	76,79,81,83,84
M002	2	L	T	7046	90,91

Single SLR

12205	Borowiec				
S001	1	L	P	7811	76,77,78,79,80,81,82,83,88,89,90,91,92,93
12612	Askites				
M001	1	L	T	7510	86,87,89,92

Table T3 (cont.)

OCCUPANCIES OF IERS SITES

Single SLR

DOMES		1	2	3	Years of occupancy
Number	Site/point nb.	-	-	-	-
12614 M001	Karitsa 1	L	T	7520	86,89
12615 M001	Katavia 1	L	T	7512	86,87,89,92
12616 M001	Xrisokalaria 1	L	T	7525	86,87,89,90,92
12613 M001	Roumelli 1	L	T	7517	86,87,89,92
12706 M001	Lampedusa 1	L	T	7544	87,89,92
12718 M002	Trieste 1	L	T	7550	86,89
12725 M002	Cagliari 1	L	T	7545	85,88,90,93
12749 M001	Monte Venda 1	L	T	7542	91
14005 M002	Monte Generoso 1	L	T	7590	85
20801 M001	Diyarbakir 1	L	T	7575	87,89
20802 M001	Yozgat 1	L	T	7585	87,89,92
20803 M001	Melengiclick 1	L	T	7580	87,89,92,93
20804 M001	Yigilca 1	L	T	7587	87,89,92
20805 M001	ANKARA 1	L	T	7589	93
21602 S003	Wuhan 1	L	P	7236	88-
21611 S001	Changchun 1	L	P	7237	91-
21704 S002	Tokyo 1	L	P	7308	90-
21709 S001	Okinawa 1	L	T	7301	89

Table T3 (cont.)

OCCUPANCIES OF IERS SITES

Single SLR

DOMES		1	2	3	Years of occupancy
Number	Site/point nb.				
21726	Simosato				
S001	1	L	P	7838	82-
21735	Tsushima				
S001	1	L	T	7302	89
21736	Ishigaki-shima				
S001	1	L	T	7307	88
30101	Helwan				
S001	1	L	P	7831	83-
30314	Sutherland				
M001	1	L	T	7502	93
40132	La Grande				
M001	1	L	T	7411	93,94
40504	Mazatlan				
M001	1	L	P	7122	83-
40505	Cabo San Lucas				
M001	1	L	T	7882	84,88,92
40506	Ensenada				
M001	1	L	T	7883	89,91,92,93
40701	Santiago de Cuba				
S001	1	L	P	1953	76-
41604	Natal				
S001	1	L	P	7929	76-81
41706	Cerro Tololo				
M001	1	L	T	7401	84,90,91
43602	Grand Turk				
M002	1	L	T	7068	75,76,78
50503	American Samoa				
M001	1	L	T	7096	79-80

Multiple VLBI

21701	Kashima				
S001	1	R	P	1856	84-
S004	2	R	P	1857	90-
21702	Mizusawa				
S009	1	R	T	7314	91
S010	2	R	P	7324	93-

Table T3 (cont.)

OCCUPANCIES OF IERS SITES

Multiple VLBI

DOMES					
Number	Site/point nb.	1	2	3	Years of occupancy
40404	Pearblossom	-	-	-	-
M001	1	R	T	7254	83,84,85,87,88
M002	2	R	T	7253	76,77,81,83
40427	Fort Ord				
M001	1	R	T	7266	81,83,84,85,87,88
M002	2	R	T	7241	88
M003	3	pq R	T	7241	88,89,91
40432	Ely				
M001	1	R	T	7286	85,86,87,88,89,90
M002	2	R	T	7257	83,84
40441	Greenbank				
S001	1	R	P	7204	76-82
S004	2	R	P	7214	89-91
S005	3	R	P	7248	92-
S006	4	R	P	7214	91-
S007	5	R	P		94-

Single VLBI

10204	Hofn				
M001	1	R	T	7635	92
10329	Trysil				
M001	1	R	T	7607	91,92
12342	Ussuriisk				
S001	1	R	P	7247	92
13201	Chilbolton				
S002	1	R	P	7215	80
13296	Carnusty				
M002	1	R	T	7603	89
14202	Hohenbunstorf				
M002	1	R	T	7600	89
14209	Effelsberg				
S001	1	R	P	7203	79-83
14213	Hohenpeissenberg				
M002	1	R	T	7630	92
14260	Karlsburg				
M001	1	R	T	7632	92
14261	Kirschberg				
M001	1	R	T	7631	92

Table T3 (cont.)

OCCUPANCIES OF IERS SITES

Single VLBI

DOMES						
Number	Site/point nb.	1	2	3	Years of occupancy	
21612	Urumqi					
S001	1	R	P	7330	94-	
21718	Miyazaki					
S001	1	R	T	7312	90	
21725	Nobeyama					
S001	1	R	P	7244	90-	
21731	Shintotsugawa					
S001	1	R	T	7315	90	
21737	Sagara					
S001	1	R	P	7325	92-	
21738	Daito					
S001	1	R	P	7326	90-91	
40118	Whitehorse					
M001	1	R	T	7284	84,85,86,88	
M002	2	pq	R	T	7284	88,89
40406	San Francisco (Presidio)					
M001	1	R	P	7252	81,83,84,85,87,88	
M002	2	pq	R	P	7252	88,89,91
40410	Point Reyes					
M001	1	R	T	7251	81,83,84,85,87,88,89,91	
40416	Yakataga					
M001	1	R	T	7277	84,85,86,87,88	
M002	2	pq	R	T	7277	88,89,90
40419	Kodiak					
M001	1	R	T	7278	84,85,86,87,88,89,90	
40421	Nome					
M001	1	R	T	7279	84,85,86,90	
40423	Sand Point					
M001	1	R	T	7280	84,85,86,87,88,89,90	
40425	Sourdough					
M001	1	R	T	7281	84,85,86,87	
M002	2	pq	R	T	7281	87,88,89
40428	Santa Paola					
M001	1	R	T	7255	81,83,84,85,87,88,89	
40430	Black Butte					
M001	1	R	T	7269	83,84,85,86,87,88	
40431	Deadman Lake					
M001	1	R	T	7267	83,84,85,87,88	

Table T3 (cont.)

OCCUPANCIES OF IERS SITES

Single VLBI

DOMES

Number	Site/point nb.	1	2	3	Years of occupancy
-----	-----	-	-	----	-----
40449	Ocotillo				
M001	1	R	T	7270	83,84,85
40452	Bloomington				
M001	1	R	T	7291	87
40453	Carrollton				
M001	1	R	T	7228	87
40454	Leonard				
M001	1	R	T	7292	87
40455	Miles City				
M001	1	R	T	7038	88
40457	Seattle				
M001	1	R	T	7229	87,88
40463	Los Alamos				
S001	1	R	P	7611	91-
40466	Kitt Peak				
S001	1	R	P	7610	90-
40471	Hancock				
S001	1	R	P	7618	92-
40473	Brewster				
S001	1	R	P	7614	90-
40477	Mauna Kea				
S001	1	R	p	7617	90-
40489	Hat Creek				
S001	1	R	P	7218	83-
40490	Maryland Point				
S001	1	R	P	7217	82-
40498	VLA				
S001	1	R	P	7619	83-
41709	Sest				
S001	1	R	P	7239	90-
50108	Parkes				
S001		R	P	7202	91-

Multiple GPS

12750	Padova				
M001	1	P	T	UPAD	94
M002	2	P	P	UPAD	94-

Table T3 (cont.)**OCCUPANCIES OF IERS SITES****Multiple GPS**

DOMES					
Number	Site/point nb.	1	2	3	Years of occupancy
31303	MasPalomas				
M001	1	P	P	MASP	92-
M002	2	P	P	MAS1	94-
40460	La Jolla-SCRIPPS				
M001	1	P	P	SIO1	91-
M002	2	P	P	SIO2	91-92
M003	3	pq	P	SIO2	92-
M004	4	P	P	SIO3	93-
66001	Mc Murdo				
M001	1	P	P	MCMU	92,93
M003	2	P	P	MCM4	95-
S006	3	P	P	MCM2	93-

Single GPS

10101	Copenhagen-Buddinge				
S001	1	P	T	BUDD	95
10112	Hovvig				
S001	1	P	T	HVIG	95
10325	Honefoss				
M001	1	P	T	HONE	91
10403	Kiruna				
M002	1	P	P	KIRU	93-
11005	Pfander				
M002	1	P	P	PFAN	94-
12108	Ljubljana				
M001	1	P	P	LJUB	94-
12204	Jozefoslaw				
M001	1	P	P	JOZE	93-
12209	Lamkowko				
M001	1	P	P	LAM0	94-
12309	Mendeleeevo				
M001	1	P	P	MDVO	95-
13101	Brussels				
M004	1	P	P	BRUS	93-
13406	Villafranca				
M001	1	P	P	VILL	94-
22306	Bangalore				
M001	1	P	P	IISC	95-

Table T3 (cont.)

OCCUPANCIES OF IERS SITES

Single GPS

DOMES		1	2	3	Years of occupancy
Number	Site/point nb.				
23601	Taipei				
M001	1	P	P	TAIW	92-
40101	St. Johns				
M001	1	P	P	STJO	92-
40103	Prince Albert				
M001	1	P	T	PRAL	92
40124	Calgary				
M001	1	P	T	PRDS	92
40130	Holberg				
M001	1	P	T	HOLB	92
40464	Carr Hill				
M001	1	P	P	CARR	92-
40474	Lake_Mathews				
M001	1	P	P	MATH	93-
40478	Chatsworth				
M001	1	P	P	CHTP	94-
M101	2	P	P	OATT	94-
40479	Blythe				
M001	1	P	P	BLYT	94-
40480	Bommer Canyon				
M001	1	P	P	TRAK	94-
40481	Yucaipa				
M001	1	P	P	CRFP	94-
40482	Long Beach City				
M001	1	P	P	LBCH	94-
41901	Bogota				
M001	1	P	P	BOGT	95-
50126	Townsville				
S004	1	P	P	TOWN	90-
50133	Perth				
M001	1	P	P	PERT	93-
50134	Darwin				
M001	1	P	P	DARW	92
50135	Macquarie Island				
M001	1	P	P	MAC1	94-
50208	Wellington				
S002	1	P	P	WELL	90-

Table T3 (cont.)**OCCUPANCIES OF IERS SITES****Single GPS****DOMES**

Number	Site/point nb.	1	2	3	Years of occupancy
-----	-----	-	-	----	-----
66010	Davis				
M001	1	P	P	DAV1	94-
66011	Casey				
M001	1	P	P	CAS1	94-
92201	Pamatai				
M003	1	P	P	PAMA	91-

Multiple DORIS

33710	Arlit				
S001	1	D	P	ARLA	87-92
S002	2	D	P	ARMA	92-
40503	Socorro Island				
S002	1	D	P	SOCA	89-91
S003	2	D	P	SODA	92-
41507	Rio Grande				
S003	1	D	P	RIOA	87-95
S004	2	D	P	RIOB	95-

Single DORIS

10202	Reykjavik				
S001	1	D	P	REYA	90-
12329	Sakhalinsk				
S001	1	D	P	SAKA	91-
12338	Badary				
S001	1	D	P	BADA	91-
21501	Everest				
S001	1	D	P	EVEB	93-
21604	Purple Mountain				
S003	1	D	P	PURA	92-
22006	Manille				
S001	1	D	P	MANA	93-
23101	Cibinong				
S001	1	D	P	SIBB	93-
23501	Colombo				
S001	1	D	P	COLA	91-
30313	Marion Island (Prince Edward Island)				
S001	1	D	P	MARA	87-

Table T3 (cont.)**OCCUPANCIES OF IERS SITES****Single DORIS**

DOMES						
Number	Site/point nb.	1	2	3	Years of occupancy	
-----	-----	-	-	----	-----	
30604	Tristan da Cunha					
S001	1	D	P	TRIA	92-	
30606	Sainte Helene					
S002	1	D	P	HELA	89-	
31901	Flores					
S001	1	D	P	FLOA	92-	
32809	Libreville					
S002	1	D	P	LIBA	88-	
34101	Dakar					
S004	1	D	P	DAKA	93-	
39901	Djibouti					
S002	1	D	P	DJIA	87-	
40475	Waimea (Hawaii)					
S001	1	D	P	WAIA	90-	
40476	Hawaiian Volcano Observatory					
S001	1	D	P	HVOA	90-	
41609	Cachoeira Paulista					
S001	1	D	P	CACB	92-	
42004	San Cristobal (Galapagos)					
S001	1	D	P	GALA	91-	
51001	Port Moresby					
S001	1	D	P	MORA	92-	
66006	Syowa					
S001	1	D	P	SYOB	93-	
66007	Rothera					
S001	1	D	P	ROTA	92-	
91401	Amsterdam					
S001	1	D	P	AMSA	90-	
91501	Ile des Petrels					
S001	1	D	P	ADEA	89-	
92701	Noumea					
S001	1	D	P	NOUA	91-	
92901	Wallis					
S001	1	D	P	WALA	89-	
97401	La Reunion					
S001	1	D	P	REUA	87-	

Table T4**LOCAL ECCENTRICITIES FOR IERS SITES**

			DX/sigX m -----	DY/sigY m -----	DZ/sigZ m -----	Ref. (See p.T-57) -----
10002 GRASSE						

A	S001	S002	0.542	36.489	-4.421	Ref: (3)
			0.003	0.003	0.003	
		M003	6.007	-33.777	-8.036	Ref: (3)
			0.003	0.003	0.003	
		S014	-11.353	6.551	11.633	Ref: (3)
10003 TOULOUSE						

A	M003	S001	97.450	-173.325	-75.239	Ref: (3)
			0.003	0.003	0.003	
10004 BREST						

A	M002	S001	1.232	-0.097	1.393	Ref: (3)
			0.003	0.003	0.003	
10302 TROMSO						

A	M002	M003	36.289	-33.115	-9.215	Ref: (13)
			0.003	0.003	0.003	
		S010	11.225	-1.567	-0.514	Ref: (3)
			0.003	0.003	0.003	
10317 NY-ALESUND						

A	M001	S002	363.330	1536.449	-158.180	Ref: (3)
			0.003	0.003	0.003	
10402 ONSALA						

A	S002	M006	35.927	-51.366	-34.575	Ref: (13)
			0.003	0.003	0.003	
		M004	52.631	-40.464	-43.865	Ref: (20)
			0.003	0.003	0.003	
10503 METSAHOVI						

A	M002	S011	1918.178	1548.001	-1324.664	Ref: (16)
			0.004	0.004	0.004	
		S001	1942.700	1512.472	-1347.868	Ref: (9)
			0.004	0.004	0.004	
		S013	-11.609	15.220	6.232	Ref: (3)
			0.003	0.003	0.003	
11001 GRAZ						

A	S002	M002	-2.558	8.516	-1.321	Ref: (20)
			0.003	0.003	0.003	

Table T4 (cont.)

LOCAL ECCENTRICITIES FOR IERS SITES

			DX/sigX m	DY/sigY m	DZ/sigZ m	Ref.
			-----	-----	-----	-----
12205 BOROWIEC						

A	S001	M002	25.767 0.003	-72.908 0.003	-0.324 0.003	Ref: (20)
12602 DIONYSOS						

A	M002	S011	-1.226 0.003	40.030 0.003	-14.416 0.003	Ref: (3)
		S001	1.953 0.003	29.359 0.003	-15.192 0.003	Ref: (3)
12711 BOLOGNA-MEDICINA						

A	M002	S001	-29.531 0.001	29.904 0.001	48.556 0.005	Ref: (1,2)
12717 NOTO						

A	M001	S001	34.242 0.003	67.907 0.003	-38.223 0.003	Ref: (5)
12734 MATERA						

A	S001	S005	-26.120 0.007	-67.073 0.007	63.166 0.007	Ref: (17)
		M008	-15.173 0.003	-24.827 0.003	24.964 0.003	Ref: (17)
		M005	19.533 0.003	-12.202 0.003	-28.771 0.003	Ref: (17)
		M004	25.263 0.003	-27.625 0.003	-30.369 0.003	Ref: (17)
		M007	-14.128 0.003	-13.229 0.003	18.027 0.003	Ref: (17)
13212 HERSTMONCEUX						

A	S001	M007	6.505 0.003	10.278 0.003	-3.945 0.003	Ref: (18)
13407 MADRID						

A	S010	S012	-134.246 0.003	159.664 0.003	164.275 0.003	Ref: (14)
13504 KOOTWIJK						

A	M002	M003	-12.458 0.003	-37.501 0.003	23.025 0.003	Ref: (5)
		S001	-13.621 0.003	-26.287 0.003	18.705 0.003	Ref: (3)

Table T4 (cont.)

LOCAL ECCENTRICITIES FOR IERS SITES

			DX/sigX m -----	DY/sigY m -----	DZ/sigZ m -----	Ref. -----
14001	ZIMMERWALD					
-----	-----					
A	S001	M004	13.680 0.003	6.012 0.003	-6.242 0.003	Ref: (20)
14106	POTSDAM					
-----	-----					
A	S009	M003	50.091 0.003	95.219 0.003	-40.438 0.003	Ref: (20)
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: (11)
		M005	72.017 0.003	45.135 0.003	-70.501 0.003	Ref: (11)
		M009	48.700 0.003	71.268 0.003	-48.250 0.003	Ref: (15)
		S018	46.976 0.003	4.049 0.003	-34.728 0.003	Ref: (5)
		M010	50.805 0.003	72.249 0.003	-50.245 0.003	Ref: (20)
		M003	21.341 0.003	44.130 0.003	-30.432 0.003	Ref: (11)
		M006	49.387 0.003	25.829 0.003	-47.290 0.003	Ref: (11)
21605	SHANGHAI					
-----	-----					
A	S001	S009	-598.875 0.010	-469.603 0.010	154.995 0.010	Ref: (2)
21730	TSUKUBA					
-----	-----					
A	S001	S005	-26.306 0.003	-38.284 0.003	2.761 0.003	Ref: (20)
21732	CHICHIJIMA					
-----	-----					
A	S001	S002	-1716.283 0.040	-1462.147 0.040	-539.508 0.040	Ref: (10)
30302	HARTEBEESTHOEK					
-----	-----					
A	S001	M002	-817.332 0.010	2103.129 0.010	203.079 0.010	Ref: (3)
		S202	-801.257 0.010	2086.234 0.010	199.848 0.050	Ref: (3)

Table T4 (cont.)

LOCAL ECCENTRICITIES FOR IERS SITES

			DX/sigX m	DY/sigY m	DZ/sigZ m	Ref.
			-----	-----	-----	-----
31903	SANTA MARIA / 31906 SAO MIGUEL					
A	/M001	S001	65216.646 0.040	17120.897 0.040	-67374.720 0.040	Ref: (3)
33710	ARLIT					
A	S001	S002	-1362.690 0.006	-2163.732 0.006	4825.937 0.006	Ref: (3)
40102	OTTAWA / 40104 ALGONQUIN					
A	/M002	/S001	-94.756 0.003	-61.021 0.003	-6.665 0.003	Ref: (12)
A		/M003	83.510 0.003	4.669 0.003	-20.142 0.003	Ref: (20)
A		S005	189494.025 0.050	-1182.617 0.050	-43239.634 0.050	Ref: (3)
40104	ALGONQUIN (see 40102 OTTAWA)					
40105	PENTICTON					
A	M001	M002	-324.180 0.003	178.052 0.003	11.636 0.003	Ref: (19)
40127	YELLOWKNIFE					
A	M001	M003	-327.855 0.003	314.587 0.003	82.910 0.003	Ref: (20)
A		M004	-274.922 0.003	257.432 0.003	64.914 0.003	Ref: (20)
A		S007	-299.391 0.003	303.283 0.003	89.824 0.003	Ref: (3)
40129	VICTORIA					
A	M001	M003	-22.740 0.003	34.377 0.003	23.036 0.003	Ref: (20)
40400	PASADENA					
A	M003	M001	94.064 0.003	-31.945 0.002	55.121 0.002	Ref: (2)
		M006	1.987 0.003	-18.063 0.003	-22.052 0.003	Ref: (12)
		M005	-21.464 0.003	19.012 0.003	10.889 0.003	Ref: (5)

Table T4 (cont.)

LOCAL ECCENTRICITIES FOR IERS SITES

			DX/sigX m	DY/sigY m	DZ/sigZ m	Ref.
			-----	-----	-----	-----
40405 GOLDSTONE						

A	S009	M013	-323.113	148.213	-43.993	Ref: (2)
			0.007	0.013	0.010	
		M006	-304.746	137.590	-45.871	Ref: (3)
			0.003	0.003	0.003	
40405 GOLDSTONE (cont.)						

B	M001	S001	-227.005	188.001	153.150	Ref: (5)
			0.003	0.003	0.003	
		S019	-144.572	-119.976	-229.148	Ref: (2)
			0.003	0.003	0.003	
		M013	-3099.925	-5078.130	-8472.555	Ref: (22)
			0.011	0.011	0.011	
		M002	2532.581	-14016.673	-15901.337	Ref: (22)
			0.022	0.022	0.022	
C	M013	S028	2880.020	5222.261	8549.860	Ref: (14)
			0.011	0.011	0.011	
		S035	-9.691	23.663	26.579	Ref: (3)
			0.003	0.003	0.003	
D	M002	S014	-267.503	69.179	-40.943	Ref: (2)
			0.002	0.003	0.002	
40407 PINYON FLATS						

A	M001	M002	125.588	117.655	279.910	Ref: (12)
			0.003	0.003	0.003	
40408 FAIRBANKS						

A	S002	M001	-74.141	49.280	-31.231	Ref: (14)
			0.003	0.003	0.003	
		S004	-955.770	228.045	-298.634	Ref: (3)
			0.003	0.003	0.003	
40420 VANDENBERG						

A	M002	M007	5.037	12.908	21.229	Ref: (5)
			0.003	0.003	0.003	
		M001	9278.854	-5310.196	1277.219	Ref: (5)
			0.011	0.011	0.011	
		M004	9226.714	-5291.788	1274.701	Ref: (5)
			0.011	0.011	0.011	

Table T4 (cont.)

LOCAL ECCENTRICITIES FOR IERS SITES

			DX/sigX m	DY/sigY m	DZ/sigZ m	Ref.
			-----	-----	-----	-----
40424 KAUAI						

A	S001	M004	7.941	-23.616	-4.407	Ref: (12,13)
			0.003	0.003	0.003	
	S008		-128.587	-26.268	-325.949	Ref: (3)
			0.003	0.003	0.003	
40432 ELY						

A	M001	M002	16.416	-9.261	-2.199	Ref: (5)
			0.003	0.003	0.003	
40433 QUINCY						

A	M002	M001	341.581	-288.817	-158.149	Ref: (5)
			0.003	0.003	0.003	
		M004	3.890	-38.987	-38.409	Ref: (8)
			0.002	0.001	0.001	
		M005	-7.611	5.310	0.619	Ref: (5)
			0.003	0.003	0.003	
		M006	250.895	-256.065	-178.592	Ref: (5)
			0.003	0.003	0.003	
40436 SAN DIEGO-OTAY MOUNTAIN / 40497 MONUMENT PEAK						

A	M002	/M003	42536.518	-2596.062	27611.264	Ref: (5)
			0.051	0.051	0.051	
		M003	-0.756	-3.831	-5.638	Ref: (5)
			0.003	0.003	0.003	
B	/M001	/M002	-14.269	6.872	-0.596	Ref: (3)
			0.003	0.003	0.003	
		/M003	-11.395	7.802	2.523	Ref: (2)
			0.003	0.003	0.003	
40438 BEAR LAKE						

A	M002	M001	5.825	1.270	3.391	Ref: (5)
			0.003	0.003	0.003	
40439 OWENS VALLEY						

A	M004	M001	-1.223	-2.261	-3.617	Ref: (3)
			0.003	0.003	0.003	
		S002	820.489	-549.119	-87.117	Ref: (2)
			0.005	0.009	0.009	
		M003	-169.108	55.235	-41.459	Ref: (5)
			0.003	0.003	0.003	

Table T4 (cont.)

LOCAL ECCENTRICITIES FOR IERS SITES

			DX/sigX m	DY/sigY m	DZ/sigZ m	Ref.
			-----	-----	-----	-----
40440 WESTFORD						

A	M001	S002	-48.865 0.001	12.264 0.002	65.806 0.002	Ref: (2,3)
		S003	-247.002 0.003	-851.720 0.004	-800.428 0.004	Ref: (2,3)
B	S003	S020	26.807 0.100	40.999 0.100	30.496 0.100	Ref: (20)
40442 FORT DAVIS						

A	M001	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)
	M005		0.000 0.003	0.000 0.003	0.000 0.003	Ref: (3)
		S003	5914.397 0.004	-3496.510 0.012	-4031.862 0.007	Ref: (2)
	M008		117.202 0.003	135.062 0.003	352.484 0.003	Ref: (5)
40442 FORT DAVIS (cont.)						

B	S003	M006	-5810.069 0.003	3621.294 0.010	4362.423 0.006	Ref: (2)
		M009	-16.971 0.003	-39.906 0.003	-95.339 0.003	Ref: (5)
		S017	201.879 0.003	-158.810 0.003	-155.893 0.003	Ref: (6)
C	M008	M012	9.512 0.003	-1.795 0.003	1.484 0.003	Ref: (6)
40445 MAUI						

A	M001	S005	-.483 0.003	-.212 0.003	1.003 0.003	Ref: (3)
		M002	8.044 0.003	19.381 0.003	40.992 0.003	Ref: (3)
40451 WASHINGTON						

A	M105	M112	-4.947 0.003	-17.162 0.003	-19.125 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)

Table T4 (cont.)

LOCAL ECCENTRICITIES FOR IERS SITES

		DX/sigX m	DY/sigY m	DZ/sigZ m	Ref.
		-----	-----	-----	-----
40451	WASHINGTON (cont.)				

	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)
	M125	75.125 0.003	116.762 0.003	110.510 0.003	Ref: (3)
	M114	26.038 0.003	-17.460 0.003	-29.389 0.003	Ref: (5)
	M117	22.182 0.003	-19.215 0.003	-30.410 0.003	Ref: (5)
	M120	-14.419 0.003	5.137 0.003	9.456 0.003	Ref: (5)
	M123	54.241 0.003	97.013 0.003	93.863 0.003	Ref: (5)
	M107	-30.463 0.003	8.595 0.003	16.961 0.003	Ref: (5)
	M108	-28.408 0.003	-0.491 0.003	5.446 0.003	Ref: (5)
	M116	15.577 0.003	25.904 0.003	25.854 0.003	Ref: (5)
	M118	14.413 0.003	26.236 0.003	26.367 0.003	Ref: (5)
40456	PIETOWN				

A	S001 M001	36.916 0.003	34.827 0.003	35.255 0.003	Ref: (5)
40465	NORTH LIBERTY				

A	S001 M001	-62.228 0.003	25.387 0.003	3.626 0.003	Ref: (20)
40491	FLAGSTAF				

A	M002 M003	-15.933 0.001	17.213 0.003	14.367 0.003	Ref: (2)
40496	PLATTEVILLE				

A	M001 M002	-29.894 0.001	9.036 0.001	1.025 0.001	Ref: (2)
40497	MONUMENT PEAK (see 40436 SAN DIEGO-OTAY MOUNTAIN)				

Table T4 (cont.)

LOCAL ECCENTRICITIES FOR IERS SITES

			DX/sigX m	DY/sigY m	DZ/sigZ m	Ref.
			-----	-----	-----	-----
40499 RICHMOND						

A	M002	S001	-60.877	0.931	44.212	Ref: (2,4)
			0.003	0.002	0.002	
		M005	-76.090	69.330	168.048	Ref: (20)
			0.003	0.003	0.003	
		S018	15.832	16.844	45.521	Ref: (20)
			0.003	0.003	0.003	
		S015	-239.169	514.840	1149.683	Ref: (3)
			0.003	0.003	0.003	
		S016	-562.116	405.892	1039.924	Ref: (3)
			0.003	0.003	0.003	
40503 SOCORRO ISLAND						

A	S003	S002	-202.980	30.260	-148.510	Ref: (3)
			0.003	0.003	0.003	
41507 RIO GRANDE						

A	S004	S003	-4.283	-4.105	2.101	Ref: (3)
			0.003	0.003	0.003	
41602 FORTALEZA						

A	M001	S001	-16.598	-21.732	-45.805	Ref: (20)
			0.003	0.003	0.003	
41703 EASTER ISLAND						

A	M002	M001	0.424	1.204	0.650	Ref: (5)
			0.003	0.003	0.003	
		M003	32.016	12.485	-37.088	Ref: (20)
			0.003	0.003	0.003	
		S008	-9.956	3.329	-5.267	Ref: (3)
			0.003	0.003	0.003	
41705 SANTIAGO						

A	M003	M001	6.309	-38.829	61.146	Ref: (20)
			0.003	0.003	0.003	
		M002	31.374	61.808	-75.245	
			0.003	0.003	0.003	
		S006	-0.230	69.610	-113.927	Ref: (20)
			0.003	0.003	0.003	
B	S007	S006	-6653.688	-17960.224	22748.646	Ref: (3)
			0.100	0.100	0.100	

Table T4 (cont.)

LOCAL ECCENTRICITIES FOR IERS SITES

			DX/sigX m	DY/sigY m	DZ/sigZ m	Ref.
			-----	-----	-----	-----
42202 AREQUIPA						

A	M003	M004	-23.075	-11.900	4.458	Ref: (3)
			0.003	0.003	0.003	
		M005	18.615	-0.548	21.499	Ref: (20)
			0.003	0.003	0.003	
		S001	-16.022	-7.911	-3.665	Ref: (3)
			0.003	0.003	0.003	
		S005	-11.368	-8.020	-3.627	Ref: (3)
			0.003	0.003	0.003	
50103 CANBERRA						

A	S007	S003	-1072.033	-992.958	1255.113	Ref: (7)
			0.010	0.010	0.010	
		S010	-14458.373	4638.716	21870.004	Ref: (7)
			0.027	0.027	0.027	
		S201	6.411	-25.040	-22.873	Ref: (3)
			0.003	0.003	0.003	
B	S010	S001	40.710	-404.168	-367.147	Ref: (21)
			0.003	0.003	0.003	
		S005	-45.694	-352.212	-200.582	Ref: (7)
			0.003	0.003	0.003	
		M108	-60.720	-208.617	-62.493	Ref: (21)
			0.005	0.005	0.005	
50107 YARRAGADEE						

A	M001	M004	-18.605	-12.471	-5.835	Ref: (7,14)
			0.003	0.003	0.003	
		S006	2.990	11.270	11.823	Ref: (3)
			0.003	0.003	0.003	
50505 KWAJALEIN ATOLL						

A	M001	S003	-89.234	-702.977	544.240	Ref: (3,4)
			0.003	0.003	0.003	
66008 O'HIGGINS						

A	S001	M001	39.447	-17.634	28.448	Ref: (20)
			0.003	0.003	0.003	
91201 KERGUELEN						

A	M002	S002	-510.991	120.575	-36.781	Ref: (3)
			0.003	0.003	0.003	
		S003	-510.926	120.724	-36.935	Ref: (3)
			0.003	0.003	0.003	

Table T4 (cont.)

LOCAL ECCENTRICITIES FOR IERS SITES

			DX/sigX m	DY/sigY m	DZ/sigZ m	Ref.
			-----	-----	-----	-----
92202 HUAHINE						

A	M004	S009	-6.282	7.965	-0.173	Ref: (3)
			0.003	0.003	0.003	
	M002		1.458	0.807	0.501	Ref: (5)
97301 KOUROU						

A	M210	S004	15669.825	9832.780	-16899.080	Ref: (3)
			0.025	0.025	0.025	
		S005	15123.675	9589.762	-15209.338	Ref: (3)
			0.024	0.024	0.024	

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) IGN data base.
- (4) Message from B. Carter, NGS,, 27 Feb. 1989.
- (5) CDP Catalogue of Site Information, March 1993.
- (6) CDP Catalogue of Site Information, Update 1, September 1993.
- (7) Information package on geodetic connection at Orroral, Tidbinbilla and Yaragadee, from John Luck, Director, Orroral Geodetic Observatory, 19 November 1992.
- (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) Tobita M., S. Matsuzaka, Y. Takahashi, A. Sengoku, (1991), VLBI, SLR Colocation in Chichijima, IERS Workshop, April 29 - May 3, 1991, Mizusawa, Japan.
- (11) Schluter, W., Rottcher, K, R. Stoger, T. Klesen, (1990), Local Surveys at the fundamentalstation Wettwzll, Status: October 1990.
- (12) GIG'91, Rogue GPS Network, Status Report: Analysis Support Package, Daily Logs and Site Specific Information, April 18, 1991
- (13) GPS Bulletin Vol. 5 No. 1, March-April, 1992.
- (14) Blewitt G., Heflin M.B., Webb F.H., Lindqwister U.J., Malla R. P., Global Coordinates in the International Terrestrial Reference Frame using GPS, AGU, 1992.

- (15) SGMS Newsletter April, 1991, page 60.**
- (16) Message from Matti Paunonen, 1994.**
- (17) Survey of the Matera site, Telespazio, March 1992**
- (18) Message from A. Sinclair, 16-jun-1992.**
- (19) Message from M. Caissy, 25-jun-1992.**
- (20) Site Information Forms, IGS Central Bureau Data Information System.**
- (21) Message from Brian Murphy, AUSLIG, 7 December, 1994: Update of the Tidbinbilla local ties on 29 November, 1994.**
- (22) Goldstone GPS Site Information Report, JPL, june 1992.**

Table 5

ITRF94 CLASS A STATION COORDINATES AT EPOCH 1993.0

DOMES NB.	SITE NAME	TECH. ID.	*	(Note p. T-64)	X/Vx	Y/Vy	Z/Vz	Sigmat
10402M004	ONSALA	GPS ONSA	5	7	3370658.732	711876.975	5349786.833	.006 .007 .005
10402M004					-.0150	.0151	.0061	.0014 .0016 .0013
10402M006	ONSALA	VLBI 7211	1		3370642.025	711866.066	5349796.122	.006 .007 .006
10402M006					-.0149	.0141	.0075	.0015 .0015 .0016
10402S002	ONSALA	VLBI 7213	1	3 4 9	3370606.097	711917.432	5349830.697	.006 .007 .005
10402S002					-.0148	.0142	.0077	.0013 .0015 .0013
11001M002	GRAZ	GPS GRAZ	5	7	4194424.040	1162702.484	4647245.282	.005 .007 .006
11001M002					-.0166	.0184	.0098	.0014 .0017 .0014
11001S002	GRAZ	SLR 7839	8	9	4194426.597	1162693.967	4647246.602	.005 .006 .006
11001S002					-.0169	.0183	.0096	.0014 .0015 .0014
12734M004	MATERA	SLR 7541	9		4641990.233	1393042.404	4133231.945	.007 .008 .007
12734M004					-.0184	.0200	.0122	.0017 .0019 .0018
12734M005	MATERA	SLR 7540	9		4641984.504	1393057.828	4133233.544	.007 .008 .007
12734M005					-.0185	.0200	.0121	.0017 .0019 .0018
12734M007	MATERA	TIE GIG			4641950.843	1393056.801	4133280.342	.007 .008 .007
12734M007					-.0186	.0200	.0121	.0017 .0019 .0018
12734M008	MATERA	GPS MATE	5	7	4641949.798	1393045.205	4133287.278	.006 .007 .006
12734M008					-.0191	.0202	.0121	.0015 .0017 .0016
12734S001	MATERA	SLR 7939	8	9	4641964.971	1393070.030	4133262.315	.006 .007 .007
12734S001					-.0184	.0200	.0121	.0014 .0016 .0016
12734S005	MATERA	VLBI 7243	1	3 4	4641938.857	1393002.949	4133325.478	.005 .007 .006
12734S005					-.0197	.0185	.0121	.0016 .0015 .0017
13212M007	HERSTMONCEUX	GPS HERS	5	7	4033470.281	23672.691	4924301.176	.006 .007 .006
13212M007					-.0107	.0175	.0110	.0014 .0017 .0014
13212S001	HERSTMONCEUX	SLR 7840	8	9	4033463.773	23662.416	4924305.123	.005 .007 .005
13212S001					-.0112	.0179	.0115	.0012 .0015 .0014
13407S010	MADRID	VLBI 1565	1	2 3 4 9	4849336.740	-360488.862	4114748.775	.005 .007 .006
13407S010					-.0076	.0193	.0135	.0013 .0015 .0015
13407S012	MADRID	GPS MADR	5	6 7	4849202.504	-360329.194	4114913.044	.005 .007 .006
13407S012					-.0062	.0199	.0127	.0013 .0017 .0016
13504M002	KOOTWIJK	SLR 8833	8	9	3899237.774	396769.253	5015055.278	.006 .007 .006
13504M002					-.0146	.0172	.0085	.0015 .0019 .0015

Table 5 (cont.)

ITRF94 CLASS A STATION COORDINATES AT EPOCH 1993.0

DOMES NB. SITE NAME	TECH. ID.	*	X/Vx	Y/Vy	Z/Vz	Sigmas
			-----m/m/y-----			
13504M003 KOOTWIJK	GPS KOSG	5 6 7	3899225.315	396731.752	5015078.302	.005 .007 .005
13504M003			-.0146	.0173	.0089	.0014 .0018 .0013
13504S001 KOOTWIJK	SLR 7833	8 9	3899224.153	396742.966	5015073.983	.007 .008 .007
13504S001			-.0146	.0172	.0087	.0018 .0020 .0017
14001M004 ZIMMERWALD	GPS ZIMM	5	4331297.242	567555.666	4633133.789	.006 .007 .006
14001M004			-.0131	.0180	.0121	.0015 .0019 .0015
14001S001 ZIMMERWALD	SLR 7810	8 9	4331283.562	567549.654	4633140.031	.006 .007 .007
14001S001			-.0135	.0181	.0121	.0016 .0019 .0016
14106M003 POTSDAM	GPS POTS	5	3800689.861	882077.200	5028791.228	.006 .007 .007
14106M003			-.0128	.0158	.0105	.0027 .0028 .0028
14106S009 POTSDAM	SLR 7836	8 9	3800639.769	881981.981	5028831.665	.007 .008 .007
14106S009			-.0131	.0158	.0102	.0026 .0027 .0027
14201M003 WETTZEILL	TIE 7595		4075551.300	931825.480	4801587.823	.007 .008 .007
14201M003			-.0167	.0171	.0065	.0017 .0018 .0017
14201M004 WETTZEILL	TIE 7596		4075582.518	931837.266	4801559.918	.007 .008 .007
14201M004			-.0167	.0171	.0065	.0017 .0018 .0017
14201M005 WETTZEILL	TIE 7597		4075601.976	931826.485	4801547.754	.007 .008 .007
14201M005			-.0167	.0171	.0065	.0017 .0018 .0017
14201M006 WETTZEILL	TIE 7598		4075579.346	931807.179	4801570.965	.007 .008 .007
14201M006			-.0167	.0171	.0065	.0017 .0018 .0017
14201M009 WETTZEILL	GPS WETT	5 6 7	4075578.657	931852.618	4801570.002	.005 .006 .006
14201M009			-.0168	.0173	.0056	.0013 .0015 .0015
14201M010 WETTZEILL	GPS WTZR	5	4075580.763	931853.599	4801568.010	.006 .007 .006
14201M010			-.0169	.0173	.0065	.0015 .0017 .0016
14201S002 WETTZEILL	SLR 7834	8 9	4075529.960	931781.350	4801618.255	.006 .007 .006
14201S002			-.0167	.0172	.0066	.0013 .0015 .0014
14201S004 WETTZEILL	VLBI 7224	1 3 4 9	4075539.965	931735.200	4801629.329	.005 .007 .005
14201S004			-.0169	.0163	.0068	.0012 .0014 .0013
14201S018 WETTZEILL	SLR 8834	8 9	4075576.934	931785.397	4801583.525	.006 .007 .006
14201S018			-.0163	.0175	.0069	.0015 .0017 .0015
40405M001 GOLDSTONE	TIE 7085		-2353394.185	-4641529.541	3676899.174	.008 .010 .010
40405M001			-.0145	.0047	-.0051	.0020 .0025 .0024

Table 5 (cont.)

ITRF94 CLASS A STATION COORDINATES AT EPOCH 1993.0

DOMES NB. SITE NAME	TECH. ID.	*	X/Vx	Y/Vy	Z/Vz	Sigmat
					m/m/y	
40405M002 GOLDSTONE	TIE 7115		-2350861.625	-4655546.252	3660997.862	.009 .011 .011
40405M002			-.0143	.0051	-.0053	.0020 .0028 .0025
40405M013 GOLDSTONE	VLBI 7288	1 3 8 9	-2356494.103	-4646607.672	3668426.627	.008 .009 .009
40405M013			-.0140	.0036	-.0048	.0019 .0023 .0021
40405S001 GOLDSTONE	VLBI 1514	2	-2353621.194	-4641341.541	3677052.329	.009 .010 .010
40405S001			-.0146	.0047	-.0053	.0021 .0025 .0025
40405S009 GOLDSTONE	VLBI 7222	1 3 4	-2356170.986	-4646755.882	3668470.617	.006 .006 .007
40405S009			-.0138	.0060	-.0060	.0013 .0013 .0014
40405S014 GOLDSTONE	VLBI 1513	1 2 3 4	-2351129.129	-4655477.073	3660956.920	.009 .011 .010
40405S014			-.0143	.0051	-.0055	.0019 .0026 .0025
40405S019 GOLDSTONE	VLBI 1515	1 2 3 4	-2353538.754	-4641649.514	3676670.021	.008 .009 .009
40405S019			-.0145	.0047	-.0050	.0019 .0023 .0023
40405S028 GOLDSTONE	GPS GOLD 7		-2353614.085	-4641385.413	3676976.485	.013 .014 .012
40405S028			-.0146	.0030	-.0057	.0037 .0040 .0035
40405S035 GOLDSTONE	DORIS GOLLA 10 11 12		-2356503.794	-4646584.009	3668453.206	.009 .009 .009
40405S035			-.0141	.0037	-.0047	.0021 .0025 .0023
40420M001 VANDENBERG	TIE 7111		-2668815.962	-4530760.894	3598687.483	.016 .017 .016
40420M001			-.0293	.0295	.0189	.0041 .0042 .0042
40420M002 VANDENBERG	VLBI 7223	1 3 4	-2678094.816	-4525450.698	3597410.264	.008 .010 .009
40420M002			-.0292	.0295	.0189	.0017 .0021 .0020
40420M004 VANDENBERG	TIE 7887		-2668868.102	-4530742.486	3598684.965	.016 .017 .016
40420M004			-.0293	.0295	.0189	.0041 .0042 .0042
40420M007 VANDENBERG	GPS VNDP 7		-2678089.781	-4525437.789	3597431.493	.009 .010 .009
40420M007			-.0296	.0293	.0188	.0020 .0023 .0021
40433M001 QUINCY	TIE 7051		-2516893.227	-4198845.028	4076411.536	.007 .007 .007
40433M001			-.0209	.0058	-.0052	.0017 .0016 .0018
40433M002 QUINCY	SLR 7109	8 9	-2517234.808	-4198556.211	4076569.685	.006 .006 .006
40433M002			-.0207	.0058	-.0051	.0013 .0013 .0014
40433M004 QUINCY	VLBI 7221	1 3 5 7	-2517230.918	-4198595.198	4076531.277	.006 .006 .006
40433M004			-.0210	.0058	-.0051	.0014 .0013 .0014
40433M005 QUINCY	SLR 7886	9	-2517242.419	-4198550.902	4076570.305	.007 .007 .007
40433M005			-.0208	.0058	-.0050	.0016 .0016 .0017

Table 5 (cont.)

ITRF94 CLASS A STATION COORDINATES AT EPOCH 1993.0

DOMES NB. SITE NAME	TECH. ID.	*	X/Vx	Y/Vy	Z/Vz	Sigmas
			-----m/m/y-----			
40433M006 QUINCY	TIE 7260		-2516983.913	-4198812.276	4076391.093	.007 .007
40433M006			-.0209	.0058	-.0052	.0017 .0016
40439M001 OWENS VALLEY	TIE 7114		-2410422.464	-4477802.665	3838686.714	.010 .014
40439M001			-.0153	.0088	-.0092	.0023 .0031
40439M003 OWENS VALLEY	TIE 7084		-2410590.349	-4477745.169	3838648.872	.010 .014
40439M003			-.0153	.0088	-.0092	.0023 .0031
40439M004 OWENS VALLEY	VLBI 7853	1 3 8 9	-2410421.241	-4477800.404	3838690.331	.009 .013
40439M004			-.0153	.0088	-.0092	.0021 .0030
40439S002 OWENS VALLEY	VLBI 7207	1 3 4	-2409600.755	-4478349.528	3838603.216	.008 .011
40439S002			-.0156	.0080	-.0076	.0018 .0024
40442M001 FORT DAVIS	SLR 7086	8 9	-1330125.340	-5328526.669	3236150.259	.007 .006
40442M001			-.0118	-.0036	-.0074	.0016 .0015
40442M005 FORT DAVIS	TIE 7885		-1330125.339	-5328526.668	3236150.259	.008 .007
40442M005			-.0116	-.0036	-.0073	.0019 .0018
40442M006 FORT DAVIS	SLR 7080	8 9	-1330021.007	-5328401.853	3236480.800	.007 .006
40442M006			-.0129	-.0042	-.0063	.0014 .0014
40442M008 FORT DAVIS	VLBI 7850	1 8 9	-1330008.135	-5328391.600	3236502.740	.007 .006
40442M008			-.0119	-.0036	-.0069	.0016 .0014
40442M009 FORT DAVIS	VLBI 7900	1	-1324227.911	-5332063.067	3232023.048	.007 .007
40442M009			-.0117	-.0016	-.0062	.0017 .0017
40442M012 MCDONALD	GPS MDO1	5 7	-1329998.621	-5328393.392	3236504.222	.007 .006
40442M012			-.0113	-.0032	-.0068	.0018 .0014
40442S001 FORT DAVIS	TIE 7086		-1330120.983	-5328532.299	3236146.703	.008 .007
40442S001			-.0116	-.0036	-.0073	.0019 .0018
40442S002 FORT DAVIS	TIE 7206		-1330781.316	-5328755.612	3235697.691	.008 .007
40442S002			-.0116	-.0036	-.0073	.0019 .0018
40442S003 FORT DAVIS	VLBI 7216	1 3 4	-1324210.937	-5332023.161	3232118.387	.007 .006
40442S003			-.0115	-.0014	-.0064	.0014 .0013
40442S017 FORT DAVIS	VLBI 7613	1 3 4	-1324009.067	-5332181.976	3231962.498	.006 .005
40442S017			-.0129	-.0020	-.0048	.0014 .0013
40445M001 MAUI	SLR 7210	8 9	-5466006.567	-2404427.670	2242187.640	.005 .007
40445M001			-.0111	.0611	.0289	.0013 .0015

Table 5 (cont.)

ITRF94 CLASS A STATION COORDINATES AT EPOCH 1993.0

DOMES NB.	SITE NAME	TECH.	ID.	*	X/Vx	Y/Vy	Z/Vz	Sigmat
-----m/m/y-----								
40445M002	MAUI	VLBI	7120	1	-5465998.522	-2404408.289	2242228.632	.006 .007 .008
40445M002					-.0111	.0610	.0294	.0016 .0017 .0018
40445S005	MAUI	TIE	7210		-5466007.050	-2404427.882	2242188.643	.006 .008 .008
40445S005					-.0111	.0611	.0289	.0016 .0018 .0019
40451M101	WASHINGTON	TIE	7101		1131240.281	-4831179.747	3994148.488	.007 .006 .007
40451M101					-.0148	-.0014	.0003	.0017 .0016 .0018
40451M102	WASHINGTON	VLBI	7102	1 3 4	1130686.589	-4831353.025	3994110.925	.007 .006 .007
40451M102					-.0145	-.0013	.0005	.0015 .0015 .0016
40451M103	WASHINGTON	TIE	7103		1130685.638	-4831348.704	3994116.366	.007 .006 .007
40451M103					-.0148	-.0014	.0003	.0017 .0016 .0018
40451M104	WASHINGTON	TIE	7104		1131095.814	-4831196.946	3994170.755	.007 .006 .007
40451M104					-.0148	-.0014	.0003	.0017 .0016 .0018
40451M105	WASHINGTON	SLR	7105	8 9	1130719.703	-4831350.572	3994106.526	.006 .005 .006
40451M105					-.0149	-.0014	.0003	.0014 .0012 .0014
40451M106	WASHINGTON	TIE	7100		1131355.517	-4831168.343	3994131.691	.007 .006 .007
40451M106					-.0148	-.0014	.0003	.0017 .0016 .0018
40451M107	WASHINGTON	TIE	7064		1130689.241	-4831341.977	3994123.488	.007 .006 .007
40451M107					-.0148	-.0014	.0003	.0017 .0016 .0018
40451M108	WASHINGTON	TIE	7065		1130691.296	-4831351.063	3994111.973	.007 .006 .007
40451M108					-.0148	-.0014	.0003	.0017 .0016 .0018
40451M111	WASHINGTON	TIE	7899		1131364.740	-4831168.794	3994128.939	.007 .006 .007
40451M111					-.0148	-.0014	.0003	.0017 .0016 .0018
40451M112	WASHINGTON	TIE	7063		1130714.757	-4831367.734	3994087.402	.007 .006 .007
40451M112					-.0148	-.0014	.0003	.0017 .0016 .0018
40451M114	WASHINGTON	SLR	7125	8	1130745.742	-4831368.032	3994077.137	.007 .006 .007
40451M114					-.0148	-.0013	.0005	.0017 .0015 .0018
40451M116	WASHINGTON	SLR	7130	8	1130735.281	-4831324.668	3994132.381	.007 .006 .007
40451M116					-.0148	-.0014	.0003	.0017 .0016 .0018
40451M117	WASHINGTON	SLR	7920	8 9	1130741.887	-4831369.788	3994076.117	.007 .006 .007
40451M117					-.0148	-.0013	.0003	.0017 .0015 .0017
40451M118	WASHINGTON	TIE	7889		1130734.117	-4831324.336	3994132.894	.007 .006 .007
40451M118					-.0148	-.0014	.0003	.0017 .0016 .0018

Table 5 (cont.)

ITRF94 CLASS A STATION COORDINATES AT EPOCH 1993.0

DOMES NB. SITE NAME	TECH. ID.	*	X/Vx	Y/Vy	Z/Vz	Sigmat
			m/m/y			
40451M120 WASHINGTON	SLR 7918	8 9	1130705.285	-4831345.436	3994115.983	.007 .006 .007
40451M120			-.0147	-.0012	.0003	.0017 .0015 .0016
40451M121 WASHINGTON	SLR 7919	8	1130705.645	-4831347.386	3994117.532	.338 .637 .464
40451M121			-.0136	.0037	-.0044	.0919 .1732 .1261
40451M123 WASHINGTON	GPS GODE	7	1130773.945	-4831253.561	3994200.388	.007 .006 .007
40451M123			-.0148	-.0017	.0001	.0017 .0015 .0017
40451M125 WASHINGTON	VLBI 7108	1 3 4	1130794.835	-4831233.807	3994217.038	.007 .006 .007
40451M125			-.0143	-.0012	.0008	.0016 .0014 .0017
40496M001 PLATTEVILLE	SLR 7112	8 9	-1240678.238	-4720463.399	4094480.609	.009 .010 .010
40496M001			-.0155	-.0017	-.0077	.0018 .0024 .0023
40496M002 PLATTEVILLE	VLBI 7258	1 3 4	-1240708.132	-4720454.364	4094481.634	.008 .010 .010
40496M002			-.0154	-.0017	-.0077	.0018 .0024 .0023
40499M002 RICHMOND	GPS 7295	5 7 8 9	961318.976	-5674090.992	2740489.601	.007 .005 .007
40499M002			-.0104	-.0014	.0040	.0016 .0013 .0016
40499M005 RICHMOND	GPS RCM4	5	961242.887	-5674021.663	2740657.647	.008 .006 .007
40499M005			-.0102	-.0016	.0037	.0018 .0016 .0018
40499S001 RICHMOND	VLBI 7219	1 3 4	961258.106	-5674090.061	2740533.803	.007 .005 .007
40499S001			-.0088	-.0017	.0024	.0014 .0011 .0015
40499S015 RICHMOND	DORIS RICA	11	961079.811	-5673576.154	2741639.283	.008 .006 .008
40499S015			-.0102	-.0016	.0037	.0019 .0016 .0019
40499S016 RICHMOND	DORIS RIDA	10 11 12	960756.858	-5673685.100	2741529.523	.008 .006 .008
40499S016			-.0102	-.0016	.0037	.0019 .0016 .0018
40499S018 RICHMOND	GPS RCM5	5 6 7	961334.808	-5674074.156	2740535.129	.008 .005 .007
40499S018			-.0104	-.0025	.0045	.0018 .0014 .0017

*1: SSC (GSFC) 95 R 01 2: SSC (JPL) 95 R 01 3: SSC (NOAA) 95 R 01 4: SSC (USNO) 95 R 04
5: SSC (CODE) 95 P 02 6: SSC (EMR) 95 P 02 7: SSC (JPL) 95 P 02 8: SSC (CSR) 95 L 01
9: SSC (DUT) 95 C 02 10: SSC (CSR) 95 D 01 11: SSC (GRGS) 95 D 01 12: SSC (IGN) 95 D 02

Table 6

ITRF94 CLASS B STATION COORDINATES AT EPOCH 1993.0

DOMES NB.	SITE NAME	TECH.	ID.	*	(Note p. T-69)	X/Vx	Y/Vy	Z/Vz	Sigmat
								m/m/y	
10002M003	GRASSE	VLBI	7605	1	5	4581697.718	556125.694	4389351.406	.007 .007
10002M003						-.0125	.0190	.0087	.0016 .0017
10002S001	GRASSE	SLR	7835	8	9	4581691.712	556159.472	4389359.440	.006 .007 .006
10002S001						-.0121	.0194	.0084	.0014 .0015 .0015
10002S002	GRASSE	TIE	7845			4581692.254	556195.961	4389355.019	.007 .008 .008
10002S002						-.0122	.0194	.0084	.0017 .0018 .0019
10002S014	GRASSE	TIE				4581680.359	556166.023	4389371.073	.007 .008 .008
10002S014						-.0122	.0194	.0084	.0017 .0018 .0019
10003M003	TOULOUSE	VLBI	7608	1	3 4	4627950.052	119843.604	4372862.981	.013 .009 .013
10003S001	TOULOUSE	DORIS	TL5A	10	11 12	4628047.501	119670.281	4372787.744	.013 .010 .012
10302M002	TROMSO	VLBI	7602	1	3 4 9	2102904.131	721602.491	5958201.291	.007 .007 .007
10302M002						-.0191	.0153	.0042	.0018 .0019 .0020
10302M003	TROMSO	GPS	TROM	5	6 7	2102940.420	721569.352	5958192.079	.006 .007 .006
10302M003						-.0193	.0107	.0051	.0017 .0020 .0017
10302S010	TROMSO	TIE	TROA			2102915.356	721600.921	5958200.777	.008 .008 .008
10302S010						-.0191	.0148	.0043	.0021 .0021 .0021
10317M001	NY-ALESUND	GPS	NYAL	5	7 9	1202430.717	252626.621	6237767.496	.006 .007 .007
10317S002	NY-ALESUND	DORIS	SPIA	10	11 12	1202794.047	254163.067	6237609.318	.008 .008 .008
12205M002	BOROWIEC	GPS	BOR1	5		3738358.681	1148173.528	5021815.670	.011 .015 .010
12205M002						-.0163	.0169	.0068	.0031 .0040 .0029
12205S001	BOROWIEC	SLR	7811	8	9	3738332.915	1148246.437	5021815.995	.011 .015 .011
12205S001						-.0165	.0167	.0067	.0031 .0038 .0029
12717M001	NOTO	SLR	7543	8	9	4934528.959	1321133.288	3806522.650	.008 .008 .008
12717M001						-.0192	.0167	.0136	.0022 .0020 .0023
12717S001	NOTO	VLBI	7547	1	3 4	4934563.202	1321201.195	3806484.426	.007 .007 .007
12717S001						-.0191	.0165	.0136	.0021 .0016 .0020
21605S001	SHANGHAI	SLR	7837	8	9	-2831087.919	4676203.334	3275172.780	.012 .012 .012
21605S001						-.0264	-.0212	-.0150	.0030 .0029 .0030
21605S009	SHANGHAI	VLBI	7227	1	3 4	-2831686.791	4675733.730	3275327.750	.009 .010 .009
21605S009						-.0276	-.0186	-.0195	.0024 .0027 .0026
21730S001	TSUKUBA	VLBI	7311	1		-3957172.928	3310237.934	3737709.015	.011 .012 .010
21730S001						-.0046	.0015	-.0111	.0031 .0033 .0030
21730S005	TSUKUBA	GPS	TSKB	5		-3957199.234	3310199.650	3737711.777	.010 .012 .009
21730S005						-.0047	.0016	-.0111	.0030 .0032 .0029

Table 6 (cont.)

ITRF94 CLASS B STATION COORDINATES AT EPOCH 1993.0

DONES NB.	SITE NAME	TECH.	ID.	*	X/Vx	Y/Vy	Z/Vz	Sigmat
-----m/m/y-----								
30302M002	HARTEBEESTHOEK	GPS	HART	5 6 7	5084625.454	2670366.541	-2768494.007	.010 .010 .008
30302M002					-.0015	.0164	.0180	.0034 .0033 .0029
30302S001	HARTEBEESTHOEK	VLBI	7232	1 3 4	5085442.783	2668263.415	-2768697.103	.007 .008 .007
30302S001					-.0029	.0168	.0144	.0026 .0022 .0020
30302S202	HARTEBEESTHOEK	DORIS	HBKA	10 11 12	5084641.518	2670349.656	-2768497.252	.012 .013 .011
40104M002	ALGONQUIN	GPS	ALGO	5 6 7	918129.576	-4346071.229	4561977.811	.007 .006 .006
40104M002					-.0158	-.0051	.0035	.0016 .0015 .0016
40104M003	ALGONQUIN	SLR	7410	8 9	918213.087	-4346066.560	4561957.668	.007 .006 .007
40104M003					-.0158	-.0053	.0030	.0018 .0018 .0018
40104S001	ALGONQUIN	VLBI	7282	1 3 4	918034.824	-4346132.258	4561971.158	.006 .006 .006
40104S001					-.0156	-.0058	.0040	.0014 .0014 .0014
40127M001	YELLOWKNIFE	VLBI	7285	1 3 4	-1224124.550	-2689530.685	5633555.380	.007 .007 .006
40127M001					-.0203	-.0050	-.0022	.0016 .0017 .0017
40127M003	YELLOWKNIFE	GPS	YELL	5 6 7	-1224452.405	-2689216.097	5633638.289	.006 .007 .005
40127M003					-.0204	-.0042	-.0027	.0016 .0017 .0015
40127M004	YELLOWKNIFE	VLBI	7296	1 3 4	-1224399.474	-2689273.249	5633620.291	.006 .007 .006
40127M004					-.0204	-.0047	-.0026	.0015 .0017 .0019
40127S007	YELLOWKNIFE	DORIS	YELA	10 11 12	-1224423.941	-2689227.406	5633645.209	.007 .008 .007
40127S007					-.0202	-.0056	-.0011	.0019 .0020 .0019
40129M001	VICTORIA	VLBI	7289	1	-2341310.097	-3539083.882	4745768.353	.008 .008 .008
40129M001					-.0107	-.0078	-.0019	.0032 .0040 .0047
40129M003	ALBERT_HEAD	GPS	ALBH	6 7	-2341332.837	-3539049.505	4745791.389	.007 .007 .007
40129M003					-.0105	-.0078	-.0017	.0031 .0039 .0044
40400M001	PASADENA	TIE	7896		-2493212.001	-4655229.446	3565574.523	.016 .023 .018
40400M001					-.0294	.0240	.0058	.0041 .0065 .0050
40400M003	PASADENA	VLBI	7263	1 3	-2493306.065	-4655197.501	3565519.402	.016 .023 .018
40400M003					-.0293	.0240	.0058	.0041 .0065 .0050
40400M005	PASADENA	TIE	7264		-2493327.529	-4655178.489	3565530.291	.016 .023 .019
40400M005					-.0294	.0240	.0058	.0041 .0065 .0050
40400M006	PASADENA	GPS	JPLM	7	-2493304.078	-4655215.564	3565497.350	.016 .023 .018
40400M006					-.0294	.0239	.0058	.0041 .0065 .0050
40407M001	PINYON FLATS	VLBI	7256	1 3	-2369635.989	-4761324.864	3511116.195	.014 .021 .017
40407M001					-.0232	.0146	.0037	.0034 .0055 .0044

Table 6 (cont.)

ITRF94 CLASS B STATION COORDINATES AT EPOCH 1993.0

DOMES NB.	SITE NAME	TECH.	ID.	*	X/Vx	Y/Vy	Z/Vz	Sigmat
m/m/y								
40407M002	PINYON	GPS	PIN1	7	-2369510.401	-4761207.209	3511396.104	.015 .021 .017
40407M002					-.0229	.0148	.0039	.0035 .0057 .0044
40408M001	FAIRBANKS	GPS	FAIR	5 6 7	-2281621.345	-1453595.784	5756961.969	.006 .007 .005
40408M001					-.0208	-.0031	-.0117	.0015 .0016 .0015
40408S002	FAIRBANKS	VLBI	7225	1 3 4	-2281547.205	-1453645.068	5756993.202	.006 .007 .005
40408S002					-.0210	-.0037	-.0118	.0013 .0015 .0013
40408S004	FAIRBANKS	DORIS	FAIA	10 11 12	-2282502.968	-1453417.016	5756694.567	.007 .008 .006
40408S004					-.0196	-.0023	-.0120	.0017 .0019 .0016
40424M004	KOKEE_PARK	GPS	KOKB	5 6 7	-5543838.079	-2054587.518	2387809.589	.006 .007 .007
40424M004					-.0079	.0600	.0305	.0015 .0018 .0019
40424S001	KAUAI	VLBI	1311	1 3 4	-5543846.023	-2054563.898	2387813.999	.005 .007 .007
40424S001					-.0082	.0610	.0306	.0014 .0016 .0017
40424S008	KAUAI	DORIS	KOKA	10 11 12	-5543974.609	-2054590.167	2387488.049	.006 .008 .008
40424S008					-.0080	.0609	.0306	.0017 .0019 .0020
40436M002	SAN DIEGO	SLR	7062	8	-2428826.004	-4799750.381	3417272.804	.061 .061 .061
40436M002					-.0309	.0254	.0186	.0123 .0124 .0124
40436M003	SAN DIEGO	TIE	7035		-2428826.760	-4799754.212	3417267.166	.061 .061 .061
40436M003					-.0309	.0254	.0186	.0123 .0124 .0124
40456M001	PIETOWN	GPS	PIE1	5 7	-1640916.728	-5014781.205	3575447.168	.007 .006 .007
40456S001	PIETOWN	VLBI	7234	1 3 4	-1640953.641	-5014816.028	3575411.910	.006 .005 .006
40465M001	NORTH_LIBERTY	GPS	NLIB	7	-130934.408	-4762291.749	4226854.687	.007 .007 .007
40465M001					-.0145	.0087	-.0110	.0020 .0029 .0026
40465S001	NORTH LIBERTY	VLBI	7612	1 3 4	-130872.180	-4762317.137	4226851.061	.007 .006 .007
40465S001					-.0144	.0088	-.0108	.0018 .0029 .0026
40497M001	MONUMENT PEAK	SLR	7110	8 9	-2386278.085	-4802354.246	3444881.535	.006 .005 .007
40497M001					-.0320	.0250	.0141	.0014 .0012 .0014
40497M002	MONUMENT PEAK	TIE	7220		-2386292.354	-4802347.374	3444880.939	.007 .007 .008
40497M002					-.0320	.0250	.0141	.0017 .0017 .0018
40497M003	MONUMENT PEAK	VLBI	7274	1 3	-2386289.484	-4802346.444	3444884.057	.007 .006 .007
40497M003					-.0323	.0250	.0136	.0015 .0015 .0017
41602M001	FORTALEZA	GPS	FORT	5 6 7	4985386.643	-3954998.560	-428426.550	.008 .008 .008
41602M001					.0038	-.0094	.0111	.0029 .0031 .0024
41602S001	FORTALEZA	VLBI	7297	1 3 4	4985370.046	-3955020.295	-428472.353	.008 .008 .007
41602S001					.0038	-.0097	.0114	.0029 .0030 .0023

Table 6 (cont.)

ITRF94 CLASS B STATION COORDINATES AT EPOCH 1993.0

DOMES NB.	SITE NAME	TECH. ID.	*	X/Vx	Y/Vy	Z/Vz	Sigmat
						-m/m/y	
41703M001	EASTER ISLAND	TIE 7061		-1884983.598	-5357607.055	-2892852.737	.010 .009 .009
41703M001				.0730	-.0189	-.0102	.0026 .0025 .0025
41703M002	EASTER ISLAND	SLR 7097	8 9	-1884984.022	-5357608.259	-2892853.387	.009 .009 .009
41703M002				.0731	-.0190	-.0102	.0023 .0022 .0022
41703M003	EASTER ISLAND	GPS EISL	5	-1884952.007	-5357595.774	-2892890.474	.009 .009 .009
41703M003				.0727	-.0189	-.0100	.0025 .0024 .0024
41703S008	EASTER ISLAND	DORIS EASA	10 11 12	-1884993.978	-5357604.928	-2892858.655	.010 .009 .009
41703S008				.0730	-.0188	-.0104	.0025 .0024 .0024
41705M001	SANTIAGO	TIE 7400		1769699.567	-5044612.943	-3468259.965	.009 .008 .008
41705M001				.0224	-.0066	.0148	.0035 .0029 .0029
41705M002	SANTIAGO	TIE GIG		1769724.632	-5044512.306	-3468396.356	.009 .008 .008
41705M002				.0224	-.0066	.0148	.0035 .0029 .0029
41705M003	SANTIAGO	GPS SANT	5 6 7	1769693.258	-5044574.114	-3468321.112	.008 .007 .008
41705M003				.0225	-.0066	.0147	.0032 .0028 .0028
41705S006	SANTIAGO	VLBI 1404	1 3 4	1769693.025	-5044504.505	-3468435.035	.008 .007 .008
41705S006				.0218	-.0067	.0153	.0032 .0028 .0028
41705S007	SANTIAGO	DORIS SANA	10 11 12	1776346.651	-5026544.234	-3491183.705	.025 .019 .017
41705S007				.0274	-.0311	.0292	.0181 .0157 .0146
42202M003	AREQUIPA	SLR 7403	8 9	1942808.077	-5804069.696	-1796915.531	.007 .006 .008
42202M003				.0134	-.0012	.0076	.0017 .0016 .0018
42202M004	AREQUIPA	GPS AREQ	5	1942785.002	-5804081.595	-1796911.075	.008 .007 .008
42202M004				.0132	-.0011	.0071	.0020 .0019 .0020
42202M005	AREQUIPA	GPS AREQ	5 6	1942826.693	-5804070.243	-1796894.035	.008 .007 .008
42202M005				.0134	-.0009	.0069	.0020 .0018 .0020
42202S001	AREQUIPA	SLR 7907	8 9	1942792.057	-5804077.609	-1796919.194	.008 .007 .008
42202S001				.0134	-.0009	.0074	.0019 .0017 .0019
42202S005	AREQUIPA	DORIS AREA	10 11 12	1942796.709	-5804077.715	-1796919.159	.008 .007 .008
42202S005				.0132	-.0011	.0074	.0020 .0019 .0021
50103M108	TIDBINBILLA	GPS TIDB	5 6 7	-4460995.984	2682557.093	-3674443.881	.007 .007 .007
50103M108				-.0366	-.0030	.0442	.0024 .0022 .0022
50103S001	CANBERRA	VLBI 1543	1 2	-4460894.556	2682361.544	-3674748.534	.008 .008 .008
50103S001				-.0365	-.0030	.0446	.0026 .0023 .0023

Table 6 (cont.)

ITRF94 CLASS B STATION COORDINATES AT EPOCH 1993.0

DOMES NB.	SITE NAME	TECH. ID.	*	X/Vx	Y/Vy	Z/Vz	Sigmat
				m/m/y			
50103S003	CANBERRA	TIE 7943		-4447548.945	2677134.042	-3694996.304	.015 .015 .015
50103S003				-.0349	.0014	.0413	.0039 .0039 .0040
50103S005	CANBERRA	VLBI 1542	2	-4460980.958	2682413.499	-3674581.969	.008 .008 .008
50103S005				-.0365	-.0030	.0445	.0026 .0023 .0024
50103S007	CANBERRA	SLR 7843	8 9	-4446476.912	2678127.000	-3696251.417	.008 .008 .009
50103S007				-.0349	.0015	.0414	.0020 .0020 .0022
50103S010	CANBERRA	VLBI 1545	1 2 3 4	-4460935.263	2682765.711	-3674381.385	.007 .007 .007
50103S010				-.0365	-.0028	.0445	.0023 .0022 .0022
50103S201	CANBERRA	DORIS ORRA	10 11 12	-4446470.500	2678101.959	-3696274.292	.009 .009 .009
50103S201				-.0346	.0013	.0410	.0022 .0022 .0023
50107M001	YARRAGADEE	SLR 7090	8 9	-2389006.737	5043329.316	-3078525.093	.006 .005 .007
50107M001				-.0485	.0124	.0490	.0014 .0012 .0015
50107M004	YARRAGADEE	GPS YAR1	5 6 7	-2389025.344	5043316.844	-3078530.925	.007 .006 .007
50107M004				-.0488	.0121	.0493	.0017 .0015 .0018
50107S006	YARRAGADEE	DORIS YARA	10 11 12	-2389003.746	5043340.585	-3078513.272	.007 .006 .007
50107S006				-.0482	.0122	.0486	.0018 .0016 .0018
91201M002	KERGUELEN	GPS KERG	5	1406337.337	3918161.105	-4816167.326	.012 .012 .011
91201M002				.0065	-.0073	-.0066	.0170 .0140 .0132
91201S002	KERGUELEN	DORIS KERA	10 11 12	1405826.344	3918281.681	-4816204.107	.013 .012 .011
91201S002				.0061	-.0070	-.0067	.0170 .0140 .0132
91201S003	KERGUELEN	DORIS KERB	12	1405826.410	3918281.829	-4816204.261	.013 .012 .012
91201S003				.0063	-.0072	-.0066	.0170 .0140 .0132
97301M210	KOUROU	GPS KOUR	5 7	3839591.447	-5059567.538	579956.867	.008 .008 .007
97301M210				.0027	-.0041	.0133	.0043 .0036 .0023
97301S004	KOUROU	DORIS KRUB	10 11 12	3855261.275	-5049734.761	563057.771	.017 .016 .013
97301S004				.0049	-.0060	.0051	.0076 .0072 .0062
97301S005	KOUROU	DORIS KRUA	11	3854715.112	-5049977.783	564747.531	.018 .017 .015
97301S005				.0009	-.0055	.0138	.0075 .0071 .0063

*1: SSC(GSFC) 95 R 01 2: SSC(JPL) 95 R 01 3: SSC(NOA) 95 R 01 4: SSC(USNO) 95 R 04
5: SSC(CODE) 95 P 02 6: SSC(EMR) 95 P 02 7: SSC(JPL) 95 P 02 8: SSC(CSR) 95 L 01
9: SSC(DUT) 95 C 02 10: SSC(CSR) 95 D 01 11: SSC(GRGS) 95 D 01 12: SSC(IGN) 95 D 02

Table 7

ITRF94 CLASS C STATION COORDINATES AT EPOCH 1993.0

DOMES NB. SITE NAME	TECH. ID.	*	(Note p. T-80)	X/Vx	Y/Vy	Z/Vz	Sigmatas
				-----m/m/y-----			
10004M002 BREST	VLBI 7604	1		4228877.159	-333104.244	4747180.966	.050 .046 .051
10004S001 BREST	TIE			4228878.391	-333104.341	4747182.359	.050 .046 .051
10101S001 COPENHAGUE	GPS BUDD	5		3513649.508	778954.572	5248201.863	.028 .017 .040
10112S001 HOVVIG	GPS HVG	5		3523228.790	502878.707	5275212.999	.028 .017 .041
10202S001 REYKJAVIK	DORIS REYA	10 11 12		2585528.324	-1044368.122	5717158.955	.015 .014 .014
10204M001 HOFN	VLBI 7635	1 3 4		2679650.311	-727916.499	5722807.216	.026 .010 .055
10317S003 NY-ALESUND	VLBI 7331	1 3 4		1202462.831	252734.370	6237766.007	.007 .007 .009
10329M001 TRYSEL	VLBI 7607	1 3 4		2988029.221	655957.040	5578669.079	.011 .007 .018
10402S001 ONSALA	VLBI 7211	1		3370966.200	711465.905	5349663.990	.018 .009 .028
10403M002 KIRUNA	GPS KIRU	7 9		2251420.999	862817.095	5885476.564	.010 .011 .015
10403M002				-.0177	.0140	.0054	.0031 .0032 .0045
10503M002 METSAHOVI	VLBI 7601	1 9		2890652.817	1310295.278	5513958.671	.008 .008 .007
10503M002				-.0169	.0129	.0052	.0019 .0020 .0020
10503S001 METSAHOVI	SLR 7805	8 9		2892595.516	1311807.751	5512610.802	.009 .009 .009
10503S001				-.0167	.0130	.0053	.0023 .0024 .0024
10503S011 METSAHOVI	GPS METS	5 7		2892570.999	1311843.280	5512634.011	.006 .007 .006
10503S011				-.0164	.0133	.0057	.0017 .0018 .0017
10503S013 METSAHOVI	DORIS META	10 11 12		2890641.206	1310310.497	5513964.902	.008 .009 .008
10503S013				-.0173	.0127	.0050	.0022 .0022 .0022
11005M002 PFANDER	GPS PFAN	5		4253563.418	733522.595	4681452.186	.027 .014 .029
12108M001 LJUBLJANA	GPS LJUB	5		4293738.009	1110067.763	4569047.646	.010 .008 .011
12204M001 JOZEFOSLAW	GPS JOZE	5 9		3664940.400	1409153.685	5009571.284	.007 .009 .008
12204M001				-.0175	.0176	.0090	.0030 .0048 .0025
12209M001 LAMKOWKO	GPS LAMA	5 9		3524523.142	1329693.469	5129846.263	.008 .008 .009
12302M001 RIGA	SLR 7560	8 9		3183914.260	1421473.492	5322796.789	.055 .036 .032
12302S002 RIGA	SLR 1884	8 9		3183895.945	1421496.956	5322803.644	.017 .016 .017
12309M001 MENDELEEVO	GPS MDVO	9		2844672.227	2161066.342	5266365.531	.027 .025 .039
12329S001 SAKHALINS	DORIS SAKA	10 11 12		-3465325.980	2638266.726	4644082.385	.016 .017 .014
12334M001 KITAB	GPS KIT3	5 6 9		1944945.450	4556652.176	4004325.973	.010 .011 .011
12334S004 KITAB	DORIS KITA	10 11 12		1945024.719	4556708.790	4004235.841	.022 .018 .016
12334S004				-.0280	.0163	.0064	.0197 .0156 .0134
12337M001 SIMEIS	SLR 7561	8 9		3783746.555	2551362.614	4441445.103	.050 .038 .060
12337S003 SIMEIS	SLR 1873	8 9		3783902.626	2551405.040	4441257.635	.164 .153 .174

Table 7 (cont.)

ITRF94 CLASS C STATION COORDINATES AT EPOCH 1993.0

DOMES NB.	SITE NAME	TECH.	ID.	*	X/Vx	Y/Vy	Z/Vz	Sigmat
-----m/m/y-----								
12337S006	KATZIVELY	SLR	1893	8	3785944.665	2550780.553	4439461.341	.329 .255 .371
12337S008	SIMEIS	VLBI	7332	1 3 4	3785231.147	2551207.359	4439796.335	.012 .009 .013
12338S001	BADARY	DORIS	BADA	10 11 12	-838277.586	3865776.997	4987626.651	.017 .016 .015
12342S001	USSURIISK	VLBI	7247	1	-3059724.648	3427256.317	4409484.923	.374 .427 .521
12602M002	DIONYSOS	SLR	7515	8 9	4595216.439	2039435.372	3912629.488	.012 .013 .013
12602M002					.0044	.0101	-.0085	.0027 .0028 .0030
12602S001	DIONYSOS	TIE	7940		4595218.392	2039464.731	3912614.296	.013 .013 .013
12602S001					.0043	.0101	-.0085	.0029 .0030 .0031
12602S011	DIONYSOS	DORIS	DIOA	10 11 12	4595215.212	2039475.402	3912615.072	.012 .013 .013
12602S011					.0042	.0099	-.0085	.0029 .0030 .0031
12612M001	ASKITES	SLR	7510	8 9	4353444.808	2082666.387	4156506.736	.013 .013 .015
12612M001					-.0141	.0209	.0099	.0029 .0030 .0033
12613M001	ROUMELLI	SLR	7517	8 9	4728694.705	2174373.443	3674572.937	.013 .013 .014
12613M001					.0095	.0135	-.0088	.0029 .0028 .0031
12614M001	KARITSA	SLR	7520	8 9	4596042.559	1733476.818	4055720.933	.014 .015 .015
12614M001					-.0143	.0190	.0103	.0033 .0034 .0036
12615M001	KATAVIA	SLR	7512	8 9	4573400.053	2409322.317	3723881.750	.013 .013 .015
12615M001					.0061	.0197	-.0077	.0029 .0030 .0035
12616M001	XRISOKALARIA	SLR	7525	8 9	4745949.569	1905705.969	3799169.040	.013 .012 .014
12616M001					.0072	.0069	-.0078	.0030 .0028 .0033
12706M001	LAMPEDUSA	SLR	7544	8 9	5072831.946	1130886.341	3684837.084	.016 .017 .018
12706M001					-.0090	.0205	.0181	.0037 .0038 .0043
12711M002	BOLOGNA	SLR	7546	8 9	4461399.597	919566.849	4449510.594	.006 .006 .007
12711M002					-.0187	.0190	.0084	.0015 .0016 .0022
12711S001	BOLOGNA	VLBI	7230	1 3 4	4461370.066	919596.753	4449559.150	.006 .006 .006
12711S001					-.0187	.0190	.0084	.0015 .0015 .0016
12718M002	TRIESTE	SLR	7550	8 9	4336738.518	1071271.571	4537911.131	.024 .027 .025
12718M002					-.0147	.0200	.0136	.0055 .0061 .0056
12725M002	CAGLIARI	SLR	7545	8 9	4893398.013	772673.400	4004141.042	.018 .019 .019
12725M002					-.0164	.0182	.0115	.0041 .0044 .0044
12749M001	MONTE VENDA	SLR	7542	8 9	4399363.544	910506.534	4512940.980	.017 .025 .023
12750M001	PADOVA	GPS UPAD	5	9	4389529.919	923254.802	4519262.305	.018 .014 .018
12750M002	PADOVA	GPS UPAD	5	5	4389531.336	923253.573	4519256.303	.019 .011 .019

Table 7 (cont.)

ITRF94 CLASS C STATION COORDINATES AT EPOCH 1993.0

DONES NB.	SITE NAME	TECH.	ID.	*	X/Vx	Y/Vy	Z/Vz	Sigmat
-----m/m/y-----								
13101M004	BRUSSELS	GPS	BRUS	5 9	4027893.915	307045.626	4919474.980	.007 .011 .007
13101M004					-.0134	.0183	.0122	.0028 .0060 .0025
13201S002	CHILBOLTON	VLBI	7215	1	4008310.133	-100650.823	4943794.757	.130 .163 .108
13296M002	CARNUSTY	VLBI	7603	1	3526416.417	-171421.165	5294098.814	.059 .048 .066
13406M001	VILLAFRANCA	GPS	VILL	9	4849833.874	-335049.255	4116014.809	.031 .014 .028
13407S001	MADRID	VLBI	1563	2	4849092.678	-360180.580	4115109.126	.010 .010 .013
13407S001					-.0069	.0192	.0134	.0027 .0025 .0034
13407S003	MADRID	VLBI	1561	1 2 4	4849245.242	-360278.185	4114884.467	.022 .012 .021
13407S003					-.0068	.0192	.0137	.0057 .0032 .0055
14106S001	POTSDAM	SLR	1181	8 9	3800621.186	882005.377	5028859.529	.024 .023 .018
14106S001					-.0136	.0152	.0058	.0062 .0057 .0046
14202M002	HOHENBUNSTORF	VLBI	7600	1	3778214.927	698644.715	5074053.571	.044 .048 .040
14209S001	EFFELSBURG	VLBI	7203	1 3 4	4033947.524	486990.447	4900430.748	.006 .007 .007
14209S001					-.0167	.0168	.0060	.0018 .0016 .0020
14213M002	HOHENPEIJSSENBERG	VLBI	7630	1 3 4	4213687.298	820422.891	4702784.221	.041 .011 .045
14260M001	KARLSBURG	VLBI	7632	1 3 4	3653204.312	884427.516	5135732.111	.045 .014 .063
14261M001	KIRSCHBERG	VLBI	7631	1 3	3879830.800	987963.269	4948713.361	.026 .010 .032
20702M001	BAR GIYVORA	SLR	7530	8 9	4443965.873	3121945.272	3334693.732	.017 .017 .018
20702M001					-.0127	.0193	.0187	.0041 .0041 .0043
20801M001	DIYARBAKIR	SLR	7575	9	3848635.796	3251760.898	3898909.335	.047 .050 .055
20801M001					-.0289	-.0051	.0125	.0097 .0104 .0113
20802M001	YOZGAT	SLR	7585	8 9	4029730.574	2802093.269	4062068.097	.020 .020 .019
20802M001					-.0116	-.0024	.0142	.0046 .0046 .0044
20803M001	MELENGICLICK	SLR	7580	8 9	4247620.407	2778638.992	3851607.585	.015 .015 .017
20803M001					-.0133	.0040	.0103	.0033 .0033 .0040
20804M001	YIGILCA	SLR	7587	8 9	4117361.896	2517076.910	4157679.134	.016 .014 .017
20804M001					-.0169	.0150	.0117	.0038 .0033 .0039
20805M001	ANKARA	SLR	7589	8 9	4121934.260	2652189.812	4069034.911	.012 .013 .011
21501S001	EVEREST	DORIS	EVEB	10 11 12	313666.629	5633552.668	2974736.598	.059 .038 .033
21501S001					-.0351	.0031	.0124	.0529 .0339 .0288
21602S003	WUHAN	SLR	7236	8	-2266555.699	5009079.469	3222266.178	.079 .134 .101
21602S003					-.0269	-.0042	-.0078	.0216 .0366 .0278

Table 7 (cont.)

ITRF94 CLASS C STATION COORDINATES AT EPOCH 1993.0

DOMES NB.	SITE NAME	TECH.	ID.	*	X/Vx	Y/Vy	Z/Vz	Sigmat
-----m/m/y-----								
21604S003	PURPLE MOUNTAIN	DORIS	PURA	10 12	-2608501.880	4739980.333	3366883.097	.033 .028 .023
21604S003					-.0444	.0006	.0046	.0323 .0274 .0227
21605M002	SHANGHAI	GPS	SHAO	5	-2831733.158	4675666.097	3275369.584	.013 .015 .012
21605S008	SHANGHAI	VLBI	7226	1 4	-2847698.122	4659872.632	3283958.664	.261 .230 .217
21611S001	CHANGCHUN	SLR	7237	8 9	-2674386.851	3757189.458	4391508.514	.244 .205 .252
21612S001	URUMQI	VLBI	7330	1 3 4	228310.846	4631922.848	4367063.973	.020 .055 .053
21701S001	KASHIMA	VLBI	1856	1 3 4	-3997892.268	3276581.262	3724118.288	.007 .007 .008
21701S001					-.0018	.0014	-.0144	.0019 .0016 .0021
21701S004	KASHIMA	VLBI	1857	1 3 4	-3997649.214	3276690.729	3724278.868	.007 .007 .008
21701S004					.0051	-.0036	-.0198	.0023 .0020 .0025
21702S009	MIZUSAWA	VLBI	7314	1	-3862411.924	3105015.011	4001944.894	.029 .026 .030
21702S010	MIZUSAWA	VLBI	7324	1 3 4	-3857236.104	3108803.207	4003883.118	.020 .016 .020
21702S010					-.0119	.0022	-.0149	.0115 .0113 .0111
21704S002	TOKYO	SLR	7308	8	-3942020.196	3368097.573	3702191.046	.195 .190 .233
21718S001	MIYAZAKI	VLBI	7312	1	-3582767.942	4052033.993	3369020.606	.090 .093 .088
21725S001	NOBEYAMA	VLBI	7244	1 3 4	-3871168.315	3428273.957	3723697.655	.033 .031 .032
21725S001					-.0169	-.0086	-.0139	.0091 .0085 .0089
21726S001	SIMOSATO	SLR	7838	8 9	-3822388.333	3699363.510	3507573.118	.009 .009 .010
21729S001	USUDA	VLBI	7246	1	-3855355.422	3427427.561	3740971.299	.072 .069 .073
21729S007	USUDA	GPS	USUD	5 6 7	-3855262.987	3427432.511	3741020.408	.010 .011 .009
21729S007					-.0001	.0029	-.0092	.0046 .0053 .0033
21731S001	SHINTOTSUGAWA	VLBI	7315	1	-3642141.893	2861496.569	4370361.703	.045 .042 .046
21732S001	CHICHIJIMA	VLBI	7316	1	-4489356.623	3482989.589	2887931.231	.097 .081 .093
21732S001					.0188	.0160	-.0005	.0255 .0213 .0239
21732S002	CHICHIJIMA	TIE	7844		-4491072.906	3481527.442	2887391.723	.108 .095 .105
21732S002					.0188	.0158	-.0005	.0287 .0251 .0273
21733S002	MINAMI TORI	SIMA	VLBI	7310 1 3	-5227446.661	2551379.459	2607604.907	.023 .015 .015
21737S001	SAGARA	VLBI	7325	1	-3913437.776	3501122.801	3608593.583	.072 .061 .071
21738S001	DAITO	VLBI	7326	1	-3786460.694	4320156.021	2762038.856	.075 .083 .063
22006S001	MANILLE	DORIS	MANA	10 11 12	-3184357.656	5291042.136	1590419.471	.034 .029 .019
22006S001					.0048	.0068	-.0062	.0323 .0270 .0172
23101S001	CIBINONG	DORIS	CIBB	10 11 12	-1836963.535	6065626.744	-716217.276	.036 .026 .020
23101S001					-.0234	.0045	.0023	.0383 .0293 .0220

Table 7 (cont.)

ITRF94 CLASS C STATION COORDINATES AT EPOCH 1993.0

DOMES NB.	SITE NAME	TECH.	ID.	*	X/Vx	Y/Vy	Z/Vz	Sigmat
-----m/m/y-----								
23501S001	COLOMBO	DORIS	COLA	10 11 12	1113278.779	6233646.236	760276.608	.028 .019 .016
23501S001					-.0197	.0125	.0329	.0256 .0178 .0130
23601M001	TAIPEI	GPS	TAIW	5 6 7	-3024781.870	4928936.897	2681234.506	.011 .010 .009
23601M001					-.0215	-.0186	.0004	.0060 .0045 .0035
30101S001	HELWAN	SLR	7831	8 9	4728283.466	2879670.372	3156894.649	.017 .014 .016
30101S001					-.0198	.0197	.0148	.0044 .0037 .0041
30302M003	HARTEBEESTHOEK	SLR	7501	8 9	5085401.131	2668330.035	-2768688.916	.011 .012 .011
30313S001	MARION ISLAND	DORIS	MARA	10 11 12	3448405.603	2680356.271	-4632640.444	.017 .018 .015
30313S001					.0077	.0146	.0115	.0154 .0170 .0131
30314M001	SUTHERLAND	SLR	7502	8 9	5041543.393	1915353.058	-3396942.360	.010 .010 .012
30604S001	TRISTAN DA CUNHADORIS	TRIA	10 11 12		4978463.110	-1086620.737	-3823205.684	.018 .023 .016
30604S001					.0164	.0100	.0104	.0162 .0215 .0144
30606S002	SAINTE-HELENE	DORIS	HELA	10 11 12	6104828.314	-605837.498	-1740706.565	.019 .028 .015
30606S002					.0431	-.0006	.0180	.0168 .0248 .0126
31303M001	MASPALOMAS	GPS	MASP	5 7 9	5439189.154	-1522054.850	2953464.209	.007 .007 .007
31303M001					.0001	.0154	.0152	.0019 .0025 .0023
31303M002	MASPALOMAS	GPS	MASP	5	5439192.263	-1522055.702	2953454.647	.011 .024 .011
31901S001	FLORES	DORIS	FLOA	10 11 12	4221385.315	-2549305.737	4031509.245	.023 .026 .019
31901S001					-.0438	.0065	.0346	.0367 .0385 .0241
31903S001	SANTA MARIA	DORIS	SAMB	12	4617391.291	-2169543.859	3815405.025	.053 .050 .052
31903S001					-.0017	.0178	.0129	.0172 .0172 .0171
31906M001	SAO MIGUEL	VLBI	7609	1 3 4	4552174.646	-2186664.756	3882779.749	.026 .014 .023
31906M001					-.0013	.0175	.0136	.0115 .0112 .0113
32809S002	LIBREVILLE	DORIS	LIBA	10 11 12	6287388.571	1071574.200	39147.066	.020 .029 .016
32809S002					.0142	.0021	.0042	.0187 .0268 .0128
34101S004	DAKAR	DORIS	DAKA	10 11 12	5886437.399	-1848461.505	1611441.685	.024 .035 .017
39901S002	DJIBOUTI	DORIS	DJIA	10 11 12	4583119.443	4250952.109	1266247.652	.026 .027 .017
40101M001	ST. JOHNS	GPS	STJO	5 6 7	2612631.316	-3426807.013	4686757.760	.007 .007 .006
40101M001					-.0195	-.0034	.0127	.0026 .0022 .0017
40130M001	HOLBERG	GPS	HOLB	6	-2503040.361	-3188233.395	4908701.663	.138 .164 .221
40132M001	LA GRANDE	SLR	7411	8	749864.966	-3709310.821	5116945.977	.031 .048 .059
40400M007	PASADENA	GPS	JPLM	7	-2493304.082	-4655215.545	3565497.353	.008 .008 .008

Table 7 (cont.)

ITRF94 CLASS C STATION COORDINATES AT EPOCH 1993.0

DONES NB.	SITE NAME	TECH.	ID.	*	X/Vx	Y/Vy	Z/Vz	Sigmat
-----m/m/y-----								
40403M001	PALOS VERDES	VLBI	7268	1 3	-2525452.868	-4670035.565	3522886.851	.026 .042 .034
40403M001					-.0282	.0270	.0103	.0063 .0107 .0084
40404M001	PEARBLOSSOM	VLBI	7254	1 3	-2464070.968	-4649425.593	3593905.759	.029 .044 .037
40404M001					-.0224	.0146	.0030	.0068 .0111 .0089
40405S003	GOLDSTONE	VLBI	1512	2	-2350443.762	-4651980.815	3665630.945	.017 .021 .019
40405S005	GOLDSTONE	DORIS GOMA	12		-2350858.520	-4655545.787	3661004.689	.069 .065 .053
40405S031	GOLDSTONE	GPS GOLD	5	6 7	-2353614.102	-4641385.423	3676976.478	.007 .006 .007
40405S033	GOLDSTONE	VLBI	7222	1 3 4	-2356171.007	-4646755.885	3668470.613	.007 .007 .008
40405S034	GOLDSTONE	VLBI	1515	1 3 4	-2353538.768	-4641649.513	3676670.010	.008 .009 .009
40405S036	GOLDSTONE	GPS GOLD	7		-2353614.113	-4641385.440	3676976.495	.042 .062 .048
40406M001	PRESIDIO	VLBI	7252	1 3 4	-2707704.902	-4257609.547	3888374.223	.016 .022 .020
40406M001					-.0222	.0106	.0002	.0038 .0054 .0051
40406M002	PRESIDIO	VLBI	7252	1	-2707704.883	-4257609.501	3888374.201	.026 .038 .035
40407M003	PINYON	GPS PIN1	7		-2369510.373	-4761207.202	3511396.151	.009 .012 .010
40410M001	POINT REYES	VLBI	7251	1 3 4	-2732333.148	-4217634.786	3914491.169	.015 .021 .020
40410M001					-.0210	.0305	.0156	.0037 .0052 .0050
40412M003	AUSTIN	VLBI	7271	1	-737793.782	-5459892.301	3202990.493	.075 .082 .076
40416M001	YAKATAGA	VLBI	7277	1 3	-2529744.188	-1942091.169	5505027.993	.035 .032 .050
40416M001					-.0086	.0288	.0003	.0080 .0071 .0128
40416M002	YAKATAGA	VLBI	7277	1 3	-2529744.250	-1942091.150	5505027.938	.024 .022 .039
40416M002					-.0093	.0282	.0023	.0060 .0053 .0107
40419M001	KODIAK	VLBI	7278	1 3	-3026940.192	-1575911.775	5370362.485	.024 .018 .034
40419M001					-.0174	.0052	-.0085	.0057 .0040 .0087
40420M101	VANDENB/HARVEST	GPS HARV	7		-2686069.169	-4527084.471	3589502.257	.010 .013 .011
40421M001	NOME	VLBI	7279	1 3	-2658150.482	-693821.950	5737236.604	.028 .018 .051
40421M001					-.0216	-.0073	-.0125	.0069 .0039 .0131
40423M001	SANDPOINT	VLBI	7280	1 3	-3425461.936	-1214669.122	5223858.226	.029 .019 .038
40423M001					-.0192	.0044	-.0154	.0071 .0044 .0097
40424S007	KAUAI	VLBI	7298	1 3 4	-5543837.585	-2054568.113	2387851.826	.005 .007 .007
40425M001	SOURDOUGH	VLBI	7281	1 3	-2419993.519	-1664228.771	5643538.243	.024 .021 .042
40425M002	SOURDOUGH	VLBI	7281	1	-2419993.520	-1664228.777	5643538.260	.022 .018 .044
40427M001	FORT ORD	VLBI	7266	1 3	-2697026.801	-4354393.141	3788077.770	.022 .031 .028
40427M002	FORT ORD	VLBI	7241	1 3 4	-2699840.303	-4359126.929	3781051.121	.022 .033 .029

Table 7 (cont.)

ITRF94 CLASS C STATION COORDINATES AT EPOCH 1993.0

DOMES NB.	SITE NAME	TECH.	ID.	*	X/Vx	Y/Vy	Z/Vz	Sigmat
							m/m/y	
40427M003	FORT ORD	VLBI	7241	1 3	-2699840.300	-4359126.934	3781051.156	.015 .022 .019
40428M001	SANTA PAOLA	VLBI	7255	1 3	-2554476.751	-4608627.289	3582138.380	.029 .045 .037
40428M001					-.0299	.0239	.0089	.0069 .0114 .0090
40430M001	BLACK BUTTE	VLBI	7269	1 3	-2306306.969	-4787914.440	3515736.415	.025 .040 .033
40430M001					-.0171	.0030	-.0088	.0057 .0097 .0078
40431M001	DEADMAN LAKE	VLBI	7267	1	-2336819.672	-4732586.964	3570329.990	.073 .074 .085
40431M001					-.0175	.0049	-.0066	.0152 .0168 .0180
40432M001	ELY	VLBI	7286	1 3	-2077236.325	-4486712.735	4018753.736	.018 .030 .027
40432M001					-.0169	.0003	-.0109	.0041 .0073 .0065
40432M002	ELY	TIE	7257		-2077219.909	-4486721.996	4018751.537	.018 .030 .027
40432M002					-.0169	.0003	-.0109	.0043 .0075 .0065
40437M001	MAMMOTH LAKES	VLBI	7259	1	-2448246.805	-4426738.283	3875435.904	.054 .077 .079
40437M001					-.0213	.0103	-.0051	.0128 .0195 .0189
40437M002	MAMMOTH LAKES	GPS	CASA	7	-2444430.137	-4428687.657	3875747.414	.015 .021 .018
40437M002					-.0352	-.0297	.0071	.0202 .0291 .0239
40438M001	BEAR LAKE	TIE	7082		-1735997.241	-4425048.372	4241430.480	.020 .026 .028
40438M001					-.0187	-.0055	-.0083	.0056 .0070 .0074
40438M002	BEAR LAKE	SLR	7046	8 9	-1736003.066	-4425049.642	4241427.089	.019 .026 .028
40438M002					-.0187	-.0055	-.0083	.0056 .0069 .0074
40439S006	OWENS VALLEY	VLBI	7616	1 3 4	-2409150.040	-4478573.276	3838617.433	.006 .006 .007
40441S001	GREENBANK	VLBI	7204	1 3 4	882879.960	-4924482.317	3944130.589	.007 .006 .007
40441S001					-.0142	-.0004	.0005	.0014 .0016 .0017
40441S004	GREENBANK	VLBI	7214	1 3 4	882325.637	-4925138.001	3943397.680	.006 .005 .006
40441S004					-.0158	-.0020	.0010	.0014 .0013 .0015
40441S005	GREENBANK	VLBI	7248	1 4	883555.626	-4924490.905	3943961.965	.007 .010 .010
40441S005					-.0144	-.0003	.0006	.0016 .0027 .0025
40441S006	GREENBANK	VLBI	7214	1	882325.635	-4925137.996	3943397.682	.006 .005 .006
40441S006					-.0149	-.0009	.0007	.0014 .0019 .0019
40441S007	GREENBANK	VLBI		4	883772.828	-4924385.615	3944042.499	.010 .017 .015
40449M001	OCOTILLO	VLBI	7270	1	-2335601.234	-4832244.031	3434392.725	.112 .130 .117
40449M001					-.0286	.0281	.0162	.0254 .0333 .0280
40452M001	BLOOMINGTON	VLBI	7291	1	302384.456	-4941699.065	4007908.504	.086 .165 .144
40453M001	CARROLLTON	VLBI	7228	1	453520.643	-5300506.793	3507207.456	.084 .162 .112

Table 7 (cont.)

ITRF94 CLASS C STATION COORDINATES AT EPOCH 1993.0

DOMES NB.	SITE NAME	TECH. ID.	*	X/Vx	Y/Vy	Z/Vz	Sigmas
-----m/m/y-----							
40454M001	LEONARD	VLBI 7292	1	-522231.571	-5145676.911	3720152.368	.073 .095 .081
40455M001	MILES CITY	VLBI 7038	1	-1204439.011	-4239211.120	4596266.060	.075 .143 .142
40457M001	SEATTLE	VLBI 7229	1 3	-2295347.979	-3638029.478	4693408.671	.044 .066 .085
40457M001				-.0149	-.0021	-.0090	.0112 .0175 .0218
40463S001	LOS ALAMOS	VLBI 7611	1 3 4	-1449752.295	-4975298.605	3709123.958	.006 .005 .006
40463S001				-.0121	.0009	-.0078	.0014 .0015 .0015
40466S001	KITT PEAK	VLBI 7610	1 3 4	-1995678.565	-5037317.730	3357328.166	.007 .008 .008
40466S001				-.0120	.0050	-.0115	.0023 .0038 .0029
40471S001	HANCOCK	VLBI 7618	1 3 4	1446375.191	-4447939.661	4322306.123	.007 .007 .007
40473S001	BREWSTER	VLBI 7614	1 3 4	-2112064.910	-3705356.525	4726813.836	.007 .007 .007
40473S001				-.0119	.0015	-.0103	.0024 .0030 .0031
40475S001	WAIMEA (HAWAII)	DORIS WAIA	12	-5463463.636	-2470053.008	2170024.886	.287 .270 .207
40476S001	HAWAIIAN VOLCANO	DORIS HVOA	12	-5467476.048	-2516166.326	2107723.763	.265 .255 .201
40477S001	MAUNA KEA	VLBI 7617	1 3 4	-5464074.910	-2495249.379	2148296.727	.007 .008 .008
40489S001	HAT CREEK	VLBI 7218	1 3 4	-2523969.957	-4123506.352	4147752.588	.008 .009 .009
40490S001	MARYLAND POINT	VLBI 7217	1 3 4	1106629.373	-4882907.179	3938086.967	.009 .021 .018
40490S001				-.0151	.0018	-.0009	.0020 .0049 .0042
40491M002	FLAGSTAFF	TIE 7891		-1923976.736	-4850871.762	3658574.930	.022 .041 .035
40491M002				-.0135	-.0013	-.0084	.0051 .0102 .0082
40491M003	FLAGSTAFF	VLBI 7261	1 3	-1923992.669	-4850854.549	3658589.297	.022 .041 .035
40491M003				-.0135	-.0013	-.0084	.0051 .0100 .0082
40492M002	VERNAL	VLBI 7290	1 3	-1631473.292	-4589128.951	4106759.877	.019 .032 .030
40492M002				-.0129	-.0027	-.0082	.0042 .0080 .0072
40493M001	YUMA	VLBI 7894	1 3 8	-2196777.911	-4887337.077	3448425.220	.016 .025 .021
40493M001				-.0120	-.0003	-.0103	.0036 .0062 .0049
40498S001	VLA	VLBI 7619	1	-1601185.241	-5041977.571	3554875.989	.221 .488 .375
40503S002	SOCORRO ISLAND	TIE SOCA		-2160928.109	-5642987.471	2034688.125	.029 .023 .018
40503S003	SOCORRO ISLAND	DORIS SODA	10 11 12	-2160725.129	-5643017.731	2034836.635	.029 .022 .017
40504M001	MAZATLAN	SLR 7122	8 9	-1660089.353	-5619100.440	2511637.871	.008 .007 .009
40504M001				-.0114	-.0015	-.0070	.0018 .0016 .0020
40505M001	CABO SAN LUCAS	SLR 7882	8 9	-1997241.971	-5528041.185	2468355.372	.015 .019 .017
40505M001				-.0484	.0046	.0227	.0041 .0048 .0045

Table 7 (cont.)

ITRF94 CLASS C STATION COORDINATES AT EPOCH 1993.0

DONES NB.	SITE NAME	TECH.	ID.	*	X/Vx	Y/Vy	Z/Vz	Sigmat
					m/m/y			
40506M001	ENSENADA	SLR	7883	8 9	-2406126.927	-4898368.278	3290336.698	.014 .016 .017
40506M001					-.0264	.0268	.0185	.0039 .0038 .0046
40701S001	SANTIAGO DE CUBA	SLR	1953	8 9	1474548.412	-5811242.181	2168944.898	.095 .159 .108
41507S003	RIO GRANDE	DORIS	RIOA	10 11 12	1429849.862	-3495346.377	-5122723.133	.017 .015 .014
41507S003					.0039	-.0133	.0065	.0144 .0130 .0119
41507S004	RIO GRANDE	DORIS	RIOB	12	1429854.144	-3495342.272	-5122725.234	.017 .016 .015
41507S004					.0039	-.0133	.0065	.0144 .0130 .0122
41609S001	CACHOEIRA PAULISDORIS	CACB	10 11 12		4163493.910	-4163782.136	-2444561.635	.025 .030 .018
41706M001	CERRO TOLOLO	SLR	7401	8 9	1815517.344	-5213464.803	-3187999.216	.019 .020 .022
41706M001					.0227	.0054	.0190	.0042 .0045 .0050
41709S001	SEST	VLBI	7239	1 3 4	1838237.872	-5258699.240	-3100588.824	.022 .047 .030
41709S001					-.0076	-.0035	.0057	.0060 .0129 .0080
41901M001	BOGOTA	GPS	BOGT	5	1744399.138	-6116037.863	512731.575	.015 .022 .009
42004S001	SAN CRISTOBAL	DORIS	GALA	10 11 12	42716.495	-6377216.440	-99590.643	.040 .026 .020
42004S001					.0725	-.0187	-.0151	.0369 .0238 .0177
42501M002	BERMUDA	VLBI	7294	1	2307209.502	-4874215.842	3394317.936	.071 .067 .069
42501S004	BERMUDA	GPS	BRMU	5 7 9	2304703.652	-4874817.167	3395186.856	.008 .006 .007
43201S001	SAINTE CROIX	VLBI	7615	1 3 4	2607848.499	-5488069.720	1932739.478	.008 .007 .008
43201S001					.0097	.0087	.0142	.0034 .0028 .0038
50108S001	PARKES	VLBI	7202	1 4	-4554231.859	2816758.973	-3454036.034	.066 .041 .050
50116M003	HOBART	GPS	HOB1	5 7	-3950183.916	2522364.438	-4311588.339	.009 .009 .008
50116M004	HOBART	GPS	HOB2	5	-3950071.202	2522415.163	-4311638.513	.012 .012 .011
50116S002	HOBART	VLBI	7242	1 3 4	-3950236.583	2522347.526	-4311562.706	.008 .008 .007
50501S001	GUAM	DORIS	GUAB	12	-5075278.590	3565110.814	1483590.917	.146 .165 .103
50505M001	KWAJALEIN ATOLL	TIE	7092		-6143447.147	1364700.483	1034163.327	.028 .016 .020
50505M001					.0220	.0635	.0239	.0076 .0037 .0047
50505S003	KWAJALEIN ATOLL	VLBI	4968	1 3 4	-6143536.381	1363997.506	1034707.567	.028 .016 .020
50505S003					.0220	.0635	.0239	.0074 .0036 .0046
51001S001	PORT MORESBY	DORIS	MORA	10 11 12	-5288462.844	3410034.550	-1038802.739	.021 .024 .015
51001S001					-.0264	-.0212	.0391	.0201 .0225 .0126
66001M001	MC MURDO	GPS	MCMU	5 7	-1310695.202	310468.873	-6213363.436	.009 .009 .013
66001M003	MC MURDO	GPS	MCM4	5	-1311703.291	310815.167	-6213255.024	.015 .013 .030
66001S006	MC MURDO	GPS	MCM2	5 6 7	-1310621.775	310414.184	-6213400.339	.018 .021 .016

Table 7 (cont.)

ITRF94 CLASS C STATION COORDINATES AT EPOCH 1993.0

DOMES NB.	SITE NAME	TECH.	ID.	*	X/Vx	Y/Vy	Z/Vz	Sigmat
-----m/m/y-----								
66006S001	SYOWA	DORIS	SYOB	10 11 12	1766498.873	1460274.430	-5932211.730	.026 .024 .029
66007S001	ROTHERA	DORIS	ROTA	10 11 12	909378.104	-2264934.501	-5872956.918	.015 .016 .016
66007S001					.0118	.0000	-.0070	.0132 .0140 .0146
66010M001	DAVIS	GPS	DAV1	5 6	486854.528	2285099.338	-5914955.666	.012 .012 .015
66011M001	CASEY	GPS	CAS1	5	-901776.173	2409383.464	-5816748.379	.013 .012 .015
91401S001	AMSTERDAM	DORIS	AMSA	10 11 12	1086061.592	4927963.002	-3887828.292	.024 .018 .016
91401S001					.0072	-.0049	-.0072	.0219 .0156 .0136
91501S001	ILE DES PETRELS	DORIS	ADEA	10 11 12	-1941059.657	1628659.351	-5833613.521	.013 .013 .012
91501S001					.0102	.0010	-.0075	.0109 .0103 .0101
92201M003	PAMATAI	GPS	PAMA	5 6 7	-5245195.161	-3080472.375	-1912825.504	.014 .014 .009
92201M003					-.0374	.0463	.0339	.0085 .0125 .0048
92202M002	HUAHINE	SLR	7121	9	-5345865.484	-2958246.389	-1824623.660	.009 .011 .011
92202M002					-.0384	.0530	.0276	.0022 .0025 .0025
92202M004	HUAHINE	SLR	7123	8 9	-5345866.944	-2958247.195	-1824624.161	.009 .010 .010
92202M004					-.0383	.0531	.0275	.0022 .0024 .0025
92202S009	HUAHINE	DORIS	HUAA	10 11 12	-5345873.228	-2958239.231	-1824624.334	.009 .011 .010
92202S009					-.0386	.0530	.0275	.0024 .0026 .0026
92701S001	NOUMEA	DORIS	NOUA	10 11 12	-5739993.677	1387548.436	-2402085.448	.023 .036 .019
92701S001					-.0172	-.0346	.0451	.0196 .0289 .0153
92901S001	WALLIS	DORIS	WALA	10 11 12	-6195393.697	-413728.220	-1454075.409	.018 .027 .015
92901S001					-.0191	.0626	.0290	.0160 .0238 .0120
97401S001	LA REUNION	DORIS	REUA	10 11 12	3364093.844	4907945.405	-2293482.392	.023 .020 .015
97401S001					.0068	.0137	.0128	.0209 .0183 .0116

1: SSC(GSFC)	95 R 01	2: SSC(JPL)	95 R 01	3: SSC(NOAA)	95 R 01	4: SSC(USNO)	95 R 04
5: SSC(CODE)	95 P 02	6: SSC(EMR)	95 P 02	7: SSC(JPL)	95 P 02	8: SSC(CSR)	95 L 01
9: SSC(DUT)	95 C 02	10: SSC(CSR)	95 D 01	11: SSC(GRGS)	95 D 01	12: SSC(IGN)	95 D 02

Table 8

TRF94 CLASS Z STATION COORDINATES AT EPOCH 1993.0

DOMES NB. SITE NAME	TECH. ID.	*	X	Y	Z	Sigmat
			-----m-----			
33710S001 ARLIT	DORIS ARLA 11 12		5992632.064	775892.330	2035862.499	.040 .063 .028
33710S002 ARLIT	DORIS ARMA 11 12		5991269.366	773728.568	2040688.433	.040 .063 .028
40102S005 OTTAWA	DORIS OTTA 10 12		1107623.590	-4347253.911	4518738.203	.029 .025 .024
40105M001 PENTICTON	VLBI 7283 1 3 4		-2058840.431	-3621286.448	4814420.777	.007 .007 .007
40105M002 PENTICTON	GPS DRAO 5 6 7		-2059164.612	-3621108.396	4814432.413	.006 .006 .006
40118M001 WHITEHORSE	VLBI 7284 1 3		-2215213.650	-2209261.594	5540292.483	.051 .046 .095
40118M002 WHITEHORSE	VLBI 7284 1		-2215213.657	-2209261.607	5540292.494	.030 .027 .048
40405M006 GOLDSTONE	SLR 7265 9		-2356475.731	-4646618.293	3668424.746	.007 .007 .008
40440M001 WESTFORD	SLR 7091 8		1492453.677	-4457278.791	4296815.961	.007 .006 .007
40440S002 WESTFORD	VLBI 7205 1 3 4		1492404.812	-4457266.526	4296881.767	.006 .006 .006
40440S003 WESTFORD	VLBI 7209 1 3 4		1492206.670	-4458130.519	4296015.535	.006 .005 .006
40440S020 WESTFORD	GPS WES2 5 7		1492233.455	-4458089.466	4296045.977	.007 .006 .006
66008M001 O'HIGGINS	GPS OHIG 5		1525872.392	-2432481.273	-5676146.066	.010 .012 .017
66008S001 O'HIGGIN	VLBI 7245 1 3 4		1525832.944	-2432463.640	-5676174.512	.010 .012 .016

1: SSC(GSFC) 95 R 01	2: SSC(JPL) 95 R 01	3: SSC(NOAA) 95 R 01	4: SSC(USNO) 95 R 04
5: SSC(CODE) 95 P 02	6: SSC(EMR) 95 P 02	7: SSC(JPL) 95 P 02	8: SSC(CSR) 95 L 01
9: SSC(DUT) 95 C 02	10: SSC(CSR) 95 D 01	11: SSC(GRGS) 95 D 01	12: SSC(IGN) 95 D 02

Table T9

TRANSFORMATION PARAMETERS FROM ITRF94 TO INDIVIDUAL FRAMES
AT EPOCH 1993.0 (To be used with formula below)

SOLUTION	T1 cm	T2 cm	T3 cm	D (10**-8)	R1 .001"	R2 .001"	R3 .001"
VERY LONG BASELINE INTERFEROMETRY							
SSC(GSFC) 95 R 01	-.4 ± .5	2.3 .4	-.8 .5	-.02 .05	1.24 .27	.99 .26	-.19 .23
SSC(JPL) 95 R 01	-.6 ± .7	.0 .8	-.6 .7	-.42 .12	-.73 .45	-.32 .35	-.75 .44
SSC(NOAA) 95 R 01	.6 ± 1.0	1.2 .9	-.1 .6	-.12 .05	.45 .57	.03 .54	.07 .39
SSC(USNO) 95 R 04	-.8 ± .3	-1.3 .3	-1.0 .4	-.05 .05	-1.97 .23	-.06 .21	-1.45 .21
GLOBAL POSITIONING SYSTEM							
SSC(CODE) 95 P 02	-.1 ± .7	8.4 .7	-1.1 .4	-.02 .06	4.04 .44	-.41 .42	.76 .30
SSC(EMR) 95 P 02	-1.0 ± 1.5	-.4 1.3	5.0 5.6	.00 .07	-.69 .24	-.23 .23	-.67 .82
SSC(JPL) 95 P 02	.5 ± .3	2.7 .3	-4.0 .4	-.08 .05	-.62 .23	-.12 .20	-.64 .22
SATELLITE LASER RANGING							
SSC(CSR) 95 L 01	-.5	-.6	.7	-.12	-.84	.19	-.71
SSC(DUT) 95 C 02	-.4 ± .3	-.3 .3	1.3 .4	-.11 .04	-.95 .22	-.16 .20	-.53 .21
DORIS							
SSC(CSR) 95 D 01	-2.2 ± .8	-1.5 .8	1.6 1.0	.04 .09	-.50 .50	-.14 .49	-.47 3.18
SSC(GRGS) 95 D 01	2.4 ± .7	-.8 .6	2.5 1.0	.44 .10	-1.42 .39	-.36 .42	-2.44 .95
SSC(IGN) 95 D 02	-.6 ± .6	-.3 .6	.2 .6	3.05 .33	-.49 .82	.10 .42	-.54 1.04

$$\begin{vmatrix} XS \\ YS \\ ZS \end{vmatrix} = \begin{vmatrix} X \\ Y \\ Z \end{vmatrix} + \begin{vmatrix} T1 \\ T2 \\ T3 \end{vmatrix} + \begin{vmatrix} D & -R3 & R2 \\ R3 & D & -R1 \\ -R2 & R1 & D \end{vmatrix} \cdot \begin{vmatrix} X \\ Y \\ Z \end{vmatrix}$$

where X,Y,Z are the coordinates in the ITRS, and XS,YS,ZS are the coordinates in the individual system.

Table T9 (cont.)

RATES OF CHANGE OF THE TRANSFORMATION PARAMETERS
FROM ITRF94 TO INDIVIDUAL VELOCITY FIELDS
(time derivative of the formula p. T-83)

SOLUTION	$\dot{T1}$	$\dot{T2}$	$\dot{T3}$	$\dot{D}$	$\dot{R1}$	$\dot{R2}$	$\dot{R3}$
	-----cm/y-----			(10**-8)/Y	-----".001"/y-----		

VERY LONG BASELINE INTERFEROMETRY							
SSC(GSFC) 95 R 01	-.20	.30	-.02	.032	.020	.036	-.040
	± .14	.11	.12	.014	.068	.069	.055
SSC(JPL) 95 R 01	-.20	.18	.20	.012	-.012	-.210	.038
	± .23	.26	.23	.034	.139	.106	.135
SSC(NOAA) 95 R 01	-.04	.14	.06	.018	.004	.000	-.014
	± .27	.24	.14	.014	.157	.147	.102
SSC(USNO) 95 R 04	.40	.02	.00	.024	-.132	-.316	.082
	± .10	.10	.10	.014	.055	.052	.047
GLOBAL POSITIONING SYSTEM							
SSC(CODE) 95 P 02	-.40	.26	.16	-.010	-.116	-.218	-.268
	± .21	.21	.14	.018	.141	.123	.134
SSC(EMR) 95 P 02	.48	-.58	1.64	.156	-.048	-.320	.002
	± 1.30	1.19	1.87	.284	.375	.317	.538
SSC(JPL) 95 P 02	-.84	-1.46	1.12	-.006	-.076	-.182	.052
	± .68	.72	1.32	.034	.339	.338	.337
SATELLITE LASER RANGING							
SSC(CSR) 95 L 01	± .10	-.12	.14	-.054	-.138	-.222	.032
	.00	.00	.00	.000	.000	.000	.000
SSC(DUT) 95 C 02	-.06	-.06	.20	-.024	.002	.048	.044
	± .07	.07	.09	.009	.046	.042	.044
DORIS							
SSC(CSR) 95 D 01	.00	.76	-.30	-.008	.150	.090	.320
	± .45	.43	.36	.057	.162	.160	.669
SSC(GRGS) 95 D 01	-.16	1.00	1.18	-.080	-.106	.040	-.862
	± .54	.51	.73	.077	.254	.290	.637
SSC(IGN) 95 D 02	-.26	-.18	.58	.064	-.502	.236	-1.900
	± .59	.57	1.05	.182	.360	.558	.536

Table T10

**TRANSFORMATION PARAMETERS FROM ITRF94 TO CLASS II
INDIVIDUAL SOLUTIONS**

(to be used with the formula on p. T-83)

SOLUTION	T1 cm	T2 cm	T3 cm	D (10**-8)	R1 .001"	R2 .001"	R3 .001"	EPOCH
VERY LONG BASELINE INTERFEROMETRY								
SSC(GAOUA)95 R 01	-4.7 ± .3	.6 .3	.5 .3	-.07 .03	.03 .11	-.05 .11	2.15 .07	93.0
SSC(SHA) 95 R 01	-.4 ± 1.2	4.0 1.4	1.9 1.2	-.18 .17	-.46 .60	-.64 .45	-1.95 .39	93.0
LUNAR LASER RANGING								
SSC(FSG) 95 M 01	1.8 ± 9.1	-6.6 10.6	13.4 11.6	-1.20 .73	.35 5.97	-1.09 4.40	-39.43 1.72	91.94
SSC(JPL) 95 M 02	-3.2 ± 3.3	1.4 3.7	-5.1 3.5	-2.55 .43	2.07 1.74	1.54 1.27	-2.67 .94	91.0
SSC(SHA) 95 M 01	-11.9 ± 4.1	2.9 4.8	10.0 4.3	-3.02 .53	5.08 2.30	2.66 1.56	.19 1.18	93.0
SSC(UTXMO)95 M 01	.4 ± 9.3	-11.6 12.9	-1.8 7.7	-3.03 1.65	-8.43 2.99	-.59 2.21	48.67 5.94	84.0
GLOBAL POSITIONING SYSTEM								
SSC(ESOC) 95 P 01	-.4 ± .5	-8.3 .5	-17.7 .7	.20 .08	-1.31 .23	-.20 .22	-3.29 .23	94.0
SSC(GFZ) 95 P 02	-.9 ± .3	.1 .3	-1.8 .3	.23 .05	-.92 .13	-.54 .13	-.66 .13	94.0
SSC(GFZ) 95 P 03	-1.0 ± .4	.0 .3	-1.9 .3	.23 .05	-.95 .13	-.58 .13	-.62 .13	94.0
SATELLITE LASER RANGING								
SSC(CLG) 95 L 02	.3 ± 2.8	1.6 2.7	9.0 2.7	-.41 .40	.19 1.10	-5.80 1.12	8.56 .99	84.0
SSC(GAOUA)95 L 02	-1.2 ± .3	-1.3 .3	1.4 .3	.06 .05	-.69 .13	.87 .13	.05 .13	93.0
SSC(GFZ) 95 L 01	-.3 ± .5	-.3 .5	-.1 .7	-.18 .08	-.36 .26	-.05 .26	.04 .19	88.0
SSC(GSFC) 95 L 01	2.8 ± .5	-3.3 .5	-3.2 .5	-.05 .07	-.80 .21	1.76 .22	-1.47 .18	88.0
SSC(IARAS)94 L 01	-1.6 ± 1.3	-.2 1.4	-2.1 1.4	.57 .19	-.33 .68	.60 .46	.21 .55	94.0

Table T11.

CONSISTENCY OF EOP SERIES WITH REFERENCE FRAMES

Table T11a. Consistency of series of EOP and reference frames at 1993.0

The data span of the EOP series is given

Unit : 0.001".

1) SERIES USED TO DERIVE EOP(IERS) C 01.

SERIES			1:	R2	R1	A3-R3	A2/sinε	-A1
			2:	Δx	Δy	f.ΔUT1	Δdψ	Δdε
			3:	C(x)	C(y)	C(UT1)	C(dy)	C(dy)
EOP(GSFC) 95 R 01 1984-94		1	0.99 ±0.26	1.24 ±0.27	0.20 ±0.23	-0.86 ±0.05	-0.15 ±0.02	
		2	1.10 ±0.01	1.96 ±0.01	-0.43 ±0.01	-0.99 ±0.01	-0.16 ±0.00	
		3	0.11 ±0.26	0.72 ±0.27	-0.63 ±0.23	-0.13 ±0.05	-0.01 ±0.02	
EOP(NOAA) 95 R 01 1984-94		1	0.03 ±0.54	0.45 ±0.57	-0.12 ±0.39	-0.36 ±0.07	-0.02 ±0.03	
		2	0.17 ±0.02	1.11 ±0.01	-0.71 ±0.01	-0.25 ±0.01	-0.01 ±0.00	
		3	0.14 ±0.54	0.66 ±0.57	-0.59 ±0.39	0.11 ±0.07	0.01 ±0.03	
EOP(CSR) 95 L 01 1984-94		1	0.19 ±0.11	-0.84 ±0.11				
		2	-0.03 ±0.01	0.00 ±0.01				
		3	-0.22 ±0.11	0.83 ±0.11				

2) OTHER SERIES

EOP(GSFC) 95 R 02 1984-94		1				0.20 ±0.23		
		2				-0.41 ±0.04		
		3				-0.61 ±0.23		
EOP(GSFC) 95 R 03 1989-93		1				0.20 ±0.23		
		2				-0.16 ±0.20		
		3				-0.35 ±0.31		
EOP(JPL) 95 R 01 1984-94		1				0.78 ±0.44		
		2				-0.21 ±0.06		
		3				-0.99 ±0.44		
EOP(NOAA) 95 R 02 1984-94		1				-0.12 ±0.39		
		2				-0.76 ±0.05		
		3				-0.64 ±0.39		
EOP(USNO) 95 R 04 1984-94		1	-0.06 ±0.21	-1.97 ±0.23	1.25 ±0.21	0.28 ±0.04	-0.25 ±0.01	
		2	0.08 ±0.02	-1.19 ±0.02	0.63 ±0.02	0.12 ±0.02	-0.29 ±0.01	
		3	0.14 ±0.21	0.78 ±0.23	-0.63 ±0.21	-0.16 ±0.04	-0.04 ±0.02	
EOP(USNO) 95 R 05 1993-94		1				1.25 ±0.21		
		2				0.87 ±0.76		
		3				-0.38 ±0.79		

Table T11a. (cont.) Consistency of series of EOP and reference frames at 1993.0

Unit : 0.001".

SERIES	1:		R2	R1	A3-R3	A2/sinε	-A1
	2:		Δx	Δy	f.ΔUT1	Δdψ	Δde
	3:		C(x)	C(y)	C(UT1)	C(dy)	C(dy)
EOP(CODE) 95 P 02 1992-94	1		-0.41 ±0.42	4.04 ±0.44			
	2		-0.54 ±0.11	4.46 ±0.15			
	3		-0.13 ±0.43	0.42 ±0.47			
EOP(EMR) 95 P 02 1994	1		-0.23 ±0.23	-0.69 ±0.24			
	2		-0.12 ±0.18	-0.87 ±0.22			
	3		0.11 ±0.29	-0.18 ±0.33			
EOP(JPL) 95 P 02 1993-94	1		-0.12 ±0.20	-0.62 ±0.23			
	2		0.15 ±0.04	0.19 ±0.04			
	3		0.27 ±0.20	0.81 ±0.23			
EOP(DUT) 95 L 02 1984-93	1		-0.16 ±0.20	-0.95 ±0.22			
	2		-0.54 ±0.07	0.06 ±0.05			
	3		-0.38 ±0.21	1.01 ±0.22			

Note on the lines contents

- 1- R1, R2, R3 : terrestrial frames rotation angles wrt SSC(IERS) C 01 (ITRF94)
A1, A2, A3 : celestial frames rotation angles wrt RSC(IERS) C 01 (ICRF94)
- 2- Biases at 1993.0 derived from the comparison of the series of EOP with EOP(IERS) C 01 over the listed data span.
- 3- Closure error : difference of line 2 with line 1.

Table T11b. Consistency of rates of change in series of EOP and in terrestrial reference frames

The data span of the EOP series is given

Unit : 0.001"/a.

1) SERIES USED TO DERIVE EOP(IERS) C 01

SERIES	1:		R'2	R'1	-R'3
	2:		Δx'	Δy'	f.ΔUT1'
	3:		C(x)	C(y)	C(UT1)
EOP(GSFC) 95 R 01 1984-94	1		0.04 ±0.07	0.02 ±0.07	0.04 ±0.05
	2		0.18 ±0.00	0.07 ±0.00	0.10 ±0.00
	3		0.15 ±0.07	0.05 ±0.07	0.06 ±0.06
EOP(NOAA) 95 R 01 1984-94	1		0.00 ±0.15	0.00 ±0.16	0.01 ±0.10
	2		0.12 ±0.00	-0.04 ±0.00	0.06 ±0.00
	3		0.12 ±0.15	-0.04 ±0.16	0.05 ±0.10
EOP(CSR) 95 L 01 1984-94	1		-0.22 ±0.01	-0.14 ±0.01	
	2		-0.13 ±0.00	0.05 ±0.00	
	3		0.09 ±0.01	0.19 ±0.01	

Table T11b. (cont.) Consistency of rates of change in series of EOP and in terrestrial reference frames

2) OTHER SERIES

Unit : 0.001"/a.

SERIES	1:	R'2	R'1	-R'3
	2:	Δx	Δy	$f \cdot \Delta UT1$
	3:	C(x)	C(y)	C(UT1)
EOP(GSFC) 95 R 02 1984-94	1			0.04 ±0.05
	2			0.13 ±0.01
	3			0.09 ±0.06
EOP(GSFC) 95 R 03 1989-93	1			0.04 ±0.05
	2			0.25 ±0.10
	3			0.21 ±0.12
EOP(JPL) 95 R 01 1984-94	1			-0.04 ±0.14
	2			-0.04 ±0.03
	3			-0.01 ±0.14
EOP(NOAA) 95 R 02 1984-94	1			0.01 ±0.10
	2			0.06 ±0.01
	3			0.04 ±0.10
EOP(USNO) 95 R 04 1984-94	1	-0.32 ±0.05	-0.13 ±0.05	-0.08 ±0.05
	2	-0.19 ±0.01	-0.10 ±0.00	-0.05 ±0.01
	3	0.13 ±0.05	0.03 ±0.06	0.03 ±0.05
EOP(USNO) 95 R 05 1993-94	1			-0.08 ±0.05
	2			-0.36 ±0.51
	3			-0.28 ±0.52
EOP(CODE) 95 P 02 1992-94	1	-0.22 ±0.12	-0.12 ±0.14	
	2	0.05 ±0.09	0.16 ±0.12	
	3	0.27 ±0.15	0.27 ±0.18	
EOP(EMR) 95 P 02 1994	1	-0.32 ±0.32	-0.05 ±0.38	
	2	-0.03 ±0.12	0.46 ±0.15	
	3	0.29 ±0.34	0.51 ±0.40	
EOP(JPL) 95 P 02 1993-94	1	-0.18 ±0.34	-0.08 ±0.34	
	2	-0.04 ±0.04	0.23 ±0.04	
	3	0.14 ±0.34	0.31 ±0.34	
EOP(DUT) 95 L 02 1984-93	1	0.05 ±0.04	0.00 ±0.05	
	2	0.07 ±0.02	0.26 ±0.01	
	3	0.02 ±0.05	0.25 ±0.05	

Note on the lines contents

1 - Terrestrial frames rotation rates wrt the SSC(IERS) 95C 01 (ITRF94) velocity field.

2 - Rates of the series of EOP wrt EOP(IERS) C 01 over the data span listed.

3 - Closure error: difference of line 2 with line 1.

Table T11c. Consistency of series of EOP and reference frames
The data span and the epoch are given

Unit : 0.001".

SERIES	1:		R2	R1	A3-R3	A2/sinε	-A1
	2:		Δx	Δy	f.ΔUT1	Δdψ	Δdε
	3:		C(x)	C(y)	C(UT1)	C(dy)	C(dy)
EOP(GAOUA)	95 R	01	1	-0.05 ±0.11	0.03 ±0.11	-2.15 ±0.07	
			2	0.46 ±0.03	0.57 ±0.03	-0.62 ±0.04	
	1991-94						
	1993.00	3	1	0.51 ±0.11	0.54 ±0.11	1.53 ±0.08	
EOP(SHA)	95 R	01	1	-0.64 ±0.45	-0.46 ±0.60	2.67 ±0.39	-0.11 ±0.15
			2	-0.19 ±0.09	0.08 ±0.06	-0.16 ±0.10	0.22 ±0.05
	1993-94						-0.26 ±0.06
	1993.00	3	1	0.45 ±0.46	0.54 ±0.60	-2.83 ±0.41	0.33 ±0.16
EOP(FSG)	95 M	01	1		40.15 ±1.72		
			2		-2.77 ±0.16		
	1984-94						
	1991.94	3	1		-42.93 ±1.73		
EOP(JPL)	95 M	02	1		3.39 ±0.94		
			2		-2.73 ±0.14		
	1984-94						
	1991.00	3	1		-6.12 ±0.95		
EOP(SHA)	95 M	01	1		0.53 ±1.18		
			2		-2.51 ±0.33		
	1988-94						
	1993.00	3	1		-3.05 ±1.23		
EOP(UTXMO)	95 M	01	1		-47.95 ±5.94		
			2		-2.25 ±0.25		
	1984-94						
	1984.00	3	1		45.69 ±5.95		
EOP(GFZ)	95 P	02	1	-0.54 ±0.13	-0.92 ±0.13		
			2	-0.28 ±0.05	0.07 ±0.05		
	1993-94						
	1994.00	3	1	0.26 ±0.14	0.99 ±0.14		

Table T11c. (cont.) Consistency of series of EOP and reference frames

Unit : 0.001".

SERIES	1:		R2	R1	A3-R3	A2/sin ϵ	-A1
	2:		Δx	Δy	$f \cdot \Delta UT1$	$\Delta d\psi$	$\Delta d\epsilon$
	3:		C(x)	C(y)	C(UT1)	C(dy)	C(dy)
EOP(CLG)	95 L 02	1	-5.80 $\pm$ 1.12	0.19 $\pm$ 1.10			
		2	-5.06 $\pm$ 0.15	4.78 $\pm$ 0.12			
		1984-94					
		1984.00 3	0.74 $\pm$ 1.13	4.59 $\pm$ 1.11			
EOP(GAOUA)	95 L 02	1	0.87 $\pm$ 0.13	-0.69 $\pm$ 0.13			
		2	0.00 $\pm$ 0.05	0.12 $\pm$ 0.05			
		1984-94					
		1993.00 3	-0.87 $\pm$ 0.14	0.81 $\pm$ 0.14			
EOP(GFZ)	95 L 01	1	-0.05 $\pm$ 0.26	-0.36 $\pm$ 0.26			
		2	0.83 $\pm$ 0.09	1.69 $\pm$ 0.08			
		1992-94					
		1988.00 3	0.88 $\pm$ 0.27	2.05 $\pm$ 0.27			
EOP(GFZ)	95 L 02	1	-0.05 $\pm$ 0.26	-0.36 $\pm$ 0.26			
		2	0.88 $\pm$ 0.09	1.72 $\pm$ 0.06			
		1992-94					
		1988.00 3	0.94 $\pm$ 0.27	2.08 $\pm$ 0.27			
EOP(GSFC)	95 L 01	1	1.76 $\pm$ 0.22	-0.80 $\pm$ 0.21			
		2	1.35 $\pm$ 0.03	0.95 $\pm$ 0.05			
		1984-94					
		1988.00 3	-0.41 $\pm$ 0.22	1.75 $\pm$ 0.22			
EOP(IARAS)	94 L 01	1	0.60 $\pm$ 0.46	-0.33 $\pm$ 0.68			
		2	0.90 $\pm$ 0.63	0.36 $\pm$ 0.47			
		1993-94					
		1994.00 3	0.30 $\pm$ 0.78	0.69 $\pm$ 0.82			

Note on the lines contents

- 1- R1, R2, R3 : terrestrial frames rotation angles wrt SSC(IERS) C 01 (ITRF94)
A1, A2, A3 : celestial frames rotation angles wrt RSC(IERS) C 01 (ICRF94)
- 2- Biases at the epoch given on the fourth line, derived from the comparison of the series of EOP with EOP(IERS) C 01 over the data span listed.
- 3- Closure error : difference of line 2 with line 1.

Table T12.

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES	CDP	*		RX	RY	RZ	NX	NY	NZ	RE	RN	RU
NUM.	NUM.	(see p. t-130)		m	m	m				m	m	m

10002 GRASSE												
M003	7605	1 RG GSFC		-.005	.003	-.010	-.2	.1	-.3	.003	-.004	-.011
M003	7605	1 PB CODE		-.007	-.005	-.009	-.4	-.7	-.6	-.004	-.002	-.012
M003	7605	1 GA		-.002	-.001	.002	-.5	-.2	.7	-.002	.002	.000
S001	7835	2 LC CSR		-.015	-.005	-.019	-2.0	-.6	-2.3	-.003	-.003	-.024
S001	7835	2 CU DUT		.022	.004	.026	3.6	.6	3.3	.001	.004	.034
S001	7835	2 GA		.000	.000	.000	.2	.1	-.3	.000	.000	.000

				.011			1.6			.003		.018
10003 TOULOUSE												
M003	7608	1 RG GSFC		-.012	.002	-.005	-.2	.1	-.1	.002	.004	-.013
M003	7608	1 RN NOAA		-.008	.003	.002	-.1	.2	.0	.003	.007	-.005
M003	7608	1 RO USNO		.044	.009	.055	.5	1.2	.7	.008	.009	.070
M003	7608	1 GA		.000	.000	.000	.1	-.2	-.1	.000	.000	.000
S001	TLSA	2 DC CSR		-.011	-.015	.010	-.5	-.2	.5	-.015	.015	-.001
S001	TLSA	2 DR GRGS		.029	-.102	-.018	1.7	-3.2	-1.0	-.103	-.031	.007
S001	TLSA	2 DH IGN		-.009	-.016	.001	-.4	-.5	.1	-.016	.008	-.006
S001	TLSA	2 GA		-.001	.001	.001	-.4	.4	.4	.000	.000	-.002

				.027			1.0			.028		.025
10004 BREST												
M002	7604	1 RG GSFC		-.001	-.001	.001	.0	.0	.0	-.001	.002	.000
M002	7604	1 GA		.000	.000	.000	.0	.0	.0	.000	.000	.000

				.001			.0			.001		.000
10101 COPENHAGUE												
S001	BUDD	1 PB CODE		-.001	-.006	-.002	-.1	-.5	-.1	-.006	.001	-.004

				.004			.3			.004		.004
10112 HOVVIG												
S001	HVIG	1 PB CODE		-.002	-.006	-.003	-.1	-.5	-.1	-.006	.000	-.004

				.004			.3			.004		.004
10202 REYKJAVIK												
S001	REYA	1 DC CSR		-.001	-.034	-.021	.0	-.8	-1.0	-.032	-.020	-.013
S001	REYA	1 DR GRGS		.016	.022	.003	.8	1.1	.2	.027	-.004	.006
S001	REYA	1 DH IGN		.000	-.009	.014	.0	-.3	.5	-.009	.003	.014

				.017			.8			.019		.012

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES CDP				RX	RY	RZ	NX	NY	NZ	RE	RN	RU
NUM.	NUM.	*		m	m	m				m	m	m

10204 HOFN												
M001	7635	1	RG GSFC	.007	-.004	.016	.2	-.3	.3	-.002	.001	.018
M001	7635	1	RN NOAA	.003	-.002	.005	.1	-.1	.1	-.001	-.001	.006
M001	7635	1	RO USNO	-.046	.013	-.096	-.8	.8	-.7	.000	.001	-.107
				.036			.5			.001		.063

10302 TROMSO												
M002	7602	1	RG GSFC	.002	-.025	-.001	.1	-3.0	.0	-.024	.006	-.003
M002	7602	1	RN NOAA	.008	-.022	.015	.3	-1.4	.3	-.023	.005	.014
M002	7602	1	RO USNO	.029	-.014	.079	1.2	-1.5	1.2	-.023	.007	.082
M002	7602	1	CU DUT	-.004	.029	.011	-.2	1.8	.5	.029	-.001	.012
M002	7602	1	GA	.000	.003	.000	.0	2.5	-.3	.000	.000	.000
M003	TROM	2	PB CODE	-.004	.002	-.007	-.8	.3	-1.4	.003	.001	-.008
M003	TROM	2	PE EMR	.003	.001	.060	.2	.1	1.2	.000	.018	.057
M003	TROM	2	PJ JPL	-.001	.009	.001	-.3	2.2	.1	.009	-.001	.001
M003	TROM	2	GA	.000	-.020	.003	-.1	-6.8	1.0	-.015	.005	.013
				.023			2.0			.013		.034

10317 NY-ALESUND												
M001	NYAL	1	PB CODE	.001	.001	-.007	.1	.2	-.9	.001	-.002	-.007
M001	NYAL	1	PJ JPL	-.002	.005	.001	-.4	1.2	.1	.005	.001	.001
M001	NYAL	1	CU DUT	-.002	.005	.030	-.2	.4	1.9	.005	.007	.029
M001	NYAL	1	GA	.000	.000	.000	.0	.3	-.2	.000	.000	.000
S002	SPIA	2	DC CSR	-.063	-.025	.154	-.6	-.3	1.0	-.012	.095	.138
S002	SPIA	2	DR GRGS	.003	.023	-.018	.3	2.0	-1.6	.022	-.011	-.016
S002	SPIA	2	DH IGN	.063	-.009	-.064	.5	-.1	-.3	-.021	-.071	-.051
S002	SPIA	2	GA	.000	-.004	.002	.0	-1.0	.6	-.001	.002	-.004
S003	7331	3	RG GSFC	-.011	.000	.004	-.5	.0	.4	.002	.011	.001
S003	7331	3	RN NOAA	-.003	.003	.006	-.2	.2	.4	.004	.003	.005
S003	7331	3	RO USNO	.005	-.003	-.008	.7	-1.0	-.4	-.004	-.006	-.007
				.034			.9			.027		.046

10329 TRYSIL												
M001	7607	1	RG GSFC	.001	.000	.003	.1	-.1	.2	-.001	.001	.004
M001	7607	1	RN NOAA	.001	.001	.004	.1	.0	.1	.000	.001	.004
M001	7607	1	RO USNO	-.014	-.001	-.017	-.7	-.3	-.4	.002	.004	-.021
				.008			.3			.002		.013

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

10402 ONSALA

M004	ONSA	1	PB	CODE	-.003	-.006	-.006	-.6	-1.4	-1.0	-.006	.000	-.007
M004	ONSA	1	PJ	JPL	-.002	.004	.000	-.5	1.0	.1	.004	.001	.000
M004	ONSA	1	GA		.003	.007	.001	1.1	2.3	.3	.007	.000	-.002
M006	7211	2	RG	GSFC	-.001	-.001	.002	-.1	-.2	.2	-.001	.002	.002
M006	7211	2	GA		.001	-.001	.000	.3	-.4	.0	.000	.001	.001
S001	7211	3	RG	GSFC	.002	.000	.006	.1	-.1	.3	-.001	.002	.006
S002	7213	4	RG	GSFC	.002	.000	.006	.5	-.1	1.4	-.001	.002	.006
S002	7213	4	RN	NOAA	-.006	.000	-.005	-.8	.0	-.5	.001	.003	-.007
S002	7213	4	RO	USNO	.000	.001	.002	-.1	.3	.7	.001	.001	.002
S002	7213	4	CU	DUT	-.006	-.007	.000	-.2	-.4	.0	-.005	.006	-.004
S002	7213	4	GA		-.001	-.001	.000	-.5	-.7	-.1	.000	.000	.000
					.003			.8			.003		.004

10403 KIRUNA

M002	KIRU	1	PJ	JPL	-.002	.003	-.004	-.2	.4	-.2	.004	-.001	-.003
M002	KIRU	1	CU	DUT	-.003	.005	.003	-.2	.4	.2	.006	.002	.003
					.003			.3			.004		.003

10503 METSAHOVI

M002	7601	1	RG	GSFC	.008	-.004	.000	.2	-.1	.0	-.007	-.005	.003
M002	7601	1	CU	DUT	.005	.005	.040	.2	.2	1.0	.002	.014	.038
M002	7601	1	GA		.000	.000	.000	.0	.0	.0	.000	.000	.000
S001	7805	2	LC	CSR	.094	-.356	.248	.3	-2.0	.6	-.363	.177	.184
S001	7805	2	CU	DUT	.487	-.692	.873	3.0	-4.8	8.1	-.831	.299	.835
S001	7805	2	GA		.000	.001	-.001	-.1	.2	-.3	.001	-.001	.001
S011	METS	3	PB	CODE	-.005	-.001	-.009	-1.0	-.3	-1.5	.001	.000	-.010
S011	METS	3	PJ	JPL	-.001	.004	.000	-.3	1.0	.0	.005	.000	.001
S011	METS	3	GA		.004	.001	.004	1.0	.2	.9	-.002	.005	.002
S013	META	4	DC	CSR	-.011	-.030	.034	-.3	-.6	1.6	-.023	.037	.018
S013	META	4	DR	GRGS	.071	.008	.007	2.9	.3	.3	-.022	-.056	.040
S013	META	4	DH	IGN	.023	.011	.035	.7	.4	1.3	.001	-.005	.043
S013	META	4	GA		-.002	-.001	-.001	-.7	-.3	-.4	.002	-.001	.000
					.208			2.1			.191		.238

11001 GRAZ

M002	GRAZ	1	PB	CODE	-.003	-.006	-.003	-.6	-1.4	-.4	-.005	.001	-.005
M002	GRAZ	1	PJ	JPL	.010	.006	.013	1.2	.9	1.4	.003	.000	.017
M002	GRAZ	1	GA		.001	.001	.001	.2	.2	.4	-.001	.001	.000
S002	7839	2	LC	CSR	.010	-.001	.004	1.3	-.1	.5	-.003	-.004	.009
S002	7839	2	CU	DUT	-.006	-.003	-.005	-1.1	-.5	-.9	-.001	.001	-.009
S002	7839	2	GA		.000	.000	.000	-.1	-.1	-.1	.000	.000	.000
					.006			.9			.002		.009

11005 PFANDER

M002	PFAN	1	PB	CODE	-.001	-.006	-.001	.0	-.5	.0	-.006	.001	-.002
					.004			.4			.004		.002

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES CDP NUM. NUM. *	RX m	RY m	RZ m	NX	NY	NZ	RE m	RN m	RU m

12108 LJUBLJANA									
M001 LJUB 1 PB CODE	-.002	-.006	-.002	-.2	-1.2	-.2	-.005	.001	-.004
		.004			.8			.004	.004
12204 JOZEFOSLAW									
M001 JOZE 1 PB CODE	-.002	-.005	-.002	-.4	-.8	-.3	-.004	.002	-.004
M001 JOZE 1 CU DUT	-.003	.003	.000	.0	.1	.0	.004	.001	-.001
		.003			.4			.003	.003
12205 BOROWIEC									
M002 BOR1 1 PB CODE	.005	-.006	.007	.4	-.3	.7	-.007	.002	.008
M002 BOR1 1 GA	-.001	.000	-.001	-.3	-.1	-.4	-.001	-.001	.000
S001 7811 2 LC CSR	.026	.002	.001	.2	.0	.0	-.006	-.019	.017
S001 7811 2 CU DUT	-.018	-.004	-.021	-1.3	-.3	-1.6	.001	.002	-.027
S001 7811 2 GA	.000	.000	.000	.1	.0	.1	.000	.000	.000
		.010			.7			.007	.015
12209 LAMKOWKO									
M001 LAMA 1 PB CODE	-.001	-.007	-.001	-.1	-1.5	-.1	-.006	.002	-.003
M001 LAMA 1 CU DUT	-.018	.003	.010	-1.3	.4	.6	.009	.018	-.002
		.009			1.0			.011	.003
12302 RIGA									
M001 7560 1 LC CSR	.027	-.004	.005	.2	-.1	.0	-.015	-.017	.017
M001 7560 1 CU DUT	-.009	.004	.000	-.2	.1	.0	.007	.006	-.004
S002 1884 2 LC CSR	-.073	-.032	-.086	-.7	-.5	-.6	.000	.019	-.115
S002 1884 2 CU DUT	.001	.000	.000	.1	.0	.0	.000	-.001	.001
		.035			.4			.011	.058
12309 MENDELEEVO									
M001 MDVO 1 CU DUT	.000	.000	.000	.0	.0	.0	.000	.000	.000
		.000			.0			.000	.000
12329 SAKHALINS									
S001 SAKA 1 DC CSR	.010	-.024	-.021	.2	-.4	-1.0	.013	.002	-.031
S001 SAKA 1 DR GRGS	-.043	.058	.052	-1.6	1.8	2.4	-.021	-.015	.085
S001 SAKA 1 DH IGN	.021	-.015	.003	.8	-.5	.1	-.001	.021	-.016
		.033			1.4			.015	.053

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES CDP				RX	RY	RZ	NX	NY	NZ	RE	RN	RU	
NUM.	NUM.	*		m	m	m				m	m	m	

12334 KITAB													
M001	KIT3	1	PB CODE	.002	.004	.012	.2	.4	1.0	.000	.006	.011	
M001	KIT3	1	PE EMR	-.154	.148	.195	-.4	.3	.4	.200	.103	.181	
M001	KIT3	1	CU DUT	-.027	-.026	-.009	-1.6	-1.6	-.4	.014	.015	-.032	
S004	KITA	2	DC CSR	-.002	-.023	.006	.0	-.6	.3	-.007	.019	-.013	
S004	KITA	2	DR GRGS	.015	.027	.002	.4	1.0	.1	-.004	-.018	.025	
S004	KITA	2	DH IGN	-.002	-.013	.009	.0	-.4	.3	-.004	.015	-.005	
				-----			-----			-----			
				.070			.8			.066			.076
12337 SIMEIS													
M001	7561	1	LC CSR	.001	.000	-.002	.0	.0	.0	-.001	-.002	-.001	
M001	7561	1	CU DUT	-.022	-.002	.041	-.1	.0	.2	.011	.043	.015	
S003	1873	2	LC CSR	.048	.063	.013	.2	.3	.0	.025	-.043	.063	
S003	1873	2	CU DUT	-.070	-.036	.050	-.3	-.2	.3	.009	.090	-.021	
S006	1893	3	LC CSR	-.007	.037	.039	.0	.2	.1	.035	.018	.038	
S008	7332	4	RG GSFC	-.005	-.006	-.002	-.3	-.4	-.1	-.003	.004	-.007	
S008	7332	4	RN NOAA	-.002	.003	.010	-.1	.2	.5	.004	.007	.007	
S008	7332	4	RO USNO	.033	.018	.033	1.4	1.2	1.2	-.003	-.003	.050	
				-----			-----			-----			
				.031			.6			.030			.033
12338 BADARY													
S001	BADA	1	DC CSR	-.001	-.010	-.001	.0	-.4	-.1	.003	.007	-.007	
S001	BADA	1	DR GRGS	.035	.006	-.015	1.0	.3	-.6	-.036	-.008	-.012	
S001	BADA	1	DH IGN	-.001	-.004	.018	.0	-.1	.7	.002	.014	.012	
				-----			-----			-----			
				.015			.6			.016			.011
12342 USSURIISK													
S001	7247	1	RG GSFC	.000	-.002	-.003	.0	.0	.0	.001	-.001	-.003	
				-----			-----			-----			
				.002			.0			.001			.003
12602 DIONYSOS													
M002	7515	1	LC CSR	.008	.004	.018	.1	.1	.3	.000	.009	.018	
M002	7515	1	CU DUT	-.006	-.009	-.003	-.6	-.8	-.2	-.006	.003	-.008	
M002	7515	1	GA	.000	.000	.000	.1	.1	.0	.000	.000	.000	
S011	DIOA	2	DC CSR	.018	.070	.025	.2	.5	.2	.057	-.008	.051	
S011	DIOA	2	DR GRGS	.015	.065	.003	.3	1.3	.1	.053	-.022	.033	
S011	DIOA	2	DH IGN	-.033	.044	-.044	-.3	.3	-.4	.054	-.027	-.037	
S011	DIOA	2	GA	-.001	-.001	.000	-.2	-.2	.0	.001	.000	-.001	
				-----			-----			-----			
				.027			.5			.027			.028

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES CDP				RX	RY	RZ	NX	NY	NZ	RE	RN	RU
NUM.	NUM.	*		m	m	m				m	m	m

12612 ASKITES												
M001	7510	1	LC CSR	.032	-.015	.045	.5	-.4	.7	-.027	.019	.047
M001	7510	1	CU DUT	.000	.003	-.002	.0	.3	-.2	.003	-.003	.000
				-----			-----			-----		
				.023			.5			.017		.033

12613 ROUMELLI												
M001	7517	1	LC CSR	.009	.013	.012	.2	.5	.3	.008	.002	.018
M001	7517	1	CU DUT	.001	-.002	-.001	.1	-.2	-.1	-.002	-.001	-.001
				-----			-----			-----		
				.008			.3			.004		.013

12614 KARITSA												
M001	7520	1	LC CSR	-.034	.046	.001	-.3	.7	.0	.055	.011	-.011
M001	7520	1	CU DUT	.001	-.001	.000	.1	-.1	.0	-.001	-.001	.000
				-----			-----			-----		
				.023			.3			.028		.008

12615 KATAVIA												
M001	7512	1	LC CSR	.017	.015	.003	.4	.5	.1	.006	-.011	.020
M001	7512	1	CU DUT	-.001	-.002	.002	-.1	-.2	.1	-.002	.002	.000
				-----			-----			-----		
				.009			.3			.006		.014

12616 XKRISOKALARIA												
M001	7525	1	LC CSR	-.003	-.001	-.008	-.1	-.1	-.3	.000	-.004	-.008
M001	7525	1	CU DUT	.002	-.002	.001	.2	-.2	.1	-.003	.000	.002
				-----			-----			-----		
				.004			.2			.003		.006

12706 LAMPEDUSA												
M001	7544	1	LC CSR	-.004	-.014	-.009	-.1	-.6	-.2	-.013	-.004	-.011
M001	7544	1	CU DUT	.000	.008	.000	.0	.5	.0	.008	-.001	.001
				-----			-----			-----		
				.008			.4			.008		.008

12711 BOLOGNA												
M002	7546	1	LC CSR	.018	-.115	-.046	.1	-1.2	-.3	-.116	-.029	-.036
M002	7546	1	CU DUT	.011	.007	-.006	.3	.2	-.2	.005	-.013	.005
M002	7546	1	GA	.000	.000	.000	.0	.0	.0	.000	.000	.000
S001	7230	2	RG GSFC	.003	.000	.005	.7	.0	.9	-.001	.001	.006
S001	7230	2	RN NOAA	-.009	-.001	-.003	-1.1	-.1	-.2	.001	.004	-.009
S001	7230	2	RO USNO	.001	.001	.002	.1	.7	.4	.001	.001	.002
S001	7230	2	GA	.000	.000	.000	.0	.0	-.1	.000	.000	.000
				-----			-----			-----		
				.028			.6			.032		.014

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES CDP				RX	RY	RZ	NX	NY	NZ	RE	RN	RU
NUM.	NUM.	*		m	m	m				m	m	m

12717 NOTO												
M001	7543	1	LC CSR	-.004	-.009	-.030	-.1	-.3	-.8	-.007	-.020	-.022
M001	7543	1	CU DUT	-.006	-.025	-.016	-.3	-.9	-.7	-.023	-.005	-.020
M001	7543	1	GA	.000	.000	.000	.0	.1	.1	.000	.000	.000
S001	7547	2	RG GSFC	.001	.000	.003	.2	.0	.4	.000	.002	.003
S001	7547	2	RN NOAA	-.001	.002	.006	-.1	.1	.4	.002	.005	.003
S001	7547	2	RO USNO	.002	.002	.001	.2	.7	.2	.002	-.001	.003
S001	7547	2	GA	.000	-.001	-.001	.1	-.2	-.3	-.001	-.001	.000

				.010			.5			.009		.011

12718 TRIESTE												
M002	7550	1	LC CSR	.067	.042	.152	.2	.3	.5	.025	.053	.161
M002	7550	1	CU DUT	.001	.001	-.001	.1	.0	.0	.000	-.002	.000

				.070			.3			.029		.114

12725 CAGLIARI												
M002	7545	1	LC CSR	-.022	.009	-.021	-.5	.4	-.5	.012	-.003	-.029
M002	7545	1	CU DUT	.004	-.007	.000	.2	-.3	.0	-.007	-.001	.002

				.013			.4			.007		.021

12734 MATERA												
M004	7541	1	CU DUT	.013	.017	.016	1.1	1.4	1.0	.012	.001	.023
M004	7541	1	GA	-.001	-.001	-.001	-.3	-.3	-.2	-.001	.000	.001
M005	7540	2	CU DUT	.012	.005	-.002	.8	.3	-.1	.001	-.010	.009
M005	7540	2	GA	.000	.000	.000	-.1	-.1	.0	.000	.000	.000
M008	MATE	3	PB CODE	.000	-.006	.000	-.1	-1.0	.0	-.006	.002	-.001
M008	MATE	3	PJ JPL	-.001	.001	.000	-.1	.1	.0	.001	.000	.000
M008	MATE	3	GA	.000	.002	.000	-.1	.8	-.1	-.001	.001	-.001
S001	7939	4	LC CSR	.029	.013	.005	.8	.7	.1	.004	-.017	.028
S001	7939	4	CU DUT	-.003	-.003	-.006	-.5	-.5	-.8	-.002	-.002	-.007
S001	7939	4	GA	.000	.000	.000	.1	.0	.1	.000	.000	.000
S005	7243	5	RG GSFC	.001	.000	.002	.2	.0	.4	.000	.001	.002
S005	7243	5	RN NOAA	-.003	.001	.005	-.3	.1	.4	.002	.005	.001
S005	7243	5	RO USNO	-.004	.001	-.001	-.7	.5	-.3	.002	.002	-.004
S005	7243	5	GA	.006	-.008	-.002	.9	-1.1	-.3	.009	-.005	.002

				.007			.6			.005		.010

12749 MONTE VENDA												
M001	7542	1	LC CSR	.036	.002	.011	.6	.1	.2	-.005	-.017	.033
M001	7542	1	CU DUT	-.006	.004	.008	-.4	.1	.3	.005	.009	.002

				.016			.4			.010		.023

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES CDP NUM. NUM. *	RX m	RY m	RZ m	NX	NY	NZ	RE m	RN m	RU m

12750 PADOVA									
M001 UPAD 1 PB CODE	.018	.001	.013	.4	.0	.3	-.003	-.003	.022
M001 UPAD 1 CU DUT	-.010	-.001	.008	-.5	-.1	.4	.001	.013	-.001
M002 UPAD 2 PB CODE	.000	-.006	-.001	.0	-.7	-.1	-.005	.000	-.002

		.009			.4			.006	.013
13101 BRUSSELS									
M004 BRUS 1 PB CODE	-.002	-.005	-.001	-.3	-.7	-.1	-.005	.001	-.002
M004 BRUS 1 CU DUT	-.001	-.006	.000	.0	-.1	.0	-.005	.001	-.001

		.003			.4			.004	.002
13201 CHILBOLTON									
S002 7215 1 RG GSFC	.003	.001	.006	.0	.0	.1	.001	.001	.006

		.004			.0			.001	.006
13212 HERSTMONCEUX									
M007 HERS 1 PB CODE	-.002	-.004	-.001	-.4	-.9	-.2	-.004	.001	-.002
M007 HERS 1 PJ JPL	-.003	.002	.000	-.5	.4	.0	.002	.002	-.002
M007 HERS 1 GA	.002	-.002	-.001	.7	-.6	-.5	-.003	-.001	.000
S001 7840 2 LC CSR	.004	-.004	-.006	.6	-.5	-.8	-.004	-.007	-.002
S001 7840 2 CU DUT	-.002	.001	.005	-.3	.2	.9	.001	.005	.003
S001 7840 2 GA	.000	.000	.000	-.3	.2	.2	.000	.000	.000

		.003			.6			.003	.002
13296 CARNUSTY									
M002 7603 1 RG GSFC	-.001	-.001	.001	.0	.0	.0	-.001	.001	.000

		.001			.0			.001	.000
13406 VILLAFRANCA									
M001 VILL 1 CU DUT	.000	.000	.000	.0	.0	.0	.000	.000	.000

		.000			.0			.000	.000
13407 MADRID									
S001 1563 1 RJ JPL	.020	-.007	.012	1.7	-.6	.7	-.005	-.004	.024
S003 1561 2 RG GSFC	-.049	.033	-.077	-.3	1.1	-.6	.029	-.026	-.089
S003 1561 2 RJ JPL	.022	-.014	.020	1.1	-1.0	.9	-.013	.001	.030
S003 1561 2 RO USNO	-.100	.054	-.107	-.9	2.2	-1.4	.047	-.015	-.149
S010 1565 3 RG GSFC	.003	-.002	.001	.4	-.4	.1	-.001	-.001	.003
S010 1565 3 RJ JPL	-.001	.002	-.002	-.1	.2	-.1	.002	-.001	-.002
S010 1565 3 RN NOAA	-.010	.003	-.005	-.9	.2	-.3	.002	.003	-.011
S010 1565 3 RO USNO	.008	.000	.007	1.1	.2	1.4	.001	.000	.010

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES NUM.	CDP NUM.	*		RX m	RY m	RZ m	NX	NY	NZ	RE m	RN m	RU m	

13407 MADRID (cont.)													
S010	1565	3	CU DUT	-.011	-.011	.005	-1.0	-.9	.4	-.011	.011	-.005	
S010	1565	3	GA	-.001	.000	.001	-1.1	-.4	.6	.000	.000	.000	
S012	MADR	4	PB CODE	-.010	-.010	-.007	-2.2	-1.5	-.9	-.010	.001	-.011	
S012	MADR	4	PE EMR	.005	-.003	.059	.3	-.1	1.2	-.003	.042	.042	
S012	MADR	4	PJ JPL	.002	-.002	.003	.3	-.3	.6	-.001	.001	.004	
S012	MADR	4	GA	.009	.003	-.005	3.0	1.2	-1.7	-.009	-.002	-.006	
				-----						-----			
				.031			1.2			.015			.049
13504 KOOTWIJK													
M002	8833	1	LC CSR	-.001	-.003	-.013	.0	.0	-.1	-.003	-.007	-.011	
M002	8833	1	CU DUT	-.005	-.003	-.003	-.6	-.4	-.3	-.003	.002	-.005	
M002	8833	1	GA	.000	.000	.000	.1	.1	.0	.000	.000	.000	
M003	KOSG	2	PB CODE	-.001	-.004	.001	-.2	-1.1	.2	-.004	.002	.000	
M003	KOSG	2	PE EMR	-.001	-.003	.052	-.1	-.1	1.0	-.002	.033	.040	
M003	KOSG	2	PJ JPL	-.001	.002	.000	-.3	.5	.0	.002	.001	-.001	
M003	KOSG	2	GA	-.001	.000	.000	-.2	-.1	-.1	-.001	-.001	.000	
				-----						-----			
S001	7833	3	LC CSR	-.005	.049	-.104	.0	.6	-.6	.050	-.065	-.082	
S001	7833	3	CU DUT	-.005	.015	.015	-.1	.3	.5	.015	.012	.010	
S001	7833	3	GA	.000	.000	.000	.0	.0	.0	.000	.000	.000	
				-----						-----			
				.024			.5			.020			.029
14001 ZIMMERWALD													
M004	ZIMM	1	PB CODE	-.001	-.006	.000	-.3	-1.2	-.1	-.006	.001	-.002	
M004	ZIMM	1	GA	-.001	.000	-.001	-.2	.0	-.2	.000	-.001	.000	
S001	7810	2	LC CSR	-.010	-.005	-.022	-.8	-.5	-1.6	-.004	-.007	-.024	
S001	7810	2	CU DUT	-.001	-.001	.002	-.1	-.1	.2	-.001	.002	.001	
S001	7810	2	GA	.000	.000	.000	.1	.0	.1	.000	.000	.000	
				-----						-----			
				.007			.7			.003			.011
14106 POTSDAM													
M003	POTS	1	PB CODE	-.004	-.007	-.006	-.8	-1.9	-.8	-.006	.001	-.008	
M003	POTS	1	GA	.001	.000	.001	.3	.0	.5	-.001	.001	.000	
S001	1181	2	LC CSR	-.126	-.023	-.164	-.6	-.2	-.6	.006	.000	-.208	
S001	1181	2	CU DUT	.002	.001	.000	.1	.0	.0	.000	-.001	.001	
S009	7836	3	LC CSR	.014	-.004	.018	.5	-.1	.7	-.007	.001	.022	
S009	7836	3	CU DUT	.010	-.002	.018	.8	-.2	1.5	-.005	.004	.020	
S009	7836	3	GA	.000	.000	.000	-.1	.0	-.2	.000	.000	.000	
				-----						-----			
				.046			.8			.003			.079

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES CDP				RX	RY	RZ	NX	NY	NZ	RE	RN	RU
NUM.	NUM.	*		m	m	m				m	m	m

14201 WETTZELL												
M009	WETT	1	PB CODE	.000	-.006	.000	.1	-1.8	.1	-.006	.001	.000
M009	WETT	1	PE EMR	.003	-.001	.063	.2	.0	1.3	-.002	.039	.049
M009	WETT	1	PJ JPL	.003	.003	.001	.6	.7	.2	.003	-.002	.003
M009	WETT	1	GA	-.003	.000	-.003	-.9	.0	-1.0	.002	-.003	.000
M010	WTZR	2	PB CODE	.002	-.006	.001	.3	-1.4	.1	-.006	.001	.001
M010	WTZR	2	GA	-.001	.001	.000	-.3	.2	.0	.001	.000	.000
S002	7834	3	LC CSR	-.016	-.008	-.032	-.4	-.4	-.7	-.004	-.008	-.036
S002	7834	3	CU DUT	-.011	-.005	-.010	-1.6	-.7	-1.4	-.003	.002	-.015
S002	7834	3	GA	.000	.000	.000	.3	.1	.2	.000	.000	.000
S004	7224	4	RG GSFC	-.003	-.001	-.001	-.6	-.3	-.2	-.001	.002	-.003
S004	7224	4	RN NOAA	.001	.002	.007	.2	.1	.6	.001	.003	.007
S004	7224	4	RO USNO	-.003	.000	-.001	-.6	-.1	-.5	.001	.002	-.003
S004	7224	4	CU DUT	.006	.000	.006	.8	.0	.7	-.001	-.001	.009
S004	7224	4	GA	.002	.000	.002	.8	-.1	.8	.002	.002	.001
S018	8834	5	LC CSR	.018	.006	.017	.5	.3	.4	.002	-.003	.026
S018	8834	5	CU DUT	.005	.007	.009	.7	.9	1.1	.006	.001	.011
S018	8834	5	GA	-.001	-.001	-.001	-.3	-.4	-.5	-.001	-.002	.000
				.011			.8			.007		
										.017		

14202 HOHENBUNSTORF												
M002	7600	1	RG GSFC	-.001	-.001	.001	.0	.0	.0	-.001	.002	.000
				.001			.0			.002		
										.000		

14209 EFFELSBERG												
S001	7203	1	RG GSFC	.000	-.001	.001	.0	-.3	.2	-.001	.001	.001
S001	7203	1	RN NOAA	-.001	.001	.005	-.1	.1	.4	.001	.003	.003
S001	7203	1	RO USNO	-.011	.000	-.010	-1.2	-.1	-1.2	.001	.001	-.015
				.005			.7			.002		
										.009		

14213 HOHENPEISSENBERG												
M002	7630	1	RG GSFC	-.009	-.005	-.009	-.2	-.3	-.2	-.003	.001	-.014
M002	7630	1	RN NOAA	-.007	.002	-.004	-.1	.1	-.1	.003	.002	-.007
M002	7630	1	RO USNO	.041	.008	.047	.5	.5	.5	.000	.001	.063
				.022			.4			.002		
										.037		

14260 KARLSBURG												
M001	7632	1	RG GSFC	.002	-.001	.002	.0	-.1	.0	-.002	.000	.002
M001	7632	1	RN NOAA	-.006	-.005	-.004	-.1	-.2	.0	-.004	.004	-.007
M001	7632	1	RO USNO	.009	.004	.016	.1	.1	.1	.001	.001	.019
				.007			.1			.003		
										.012		

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES CDP				RX	RY	RZ	NX	NY	NZ	RE	RN	RU
NUM.	NUM.	*		m	m	m				m	m	m

14261 KIRSCHBERG												
M001	7631	1	RG GSFC	-.003	.000	.001	-.1	.0	.0	.001	.003	-.001
M001	7631	1	RN NOAA	.002	.001	.006	.1	.1	.2	.000	.002	.006
				-----			-----			-----		
				.003			.1			.002		.004
20702 BAR GIYYORA												
M001	7530	1	LC CSR	-.019	-.014	-.025	-.2	-.2	-.4	.000	-.009	-.033
M001	7530	1	CU DUT	.000	.000	.002	.0	.0	.1	.000	.002	.001
				-----			-----			-----		
				.014			.2			.005		.023
20801 DIYARBAKIR												
M001	7575	1	CU DUT	.000	.000	.000	.0	.0	.0	.000	.000	.000
				-----			-----			-----		
				.000			.0			.000		.000
20802 YOZGAT												
M001	7585	1	LC CSR	-.037	-.033	-.049	-.7	-1.0	-.9	-.006	-.006	-.069
M001	7585	1	CU DUT	.002	.007	.002	.1	.4	.1	.005	-.002	.006
				-----			-----			-----		
				.029			.7			.005		.049
20803 MELENGICLICK												
M001	7580	1	LC CSR	-.020	-.010	-.020	-.5	-.3	-.5	.002	-.003	-.030
M001	7580	1	CU DUT	.002	.000	.001	.2	.0	.0	-.001	-.001	.002
				-----			-----			-----		
				.012			.4			.002		.021
20804 YIGILCA												
M001	7587	1	LC CSR	-.006	-.003	-.015	-.1	-.1	-.4	.000	-.007	-.015
M001	7587	1	CU DUT	.001	-.001	.003	.1	-.1	.2	-.001	.002	.002
				-----			-----			-----		
				.007			.2			.004		.011
20805 ANKARA												
M001	7589	1	LC CSR	-.012	-.015	-.032	.0	-.1	-.1	-.006	-.013	-.034
M001	7589	1	CU DUT	.000	.000	.000	.0	.0	.0	.000	.000	.000
				-----			-----			-----		
				.015			.1			.007		.024
21501 EVEREST												
S001	EVEB	1	DC CSR	-.013	.007	.013	-.1	.2	.3	.013	.009	.012
S001	EVEB	1	DR GRGS	.019	-.046	-.008	.2	-.6	-.2	-.022	.014	-.044
S001	EVEB	1	DH IGN	.005	-.017	-.024	.1	-.2	-.5	-.005	-.014	-.026
				-----			-----			-----		
				.021			.3			.014		.030

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES CDP NUM. NUM. *	RX m	RY m	RZ m	NX	NY	NZ	RE m	RN m	RU m
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
21602 WUHAN									
S003 7236 1 LC CSR	-.009	.007	.010	-.1	.1	.1	.005	.003	.014
		.009			.1			.004	.014
21604 PURPLE MOUNTAIN									
S003 PURA 1 DC CSR	-.006	-.031	-.011	-.1	-.6	-.4	.020	.004	-.026
S003 PURA 1 DH IGN	.009	.025	.022	.2	.7	.7	-.020	.009	.027
		.020			.6			.015	.027
21605 SHANGHAI									
M002 SHAO 1 PB CODE	-.004	-.010	.004	-.4	-.8	.3	.008	.006	-.003
S001 7837 2 LC CSR	.049	-.035	-.082	1.1	-.6	-1.7	-.024	-.042	-.090
S001 7837 2 CU DUT	.002	-.004	-.050	.1	-.3	-3.2	.000	-.041	-.030
S001 7837 2 GA	.000	.000	.000	.0	.0	.3	.000	.000	.000
S008 7226 3 RG GSFC	.040	.005	.026	.1	.0	.1	-.037	.030	-.001
S008 7226 3 RO USNO	-.077	.069	-.272	-.3	.3	-.9	.029	-.284	-.055
S009 7227 4 RG GSFC	-.015	.017	.016	-1.7	1.4	1.6	.004	.002	.028
S009 7227 4 RN NOAA	-.003	.005	.007	-.2	.2	.4	.000	.003	.009
S009 7227 4 RO USNO	-.006	.006	.007	-.6	.5	.7	.002	.002	.011
S009 7227 4 GA	.003	-.001	-.025	.3	-.1	-2.5	.003	-.024	-.006
		.058			1.2			.067	.036
21611 CHANGCHUN									
S001 7237 1 LC CSR	-.161	.134	.066	-.6	.5	.2	.054	-.091	.192
S001 7237 1 CU DUT	-.077	-.102	.006	-.2	-.4	.0	.122	.031	-.024
		.104			.4			.082	.137
21612 URUMQI									
S001 7330 1 RG GSFC	-.024	.020	-.012	-.9	.4	-.2	.025	-.022	.005
S001 7330 1 RN NOAA	-.008	-.031	.014	-.1	-.2	.1	.006	.032	-.013
S001 7330 1 RO USNO	.012	-.006	.007	.6	.0	.1	-.013	.009	.001
		.017			.5			.020	.008
21701 KASHIMA									
S001 1856 1 RG GSFC	-.006	.003	.007	-1.0	.6	1.0	.002	.002	.009
S001 1856 1 RN NOAA	.002	-.006	.000	.2	-.4	.0	.003	.003	-.004
S001 1856 1 RO USNO	.000	.000	-.001	.0	-.1	-.2	.000	-.001	-.001
S004 1857 2 RG GSFC	-.007	.003	.008	-1.2	.6	1.1	.002	.002	.011
S004 1857 2 RN NOAA	.014	-.014	-.011	1.2	-1.0	-.7	.002	.003	-.022
S004 1857 2 RO USNO	-.003	.002	.002	-.4	.4	.3	.001	-.001	.004
		.006			.8			.002	.010

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES CDP				RX	RY	RZ	NX	NY	NZ	RE	RN	RU
NUM.	NUM.	*		m	m	m				m	m	m

21702 MIZUSAWA												
S009	7314	1	RG GSFC	-.005	.003	.005	-.2	.1	.2	.001	.001	.007
S010	7324	2	RG GSFC	-.006	-.004	.004	-.3	-.2	.2	.007	.002	.005
S010	7324	2	RN NOAA	-.001	-.016	-.006	.0	-.6	-.2	.013	.001	-.011
S010	7324	2	RO USNO	-.016	.024	.026	-.4	.8	.6	-.008	.003	.037

				.013				.5		.006		.020
21704 TOKYO												
S002	7308	1	LC CSR	-.033	.015	.014	-.2	.1	.1	.010	-.009	.036

				.022				.2		.010		.036
21718 MIYAZAKI												
S001	7312	1	RG GSFC	.000	.001	.002	.0	.0	.0	-.001	.001	.002

				.001				.0		.001		.002
21725 NOBEYAMA												
S001	7244	1	RG GSFC	-.045	-.027	.005	-.9	-.5	.1	.050	-.006	.016
S001	7244	1	RN NOAA	.012	.003	-.006	.3	.1	-.1	-.011	.000	-.009
S001	7244	1	RO USNO	.005	-.051	-.030	.0	-.5	-.3	.035	-.002	-.048

				.027				.5		.025		.030
21726 SIMOSATO												
S001	7838	1	LC CSR	.043	-.038	-.031	2.9	-2.7	-2.2	-.003	.006	-.064
S001	7838	1	CU DUT	-.007	.004	.007	-1.0	.6	.7	.002	.002	.011

				.027				2.2		.004		.046
21729 USUDA												
S001	7246	1	RG GSFC	-.003	.002	.004	-.1	.0	.1	.000	.001	.006
S007	USUD	2	PB CODE	.015	.006	.014	1.2	.4	1.2	-.015	.015	.002
S007	USUD	2	PE EMR	.010	.019	.054	.3	.5	.9	-.021	.040	.035
S007	USUD	2	PJ JPL	-.007	.016	.006	-.3	.9	.4	-.008	-.004	.017

				.019				.8		.018		.020
21730 TSUKUBA												
S001	7311	1	RG GSFC	-.016	-.002	.033	-.7	-.1	1.5	.012	.021	.029
S001	7311	1	GA	.000	.000	.000	.0	.1	-.1	.000	.000	.000
S005	TSKB	2	PB CODE	.018	.009	.013	1.3	.6	1.1	-.018	.015	.001
S005	TSKB	2	GA	.000	-.001	.001	.0	-.2	.3	.000	.001	.001

				.013				.8		.012		.015

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES CDP NUM. NUM. *	RX m	RY m	RZ m	NX	NY	NZ	RE m	RN m	RU m
21731 SHINTOTSUGAWA									
S001 7315 1 RG GSFC	-.004	.002	.004	-.1	.1	.1	.000	.000	.006
		.003			.1			.000	.006
21732 CHICHIJIMA									
S001 7316 1 RG GSFC	-.002	.001	.003	.0	.0	.0	.000	.002	.003
S001 7316 1 GA	.000	.000	.000	.0	.0	.0	.000	.000	.000
		.002			.0			.001	.002
21733 MINAMI TORI SIMA									
S002 7310 1 RG GSFC	-.004	-.001	.003	-.2	-.1	.3	.003	.002	.004
S002 7310 1 RN NOAA	.004	.000	.004	.1	.0	.2	-.002	.005	-.002
		.003			.2			.003	.003
21737 SAGARA									
S001 7325 1 RG GSFC	-.006	.003	.007	-.1	.1	.1	.002	.002	.009
		.006			.1			.002	.009
21738 DAITO									
S001 7326 1 RG GSFC	-.005	.003	.006	-.1	.0	.1	.002	.002	.008
		.005			.1			.002	.008
22006 MANILLE									
S001 MANA 1 DC CSR	.069	.022	-.009	.8	.3	-.3	-.071	-.005	-.018
S001 MANA 1 DR GRGS	-.095	-.025	.009	-1.8	-.6	.4	.094	.002	.029
S001 MANA 1 DH IGN	.035	.001	.006	.7	.0	.2	-.030	.010	-.015
		.043			.9			.050	.022
23101 CIBINONG									
S001 CIBB 1 DC CSR	.022	.020	-.015	.2	.5	-.5	-.027	-.014	.015
S001 CIBB 1 DR GRGS	-.061	-.034	.025	-1.0	-.9	.9	.068	.023	-.018
S001 CIBB 1 DH IGN	.026	.006	-.006	.5	.2	-.2	-.027	-.006	-.001
		.029			.7			.034	.014
23501 COLOMBO									
S001 COLA 1 DC CSR	.004	-.013	-.004	.0	-.5	-.2	-.006	-.002	-.013
S001 COLA 1 DR GRGS	.003	.011	.030	.1	.4	1.4	-.001	.028	.015
S001 COLA 1 DH IGN	.007	-.004	-.020	.2	-.1	-.7	-.007	-.019	-.005
		.014			.7			.014	.012

Table T12. (cont.)

**RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0**

DOMES CDP				RX	RY	RZ	NX	NY	NZ	RE	RN	RU
NUM.	NUM.	*		m	m	m				m	m	m

23601 TAIPEI												
M001	TAIW	1	PB CODE	.014	.000	.015	.9	.0	1.2	-.012	.017	.000
M001	TAIW	1	PE EMR	.004	.011	-.001	.0	.0	.0	-.010	-.004	.006
M001	TAIW	1	PJ JPL	-.001	.016	.001	-.1	1.5	.2	-.008	-.005	.014
				-----			-----			-----		
				.010			.8			.010		.009
30101 HELWAN												
S001	7831	1	LC CSR	-.004	-.007	-.010	-.2	-.4	-.5	-.004	-.005	-.011
S001	7831	1	CU DUT	-.001	.006	.010	.0	.3	.4	.005	.007	.007
				-----			-----			-----		
				.007			.4			.005		.009
30302 HARTEBEESTHOEK												
M002	HART	1	PB CODE	.014	.008	.002	.6	.3	.1	.000	.008	.013
M002	HART	1	PE EMR	-.011	-.005	.053	-.6	-.2	1.1	.001	.043	-.034
M002	HART	1	PJ JPL	.006	-.008	.003	.4	-.7	.4	-.010	.004	.000
M002	HART	1	GA	.003	-.003	.017	.3	-.3	1.7	-.002	.017	-.002
M003	7501	2	LC CSR	-.003	.014	.026	-.1	.2	.7	.014	.025	-.008
M003	7501	2	CU DUT	-.001	-.003	-.004	-.1	-.3	-.5	-.002	-.005	.000
S001	7232	3	RG GSFC	-.002	.000	-.005	-.2	-.1	-.8	.000	-.005	.001
S001	7232	3	RN NOAA	.003	.006	.020	.2	.3	1.3	.004	.021	-.004
S001	7232	3	RO USNO	-.002	-.001	.000	-.4	-.3	-.1	.000	-.001	-.002
S001	7232	3	GA	.000	.000	.000	.0	.0	-.2	.000	.000	.000
S202	HBKA	4	DC CSR	-.015	.003	-.005	-.3	.0	-.2	.010	-.009	-.008
S202	HBKA	4	DR GRGS	.075	-.071	-.004	3.1	-2.0	-.3	-.098	.011	.032
S202	HBKA	4	DH IGN	-.011	-.019	.004	-.3	-.5	.2	-.012	-.004	-.018
S202	HBKA	4	GA	-.007	.007	.003	-.7	.7	.3	.004	.002	.009
				-----			-----			-----		
				.020			.9			.022		.014
30313 MARION ISLAND												
S001	MARA	1	DC CSR	-.027	-.015	-.005	-.6	-.3	-.2	.005	-.025	-.018
S001	MARA	1	DR GRGS	.054	-.033	.011	2.4	-1.2	.6	-.059	.024	.008
S001	MARA	1	DH IGN	-.020	.010	-.017	-.8	.3	-.7	.020	-.018	.006
				-----			-----			-----		
				.026			1.2			.030		.012
30314 SUTHERLAND												
M001	7502	1	LC CSR	-.013	.011	.032	-.3	.1	.9	.015	.023	-.024
M001	7502	1	CU DUT	-.001	-.003	-.005	-.1	-.4	-.6	-.003	-.005	.001
				-----			-----			-----		
				.015			.6			.014		.017

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES CDP				RX	RY	RZ	NX	NY	NZ	RE	RN	RU
NUM.	NUM.	*		m	m	m				m	m	m

30604 TRISTAN DA CUNHA												
S001	TRIA	1	DC CSR	-.019	.043	.005	-.7	.5	.2	.038	-.012	-.025
S001	TRIA	1	DR GRGS	-.017	-.115	.006	-.6	-2.5	.3	-.116	.010	.003
S001	TRIA	1	DH IGN	.019	.001	-.018	.7	.0	-.7	.005	-.003	.026
				-----			-----			-----		
				.043			1.1			.050		.021

30606 SAINTE-HELENE												
S002	HELA	1	DC CSR	-.012	.050	.022	-.5	.5	.9	.048	.016	-.022
S002	HELA	1	DR GRGS	.029	-.061	-.023	1.3	-1.4	-1.2	-.058	-.013	.040
S002	HELA	1	DH IGN	-.025	-.007	.022	-.8	-.2	.9	-.009	.015	-.029
				-----			-----			-----		
				.032			1.1			.033		.031

31303 MASPALOMAS												
M001	MASP	1	PB CODE	.001	-.013	.001	.1	-1.3	.1	-.012	-.001	.004
M001	MASP	1	PJ JPL	-.006	.001	-.002	-.7	.2	-.4	-.001	.001	-.006
M001	MASP	1	CU DUT	-.005	-.006	-.003	-.4	-.5	-.2	-.007	-.001	-.004
M002	MASP	2	PB CODE	-.004	-.008	-.002	-.4	-.4	-.2	-.009	-.001	-.002
				-----			-----			-----		
				.006			.6			.006		.004

31901 FLORES												
S001	FLOA	1	DC CSR	.001	-.013	-.008	.0	-.2	-.3	-.010	-.011	.001
S001	FLOA	1	DR GRGS	-.017	.004	.007	-.4	.1	.2	-.005	.016	-.009
S001	FLOA	1	DH IGN	-.006	-.006	-.009	-.2	-.2	-.3	-.008	-.006	-.007
				-----			-----			-----		
				.009			.3			.010		.007

31903 SANTA MARIA												
S001	SAMB	1	DH IGN	.022	-.015	.041	.1	-.1	.2	-.004	.017	.046
S001	SAMB	1	GA	-.001	.000	-.004	.0	.0	-.1	.001	-.003	.002
				-----			-----			-----		
				.020			.1			.009		.033

31906 SAO MIGUEL												
M001	7609	1	RG GSFC	.005	-.005	.002	.2	-.3	.1	-.003	-.003	.006
M001	7609	1	RN NOAA	.002	.003	.001	.0	.1	.0	.003	.001	.001
M001	7609	1	RO USNO	-.015	.006	-.009	-.3	.3	-.2	-.001	.003	-.019
M001	7609	1	GA	.000	.000	.000	.0	.0	.0	.000	.000	.000
				-----			-----			-----		
				.006			.2			.002		.010

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES CDP				RX	RY	RZ	NX	NY	NZ	RE	RN	RU	
NUM.	NUM.	*		m	m	m				m	m	m	

32809 LIBREVILLE													
S002	LIBA	1	DC	CSR	-.003	.030	.013	-.1	.3	.5	.030	.013	.002
S002	LIBA	1	DR	GRGS	.003	-.056	-.007	.1	-1.2	-.4	-.056	-.007	-.006
S002	LIBA	1	DH	IGN	.002	-.005	.005	.1	-.1	.2	-.005	.004	.001
					-----			-----			-----		
					.022			.5			.027		.004
33710 ARLIT													
S001	ARLA	1	DR	GRGS	.013	-.066	-.002	.3	-1.0	-.1	-.067	-.003	.003
S001	ARLA	1	DH	IGN	-.097	-.027	.115	-.6	-.1	.5	-.014	.141	-.058
S001	ARLA	1	GA		.000	.001	.000	.2	.8	.1	.000	.000	.000
S002	ARMA	2	DR	GRGS	.025	-.017	.002	.7	-.3	.1	-.020	-.005	.022
S002	ARMA	2	DH	IGN	-.031	.046	-.013	-.4	.4	-.1	.049	-.004	-.027
S002	ARMA	2	GA		-.007	-.028	-.003	-1.2	-4.6	-.4	.009	-.026	.011
					-----			-----			-----		
					.043			1.4			.048		.028
34101 DAKAR													
S004	DAKA	1	DC	CSR	.033	.083	.010	.7	.8	.3	.089	.009	.009
S004	DAKA	1	DR	GRGS	-.016	-.063	-.007	-.6	-1.4	-.4	-.065	-.007	.001
S004	DAKA	1	DH	IGN	-.009	.009	.012	-.2	.2	.4	.006	.014	-.008
					-----			-----			-----		
					.038			.8			.046		.007
39901 DJIBOUTI													
S002	DJIA	1	DC	CSR	.009	.009	.017	.1	.1	.6	.001	.014	.015
S002	DJIA	1	DR	GRGS	-.020	-.008	-.013	-.5	-.2	-.6	.008	-.009	-.022
S002	DJIA	1	DH	IGN	.000	-.024	.006	.0	-.6	.2	-.017	.009	-.015
					-----			-----			-----		
					.014			.5			.011		.018
40101 ST. JOHNS													
M001	STJO	1	PB	CODE	.004	-.005	.001	.5	-.7	.1	.001	-.004	.005
M001	STJO	1	PE	EMR	.004	-.033	.067	.2	-1.3	1.2	-.017	.024	.069
M001	STJO	1	PJ	JPL	-.002	.004	-.005	-.4	.9	-1.0	.001	.000	-.007
					-----			-----			-----		
					.025			1.0			.012		.040
40102 OTTAWA													
S005	OTTA	1	DC	CSR	-.003	.010	-.012	.0	.3	-.4	.000	-.001	-.016
S005	OTTA	1	DH	IGN	.007	.000	-.007	.2	.0	-.2	.006	-.006	-.003
S005	OTTA	1	GA		-.012	-.065	.024	-.2	-1.3	.5	-.065	.021	-.017
					-----			-----			-----		
					.024			.6			.028		.014

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES NUM.	CDP NUM.	*		RX m	RY m	RZ m	NX	NY	NZ	RE m	RN m	RU m

40104 ALGONQUIN												
M002	ALGO	1	PB CODE	.015	-.011	.011	1.5	-1.8	1.2	.012	-.002	.018
M002	ALGO	1	PE EMR	.003	-.023	.055	.1	-1.8	1.1	-.002	.022	.055
M002	ALGO	1	PJ JPL	.000	-.002	.001	.1	-.4	.3	.000	.000	.002
M002	ALGO	1	GA	-.001	.001	-.001	-.5	.9	-1.0	.000	.000	.000
M003	7410	2	LC CSR	-.004	.005	.001	-.1	.1	.0	-.003	.005	-.003
M003	7410	2	CU DUT	.000	-.002	.009	-.1	-.3	1.6	-.001	.005	.008
M003	7410	2	GA	.000	.000	-.003	.1	.1	-.9	.000	-.002	.001
S001	7282	3	RG GSFC	-.003	.007	-.008	-.5	1.4	-1.4	-.001	.000	-.010
S001	7282	3	RN NOAA	-.003	.007	-.004	-.3	.6	-.3	-.001	.003	-.008
S001	7282	3	RO USNO	-.002	.012	-.012	-.4	2.8	-2.5	.000	.000	-.017
S001	7282	3	GA	.004	-.007	.011	1.2	-2.4	3.6	.008	.011	.000
				-----			-----			-----		-----
				.012			1.5			.006		.019

40105 PENTICTON												
M001	7283	1	RG GSFC	-.015	-.018	.022	-.5	-.4	.4	-.004	-.003	.032
M001	7283	1	RN NOAA	.038	.079	-.103	.4	.6	-.5	-.006	-.001	-.135
M001	7283	1	RO USNO	.027	.051	-.074	.7	.8	-.9	-.002	-.004	-.093
M001	7283	1	GA	.000	.000	.000	.1	.0	.1	.000	.000	.000
M002	DRAO	2	PB CODE	.007	.000	.007	.7	.0	.8	.006	.008	.003
M002	DRAO	2	PE EMR	.000	-.028	.064	.0	-1.0	1.1	.014	.023	.065
M002	DRAO	2	PJ JPL	.003	.005	-.008	.8	1.2	-1.7	.000	-.001	-.010
M002	DRAO	2	GA	-.001	.000	.000	-.2	.0	-.1	.000	.000	.000
				-----			-----			-----		-----
				.037			.8			.008		.063

40118 WHITEHORSE												
M001	7284	1	RG GSFC	-.058	-.033	-.059	-.7	-.5	-.7	-.017	-.085	-.020
M001	7284	1	RN NOAA	.003	-.001	.032	.0	.0	.2	.003	.017	.027
M002	7284	2	RG GSFC	-.044	-.024	-.022	-1.0	-.6	-.5	-.014	-.053	.004
				-----			-----			-----		-----
				.036			.7			.042		.020

40127 YELLOWKNIFE												
M001	7285	1	RG GSFC	-.004	-.002	.008	-.2	.0	.1	-.003	.001	.009
M001	7285	1	RN NOAA	-.002	.025	-.023	-.1	.4	-.2	-.012	.009	-.030
M001	7285	1	RO USNO	.004	.018	-.034	.1	.2	-.2	-.004	.001	-.038
M001	7285	1	GA	.000	.000	.000	.1	-.1	.0	.000	.000	.000
M003	YELL	2	PB CODE	.008	.003	.006	.9	.3	.8	.006	.008	.002
M003	YELL	2	PE EMR	.004	-.012	.045	.2	-.9	.9	.009	.012	.044
M003	YELL	2	PJ JPL	-.001	-.003	.007	-.4	-.8	1.3	.000	.000	.008
M003	YELL	2	GA	.001	.001	-.002	.2	.4	-.5	-.001	-.002	.000
M004	7296	3	RG GSFC	-.004	-.010	.019	-.7	-1.8	2.3	.001	.000	.022
M004	7296	3	RN NOAA	-.004	-.004	.012	-.4	-.3	1.0	-.001	.001	.013
M004	7296	3	RO USNO	-.002	-.003	.006	-.3	-.4	.4	.000	.000	.007
M004	7296	3	GA	-.001	.003	-.003	-.5	1.1	-1.1	-.001	-.004	.003
S007	YELA	4	DC CSR	-.018	.020	-.045	-.4	.6	-2.4	-.025	-.011	-.045
S007	YELA	4	DR GRGS	.021	.025	-.039	1.1	1.7	-2.5	.009	.010	-.049

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES CDP				RX	RY	RZ	NX	NY	NZ	RE	RN	RU
NUM. NUM. *				m	m	m				m	m	m

40127 YELLOWKNIFE (cont.)												
S007 YELA	4	DH	IGN	-.004	.026	-.044	-.2	.9	-1.8	-.015	-.001	-.049
S007 YELA	4	GA		.000	-.004	.005	.1	-1.4	1.7	.003	.006	-.002
				-----			-----			-----		
				.017			1.1			.008		
				-----			-----			-----		
40129 ALBERT_HEAD												
M001 7289	1	RG	GSFC	.007	.010	.008	.1	.2	.1	.000	.015	-.002
M001 7289	1	GA		.000	.000	.000	.0	.0	.0	.000	.000	.000
M003 ALBH	2	PE	EMR	.018	-.070	.105	.5	-1.9	1.7	.053	.034	.111
M003 ALBH	2	PJ	JPL	.000	.000	-.002	.0	.0	-.3	.000	-.001	-.001
M003 ALBH	2	GA		.000	.000	.000	.0	.0	.0	.000	.000	.000
				-----			-----			-----		
				.033			.8			.020		
				-----			-----			-----		
40130 HOLBERG												
M001 HOLB	1	PE	EMR	.012	-.029	.068	.1	-.2	.4	.027	.032	.062
				-----			-----			-----		
				.043			.3			.030		
				-----			-----			-----		
40132 LA GRANDE												
M001 7411	1	LC	CSR	.002	-.009	-.005	.0	-.2	-.1	.000	-.011	.002
				-----			-----			-----		
				.006			.1			.008		
				-----			-----			-----		
40400 PASADENA												
M003 7263	1	RG	GSFC	.004	.009	.004	.2	.3	.2	-.001	.009	-.006
M003 7263	1	RN	NOAA	-.012	.023	-.019	-.1	.1	-.1	-.021	-.007	-.023
M003 7263	1	GA		.000	.000	.000	.0	.0	.0	.000	.000	.000
M006 JPLM	2	PJ	JPL	.007	-.011	.000	.3	-.4	.0	.011	-.004	.005
M006 JPLM	2	GA		.000	.000	.000	-.1	.1	.0	.000	.000	.000
M007 JPLM	3	PJ	JPL	.000	-.002	-.002	.1	-.2	-.4	.001	-.003	.000
				-----			-----			-----		
				.009			.2			.008		
				-----			-----			-----		
40403 PALOS VERDES												
M001 7268	1	RG	GSFC	.004	.002	-.003	.2	.1	-.1	.002	.000	-.004
M001 7268	1	RN	NOAA	-.033	-.049	.042	-.4	-.3	.4	-.006	.002	.072
				-----			-----			-----		
				.030			.3			.003		
				-----			-----			-----		
40404 PEARBLOSSOM												
M001 7254	1	RG	GSFC	.005	.008	.000	.2	.2	.0	.001	.005	-.007
M001 7254	1	RN	NOAA	-.064	-.112	.076	-.5	-.5	.4	-.004	-.010	.149
				-----			-----			-----		
				.061			.4			.006		
				-----			-----			-----		

Table T12. (cont.)

**RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0**

DOMES NUM.	CDP NUM.	*	RX m	RY m	RZ m	NX	NY	NZ	RE m	RN m	RU m
40405	GOLDSTONE										
M002	7115	1 GB	-.021	-.038	.025	-1.0	-1.7	1.2	-.028	.042	.004
M002	7115	1 GD	.000	.000	.000	.1	.1	-.1	.000	.000	.000
M006	7265	2 CU DUT	-.181	.259	-.130	-3.4	5.2	-1.8	-.278	-.020	-.197
M006	7265	2 GA	.001	-.001	.000	.2	-.3	.1	.001	.000	-.001
M013	7288	3 RG GSFC	-.001	-.001	.000	.0	.0	.0	.000	.000	.001
M013	7288	3 RN NOAA	.004	.012	-.010	.2	.3	-.3	-.002	-.001	-.016
M013	7288	3 LC CSR	-.001	.024	-.027	.0	.4	-.5	-.012	-.010	-.033
M013	7288	3 CU DUT	-.053	.087	-.052	-1.4	2.7	-1.3	-.087	-.012	-.074
M013	7288	3 GA	-.004	-.003	.003	-.6	-.2	.3	.004	.003	.002
M013	7288	3 GB	.008	-.001	.008	.7	-.1	.7	.007	.002	-.008
M013	7288	3 GC	.000	.000	.000	.1	.0	.0	.000	.000	.000
S001	1514	4 RJ JPL	.019	.006	-.019	2.2	.6	-1.6	.014	-.007	-.023
S001	1514	4 GB	-.003	-.002	.004	-1.1	-.5	1.4	.003	.003	.003
S003	1512	5 RJ JPL	.013	.027	-.021	.8	1.4	-1.1	-.001	.001	-.037
S005	GOMA	6 DH IGN	.040	-.003	-.039	.5	.0	-.7	.037	-.023	-.035
S009	7222	7 RG GSFC	-.002	-.004	.004	-.3	-1.0	.8	.000	.001	.006
S009	7222	7 RN NOAA	.000	.004	-.001	.0	.3	-.1	-.002	.001	-.003
S009	7222	7 RO USNO	.000	.000	.000	-.1	-.2	.2	.000	.000	.001
S009	7222	7 GA	.000	.000	.000	.0	.1	-.1	.000	.000	.000
S014	1513	8 RG GSFC	-.008	-.012	.013	-.7	-.7	.8	-.001	.002	.019
S014	1513	8 RJ JPL	.019	.037	-.027	1.7	2.3	-1.8	.000	.002	-.050
S014	1513	8 RN NOAA	-.010	-.008	.015	-.6	-.3	.6	-.005	.005	.018
S014	1513	8 RO USNO	.003	.001	-.003	.3	.1	-.2	.002	-.001	-.004
S014	1513	8 GD	.000	-.001	.000	-.1	-.2	.1	.001	.000	.000
S019	1515	9 RG GSFC	.026	.005	.017	1.4	.2	.8	.021	.023	-.003
S019	1515	9 RJ JPL	-.001	-.002	.000	-.2	-.2	.1	-.001	-.001	.002
S019	1515	9 RN NOAA	.003	.009	-.006	.2	.4	-.3	-.002	.000	-.011
S019	1515	9 RO USNO	-.004	-.019	.016	-.4	-1.1	1.1	.005	.003	.024
S019	1515	9 GB	.003	.002	-.005	1.0	.8	-1.8	.000	-.006	.002
S028	GOLD	10 PJ JPL	.007	-.001	-.004	.4	.0	-.2	.007	-.002	-.005
S028	GOLD	10 GC	-.002	-.002	-.002	-.2	-.2	-.2	.001	.001	-.004
S031	GOLD	11 PB CODE	.007	.007	.001	.6	.8	.1	.003	.007	-.007
S031	GOLD	11 PE EMR	.007	-.017	.050	.4	-1.2	1.0	.014	.034	.039
S031	GOLD	11 PJ JPL	-.001	-.002	-.002	-.2	-.4	-.3	.000	-.003	.001
S033	7222	12 RG GSFC	-.002	-.005	.004	-.2	-.5	.4	.001	.000	.006
S033	7222	12 RN NOAA	.001	.008	-.004	.1	.5	-.3	-.003	.001	-.009
S033	7222	12 RO USNO	.000	.000	.001	-.1	-.1	.2	.000	.001	.001
S034	1515	13 RG GSFC	-.005	.003	-.006	-.6	.3	-.6	-.005	-.004	-.004
S034	1515	13 RN NOAA	-.003	-.005	.008	-.2	-.3	.5	.000	.003	.009
S034	1515	13 RO USNO	-.008	-.012	.009	-1.0	-1.0	.9	-.002	-.001	.018
S035	GOLA	14 DC CSR	.021	-.015	-.010	.3	-.3	-.4	.025	-.010	-.003
S035	GOLA	14 DR GRGS	.008	-.031	.016	.2	-1.2	.9	.021	.000	.029
S035	GOLA	14 DH IGN	.022	-.001	-.023	.6	.0	-.8	.020	-.013	-.020
S035	GOLA	14 GC	-.001	.000	.000	-.2	.2	.1	.000	.000	.001
S036	GOLD	15 PJ JPL	-.014	-.019	.012	-.4	-.4	.3	-.004	-.003	.026
			.034			1.1			.032		

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES CDP				RX	RY	RZ	NX	NY	NZ	RE	RN	RU
NUM.	NUM.	*		m	m	m				m	m	m

40406 PRESIDIO												
M001	7252	1	RG GSFC	.006	-.026	-.034	.3	-1.2	-1.7	.019	-.039	-.006
M001	7252	1	RN NOAA	-.017	-.056	.012	-.4	-.8	.2	.016	-.024	.052
M001	7252	1	RO USNO	-.041	-.045	.059	-1.0	-.7	1.0	-.011	.010	.084
M002	7252	2	RG GSFC	.004	-.009	-.015	.2	-.3	-.5	.008	-.015	-.005
				-----			-----			-----		
				.033			1.0			.020		.050
40407 PINYON												
M001	7256	1	RG GSFC	.004	.000	-.002	.2	.0	-.1	.003	-.001	-.002
M001	7256	1	RN NOAA	-.021	-.033	.028	-.3	-.3	.3	-.004	.001	.048
M001	7256	1	GA	.000	.000	.000	.0	.0	.0	.000	.000	.000
M002	PIN1	2	PJ JPL	.004	-.004	-.002	.2	-.1	-.1	.005	-.003	.000
M002	PIN1	2	GA	.000	.000	.000	.0	.0	.0	.000	.000	.000
M003	PIN1	3	PJ JPL	.000	-.002	-.002	.0	-.2	-.3	.001	-.003	.000
				-----			-----			-----		
				.011			.2			.002		.020
40408 FAIRBANKS												
M001	FAIR	1	PB CODE	.012	.004	.003	1.4	.4	.4	.003	.013	-.002
M001	FAIR	1	PE EMR	.000	-.015	.056	.0	-1.0	1.1	.013	.017	.054
M001	FAIR	1	PJ JPL	-.004	-.001	.010	-1.0	-.3	1.6	-.001	.001	.011
M001	FAIR	1	GA	.000	.003	-.001	.0	1.0	-.5	-.002	-.001	.002
S002	7225	2	RG GSFC	.000	-.001	.000	.0	-.1	-.1	.000	.000	.000
S002	7225	2	RN NOAA	-.003	-.001	.007	-.3	-.1	.8	.000	.000	.007
S002	7225	2	RO USNO	.000	.001	-.002	.0	.5	-.9	-.001	.000	-.002
S002	7225	2	GA	-.001	-.001	.000	-.7	-1.0	.3	.000	.000	.000
S004	FAIA	3	DC CSR	-.019	-.016	.025	-.6	-.4	1.3	.004	-.011	.033
S004	FAIA	3	DR GRGS	-.047	-.048	-.005	-3.0	-2.7	-.3	.015	-.061	.023
S004	FAIA	3	DH IGN	-.007	-.020	.018	-.3	-.7	.8	.013	-.007	.023
S004	FAIA	3	GA	.006	.006	-.001	2.0	1.9	-.3	-.007	-.002	-.004
				-----			-----			-----		
				.017			1.2			.014		.021
40410 POINT REYES												
M001	7251	1	RG GSFC	-.003	.000	.010	-.2	.0	.6	-.002	.007	.008
M001	7251	1	RN NOAA	.014	.028	-.015	.3	.4	-.2	-.003	.007	-.034
M001	7251	1	RO USNO	.053	.075	-.078	1.1	1.1	-1.2	.003	-.005	-.120
				-----			-----			-----		
				.042			.8			.005		.072
40412 AUSTIN												
M003	7271	1	RG GSFC	-.001	.000	.000	.0	.0	.0	-.001	.000	.000
				-----			-----			-----		
				.001			.0			.001		.000

Table T12. (cont.)

**RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0**

DOMES NUM.	CDP NUM.	*		RX m	RY m	RZ m	NX	NY	NZ	RE m	RN m	RU m

40416 YAKATAGA												
M001	7277	1	RG GSFC	.000	-.002	-.005	.0	-.1	-.1	.002	-.003	-.004
M001	7277	1	RN NOAA	-.007	.000	.037	.0	.0	.1	-.004	.014	.035
M002	7277	2	RG GSFC	-.003	-.003	.003	-.1	-.2	.1	.000	-.003	.005
M002	7277	2	RN NOAA	.001	.003	.013	.0	.0	.1	-.002	.008	.010
				-----			-----			-----		
				.012			.1			.006		.018
40419 KODIAK												
M001	7278	1	RG GSFC	-.001	-.001	.003	.0	-.1	.1	.001	.000	.003
M001	7278	1	RN NOAA	.044	.025	-.078	.6	.5	-.6	-.002	.001	-.092
				-----			-----			-----		
				.038			.5			.001		.065
40420 VANDENB/HARVEST												
M002	7223	1	RG GSFC	-.005	-.008	.007	-.6	-.7	.6	.000	.000	.012
M002	7223	1	RN NOAA	.006	.014	-.009	.5	.7	-.5	-.002	.001	-.018
M002	7223	1	RO USNO	-.005	-.014	.010	-.4	-1.0	.8	.003	.000	.017
M002	7223	1	GA	.000	.000	.000	.2	.0	.1	.000	.000	.000
M007	VNDP	2	PJ JPL	.011	-.001	-.005	1.2	-.1	-.5	.010	-.001	-.007
M007	VNDP	2	GA	-.002	.000	-.001	-.6	.1	-.2	.002	.000	-.001
M101	HARV	3	PJ JPL	.001	-.004	.000	.1	-.4	.0	.002	-.002	.002
				-----			-----			-----		
				.007			.6			.003		.011
40421 NOME												
M001	7279	1	RG GSFC	-.004	-.004	.002	-.2	-.3	.1	.003	-.004	.005
M001	7279	1	RN NOAA	.035	.016	-.057	.4	.5	-.3	-.006	.010	-.068
				-----			-----			-----		
				.028			.4			.006		.048
40423 SANDPOINT												
M001	7280	1	RG GSFC	.003	-.001	.000	.1	.0	.0	.002	.002	-.002
M001	7280	1	RN NOAA	-.009	.002	.006	-.1	.0	.0	-.004	-.003	.009
				-----			-----			-----		
				.005			.1			.003		.007
40424 KAUAI												
M004	KOKB	1	PB CODE	-.006	.003	.019	-.6	.2	1.4	-.005	.016	.011
M004	KOKB	1	PE EMR	-.008	.005	.053	-.4	.2	1.1	-.007	.047	.025
M004	KOKB	1	PJ JPL	.003	.002	-.005	.3	.2	-.8	-.001	-.003	-.004
M004	KOKB	1	GA	.002	-.003	-.002	.7	-1.2	-.8	.001	-.002	.004
S001	1311	2	RG GSFC	.001	-.001	.001	.3	-.2	.3	.001	.002	.000
S001	1311	2	RN NOAA	-.004	-.002	.003	-.6	-.1	.2	.000	.001	.005
S001	1311	2	RO USNO	.005	.001	.000	.9	.2	-.2	.001	.001	-.005
S001	1311	2	GA	.000	.000	.000	-.3	.4	.4	.000	.000	.000
S007	7298	3	RG GSFC	.004	.001	.000	.9	.2	.1	.001	.002	-.003
S007	7298	3	RN NOAA	-.016	-.007	.009	-2.0	-.5	.7	.001	.002	.019

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES CDP				RX	RY	RZ	NX	NY	NZ	RE	RN	RU
NUM.	NUM.	*		m	m	m				m	m	m

40424 KAUAI (cont.)												
S007	7298	3	RO USNO	.005	.002	-.001	.8	.7	-.5	.000	.001	-.006
S008	KOKA	4	DC CSR	-.022	.017	.019	-.6	.2	.8	-.023	.012	.021
S008	KOKA	4	DR GRGS	.000	-.019	.004	.0	-.5	.2	.018	.001	.008
S008	KOKA	4	DH IGN	-.031	.031	.007	-1.0	.8	.3	-.039	.000	.020
S008	KOKA	4	GA	.001	.000	-.001	.2	.0	-.3	.000	-.001	.001

				.013			.8			.013		.012

40425 SOURDOUGH												
M001	7281	1	RG GSFC	.044	-.025	.014	1.3	-.8	.4	.046	.026	.003
M001	7281	1	RN NOAA	-.007	.007	-.012	-.1	.2	-.1	-.009	-.007	-.010
M002	7281	2	RG GSFC	.024	-.012	.004	1.0	-.6	.1	.024	.013	-.003

				.020			.8			.025		.006

40427 FORT ORD												
M001	7266	1	RG GSFC	.023	.026	.042	1.1	.9	1.5	.006	.054	-.003
M001	7266	1	RN NOAA	.050	.074	-.005	.5	.5	.0	.004	.049	-.075
M002	7241	2	RG GSFC	.021	.025	.035	.8	.7	1.1	.004	.047	-.005
M002	7241	2	RN NOAA	.047	.069	-.006	.7	.6	-.1	.004	.044	-.071
M002	7241	2	RO USNO	.025	.047	-.052	.7	.8	-1.1	-.003	-.011	-.074
M003	7241	3	RG GSFC	.006	.006	.022	.4	.3	1.2	.002	.023	.006
M003	7241	3	RN NOAA	.024	.037	-.006	.5	.5	-.1	.001	.022	-.039

				.037			.9			.028		.050

40428 SANTA PAOLA												
M001	7255	1	RG GSFC	.000	-.003	.000	.0	-.1	.0	.001	-.002	.002
M001	7255	1	RN NOAA	.030	.062	-.036	.3	.3	-.3	-.004	.008	-.077

				.032			.3			.005		.054

40430 BLACK BUTTE												
M001	7269	1	RG GSFC	.004	.003	-.002	.2	.1	-.1	.002	.001	-.005
M001	7269	1	RN NOAA	-.032	-.053	.041	-.3	-.2	.3	-.006	.000	.075

				.030			.2			.003		.053

40431 DEADMAN LAKE												
M001	7267	1	RG GSFC	.001	.002	.000	.0	.0	.0	.000	.002	-.002

				.001			.0			.001		.002

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES NUM.	CDP NUM.	*		RX m	RY m	RZ m	NX	NY	NZ	RE m	RN m	RU m

40432 ELY												
M001	7286	1	RG GSFC	.000	.000	-.001	.0	.0	.0	.000	.000	-.001
M001	7286	1	RN NOAA	-.006	-.007	.010	-.1	-.1	.1	-.002	.002	.013
M001	7286	1	GA	.000	.000	.000	.0	.0	.0	.000	.000	.000
				-----			-----			-----		
					.005			.1			.001	.008
40433 QUINCY												
M002	7109	1	LC CSR	.002	-.003	.002	.2	-.5	.3	.003	.001	.003
M002	7109	1	CU DUT	.001	.001	.004	.2	.2	.5	.000	.004	.001
M002	7109	1	GA	.000	.000	-.001	-.2	.0	-.5	.000	.000	.000
M004	7221	2	RG GSFC	.001	.014	-.004	.1	.8	-.2	-.006	.005	-.012
M004	7221	2	RN NOAA	.020	.047	-.031	.4	.6	-.4	-.007	.009	-.058
M004	7221	2	PB CODE	.008	.003	.003	.8	.3	.2	.005	.006	-.004
M004	7221	2	PJ JPL	.000	-.004	.002	.0	-.4	.2	.002	-.001	.004
M004	7221	2	GA	.001	.000	.000	.3	.1	.4	.001	.000	.000
M005	7886	3	CU DUT	-.009	.041	-.043	-.3	1.8	-1.6	-.029	-.014	-.051
M005	7886	3	GA	.000	-.001	.001	.0	-.2	.2	.001	.001	.000
				-----			-----			-----		
					.016			.7			.008	.025
40436 SAN DIEGO												
M002	7062	1	LC CSR	.093	.075	-.245	.4	.2	-1.0	.049	-.149	-.223
M002	7062	1	GA	.000	.000	.000	.0	.0	.0	.000	.000	.000
				-----			-----			-----		
					.111			.5			.078	.158
40437 MAMMOTH LAKES												
M001	7259	1	RG GSFC	.002	.003	-.002	.0	.0	.0	.000	.000	-.004
M002	CASA	2	PJ JPL	.000	-.004	.000	.0	-.3	.0	.002	-.002	.003
				-----			-----			-----		
					.002			.1			.001	.004
40438 BEAR LAKE												
M002	7046	1	LC CSR	.005	-.004	.002	.1	-.1	.1	.006	.000	.003
M002	7046	1	CU DUT	.015	.023	.009	.2	.4	.1	.006	.025	-.015
M002	7046	1	GA	.000	.000	.000	.0	.0	.0	.000	.000	.000
				-----			-----			-----		
					.010			.2			.011	.009
40439 OWENS VALLEY												
M004	7853	1	RG GSFC	-.007	-.007	.005	-.5	-.3	.2	-.003	-.002	.011
M004	7853	1	RN NOAA	-.004	.001	-.008	-.2	.0	-.2	-.003	-.007	-.004
M004	7853	1	LC CSR	.006	-.011	.025	.1	-.1	.2	.011	.016	.020
M004	7853	1	CU DUT	-.030	-.118	.133	-.7	-2.9	2.7	.030	.035	.174
M004	7853	1	GA	.000	.000	.000	.1	.1	.0	.000	.000	.000
S002	7207	2	RG GSFC	.004	.011	-.009	.4	.7	-.6	-.001	.000	-.015
S002	7207	2	RN NOAA	-.002	.003	-.006	-.1	.1	-.3	-.003	-.004	-.005
S002	7207	2	RO USNO	.011	.006	-.006	1.3	.6	-.5	.006	.002	-.012

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES	CDP			RX	RY	RZ	NX	NY	NZ	RE	RN	RU
NUM.	NUM.	*		m	m	m				m	m	m
40439 OWENS VALLEY (cont.)												
S002	7207	2 GA		-.003	-.005	.002	-.6	-.6	.2	-.006	.002	.000
S006	7616	3 RG GSFC		-.002	-.006	.003	-.3	-.9	.4	.001	-.002	.007
S006	7616	3 RN NOAA		-.003	-.001	.005	-.3	-.1	.4	-.002	.002	.005
S006	7616	3 RO USNO		-.002	.006	-.002	-.4	1.1	-.3	-.005	.001	-.005
				.031			.9			.011		
40440 WESTFORD												
M001	7091	1 LC CSR		.012	-.053	.048	.5	-1.3	1.1	-.006	-.001	.072
M001	7091	1 GA		.000	.000	.000	.0	.0	.0	.000	.000	.000
S002	7205	2 RG GSFC		-.001	-.006	.005	-.2	-1.0	.8	-.003	.001	.007
S002	7205	2 RN NOAA		-.002	.005	.000	-.3	.4	.0	-.001	.004	-.004
S002	7205	2 RO USNO		.000	-.004	.004	.0	-1.0	.9	-.002	.000	.006
S002	7205	2 GA		.001	.002	.000	.5	.9	-.2	-.002	.000	.000
S003	7209	3 RG GSFC		.000	-.002	.002	-.1	-.6	.5	-.001	.000	.003
S003	7209	3 RN NOAA		-.002	.002	.002	-.2	.2	.2	-.001	.003	-.001
S003	7209	3 RO USNO		-.001	.003	-.002	-.3	1.3	-.8	-.001	.000	-.004
S003	7209	3 GA		-.005	-.007	.002	-1.6	-1.9	.4	-.002	.007	.005
S003	7209	3 GB		.000	.000	.000	.0	.0	.0	.000	.000	.000
S020	WES2	4 PB CODE		.012	-.005	.002	1.2	-.8	.3	.010	-.004	.008
S020	WES2	4 PJ JPL		-.004	.015	-.018	-.6	1.3	-1.8	.001	-.003	-.024
S020	WES2	4 GB		-.022	.053	-.054	-.2	.5	-.5	.048	-.063	-.001
				.017			.9			.015		
40441 GREENBAN												
S001	7204	1 RG GSFC		.000	-.009	.004	-.1	-1.3	.6	-.002	-.002	.009
S001	7204	1 RN NOAA		-.001	.013	.006	-.1	.9	.4	.002	.013	-.006
S001	7204	1 RO USNO		.000	.005	-.001	.0	.9	-.3	.001	.002	-.004
S004	7214	2 RG GSFC		-.006	-.008	.004	-1.2	-1.2	.6	-.008	-.001	.008
S004	7214	2 RN NOAA		-.001	.008	-.001	-.1	.7	-.1	.001	.004	-.007
S004	7214	2 RO USNO		.001	-.004	-.001	.2	-2.2	-.4	.000	-.003	.003
S005	7248	3 RG GSFC		.000	-.007	.006	.0	-.6	.6	-.001	.000	.009
S005	7248	3 RO USNO		.000	.002	-.003	.0	.2	-.4	.000	-.001	-.004
S006	7214	4 RG GSFC		-.001	-.001	.001	-.1	-.3	.3	-.001	.000	.002
				.005			.8			.004		
40442 FORT DAVIS												
M001	7086	1 LC CSR		-.003	-.101	.043	-.1	-2.4	1.2	.022	-.013	.107
M001	7086	1 CU DUT		.021	.026	-.036	3.2	4.5	-4.3	.014	-.016	-.044
M001	7086	1 GA		-.001	-.001	.001	-.6	-.8	.6	.000	.000	.000
M006	7080	2 LC CSR		.002	.000	-.001	.2	-.1	-.2	.002	-.001	-.001
M006	7080	2 CU DUT		-.001	-.008	.007	-.2	-1.4	.9	.000	.002	.010
M006	7080	2 GB		.000	.014	-.010	.1	1.4	-1.6	-.012	-.012	.001
M008	7850	3 RG GSFC		-.005	-.020	.015	-.4	-.5	.6	.000	.002	.025
M008	7850	3 LC CSR		-.001	-.027	.023	.0	-.6	.5	.006	.006	.035
M008	7850	3CU DUT		.001	-.018	.009	.1	-2.4	1.0	.005	.000	.019
M008	7850	3 GA		.002	.006	-.003	.7	1.9	-1.0	.002	-.006	.000

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES NUM.	CDP NUM.	*		RX m	RY m	RZ m	NX	NY	NZ	RE m	RN m	RU m
40442 FORT DAVIS (cont.)												
M008	7850	3	GC	.000	.000	.000	-.3	-.4	.1	.000	.000	.000
M009	7900	4	RG GSFC	.010	-.008	.005	.7	-.2	.2	.012	.002	.007
M009	7900	4	GB	-.002	.000	.000	-.6	.1	.0	-.002	.000	.000
M012	MDO1	5	PB CODE	.007	-.001	.001	.5	-.1	.0	.007	.001	-.001
M012	MDO1	5	PJ JPL	-.006	-.008	.002	-.8	-.7	.3	-.004	-.003	.009
M012	MDO1	5	GC	.002	.003	-.001	.7	1.0	-.4	.003	-.001	.001
S003	7216	6	RG GSFC	-.005	-.018	.012	-1.0	-2.6	1.9	-.001	.001	.022
S003	7216	6	RN NOAA	-.001	.004	.000	-.1	.3	.0	-.002	.002	-.004
S003	7216	6	RO USNO	.002	-.010	.007	.3	-2.1	1.8	.004	.002	.012
S003	7216	6	GA	.005	.017	-.010	1.2	1.4	-1.4	.017	-.011	.001
S003	7216	6	GB	.001	.000	.000	1.1	.4	-.1	.000	.000	.000
S017	7613	7	RG GSFC	-.001	-.003	.003	-.2	-.9	.6	.000	.001	.005
S017	7613	7	RN NOAA	-.002	.005	.000	-.3	.4	.0	-.004	.002	-.004
S017	7613	7	RO USNO	-.001	.000	.001	-.2	.1	.4	-.001	.001	.001
S017	7613	7	GB	-.008	-.005	.004	-2.5	-1.7	1.2	-.009	.002	-.004
				.016			1.5			.007		
				.026								
40445 MAUI												
M001	7210	1	LC CSR	-.009	-.004	.007	-1.8	-.5	.8	.000	.003	.012
M001	7210	1	CU DUT	.032	.012	-.018	5.4	1.5	-1.9	.002	-.005	-.038
M001	7210	1	GA	.000	.000	.000	.0	.0	.0	.000	.000	.000
M002	7120	2	RG GSFC	-.001	.000	-.001	.0	.0	-.1	-.001	-.002	.001
M002	7120	2	GA	.000	.000	.000	.0	.0	.1	.000	.000	.000
				.010			1.9			.002		
				.018								
40449 OCOTILLO												
M001	7270	1	RG GSFC	.001	.005	-.003	.0	.0	.0	-.001	.000	-.006
				.003			.0			.001		
				.006								
40451 WASHINGTON												
M102	7102	1	RG GSFC	.005	.010	-.007	.7	.6	-.5	.008	.000	-.012
M102	7102	1	RN NOAA	.001	.003	-.004	.1	.1	-.1	.002	-.001	-.005
M102	7102	1	RO USNO	.009	-.015	.013	.9	-.5	.5	.005	.000	.021
M102	7102	1	GA	-.003	.000	.001	-1.2	-.2	.2	.000	.000	.004
M105	7105	2	LC CSR	.004	-.001	-.004	.5	-.2	-.5	.004	-.004	-.001
M105	7105	2	CU DUT	-.002	-.004	.005	-.3	-.8	.8	-.003	.002	.006
M105	7105	2	GA	-.001	.000	.000	-.5	.0	-.2	.000	.000	.000
M114	7125	3	LC CSR	.018	.066	.010	.4	1.0	.2	.032	.046	-.041
M114	7125	3	GA	.000	.000	.000	-.1	-.1	-.1	.000	.000	.000
M116	7130	4	LC CSR	.044	-.008	-.001	.3	.0	.0	.041	-.012	.013
M116	7130	4	GA	.000	.000	.000	.0	.0	.0	.000	.000	.000
M117	7920	5	LC CSR	.013	.000	-.013	.2	.0	-.1	.012	-.012	-.006
M117	7920	5	CU DUT	-.010	.005	.000	-1.0	.5	.0	-.009	.004	-.005
M117	7920	5	GA	.001	.000	.000	.3	-.1	.0	.000	.001	.001
M120	7918	6	LC CSR	.016	-.009	-.009	.3	-.1	-.1	.014	-.014	.004
M120	7918	6	CU DUT	-.004	.003	-.005	-.5	.5	-.6	-.003	-.001	-.006

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES NUM.	CDP NUM.	*	RX m	RY m	RZ m	NX	NY	NZ	RE m	RN m	RU m

40451 WASHINGTON (cont.)											
M120	7918	6 GA	.000	-.001	.001	.1	-.2	.3	.000	.001	.000
M121	7919	7 LC CSR	-.011	-.005	.011	.0	.0	.0	-.012	.007	.008
M123	GODE	8 PJ JPL	-.001	.030	-.019	-.1	1.3	-1.0	.006	.004	-.035
M123	GODE	8 GA	.000	-.001	-.001	.0	-.5	-.4	-.001	.000	-.002
M125	7108	9 RG GSFC	-.005	-.004	.002	-.9	-.6	.3	-.006	.000	.004
M125	7108	9 RN NOAA	-.006	.005	.001	-.5	.2	.0	-.005	.004	-.004
M125	7108	9 RO USNO	-.001	-.013	.012	-.2	-1.0	1.1	-.004	.002	.017
M125	7108	9 GA	.006	.003	.001	2.1	1.0	.4	-.004	-.003	.005
			-----			-----			-----		
			.012			.6			.011		
									.013		
40452 BLOOMINGTON											
M001	7291	1 RG GSFC	-.001	.000	.001	.0	.0	.0	-.001	.001	.000
			-----			-----			-----		
			.001			.0			.001		
									.000		
40453 CARROLLTON											
M001	7228	1 RG GSFC	-.001	.000	.001	.0	.0	.0	-.001	.001	.000
			-----			-----			-----		
			.001			.0			.001		
									.000		
40454 LEONARD											
M001	7292	1 RG GSFC	-.001	.000	.000	.0	.0	.0	-.001	.000	.000
			-----			-----			-----		
			.001			.0			.001		
									.000		
40455 MILES CITY											
M001	7038	1 RG GSFC	-.001	.001	.000	.0	.0	.0	-.001	.000	.000
			-----			-----			-----		
			.001			.0			.001		
									.000		
40456 PIETOWN											
M001	PIE1	1 PB CODE	.011	.009	-.005	.9	1.2	-.4	.008	.003	-.013
M001	PIE1	1 PJ JPL	-.004	-.020	.013	-.6	-1.9	1.6	.003	-.001	.024
M001	PIE1	1 GA	-.002	-.004	.002	-.8	-1.3	.8	-.001	.005	-.002
S001	7234	2 RG GSFC	-.001	-.003	.003	-.2	-.7	.6	.000	.001	.004
S001	7234	2 RN NOAA	-.002	.001	.002	-.2	.1	.1	-.002	.002	.000
S001	7234	2 RO USNO	-.001	-.003	.001	-.1	-1.0	.5	.000	.000	.003
S001	7234	2 GA	.000	.001	.000	.3	.5	-.3	.000	.000	.000
			-----			-----			-----		
			.006			1.0			.003		
									.011		
40457 SEATTLE											
M001	7229	1 RG GSFC	.000	-.002	.001	.0	.0	.0	.001	-.001	.001
M001	7229	1 RN NOAA	.006	.015	-.012	.1	.1	-.1	-.003	.004	-.020
			-----			-----			-----		
			.008			.1			.003		
									.014		

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES CDP NUM. NUM. *	RX m	RY m	RZ m	NX	NY	NZ	RE m	RN m	RU m

40463 LOS ALAMOS									
S001 7611 1 RG GSFC	-.001	-.003	.003	-.2	-.7	.6	.000	.001	.004
S001 7611 1 RN NOAA	-.002	.002	.001	-.2	.2	.1	-.002	.002	-.001
S001 7611 1 RO USNO	.000	.000	.001	.0	.1	.2	.000	.001	.000

	.002			.4			.001		.002
40465 NORTH LIBERTY									
M001 NLIB 1 PJ JPL	.000	-.006	.003	.0	-.8	.4	.000	-.002	.006
M001 NLIB 1 GA	.000	.001	.000	.0	.3	-.1	-.001	.000	.000
S001 7612 2 RG GSFC	-.002	-.007	.008	-.4	-.8	1.1	-.002	.001	.010
S001 7612 2 RN NOAA	-.002	.008	-.003	-.2	.5	-.2	-.002	.003	-.008
S001 7612 2 RO USNO	.000	.004	-.005	.0	.9	-1.2	.000	-.001	-.007
S001 7612 2 GA	.000	.000	.000	.0	-.1	.0	.000	.000	.000

	.004			.6			.001		.006
40466 KITT PEAK									
S001 7610 1 RG GSFC	-.001	-.005	.003	-.1	-.5	.3	.001	.000	.006
S001 7610 1 RN NOAA	-.002	.007	-.002	-.2	.4	-.1	-.004	.002	-.006
S001 7610 1 RO USNO	.000	-.002	.002	-.1	-.2	.3	.000	.001	.003

	.003			.3			.002		.005
40471 HANCOCK									
S001 7618 1 RG GSFC	-.002	-.003	.008	-.3	-.5	1.1	-.002	.004	.007
S001 7618 1 RN NOAA	-.003	.017	-.008	-.3	.8	-.5	.003	.005	-.018
S001 7618 1 RO USNO	-.004	.010	-.009	-.6	1.4	-1.3	.000	.001	-.014

	.008			1.0			.003		.014
40473 BREWSTER									
S001 7614 1 RG GSFC	-.004	-.007	.008	-.6	-1.1	1.1	.000	-.001	.011
S001 7614 1 RN NOAA	.004	.010	-.014	.3	.7	-1.0	-.002	-.001	-.018
S001 7614 1 RO USNO	.000	-.001	.002	.0	-.2	.4	.000	.001	.002

	.007			.8			.001		.012
40475 WAIMEA (HAWAII)									
S001 WAIA 1 DH IGN	-.021	-.005	-.016	-.1	.0	-.1	-.004	-.022	.014

	.016			.1			.016		.014
40476 HAWAIIAN VOLCANO									
S001 HVOA 1 DH IGN	.022	-.024	-.003	.1	-.1	.0	.031	.000	-.010

	.019			.1			.022		.010

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES CDP				RX	RY	RZ	NX	NY	NZ	RE	RN	RU
NUM.	NUM.	*		m	m	m				m	m	m

40477 MAUNA KEA												
S001	7617	1	RG GSFC	-.004	-.003	.004	-.7	-.5	.5	.001	.002	.006
S001	7617	1	RN NOAA	.004	.000	.000	.2	.0	.0	.002	.002	-.004
S001	7617	1	RO USNO	.018	.009	-.009	1.9	1.5	-1.5	-.001	-.002	-.022

				.008			1.2			.002		.013
40489 HAT CREEK												
S001	7218	1	RG GSFC	-.001	-.001	.001	-.1	-.1	.1	.000	.000	.002
S001	7218	1	RN NOAA	.000	.002	-.003	.0	.1	-.2	-.002	-.001	-.003
S001	7218	1	RO USNO	.000	-.002	.005	.0	-.2	.5	.001	.003	.005

				.002			.2			.002		.004
40490 MARYLAND POINT												
S001	7217	1	RG GSFC	-.004	-.011	.004	-.4	-.4	.1	-.006	-.003	.010
S001	7217	1	RN NOAA	.000	.054	-.038	.0	.6	-.5	.012	.003	-.065
S001	7217	1	RO USNO	-.002	.001	.007	-.3	.0	.4	-.002	.006	.003

				.023			.4			.006		.038
40491 FLAGSTAFF												
M003	7261	1	RG GSFC	.000	-.001	.004	.0	.0	.1	.000	.003	.003
M003	7261	1	RN NOAA	.021	.058	-.045	.4	.4	-.4	-.002	-.001	-.076
M003	7261	1	GA	.000	.000	.000	.0	.0	.0	.000	.000	.000

				.025			.3			.002		.044
40492 VERNAL												
M002	7290	1	RG GSFC	.000	-.002	.001	.0	-.1	.0	.001	.000	.002
M002	7290	1	RN NOAA	.007	.034	-.024	.2	.3	-.2	-.004	.004	-.042

				.017			.2			.003		.030
40493 YUMA												
M001	7894	1	RG GSFC	.002	.001	-.001	.1	.0	-.1	.002	.000	-.002
M001	7894	1	RN NOAA	.011	.037	-.023	.2	.3	-.2	-.005	.001	-.045
M001	7894	1	LC CSR	.036	.016	.042	.4	.1	.4	.026	.051	-.002

				.024			.3			.023		.026
40496 PLATTEVILLE												
M001	7112	1	LC CSR	.004	.010	-.029	.2	.3	-.8	.001	-.015	-.026
M001	7112	1	CU DUT	.005	-.003	.009	.5	-.3	.8	.006	.006	.007
M001	7112	1	GA	.000	.000	.000	.0	.0	.0	.000	.000	.000

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES CDP				RX	RY	RZ	NX	NY	NZ	RE	RN	RU
NUM.	NUM.	*		m	m	m				m	m	m

40496 PLATTEVILLE (cont.)												
M002	7258	2 RG	GSFC	.000	.012	-.011	.0	.7	-.7	-.003	-.001	-.016
M002	7258	2 RN	NOAA	-.005	.005	.002	-.2	.1	.0	-.006	.004	-.002
M002	7258	2 RO	USNO	.008	.025	-.023	.6	.6	-.6	.001	-.001	-.035
				-----			-----			-----		
				.012			.5			.005		

40497 MONUMENT PEAK												
M001	7110	1 LC	CSR	.002	.000	-.002	.2	.0	-.2	.002	-.001	-.001
M001	7110	1 CU	DUT	.002	-.006	.003	.3	-1.2	.4	.004	.000	.006
M001	7110	1 GA		.000	.000	.000	.4	.0	.2	.000	.000	.000
M003	7274	2 RG	GSFC	.023	.030	-.005	2.2	1.8	-.3	.008	.016	-.034
M003	7274	2 RN	NOAA	.023	.023	-.002	.6	.3	.0	.011	.015	-.027
M003	7274	2 GA		.002	-.001	-.011	.0	.0	-.2	-.001	-.011	-.004
M003	7274	2 GA		-.003	.000	-.001	-1.1	-.1	-.5	.002	-.002	.002
				-----			-----			-----		
				.011			.9			.008		

40498 VLA												
S001	7619	1 RG	GSFC	.000	.004	-.003	.0	.0	.0	-.001	.000	-.004
				-----			-----			-----		
				.003			.0			.001		

40499 RICHMOND												
M002	7295	1 PB	CODE	.011	.014	-.011	1.0	1.4	-.9	.013	-.004	-.016
M002	7295	1 PJ	JPL	.006	-.018	.005	.9	-1.7	.7	.003	-.004	.019
M002	7295	1 LC	CSR	.009	-.012	.000	.7	-.5	.0	.007	-.006	.012
M002	7295	1 CU	DUT	.001	-.009	.000	.1	-.8	.0	-.001	-.004	.008
M002	7295	1 GA		-.001	.001	.001	-.7	.7	1.4	.000	.000	.000
M005	RCM4	2 PB	CODE	.006	.004	-.003	.5	.2	-.2	.007	-.002	-.004
M005	RCM4	2 GA		.000	.000	.000	.0	.0	.0	.000	.000	.000
S001	7219	3 RG	GSFC	.000	-.006	.004	.0	-1.3	.8	-.001	.001	.008
S001	7219	3 RN	NOAA	-.002	.005	.004	-.2	.4	.3	-.001	.006	-.003
S001	7219	3 RO	USNO	.001	-.003	.004	.2	-1.3	1.3	.000	.002	.005
S001	7219	3 GA		.006	.001	-.009	2.0	.3	-4.3	-.001	-.003	-.010
S015	RICA	4 DR	GRGS	-.024	-.009	-.002	-.6	-.4	-.1	-.025	-.004	.004
S015	RICA	4 GA		.003	-.001	.000	.9	-.3	.1	-.002	.002	-.001
S016	RIDA	5 DC	CSR	.005	-.030	.001	.0	-1.0	.0	.000	-.012	.028
S016	RIDA	5 DR	GRGS	-.006	-.015	-.001	-.2	-.6	-.1	-.009	-.007	.012
S016	RIDA	5 DH	IGN	-.008	.025	-.006	-.2	.7	-.2	-.003	.005	-.026
S016	RIDA	5 GA		-.003	.001	.000	-.8	.3	-.1	.001	-.002	.001
S018	RCM5	6 PB	CODE	.013	.018	-.014	.9	3.1	-1.2	.015	-.006	-.020
S018	RCM5	6 PE	EMR	.006	.039	.017	.2	.7	.3	.012	.032	-.027
S018	RCM5	6 PJ	JPL	.002	.039	-.022	.1	1.6	-1.7	.008	-.003	-.044
S018	RCM5	6 GA		-.001	-.007	.008	-.3	-2.2	2.7	-.004	.009	.005
				-----			-----			-----		
				.012			1.3			.008		

Table T12. (cont.)

**RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0**

DOMES CDP				RX	RY	RZ	NX	NY	NZ	RE	RN	RU	
NUM.	NUM.	*		m	m	m				m	m	m	

40503 SOCORRO ISLAND													
S003	SODA	1	DC	CSR	.003	.021	.014	.0	.5	.5	-.004	.020	-.015
S003	SODA	1	DR	GRGS	.015	-.108	-.033	.3	-2.9	-1.4	.053	-.062	.079
S003	SODA	1	DH	IGN	-.014	.035	.025	-.3	1.0	.9	-.026	.032	-.018
S003	SODA	1	GA		.000	.000	.000	.0	.0	.0	.000	.000	.000

					.036		1.2			.033		.041	
40504 MAZATLAN													
M001	7122	1	LC	CSR	-.005	-.011	.007	-.5	-.8	.6	-.002	.002	.014
M001	7122	1	CU	DUT	.002	.000	-.005	.3	.0	-.7	.002	-.005	-.002

					.006		.6			.003		.010	
40505 CABO SAN LUCAS													
M001	7882	1	LC	CSR	-.009	-.020	.010	-.5	-.7	.5	-.001	.001	.024
M001	7882	1	CU	DUT	.015	.004	-.010	.5	.2	-.4	.012	-.006	-.012

					.012		.6			.007		.019	
40506 ENSENADA													
M001	7883	1	LC	CSR	.002	-.010	.005	.1	-.4	.2	.006	.000	.009
M001	7883	1	CU	DUT	-.010	.006	-.002	-.5	.4	-.1	-.012	-.001	-.002

					.007		.4			.007		.007	
40701 SANTIAGO DE CUBA													
S001	1953	1	LC	CSR	.031	-.069	.004	.3	-.3	.0	.014	-.021	.072
S001	1953	1	CU	DUT	-.106	.072	.159	-.4	.4	.7	-.084	.182	-.036

					.089		.5			.101		.057	
41507 RIO GRANDE													
S003	RIOA	1	DC	CSR	-.007	-.005	.006	-.1	-.2	.4	-.009	.005	-.004
S003	RIOA	1	DR	GRGS	-.024	-.003	.008	-.9	-.2	.4	-.024	-.001	-.010
S003	RIOA	1	DH	IGN	.015	-.005	-.018	.5	-.2	-.7	.012	-.002	.021
S003	RIOA	1	GA		.000	.000	.000	.0	.0	.0	.000	.000	.000
S004	RIOB	2	DH	IGN	.055	.000	-.012	.9	.0	-.2	.050	.010	.022
S004	RIOB	2	GA		.000	.000	.000	.0	.0	.0	.000	.000	.000

					.016		.5			.017		.013	

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES NUM.	CDP NUM.	*		RX m	RY m	RZ m	NX	NY	NZ	RE m	RN m	RU m

41602 FORTALEZA												
M001	FORT	1 PB	CODE	.017	-.018	-.001	1.0	-.9	-.1	-.004	.000	.024
M001	FORT	1 PE	EMR	-.014	.003	.061	-.2	.1	1.2	-.006	.060	-.017
M001	FORT	1 PJ	JPL	-.013	-.008	-.002	-.8	-.6	-.4	-.014	-.003	-.005
M001	FORT	1 GA		.000	.000	.000	-.1	.3	-.2	.000	.000	.000
S001	7297	2 RG	GSFC	-.016	.011	-.004	-1.5	1.1	-.6	-.001	-.005	-.019
S001	7297	2 RN	NOAA	.000	.011	.007	.0	.6	.4	.008	.007	-.008
S001	7297	2 RO	USNO	-.011	.009	.000	-1.2	1.3	.0	.000	-.001	-.014
S001	7297	2 GA		.001	-.002	.001	.4	-.8	.4	.002	.002	-.001
				-----			-----			-----		
				.015			.9			.016		
										.014		
41609 CACHOEIRA PAULIS												
S001	CACB	1 DC	CSR	.017	-.044	.015	.2	-.6	.6	-.019	.031	.034
S001	CACB	1 DR	GRGS	.019	.060	-.016	.5	1.5	-.7	.056	-.026	-.021
S001	CACB	1 DH	IGN	-.027	-.033	.010	-.7	-.7	.3	-.043	.011	.000
				-----			-----			-----		
				.031			.9			.034		
										.023		
41703 EASTER ISLAND												
M002	7097	1 LC	CSR	.006	.021	.003	.2	.4	.1	-.001	-.007	-.021
M002	7097	1 CU	DUT	-.017	.013	-.001	-1.7	1.4	-.1	-.020	-.004	-.005
M002	7097	1 GA		.000	.000	.000	.2	-.2	.0	.000	.000	.000
M003	EISL	2 PB	CODE	.012	-.008	.000	.7	-.5	.0	.014	.002	.004
M003	EISL	2 GA		-.001	.000	.001	-.5	.0	.3	.001	.000	-.002
S008	EASA	3 DC	CSR	.024	-.015	.011	.3	-.4	.5	.028	.013	.001
S008	EASA	3 DR	GRGS	-.059	-.010	-.008	-1.8	-.5	-.5	-.052	.006	.030
S008	EASA	3 DH	IGN	.038	-.035	.013	1.0	-1.2	.5	.048	.021	.012
S008	EASA	3 GA		.000	.001	-.001	.0	.5	-.3	-.001	-.001	.001
				-----			-----			-----		
				.018			.8			.020		
										.013		
41705 SANTIAGO												
M003	SANT	1 PB	CODE	-.008	-.003	-.007	-.4	-.2	-.6	-.009	-.006	.004
M003	SANT	1 PE	EMR	-.012	.014	.067	-.6	.9	1.3	-.007	.047	-.051
M003	SANT	1 PJ	JPL	-.016	-.003	.003	-1.8	-.3	.3	-.016	.001	-.003
M003	SANT	1 GA		.000	.000	.000	.4	.1	-.3	.000	.000	.000
S006	1404	2 RG	GSFC	.005	-.008	-.012	.7	-.8	-1.4	.002	-.005	.014
S006	1404	2 RN	NOAA	.005	.000	.007	.3	.0	.4	.005	.006	-.002
S006	1404	2 RO	USNO	.006	-.002	-.005	1.0	-.4	-1.1	.005	-.002	.006
S006	1404	2 GA		-.003	-.001	.003	-1.0	-.2	.9	.003	.001	-.003
S006	1404	2 GA		.062	-.046	.024	.6	-.5	.2	.074	-.001	.032
S007	SANA	3 DC	CSR	.001	-.005	-.014	.0	-.1	-.6	-.001	-.009	.012
S007	SANA	3 DR	GRGS	.052	.019	.006	1.2	.7	.3	.055	.005	-.004
S007	SANA	3 DH	IGN	-.035	-.014	-.001	-.9	-.4	.0	-.038	.000	.001
S007	SANA	3 GA		.000	.000	.000	.0	.0	.0	.000	.000	.000
				-----			-----			-----		
				.021			.8			.022		
										.018		

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES CDP				RX	RY	RZ	NX	NY	NZ	RE	RN	RU
NUM.	NUM.	*		m	m	m				m	m	m

41706 CERRO TOLOLO												
M001	7401	1	LC CSR	-.015	.049	.020	-.7	1.3	.7	.001	-.008	-.054
M001	7401	1	CU DUT	-.002	-.011	-.009	-.1	-.6	-.3	-.006	-.003	.013
				.023			.8			.005		.039

41709 SEST												
S001	7239	1	RG GSFC	-.020	-.012	-.025	-.5	-.2	-.6	-.022	-.020	.016
S001	7239	1	RN NOAA	-.023	.032	.002	-.5	.4	.1	-.011	-.016	-.034
S001	7239	1	RO USNO	.003	.011	.018	.1	.2	.4	.006	.011	-.017
				.019			.4			.015		.024

41901 BOGOTA												
M001	BOGT	1	PB CODE	.005	-.005	-.002	.3	-.3	-.1	.004	-.002	.006
				.004			.3			.003		.006

42004 SAN CRISTOBAL												
S001	GALA	1	DC CSR	-.004	.001	.001	.0	.0	.0	-.004	.001	-.001
S001	GALA	1	DR GRGS	-.057	.012	-.014	-.8	.3	-.5	-.057	-.014	-.012
S001	GALA	1	DH IGN	.008	-.022	.009	.1	-.5	.3	.008	.009	.022
				.022			.4			.025		.014

42202 AREQUIPA												
M003	7403	1	LC CSR	.001	.007	-.008	.1	.7	-.9	.003	-.010	-.003
M003	7403	1	CU DUT	-.006	-.013	-.003	-.5	-1.4	-.2	-.010	.000	.011
M003	7403	1	GA	.000	.000	.000	-.2	-.1	.3	.000	.000	.000
M004	AREQ	2	PB CODE	.007	-.007	.002	.3	-.2	.1	.004	.004	.008
M004	AREQ	2	GA	.000	.001	-.002	-.1	.2	-.6	-.001	-.002	.000
M005	AREQ	3	PB CODE	.003	-.007	-.001	.2	-.5	-.1	.001	.001	.007
M005	AREQ	3	PE EMR	-.002	.019	.050	.0	.2	.8	.004	.042	-.032
M005	AREQ	3	GA	.001	.001	-.003	.2	.4	-.9	.001	-.002	-.002
S001	7907	4	LC CSR	-.028	.037	-.026	-1.0	.8	-1.0	-.014	-.037	-.035
S001	7907	4	CU DUT	-.022	.014	-.031	-2.1	1.5	-2.8	-.016	-.035	-.011
S001	7907	4	GA	.002	-.002	.003	.7	-.6	.9	.002	.002	-.002
S005	AREA	5	DC CSR	.028	-.031	.016	.2	-.5	.3	.017	.026	.032
S005	AREA	5	DR GRGS	.101	-.031	.018	1.6	-.8	.7	.086	.035	.054
S005	AREA	5	DH IGN	.024	-.025	.021	.2	-.4	.3	.015	.029	.024
S005	AREA	5	GA	.000	.001	-.001	-.1	.2	-.2	-.001	-.001	.000
				.023			.9			.023		.022

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES	CDP				RX	RY	RZ	NX	NY	NZ	RE	RN	RU
NUM.	NUM.	*			m	m	m				m	m	m
42501 BERMUDA													
M002	7294	1	RG	GSFC	-.001	.000	.001	.0	.0	.0	-.001	.001	.000
S004	BRMU	2	PB	CODE	.008	.000	-.004	.7	-.1	-.4	.007	-.006	.001
S004	BRMU	2	PJ	JPL	-.003	.009	-.008	-.5	1.0	-1.2	.001	-.002	-.013
S004	BRMU	2	CU	DUT	.002	-.031	.013	.2	-2.1	.9	-.011	-.004	.031
					.011			1.0			.005		
											.017		
43201 SAINTE CROIX													
S001	7615	1	RG	GSFC	-.001	.002	.006	-.1	.2	.7	.000	.006	.000
S001	7615	1	RN	NOAA	.002	.015	.004	.1	.5	.2	.009	.008	-.011
S001	7615	1	RO	USNO	.001	-.006	.000	.1	-.6	.0	-.002	-.002	.005
					.006			.4			.007		
50103 CANBERRA													
M108	TIDB	1	PB	CODE	-.010	.019	.017	-.7	1.2	1.4	-.011	.024	.005
M108	TIDB	1	PE	EMR	.016	-.008	.057	.9	-.4	1.2	-.001	.037	-.048
M108	TIDB	1	PJ	JPL	.013	-.004	.004	1.4	-.5	.5	-.003	-.004	-.013
M108	TIDB	1	GB		.000	-.001	-.003	-.1	-.3	-.9	.000	-.002	.002
S001	1543	2	RG	GSFC	-.326	.281	-.339	-.3	.4	-.2	-.073	-.032	.542
S001	1543	2	RJ	JPL	.044	-.010	.031	2.5	-.9	2.5	-.014	.001	-.053
S001	1543	2	GB		-.003	.001	-.001	-.9	.4	-.5	-.003	-.002	.000
S005	1542	3	RJ	JPL	.074	-.027	.086	2.8	-1.5	4.0	-.015	.026	-.113
S005	1542	3	GB		.000	.000	-.002	.1	.0	-.6	.000	-.002	.001
S007	7843	4	LC	CSR	.016	-.006	.014	1.6	-.7	1.3	-.003	.002	-.023
S007	7843	4	CU	DUT	-.021	-.003	-.012	-1.8	-.3	-1.0	.014	.000	.020
S007	7843	4	GA		.000	.000	.000	-.2	.1	.2	.000	.000	.000
S010	1545	5	RG	GSFC	-.011	.003	-.009	-1.2	.4	-1.2	.003	-.001	.014
S010	1545	5	RJ	JPL	.002	.000	.001	.2	.0	.1	-.001	.000	-.002
S010	1545	5	RN	NOAA	-.004	.003	.010	-.2	.1	.7	-.001	.011	-.002
S010	1545	5	RO	USNO	.007	-.003	.002	.8	-.5	.3	-.001	-.003	-.007
S010	1545	5	GA		.022	-.005	.029	.8	-.2	1.1	-.002	.035	.011
S010	1545	5	GB		.000	.000	.001	.3	.0	.7	.000	.000	.000
S201	ORRA	6	DC	CSR	-.013	.013	.029	-.3	.2	1.3	-.004	.034	-.003
S201	ORRA	6	DR	GRGS	-.015	.034	.039	-.2	.5	.8	-.022	.050	.002
S201	ORRA	6	DH	IGN	-.044	.019	.040	-1.4	.5	1.4	.007	.060	.015
S201	ORRA	6	GA		.001	-.001	-.002	.4	-.3	-.7	.001	-.001	.002
					.071			1.2			.021		
											.119		
50107 YARRAGADEE													
M001	7090	1	LC	CSR	-.001	.001	.004	-.2	.1	.5	.001	.004	-.001
M001	7090	1	CU	DUT	-.010	-.007	-.004	-1.1	-.9	-.4	.012	-.004	.000
M001	7090	1	GA		.000	.000	.000	.1	.2	-.1	.000	.000	.000
M004	YAR1	2	PB	CODE	-.011	.020	.018	-.7	1.4	1.4	.002	.027	.011
M004	YAR1	2	PE	EMR	.014	-.002	.045	.6	-.1	.9	-.011	.035	-.028
M004	YAR1	2	PJ	JPL	.004	.002	.003	.4	.2	.4	-.004	.003	-.001
M004	YAR1	2	GA		-.002	-.001	.003	-.6	-.3	.9	.000	.003	.001
S006	YARA	3	DC	CSR	-.036	.006	.014	-.4	.1	.7	.030	.023	.011
S006	YARA	3	DR	GRGS	-.008	-.013	.055	-.1	-.3	1.5	.013	.044	-.034

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES	CDP				RX	RY	RZ	NX	NY	NZ	RE	RN	RU
NUM.	NUM.	*			m	m	m				m	m	m
50107 YARRAGADEE (cont.)													
S006	YARA	3	DH	IGN	-.043	.005	.041	-1.2	.2	1.4	.037	.047	.000
S006	YARA	3	GA		.001	-.001	-.002	.4	-.3	-.7	-.001	-.001	-.002
					.019			.8			.021		.014
50108 PARKES													
S001	7202	1	RG	GSFC	-.002	.000	-.002	.0	.0	-.1	.001	-.001	.003
S001	7202	1	RO	USNO	-.013	.007	-.009	-.1	.1	-.1	.001	.000	.018
					.007			.1			.001		.013
50116 HOBART													
M003	HOB1	1	PB	CODE	-.008	.020	.016	-.5	1.2	1.3	-.012	.024	.002
M003	HOB1	1	PJ	JPL	.018	-.002	.008	.9	-.1	.4	-.008	-.005	-.017
M004	HOB2	2	PB	CODE	-.008	.010	.008	-.6	.7	.7	-.004	.014	.003
S002	7242	3	RG	GSFC	-.006	.001	-.006	-.7	.1	-.8	.002	-.001	.008
S002	7242	3	RN	NOAA	.006	-.003	.021	.3	-.1	1.5	-.001	.011	-.019
S002	7242	3	RO	USNO	-.001	.001	-.004	-.1	.4	-.9	-.001	-.002	.003
					.010			.9			.010		.011
50501 GUAM													
S001	GUAB	1	DH	IGN	-.006	-.008	-.003	.0	-.1	.0	.010	-.003	.000
					.006			.1			.007		.000
50505 KWAJALEIN ATOLL													
S003	4968	1	RG	GSFC	-.002	.000	.000	-.1	.0	.0	.001	.000	.002
S003	4968	1	RN	NOAA	-.011	.007	.004	-.1	.1	.1	-.004	.002	.013
S003	4968	1	RO	USNO	.013	-.004	-.002	.2	-.2	-.1	.001	.000	-.013
S003	4968	1	GA		.000	.000	.000	.0	.0	.0	.000	.000	.000
					.006			.1			.002		.009
51001 PORT MORESBY													
S001	MORA	1	DC	CSR	.001	-.005	-.005	.0	-.1	-.2	.004	-.005	-.003
S001	MORA	1	DR	GRGS	-.029	.003	.001	-.9	.1	.1	.013	.005	.025
S001	MORA	1	DH	IGN	.035	.020	.014	1.0	.5	.5	-.035	.011	-.020
					.017			.6			.016		.019

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES CDP NUM. NUM. *	RX m	RY m	RZ m	NX	NY	NZ	RE m	RN m	RU m

66001 MC MURDO									
M001 MCMU 1 PB CODE	-.007	.019	-.006	-.4	1.0	-.3	-.017	.010	.008
M001 MCMU 1 PJ JPL	.001	-.003	.010	.2	-.5	.8	.003	.000	-.010
M003 MCM4 2 PB CODE	-.009	.009	.008	-.5	.5	.3	-.006	.012	-.005
S006 MCM2 3 PB CODE	-.007	.025	.002	-.3	.9	.1	-.023	.013	.001
S006 MCM2 3 PE EMR	.020	-.006	.085	.6	-.2	1.0	.001	-.002	-.088
S006 MCM2 3 PJ JPL	-.004	-.008	.005	-.1	-.3	.1	.008	.003	-.004

	.023			.6			.011		.036
66006 SYOWA									
S001 SYOB 1 DC CSR	-.019	-.026	-.034	-.4	-.6	-.8	-.008	-.042	.020
S001 SYOB 1 DR GRGS	.030	-.028	.075	.7	-.7	1.6	-.040	.032	-.068
S001 SYOB 1 DH IGN	-.030	.012	-.042	-.9	.3	-1.0	.028	-.030	.034

	.037			1.0			.032		.045
66007 ROTHERA									
S001 ROTA 1 DC CSR	-.018	.002	.003	-.4	.1	.1	-.016	-.006	-.006
S001 ROTA 1 DR GRGS	-.032	-.015	.004	-1.4	-.8	.2	-.035	.004	-.003
S001 ROTA 1 DH IGN	.014	.015	-.016	.6	.5	-.6	.019	-.014	.012

	.016			.8			.019		.008
66008 O'HIGGIN									
M001 OHIG 1 PB CODE	-.021	.020	.061	-1.0	.9	2.3	-.007	.002	-.067
M001 OHIG 1 GA	.000	.001	-.001	.1	.3	-.4	.001	-.001	-.001
S001 7245 2 RG GSFC	-.004	-.007	-.024	-.3	-.4	-1.0	-.007	-.007	.023
S001 7245 2 RN NOAA	.015	.003	-.012	.6	.1	-.5	.014	-.001	.013
S001 7245 2 RO USNO	.007	-.011	-.033	.5	-.6	-.8	.000	-.003	.036
S001 7245 2 GA	.000	.000	.000	.0	-.1	.1	.000	.000	.000

	.019			.9			.005		.033
66010 DAVIS									
M001 DAV1 1 PB CODE	-.012	.011	.007	-.7	.6	.5	.014	.010	-.003
M001 DAV1 1 PE EMR	.018	.043	.016	.2	.4	.1	-.008	.048	.002

	.021			.6			.026		.003
66011 CASEY									
M001 CAS1 1 PB CODE	-.011	.011	.007	-.7	.6	.6	.006	.015	-.001

	.010			.7			.011		.001

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES CDP				RX	RY	RZ	NX	NY	NZ	RE	RN	RU
NUM.	NUM.	*		m	m	m				m	m	m

91201 KERGUELEN												
M002	KERG	1	PB CODE	-.014	.011	.006	-1.0	.6	.5	.017	.008	-.001
M002	KERG	1	GA	.000	.000	.000	.2	-.1	.0	.000	.000	.000
S002	KERA	2	DC CSR	.022	-.022	-.001	.3	-.7	-.1	-.029	-.011	-.008
S002	KERA	2	DR GRGS	.072	-.033	.011	2.5	-1.7	.5	-.079	.002	-.012
S002	KERA	2	DH IGN	.006	.006	-.012	.2	.2	-.5	-.003	-.002	.014
S002	KERA	2	GA	-.002	.001	.000	-.6	.3	.1	-.001	.001	.002
S003	KERB	3	DH IGN	-.019	-.018	.003	-.3	-.3	.1	.012	-.016	-.018
S003	KERB	3	GA	.000	.000	.000	.0	.0	.0	.000	.000	.000
				-----			-----			-----		
				.019			.8			.022		
										.010		
91401 AMSTERDAM												
S001	AMSA	1	DC CSR	-.020	-.008	-.003	-.2	-.3	-.1	.017	-.010	-.008
S001	AMSA	1	DR GRGS	.068	-.015	.009	1.9	-.7	.5	-.070	.007	-.005
S001	AMSA	1	DH IGN	-.033	.011	-.013	-.9	.4	-.5	.035	-.008	.011
				-----			-----			-----		
				.027			.9			.033		
										.008		
91501 ILE DES PETRELS												
S001	ADEA	1	DC CSR	.025	-.011	-.030	.8	-.3	-1.5	-.008	-.036	.017
S001	ADEA	1	DR GRGS	.003	.018	.013	.2	1.2	1.0	-.016	.014	-.008
S001	ADEA	1	DH IGN	.017	-.027	-.018	.9	-1.1	-.8	.010	-.035	.005
				-----			-----			-----		
				.020			1.1			.023		
										.011		
92201 PAMATAI												
M003	PAMA	1	PB CODE	.006	.007	.023	.2	.2	1.2	-.003	.019	-.015
M003	PAMA	1	PE EMR	.024	-.177	.060	.1	-.5	.4	.165	.078	.048
M003	PAMA	1	PJ JPL	-.006	-.007	-.007	-.5	-.6	-1.0	.003	-.004	.010
				-----			-----			-----		
				.063			.7			.075		
										.030		
92202 HUAHINE												
M002	7121	1	CU DUT	-.038	.008	-.009	-3.1	.6	-.6	-.025	-.001	.030
M002	7121	1	GA	.002	.000	.000	.8	-.1	.1	-.001	.000	.002
M004	7123	2	LC CSR	.011	.016	-.006	.1	.3	-.2	-.009	-.011	-.015
M004	7123	2	CU DUT	.001	-.006	.007	.1	-.7	.7	.006	.007	.000
M004	7123	2	GA	.000	.000	.000	.0	.1	-.1	.000	.000	.000
S009	HUAA	3	DC CSR	.028	.019	.009	.5	.2	.4	-.003	-.001	-.034
S009	HUAA	3	DR GRGS	.084	-.090	.003	3.0	-2.3	.2	.119	-.005	-.030
S009	HUAA	3	DH IGN	.009	.046	-.005	.3	1.2	-.3	-.036	-.014	-.028
S009	HUAA	3	GA	-.002	.000	.000	-.7	-.1	.0	.002	.000	.001
				-----			-----			-----		
				.028			1.2			.030		
										.021		

Table T12. (cont.)

RESIDUALS AND STATISTICS OF THE ITRF94 STATION COORDINATES COMBINATION
AT 1993.0

DOMES	CDP				RX	RY	RZ	NX	NY	NZ	RE	RN	RU
NUM.	NUM.	*			m	m	m				m	m	m

92701 NOUMEA													
S001	NOUA	1	DC	CSR	.000	-.031	-.024	.0	-.3	-.8	.030	-.025	.002
S001	NOUA	1	DR	GRGS	.000	.014	.013	.0	.3	.6	-.014	.013	-.002
S001	NOUA	1	DH	IGN	.002	.023	-.003	.1	.4	-.1	-.023	-.002	.005
					-----			-----			-----		
					.016			.4			.020		
											.003		

92901 WALLIS													
S001	WALA	1	DC	CSR	.002	-.015	.002	.1	-.1	.1	.015	.001	-.001
S001	WALA	1	DR	GRGS	-.014	-.016	-.003	-.6	-.4	-.1	.016	.001	.016
S001	WALA	1	DH	IGN	.002	.043	.004	.1	1.0	.2	-.042	.002	-.006
					-----			-----			-----		
					.017			.5			.019		
											.010		

97301 KOUROU													
M210	KOUR	1	PB	CODE	.005	-.003	-.002	.3	-.3	-.2	.002	-.002	.005
M210	KOUR	1	PJ	JPL	.004	-.014	-.002	.4	-1.4	-.4	-.005	-.003	.013
M210	KOUR	1	GA		.000	.000	.000	.0	.0	.0	.000	.000	.000
S004	KRUB	2	DC	CSR	.040	-.015	-.036	.5	-.2	-1.5	.023	-.039	.033
S004	KRUB	2	DR	GRGS	-.024	.039	.008	-.7	1.3	.5	.005	.012	-.045
S004	KRUB	2	DH	IGN	.002	-.031	-.004	.1	-.9	-.1	-.017	-.007	.026
S004	KRUB	2	GA		.004	-.003	-.016	.2	-.1	-.6	-.004	-.011	.012
S005	KRUA	3	DR	GRGS	-.022	.038	.006	-.6	1.3	.4	.005	.010	-.043
S005	KRUA	3	GA		-.009	-.007	.003	-.4	-.3	.1	-.001	-.006	-.010
					-----			-----			-----		
					.018			.7			.013		
											.026		

97401 LA REUNION													
S001	REUA	1	DC	CSR	.010	-.010	-.009	.1	-.2	-.4	-.014	-.010	.001
S001	REUA	1	DR	GRGS	-.013	.005	.016	-.4	.2	.9	.014	.014	-.008
S001	REUA	1	DH	IGN	.017	-.009	-.016	.5	-.3	-.6	-.019	-.014	.007
					-----			-----			-----		
					.012			.5			.014		
											.006		

(*)

RG: SSC(GSFC) 95 R 01
 RJ: SSC(JPL) 95 R 01
 RN: SSC(NOAA) 95 R 01
 RO: SSC(USNO) 95 R 04

PB: SSC(CODE) 95 P 02
 PE: SSC(EMR) 95 P 02
 PJ: SSC(JPL) 95 P 02

LC: SSC(CSR) 95 L 01
 CU: SSC(DUT) 95 C 02

DC: SSC(CSR) 95 D 01
 DR: SSC(GRGS) 95 D 01
 DH: SSC(IGN) 95 D 02

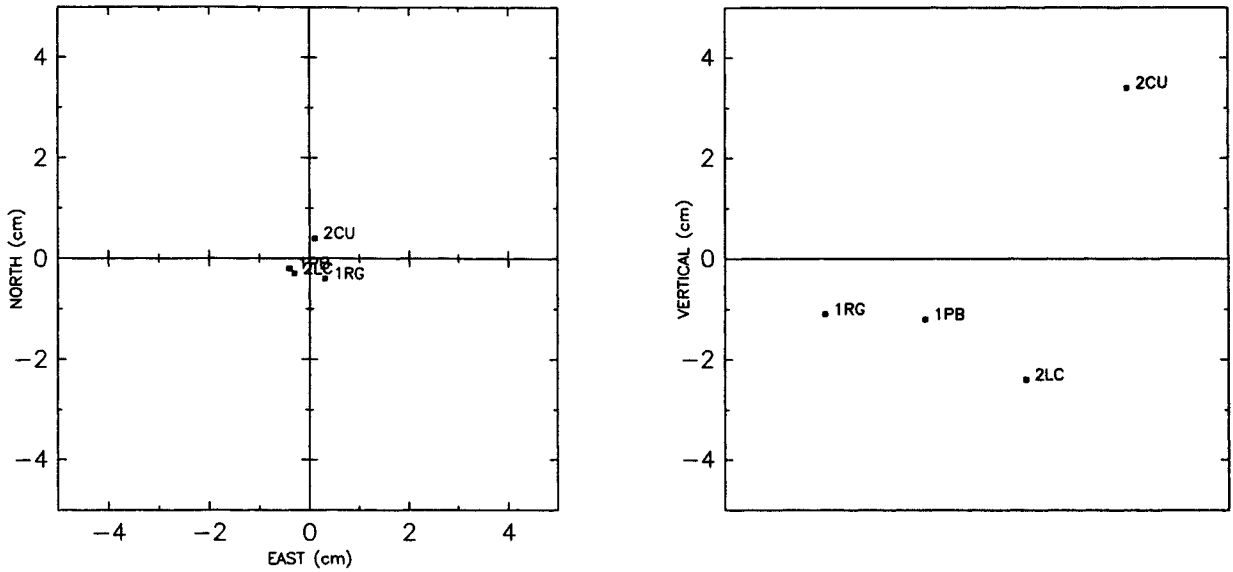
ITRF94 POSITION AND VELOCITY RESIDUALS PER SOLUTION, FOR CLASS A AND B STATIONS

The following figures ordered by DOMES number show the following:

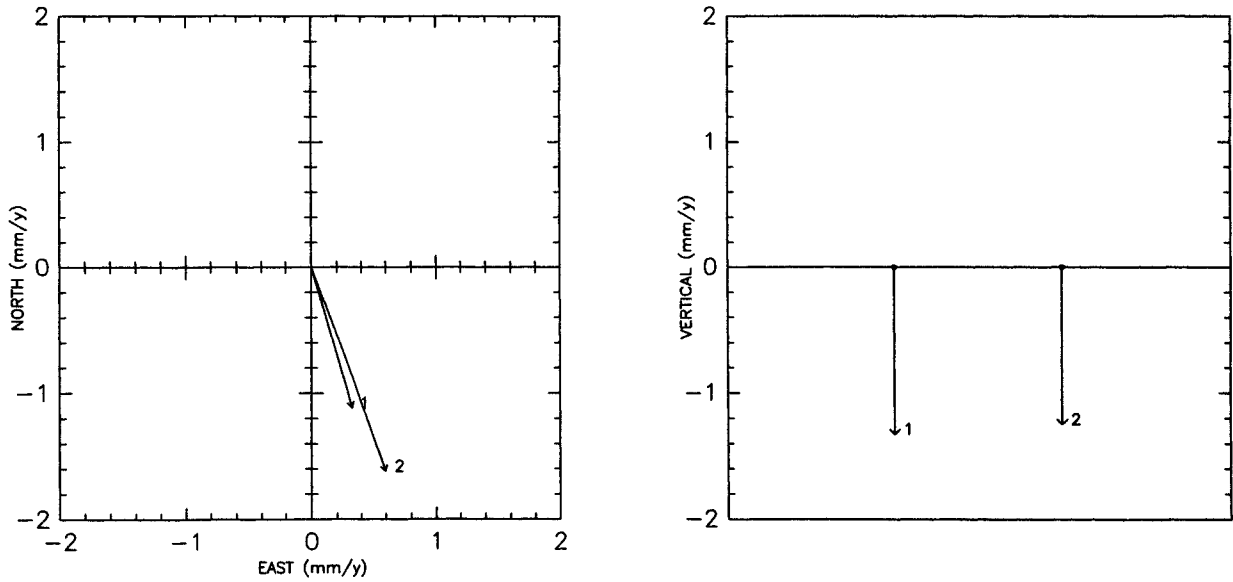
- Station position residuals (in cm) in the local frame, derived from the ITRF94 combination at epoch 1993.0. Residuals larger than 5 cm are not shown. Each point is represented by an alphanumeric code:
 - the first number represents a sequential point number within the site (see Table T12 of the Appendix, p. T-93.),
 - the second character represents the technique (R for VLBI, P for GPS, L for SLR and D for DORIS),
 - the third character represents the analysis center (see Table 1, p. 4).
- Station velocity residuals (in mm/year) with respect to the geophysical model NNR-NUVEL1A. The vectors are represented by a sequential point number within the site. As no vertical velocity is predicted by NNR-NUVEL1A, the vertical velocity residual is in fact the vertical velocity estimated in the ITRF94 combination.

10002 GRASSE

POSITION RESIDUALS (cm) AT 93.0



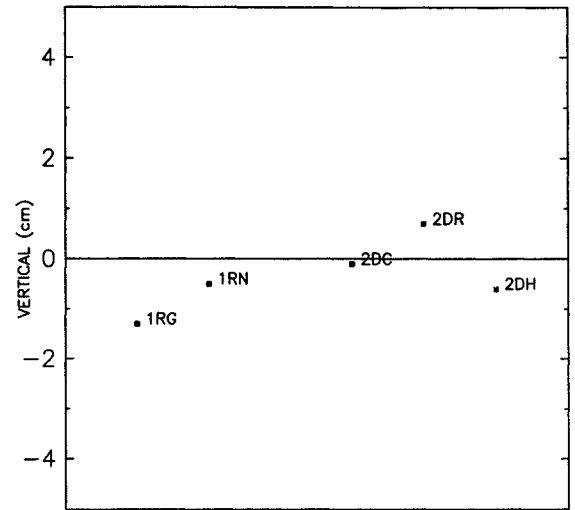
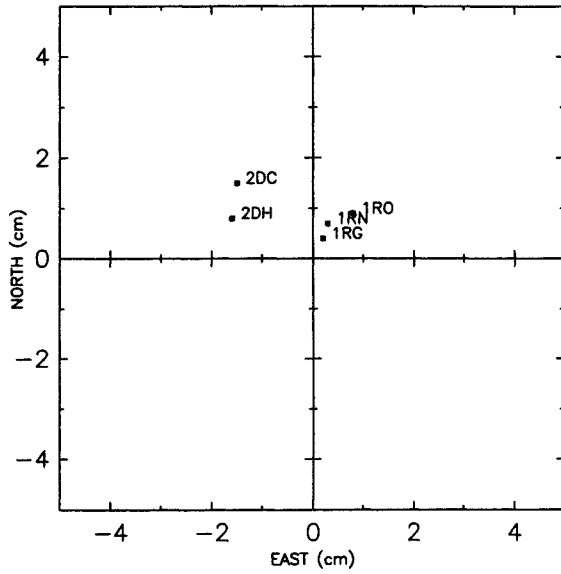
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



1: M003 B*
2: S001 B*

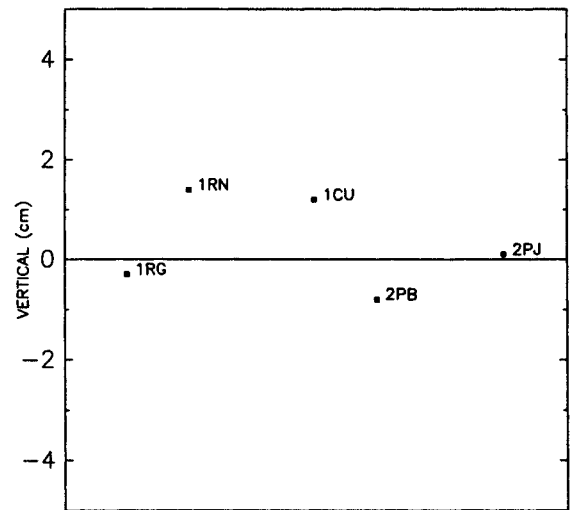
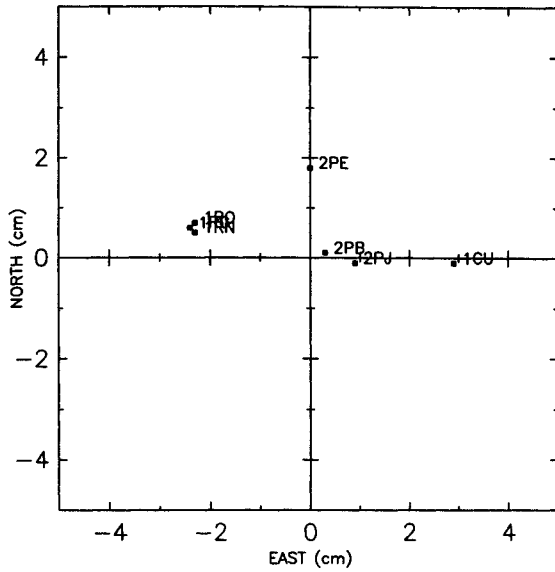
10003 TOULOUSE

POSITION RESIDUALS (cm) AT 93.0

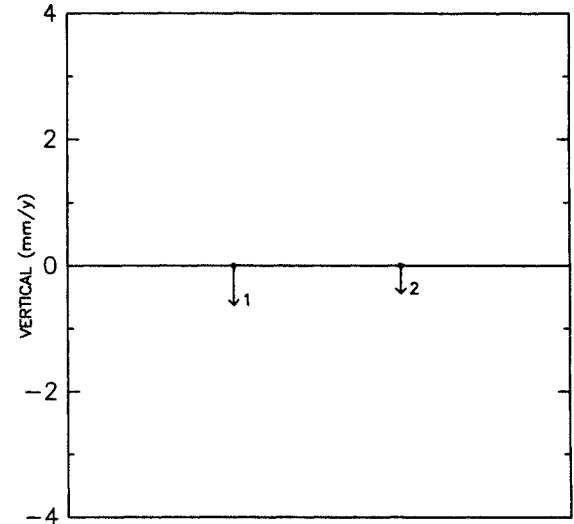
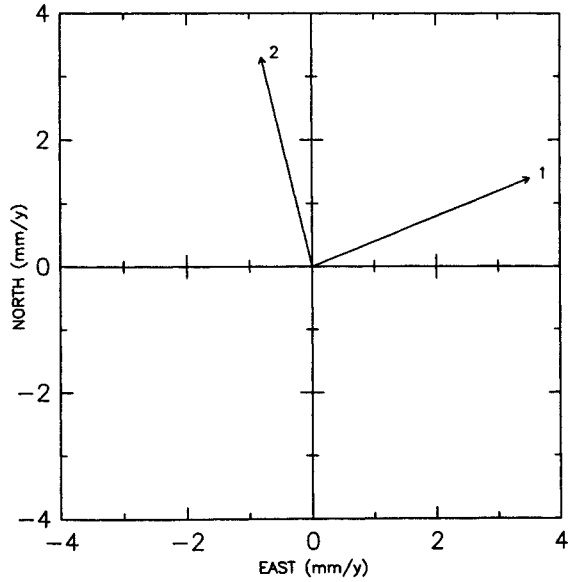


10302 TROMSO

POSITION RESIDUALS (cm) AT 93.0



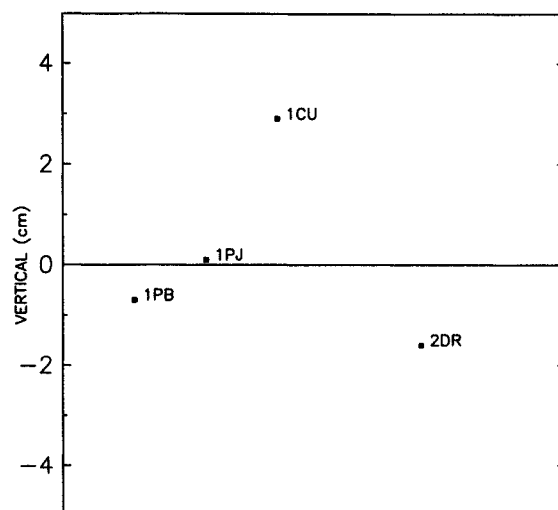
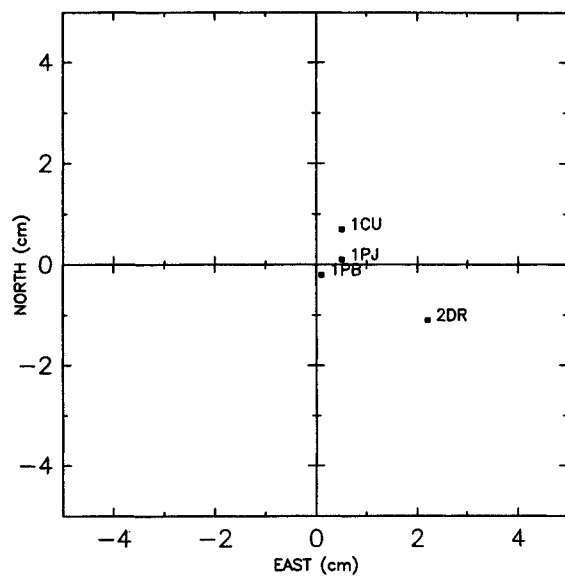
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



1: M002 B*
2: M003 B*

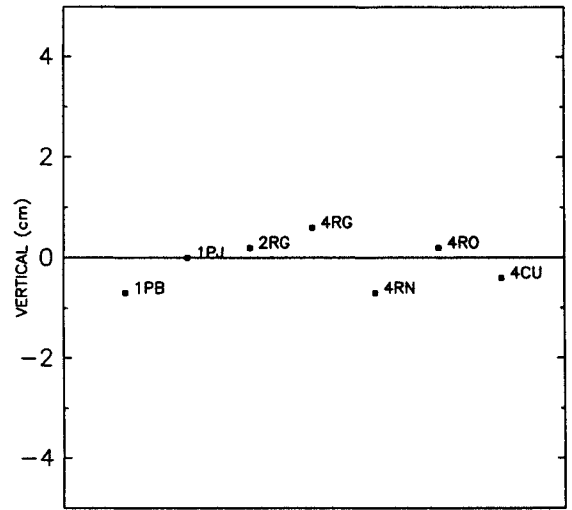
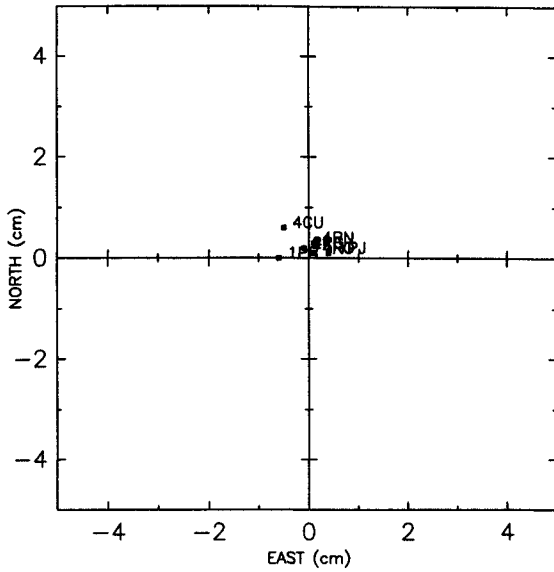
10317 NY-ALESUND

POSITION RESIDUALS (cm) AT 93.0

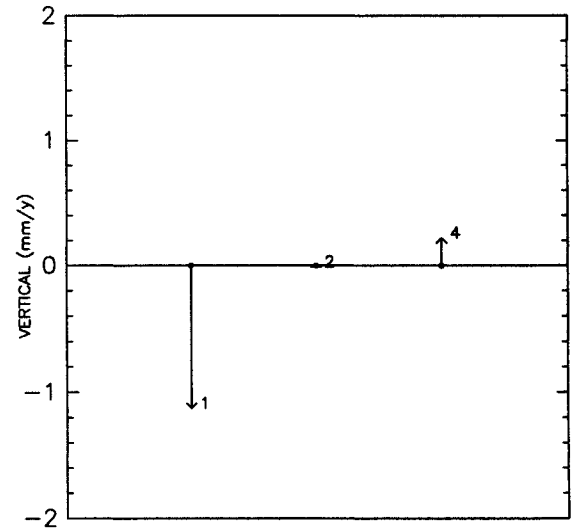
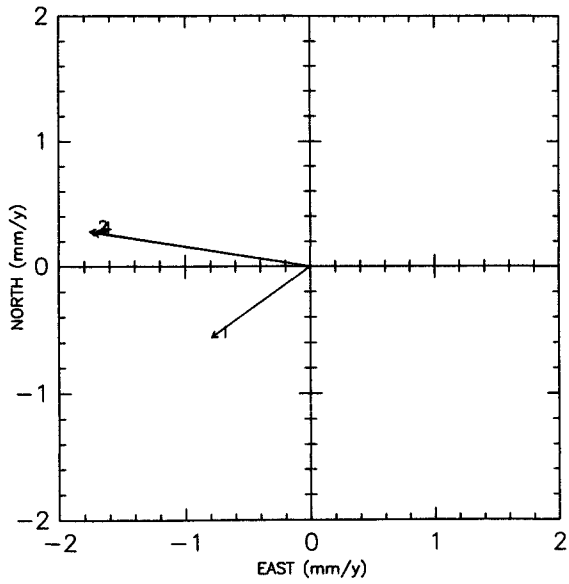


10402 ONSALA

POSITION RESIDUALS (cm) AT 93.0



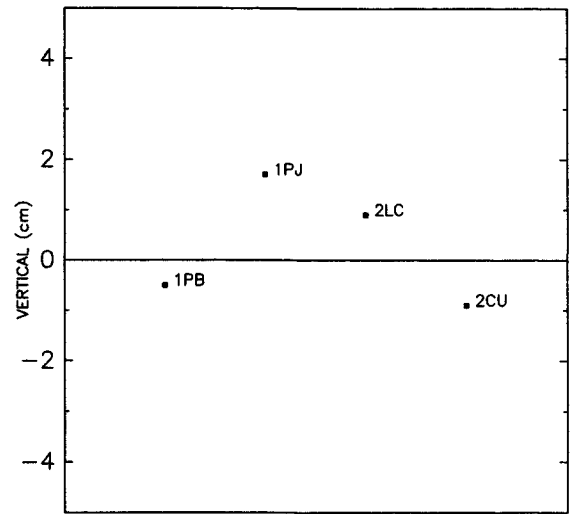
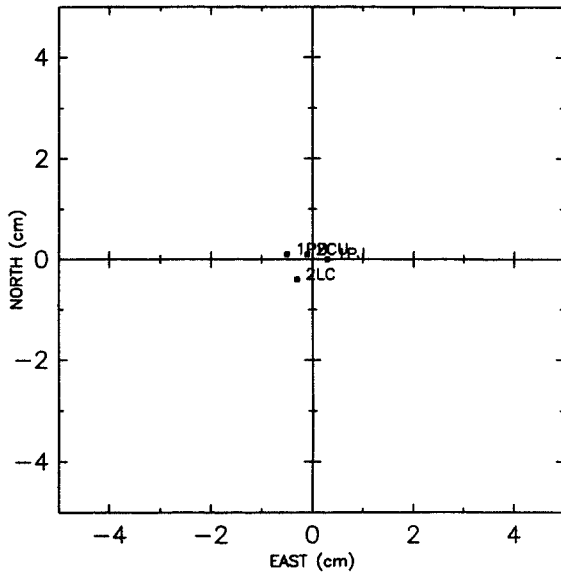
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



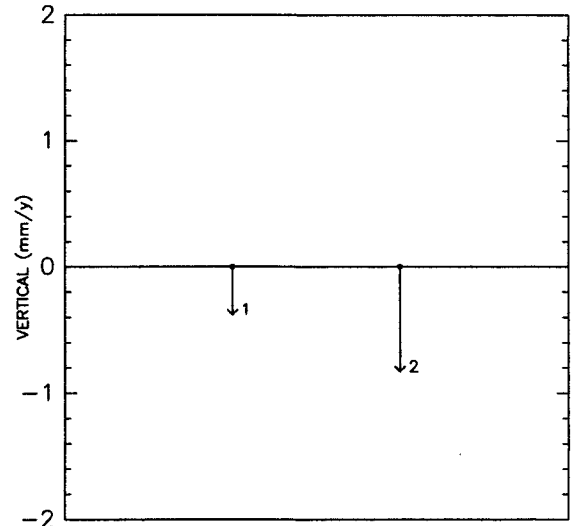
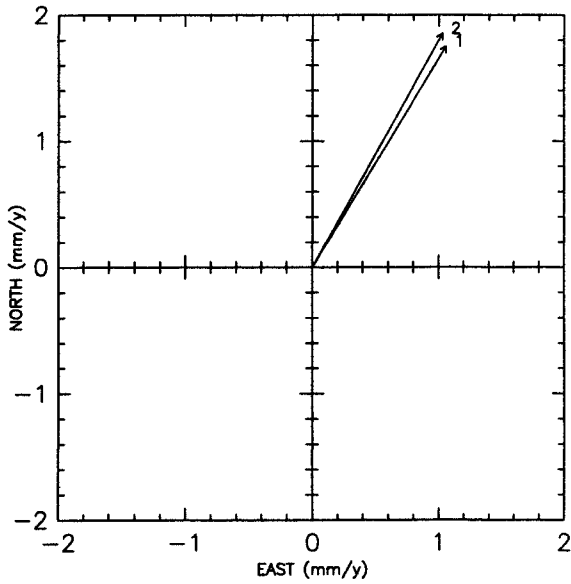
- 1: M004 A*
- 2: M006 A*
- 4: S002 A*

11001 GRAZ

POSITION RESIDUALS (cm) AT 93.0



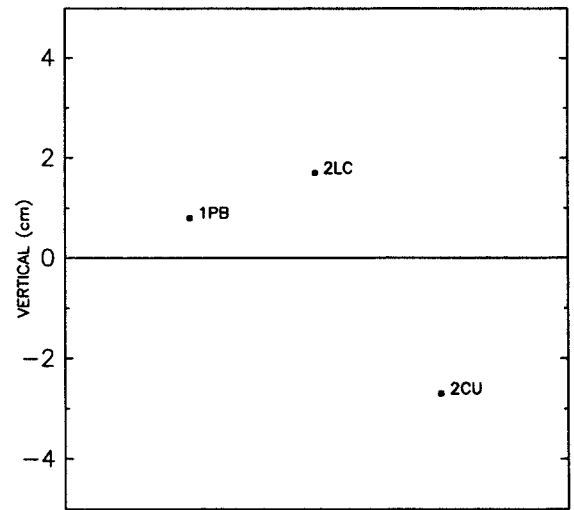
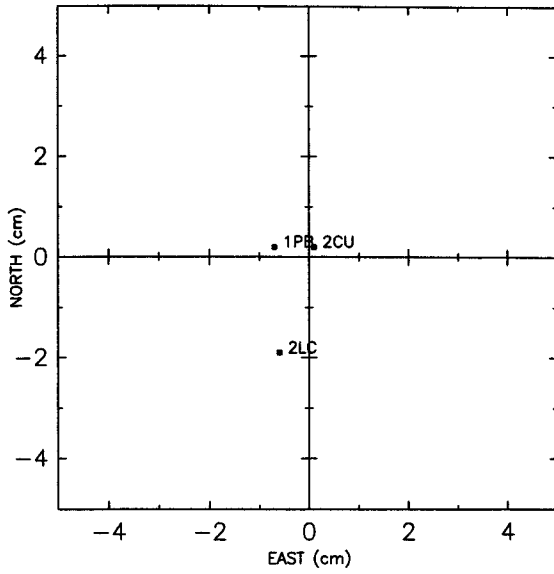
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



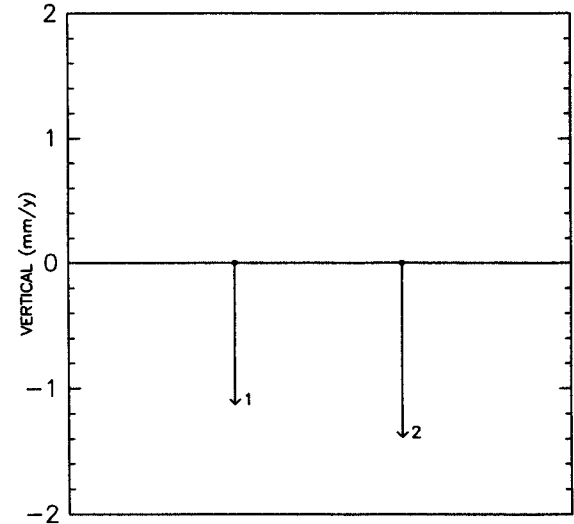
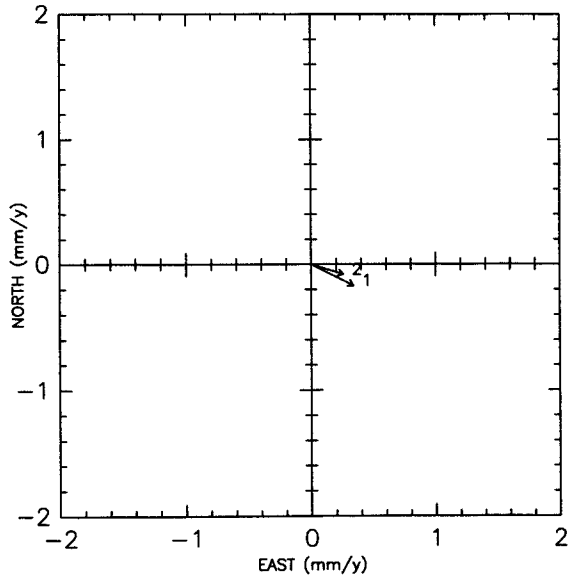
1: M002 A*
2: S002 A*

12205 BOROWIEC

POSITION RESIDUALS (cm) AT 93.0



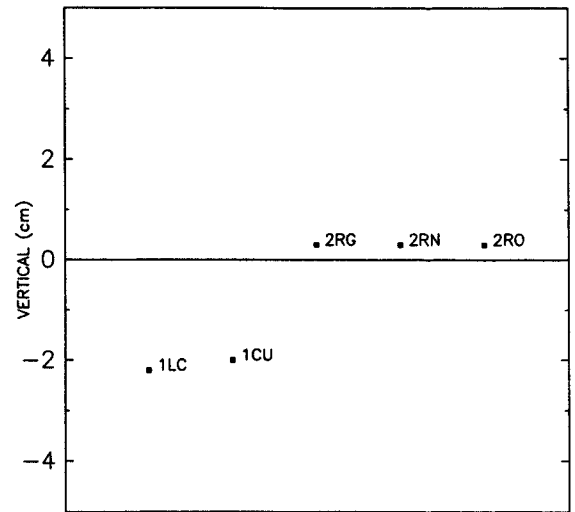
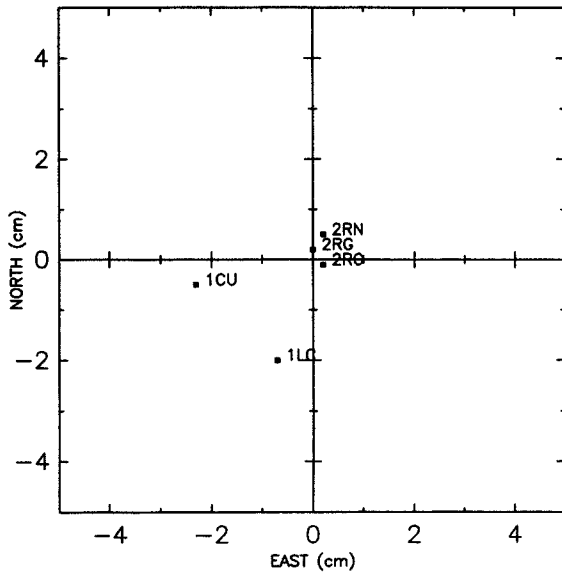
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



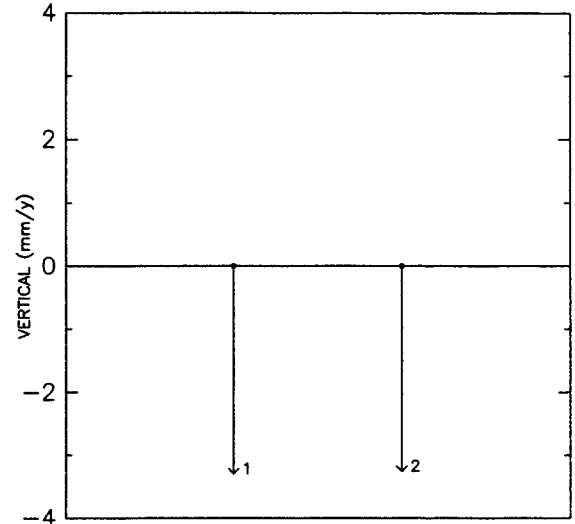
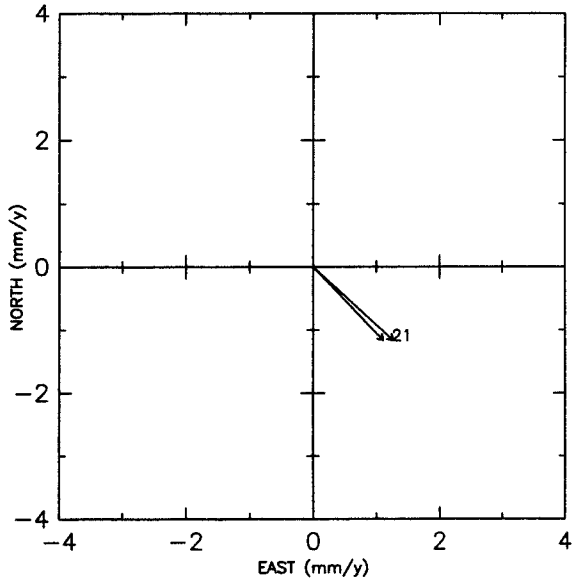
1: M002 B*
2: S001 B*

12717 NOTO

POSITION RESIDUALS (cm) AT 93.0



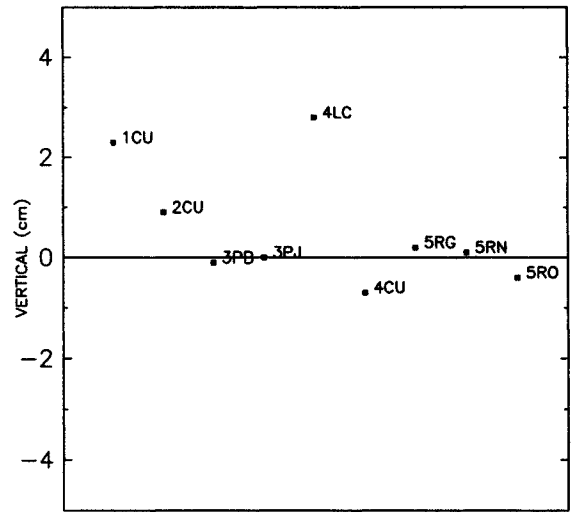
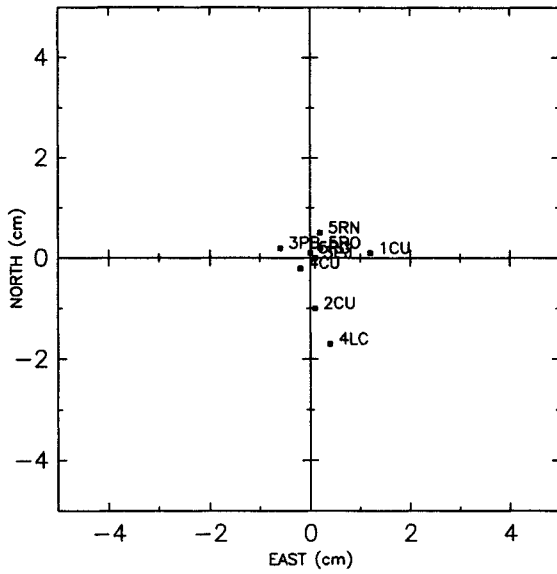
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



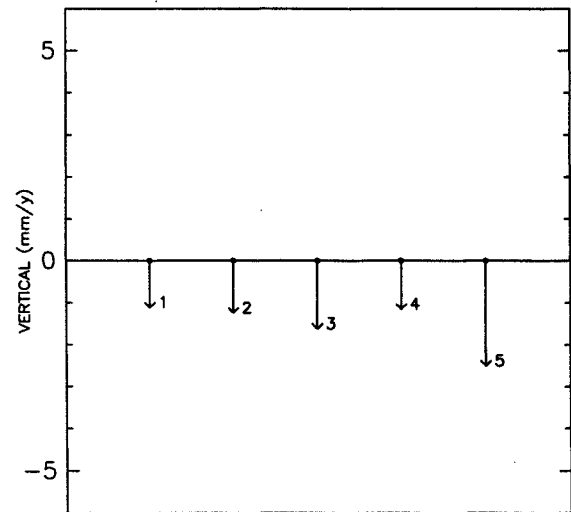
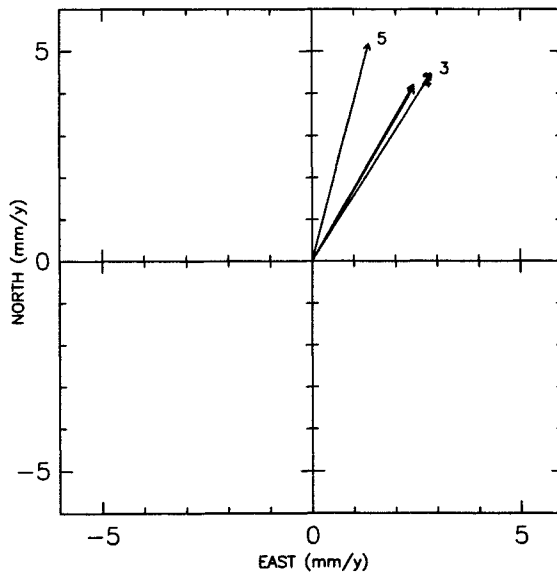
1: M001 B*
2: S001 B*

12734 MATERA

POSITION RESIDUALS (cm) AT 93.0



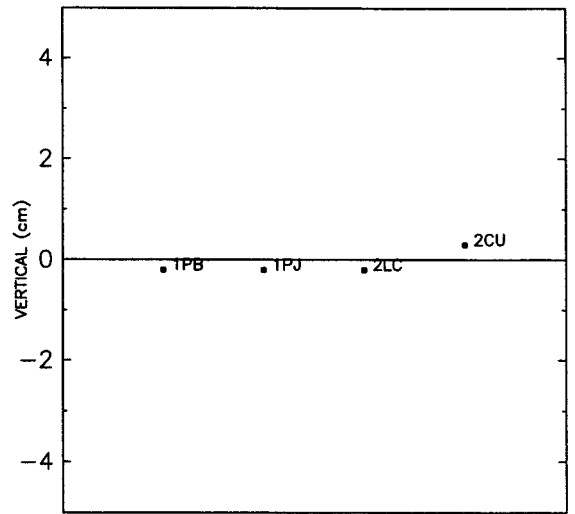
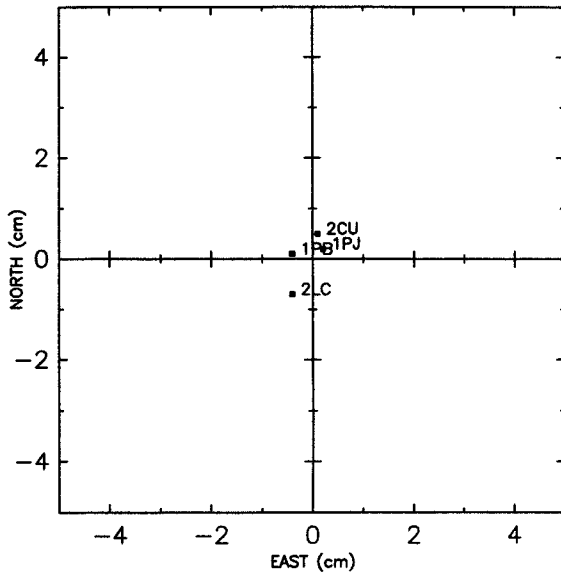
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



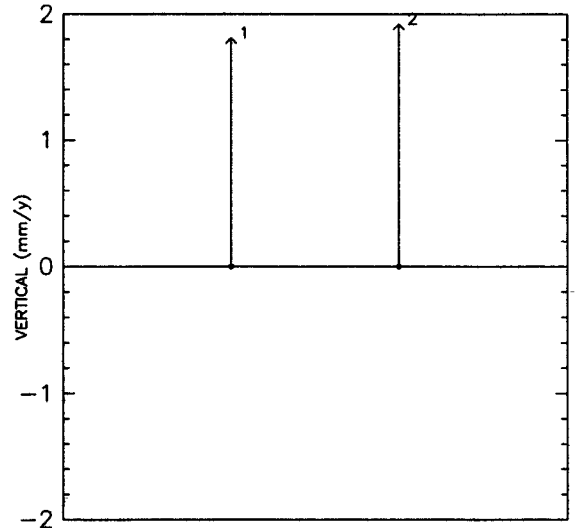
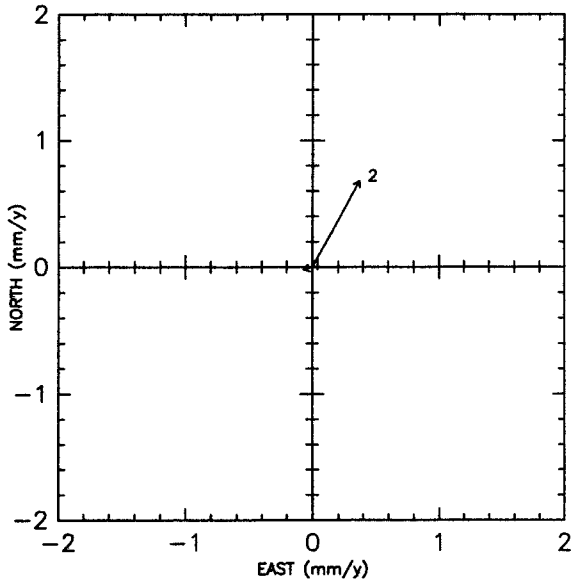
- 1: M004 A*
- 2: M005 A*
- 3: M008 A*
- 4: S001 A*
- 5: S005 A*

13212 HERSTMONCEUX

POSITION RESIDUALS (cm) AT 93.0



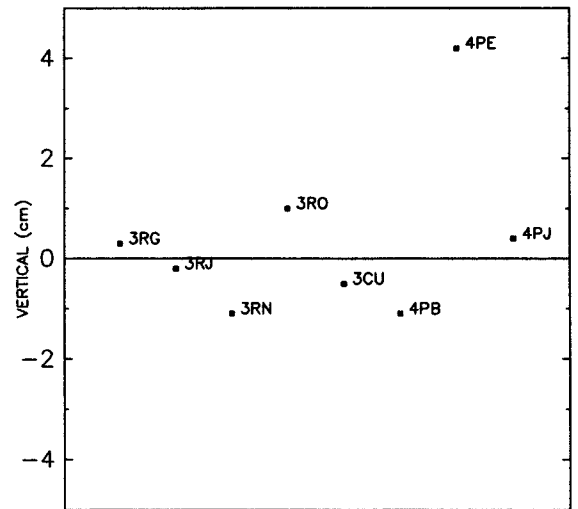
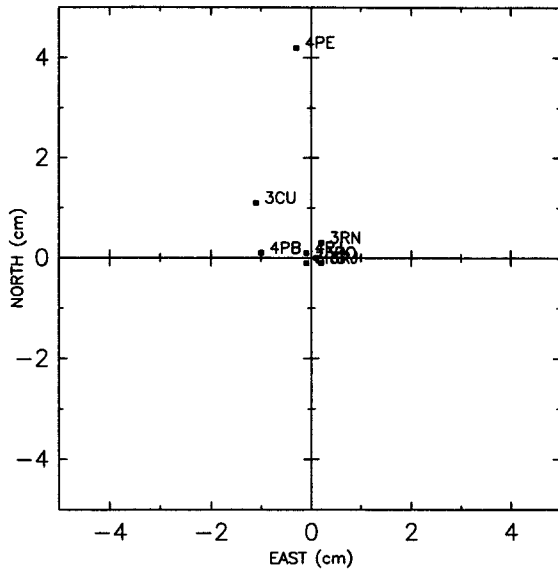
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



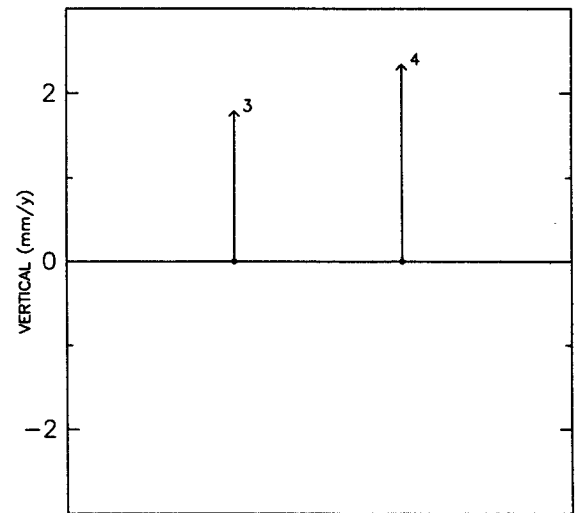
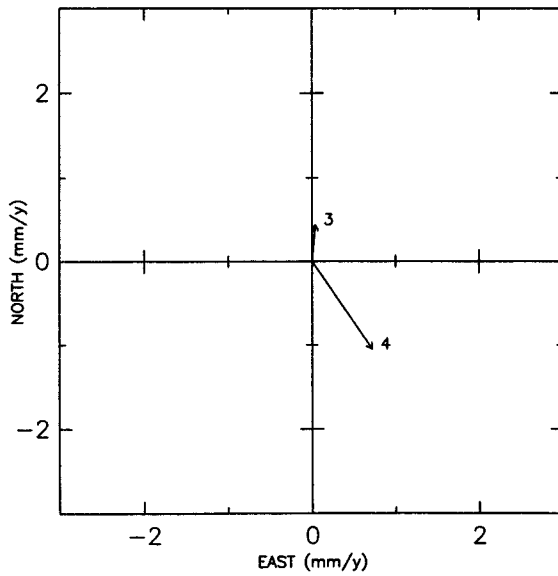
1: M007 A*
2: S001 A*

13407 MADRID

POSITION RESIDUALS (cm) AT 93.0



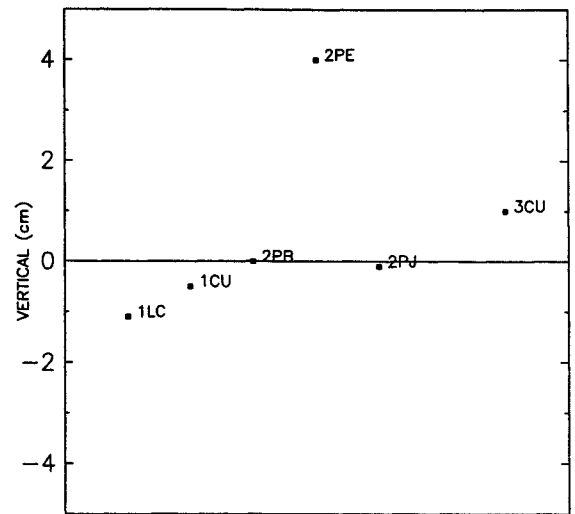
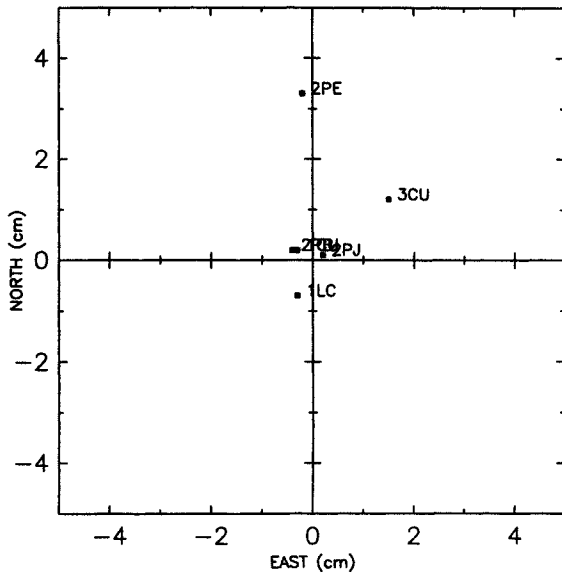
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



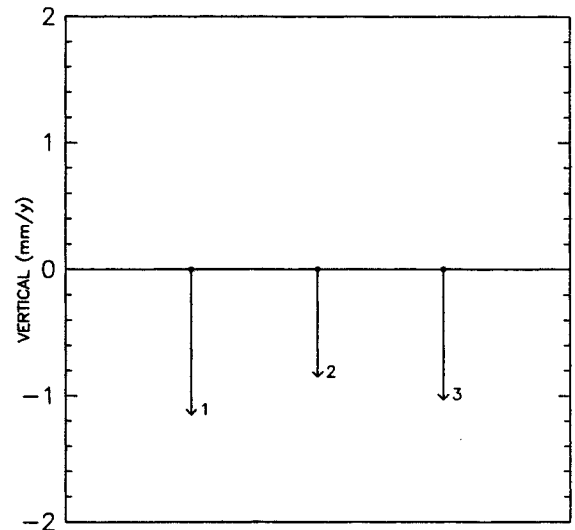
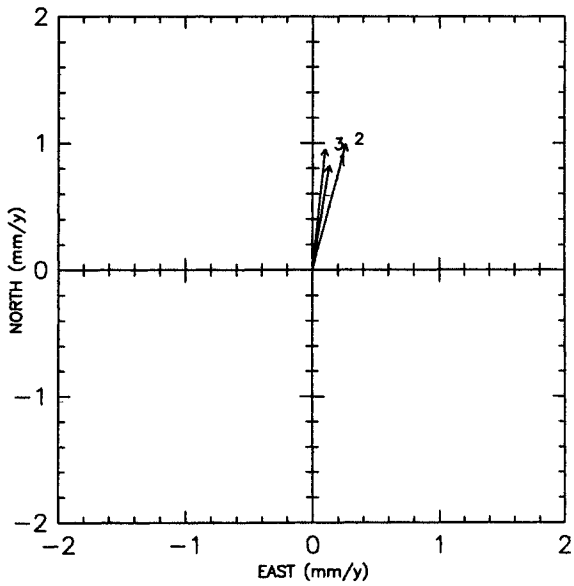
3: S010 A*
4: S012 A*

13504 KOOTWIJK

POSITION RESIDUALS (cm) AT 93.0



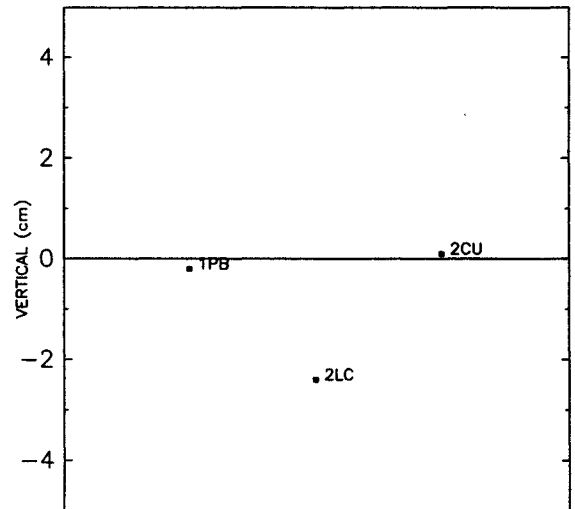
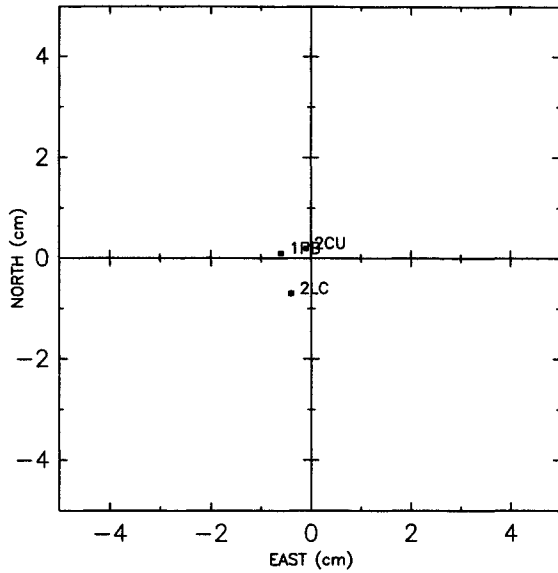
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



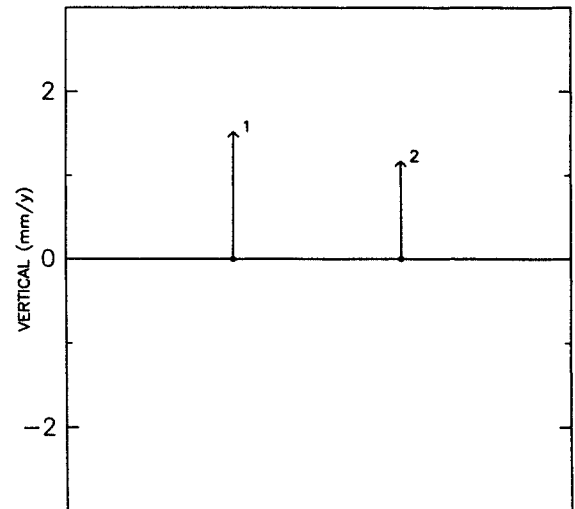
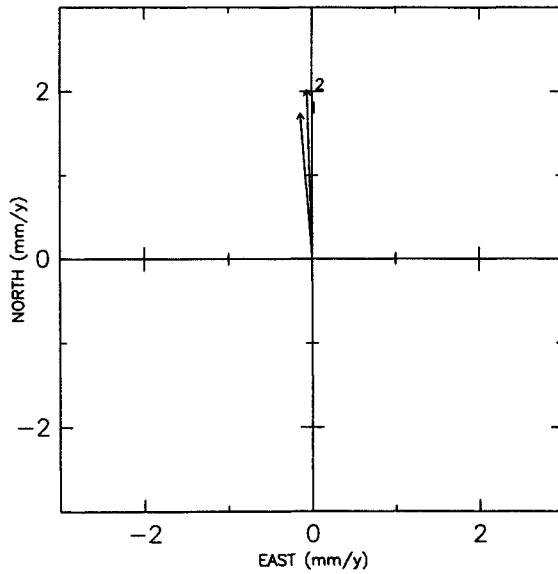
- 1: M002 A*
- 2: M003 A*
- 3: S001 A*

14001 ZIMMERWALD

POSITION RESIDUALS (cm) AT 93.0



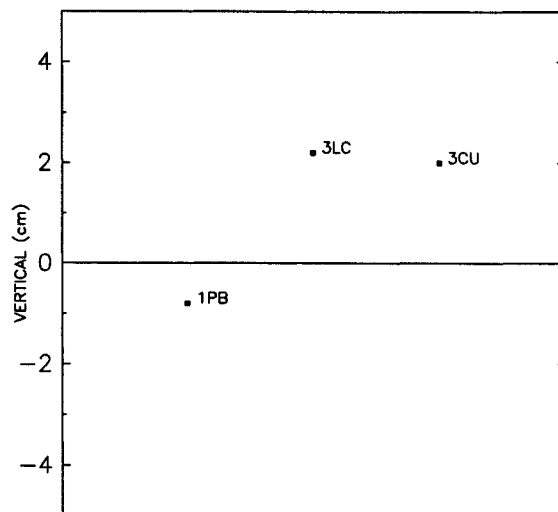
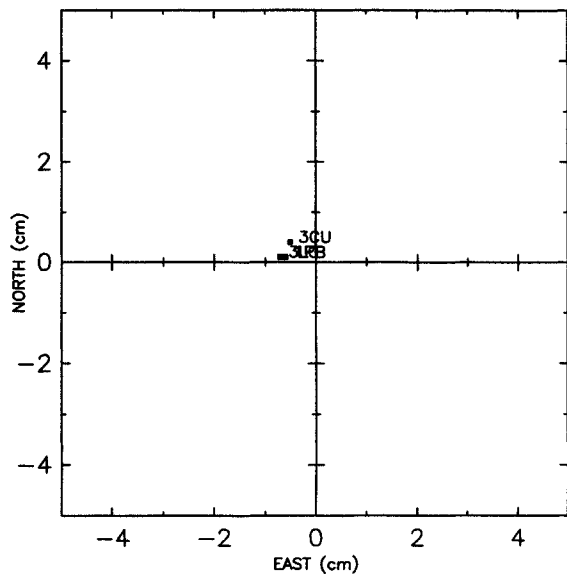
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



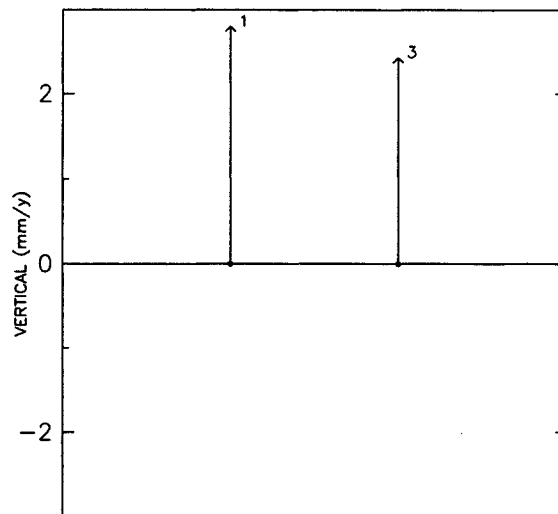
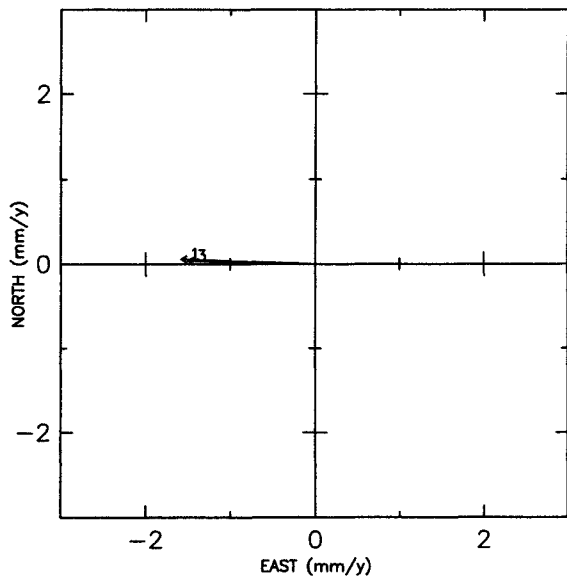
1: M004 A*
2: S001 A*

14106 POTSDAM

POSITION RESIDUALS (cm) AT 93.0



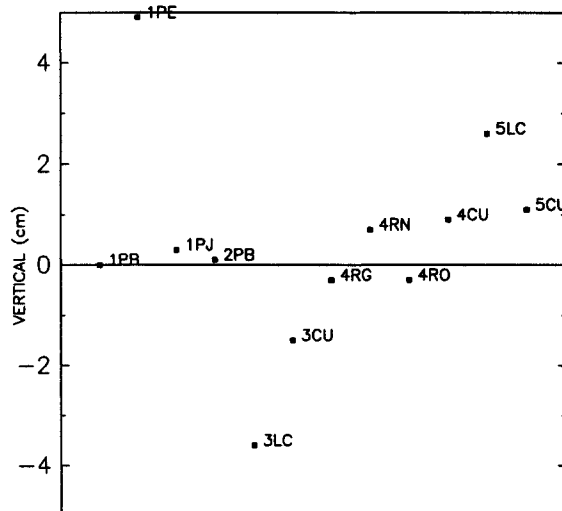
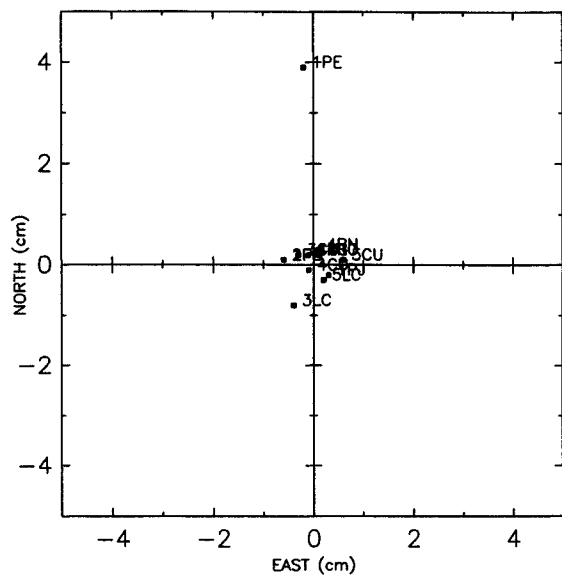
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



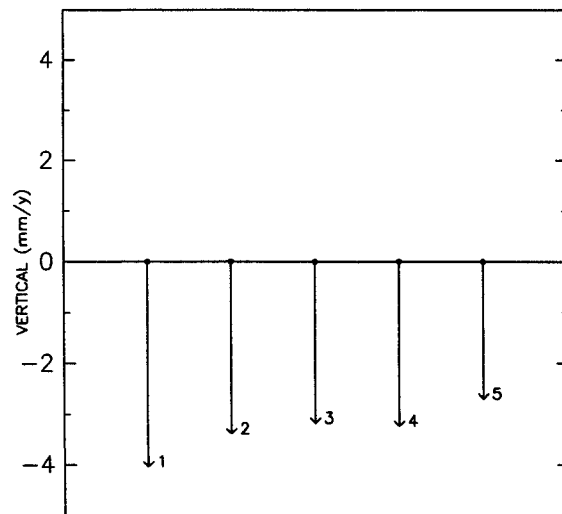
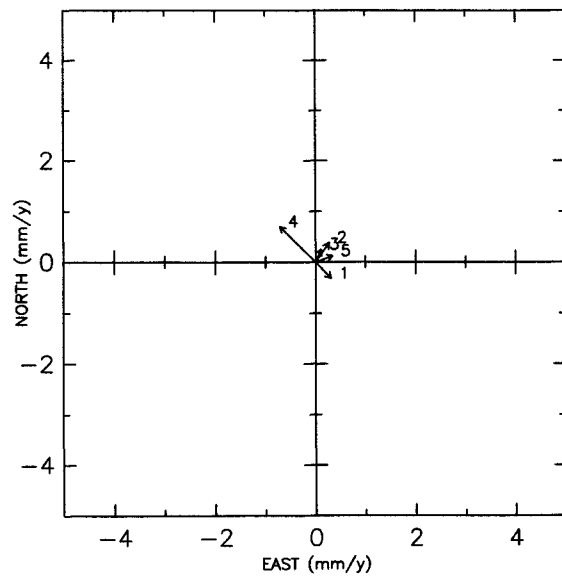
1: M003 A*
3: S009 A*

14201 WETTZELL

POSITION RESIDUALS (cm) AT 93.0



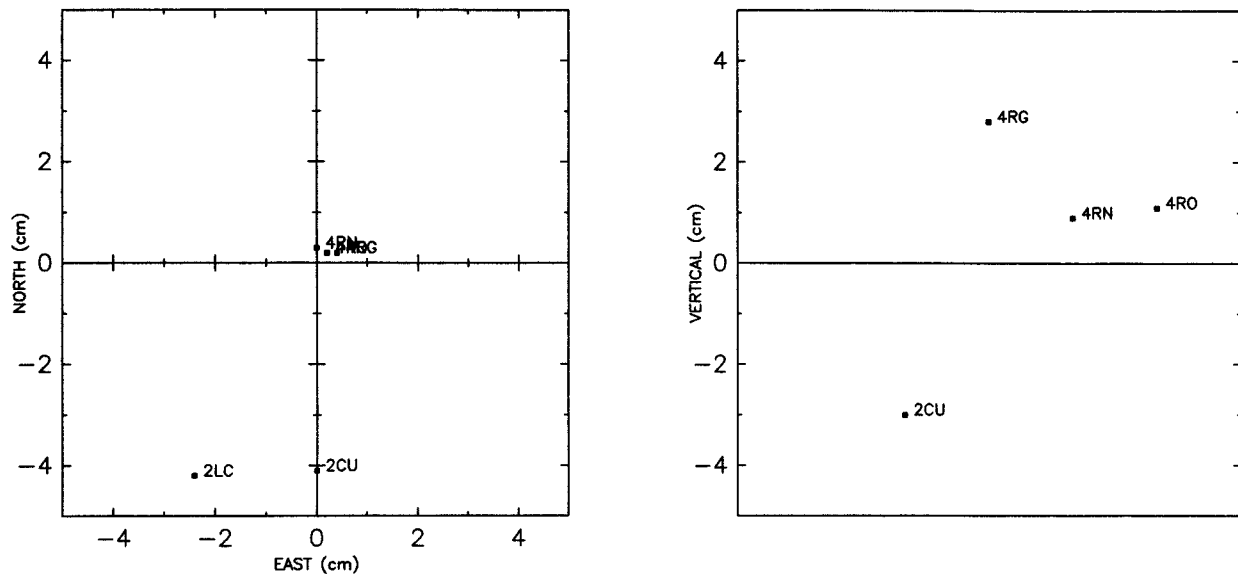
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



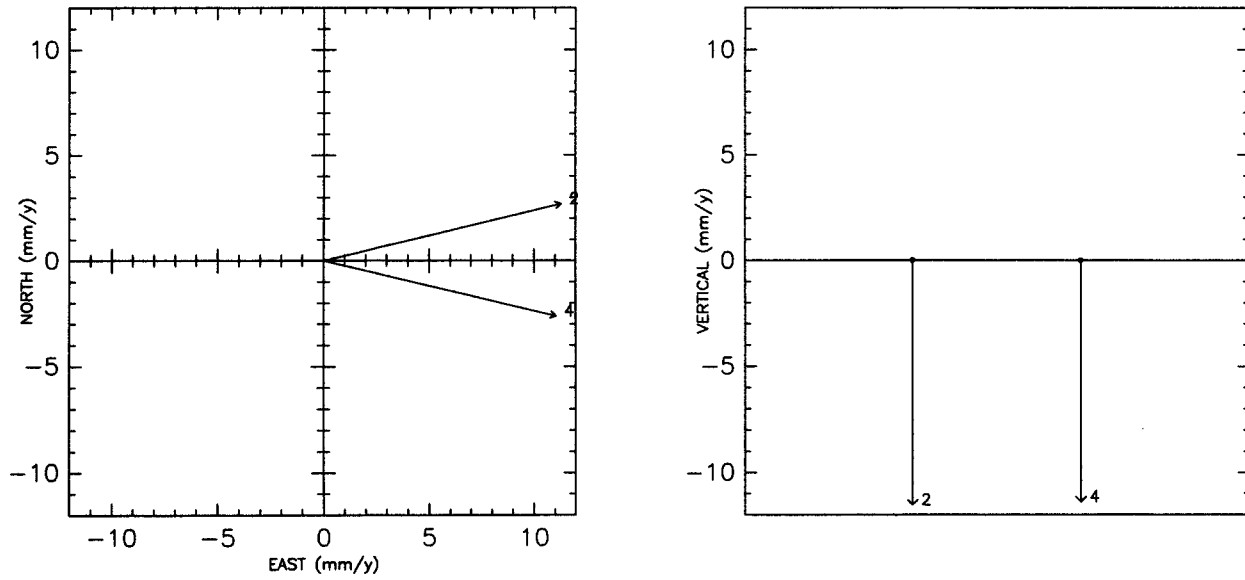
- 1: M009 A*
- 2: M010 A*
- 3: S002 A*
- 4: S004 A*
- 5: S018 A*

21605 SHANGHAI

POSITION RESIDUALS (cm) AT 93.0



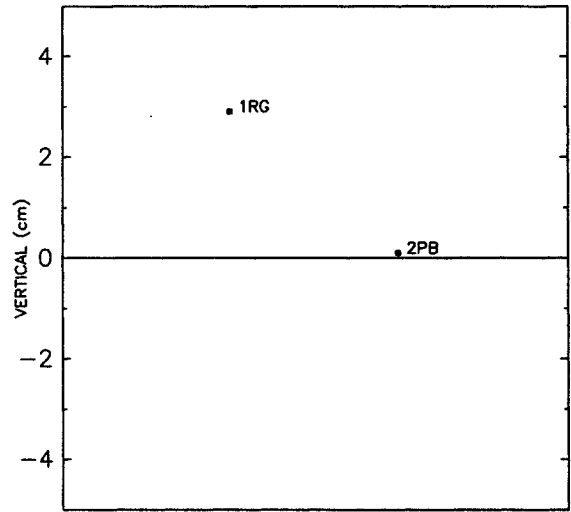
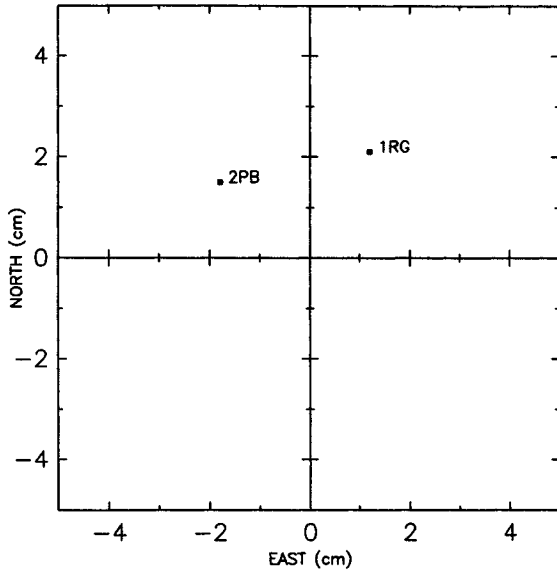
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



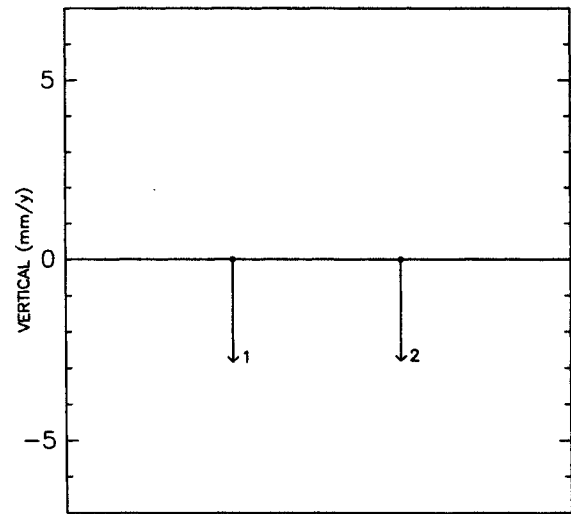
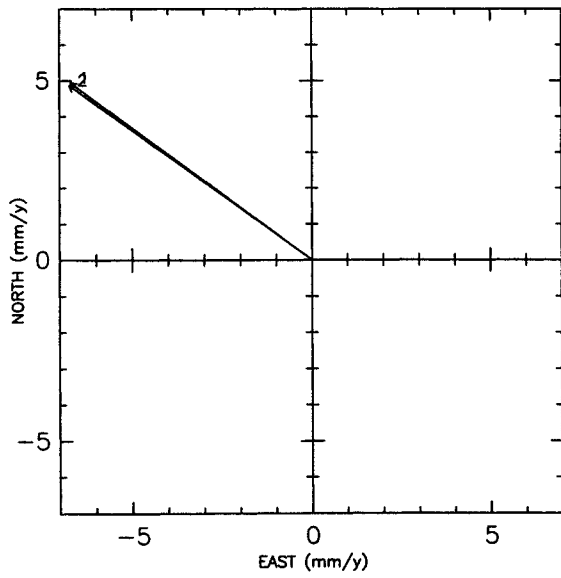
2: S001 B*
4: S009 B*

21730 TSUKUBA

POSITION RESIDUALS (cm) AT 93.0



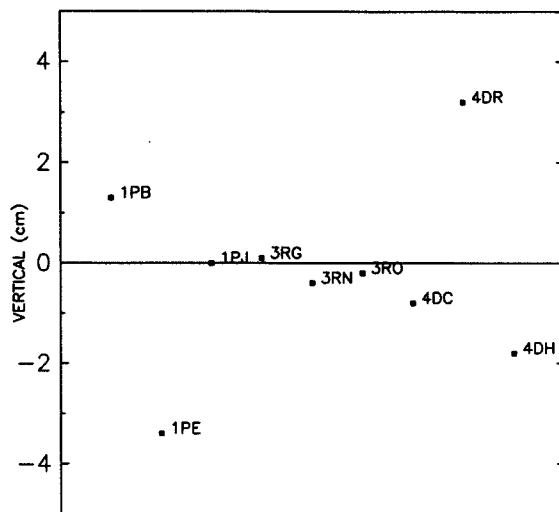
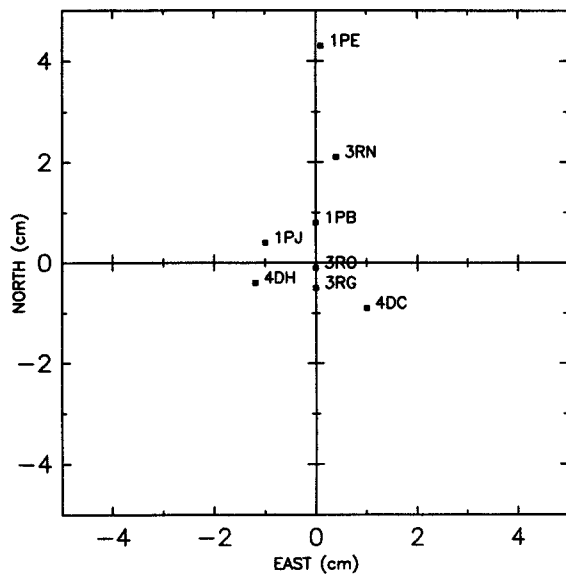
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



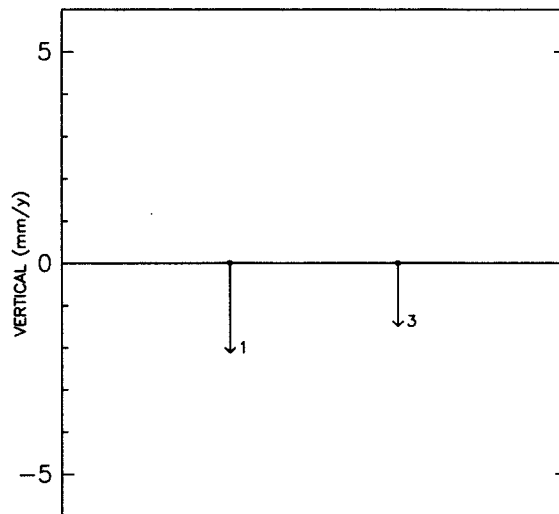
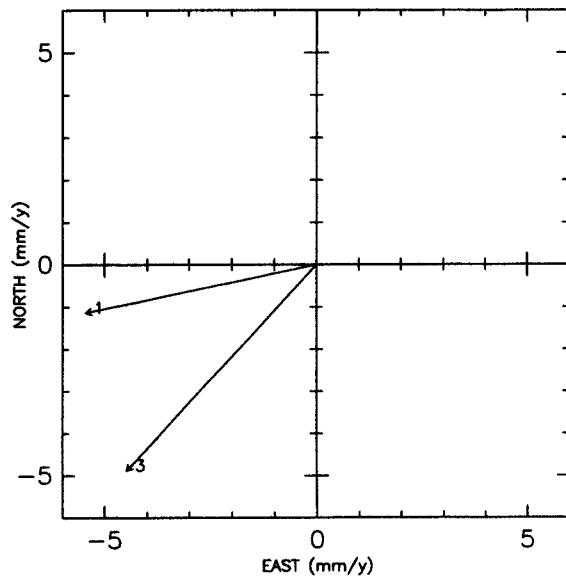
- 1: S001 B*
- 2: S005 B*

30302 HARTEBEESTHOEK

POSITION RESIDUALS (cm) AT 93.0



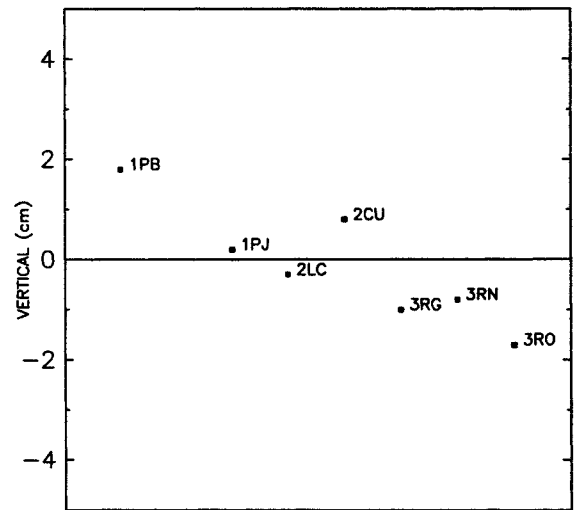
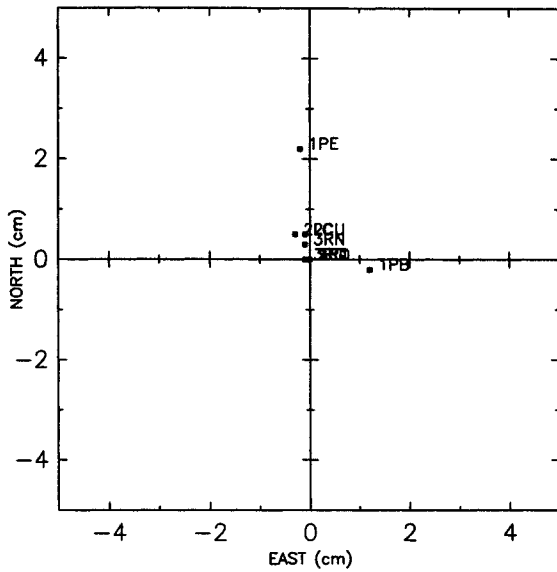
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



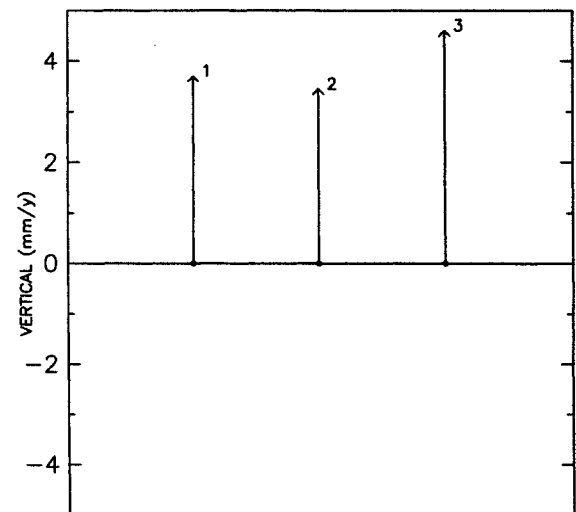
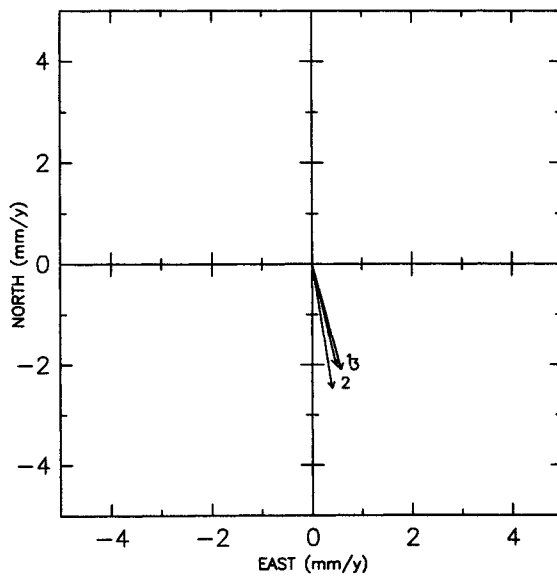
- 1: M002 B*
- 3: S001 B*
- 4: S202 B

40104 ALGONQUIN

POSITION RESIDUALS (cm) AT 93.0



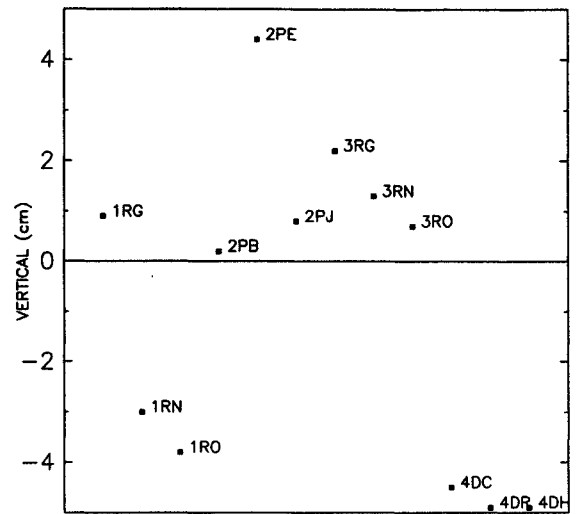
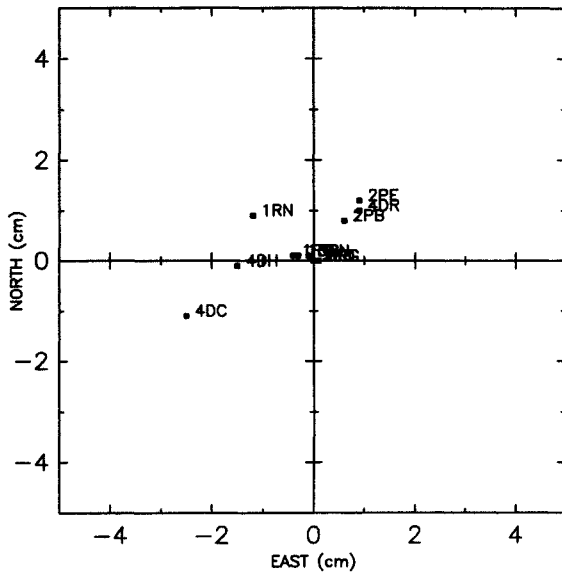
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



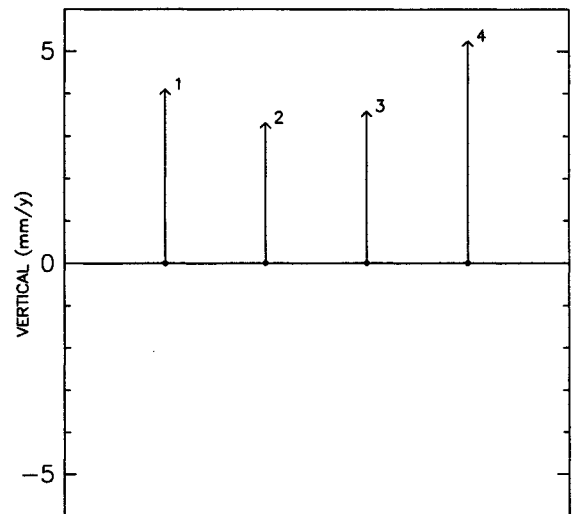
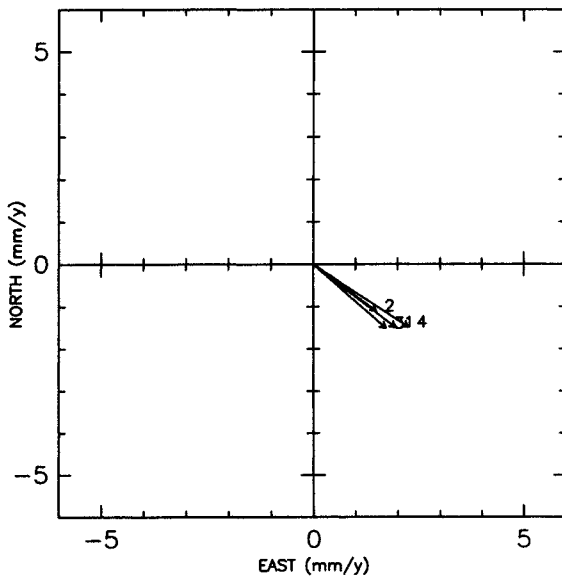
- 1: M002 B*
- 2: M003 B*
- 3: S001 B*

40127 YELLOWKNIFE

POSITION RESIDUALS (cm) AT 93.0



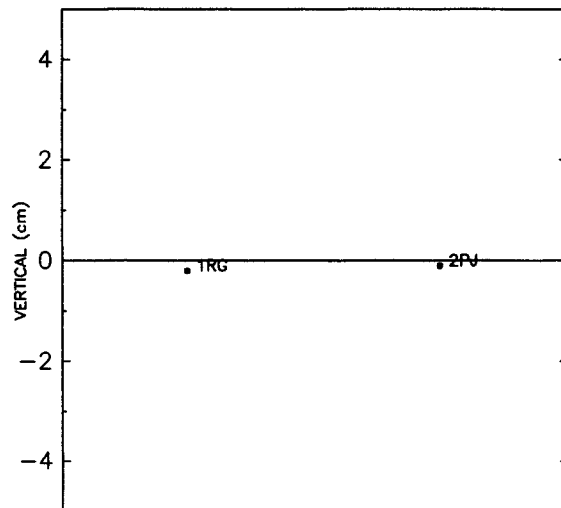
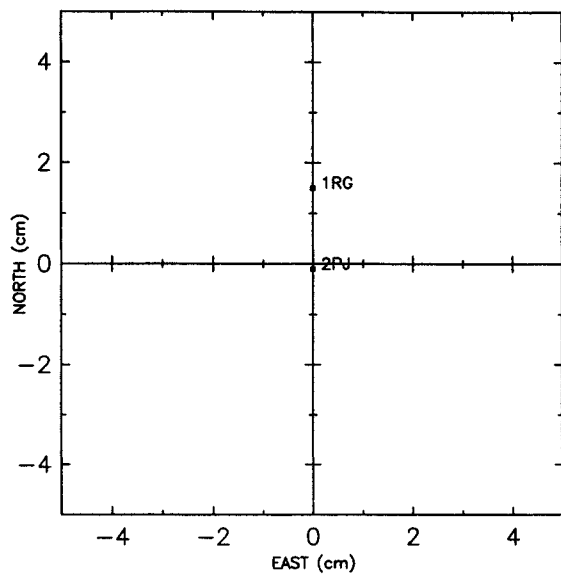
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



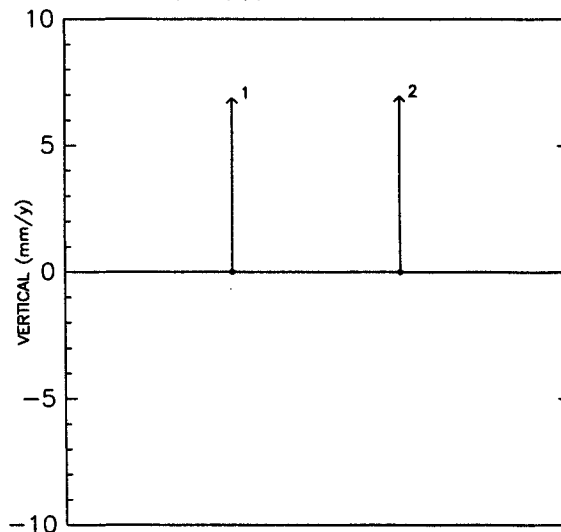
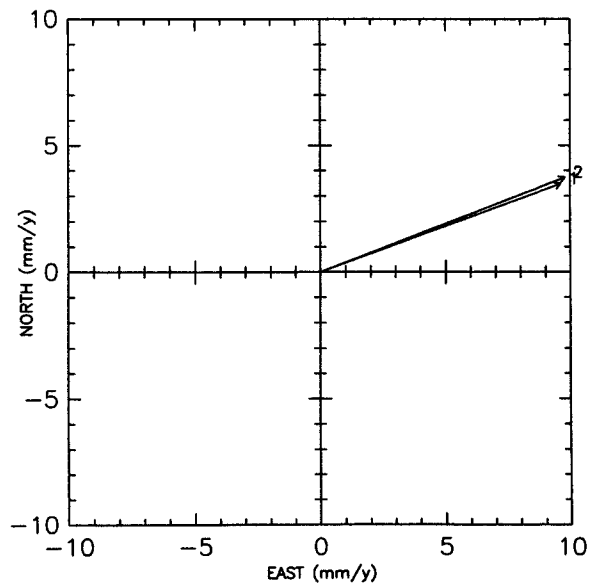
- 1: M001 B*
- 2: M003 B*
- 3: M004 B*
- 4: S007 B*

40129 ALBERT_HEAD

POSITION RESIDUALS (cm) AT 93.0



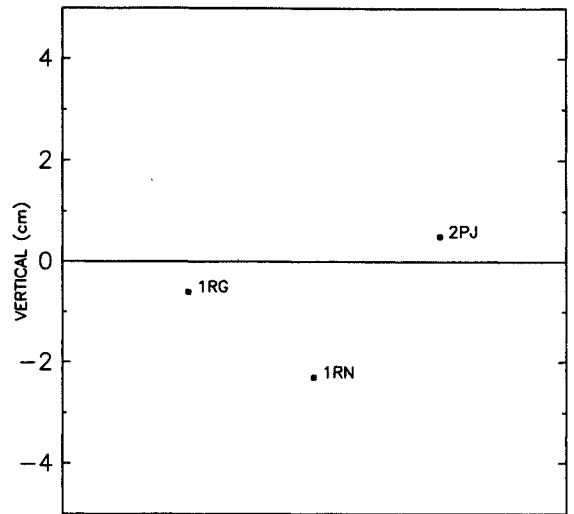
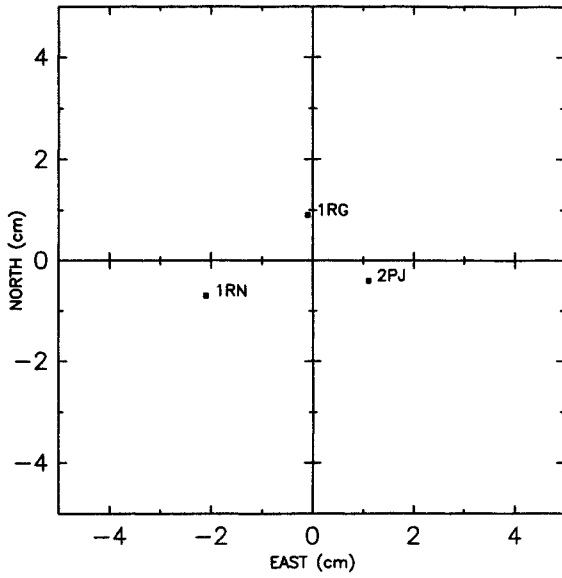
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



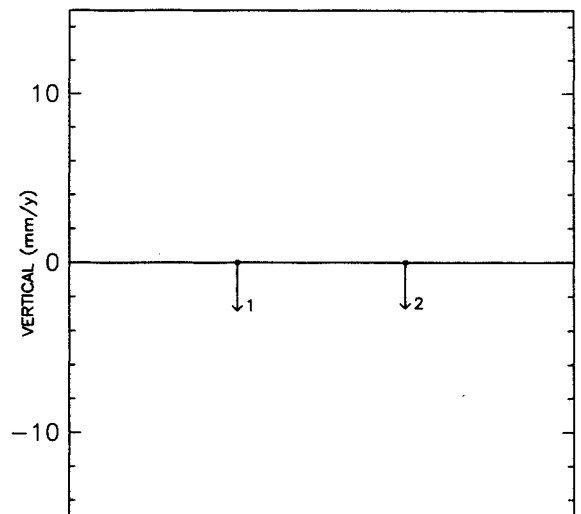
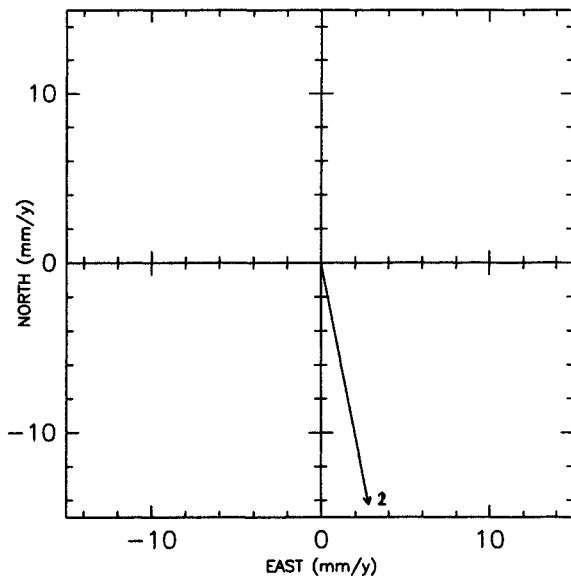
1: M001 B*
2: M003 B*

40400 PASADENA

POSITION RESIDUALS (cm) AT 93.0



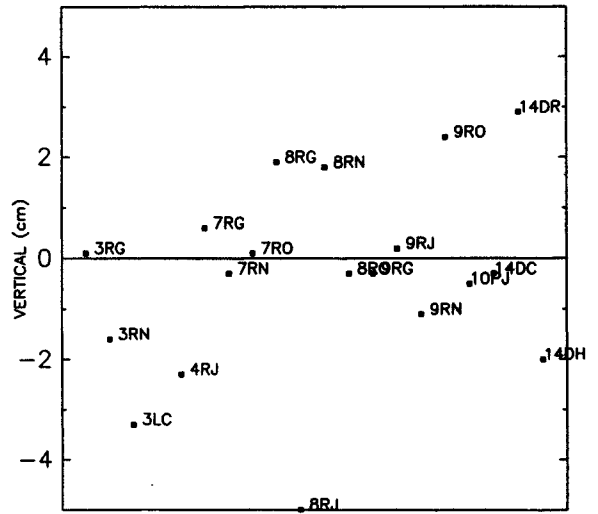
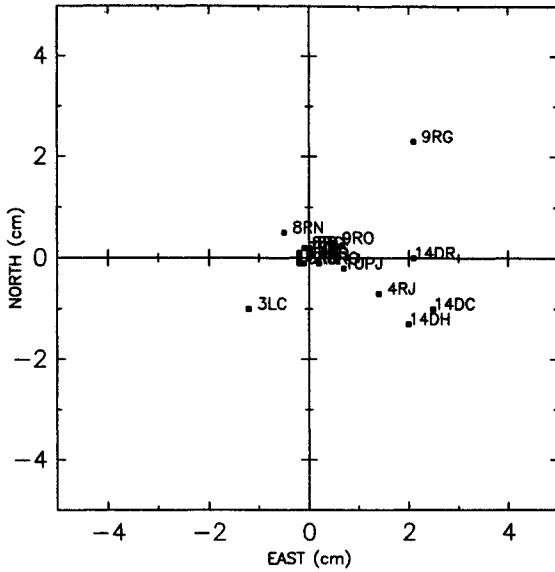
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



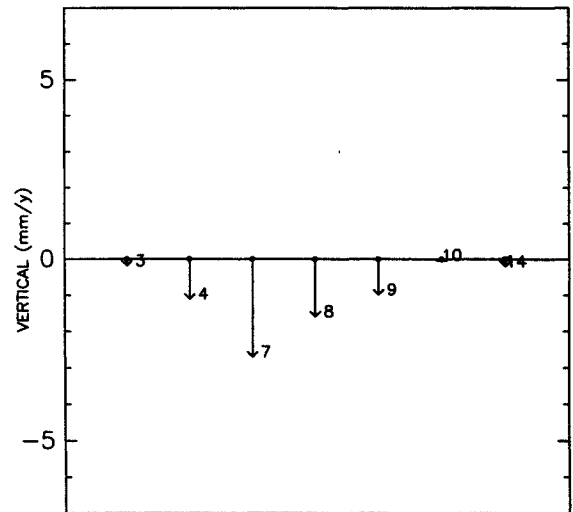
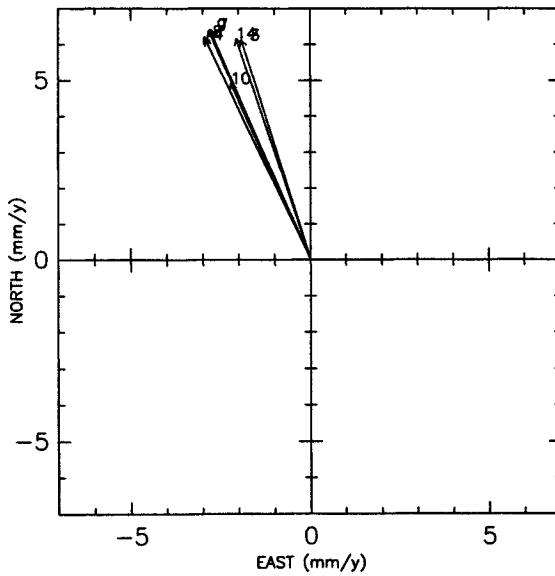
- 1: M003 B*
- 2: M006 B*

40405 GOLDSTONE

POSITION RESIDUALS (cm) AT 93.0



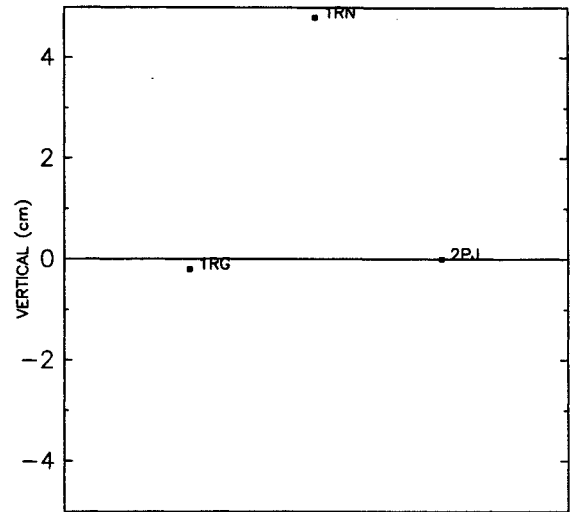
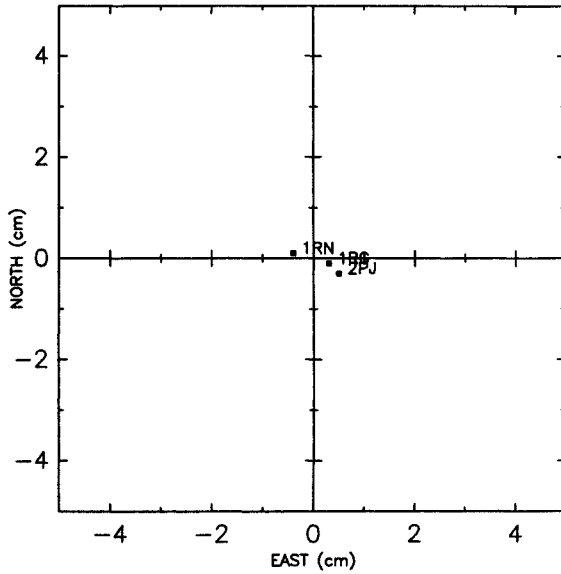
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



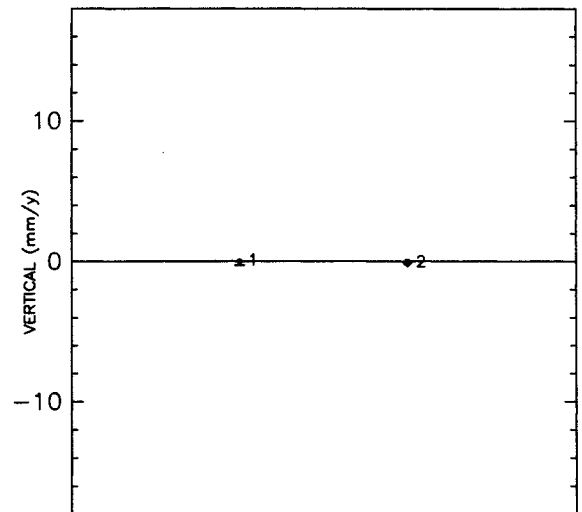
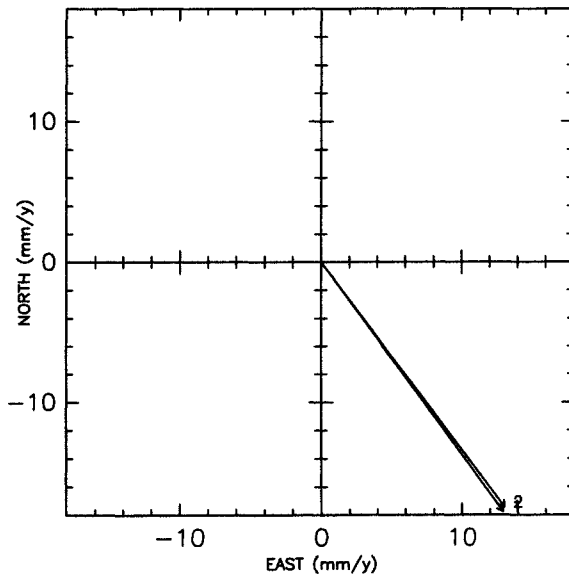
- 3: M013 A*
- 4: S001 A*
- 7: S009 A*
- 8: S014 A*
- 9: S019 A*
- 10: S028 A*
- 14: S035 A*

40407 PINYON

POSITION RESIDUALS (cm) AT 93.0



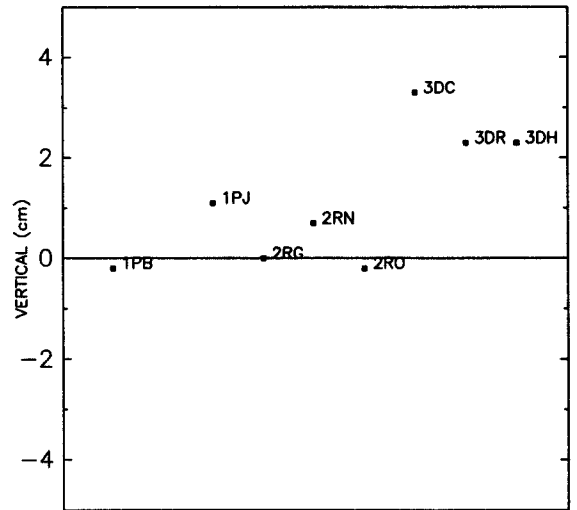
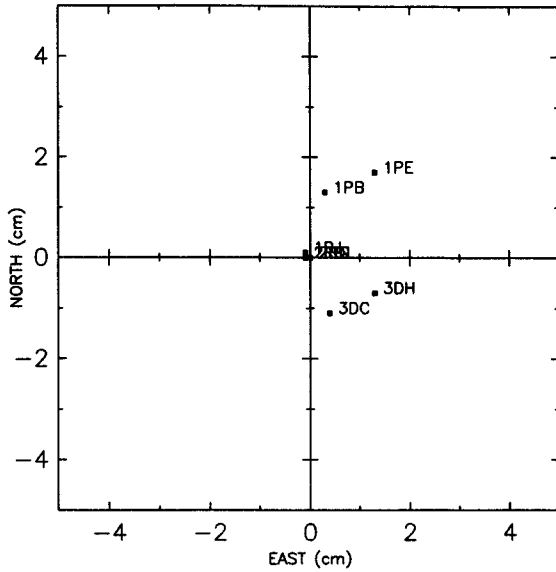
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



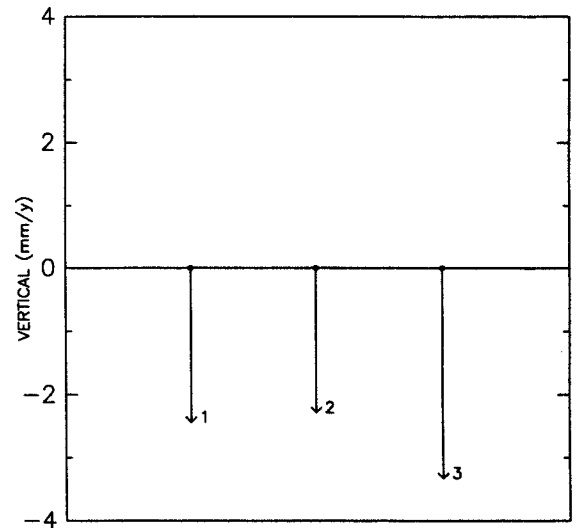
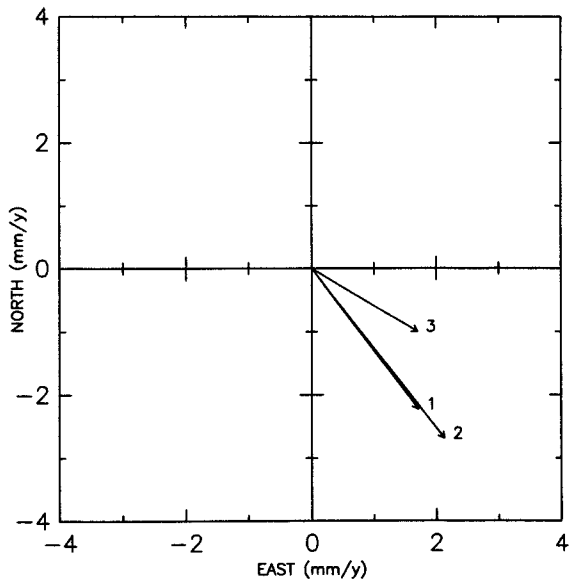
1: M001 B*
2: M002 B*

40408 FAIRBANKS

POSITION RESIDUALS (cm) AT 93.0



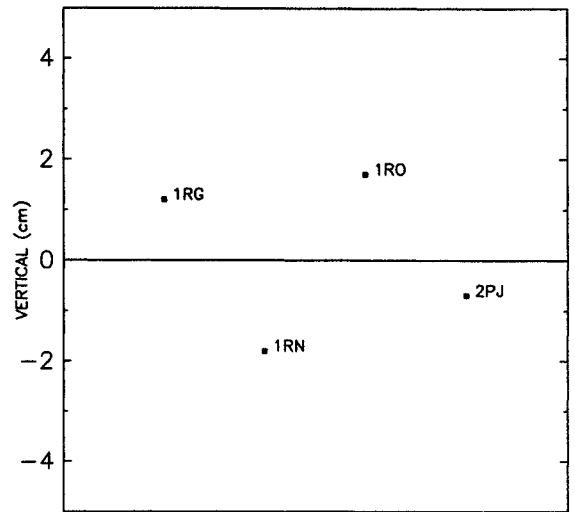
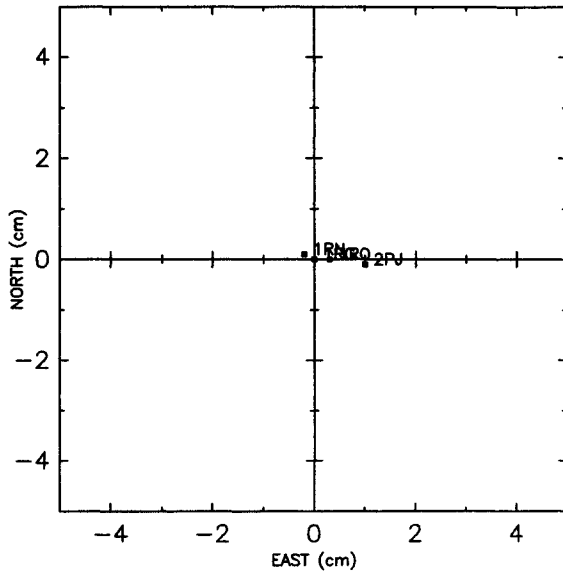
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



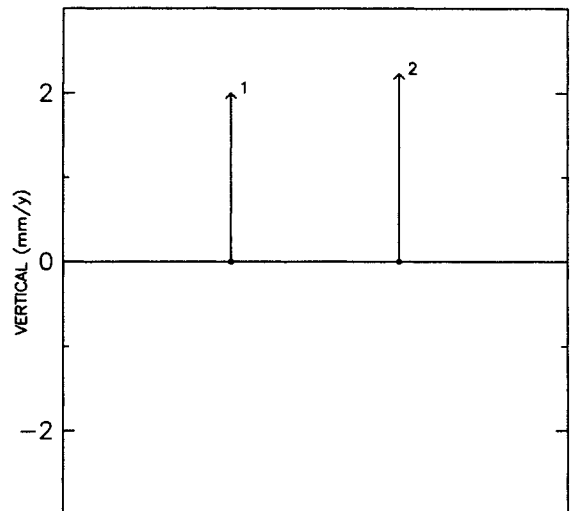
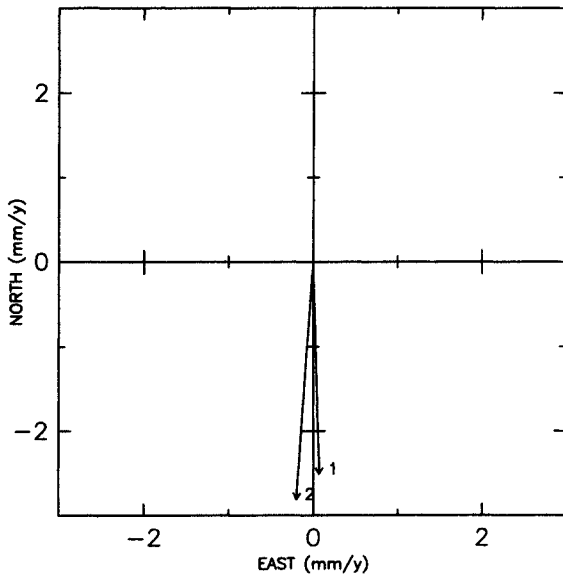
- 1: M001 B*
- 2: S002 B*
- 3: S004 B*

40420 VANDENB/HARVEST

POSITION RESIDUALS (cm) AT 93.0



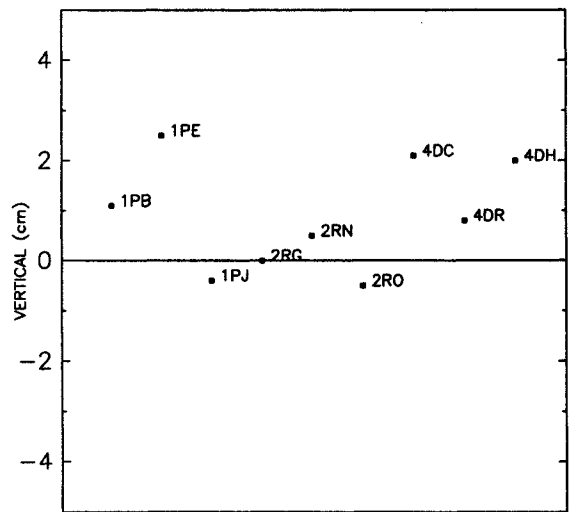
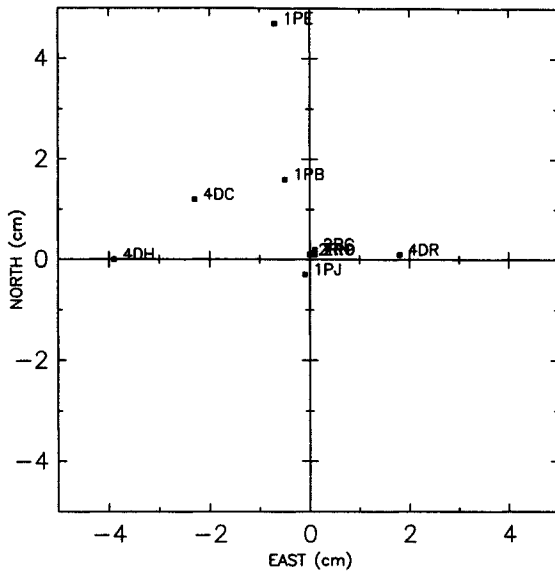
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



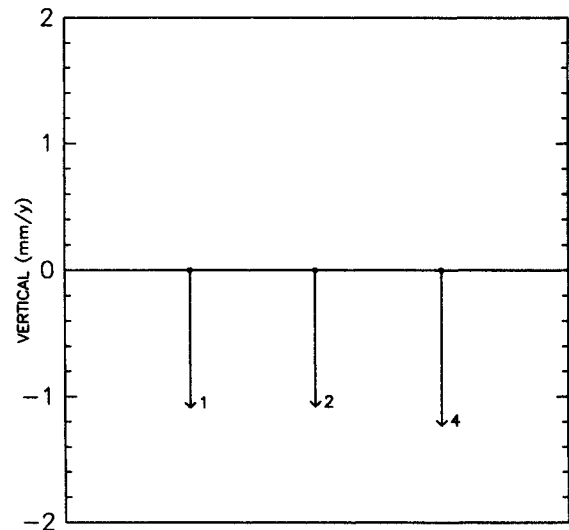
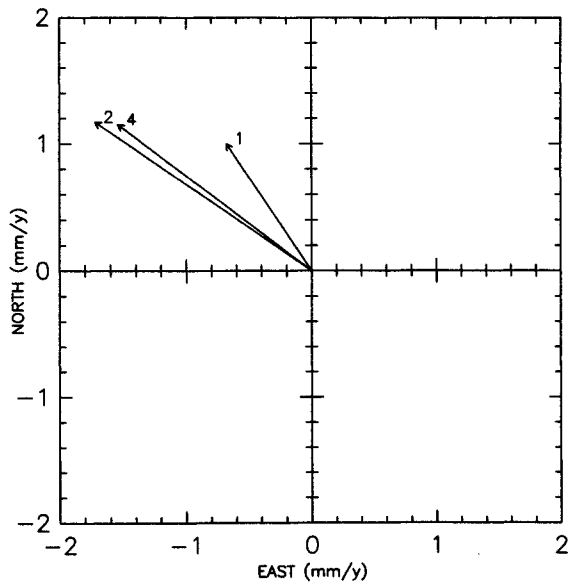
1: M002 A*
2: M007 A*

40424 KAUAI

POSITION RESIDUALS (cm) AT 93.0



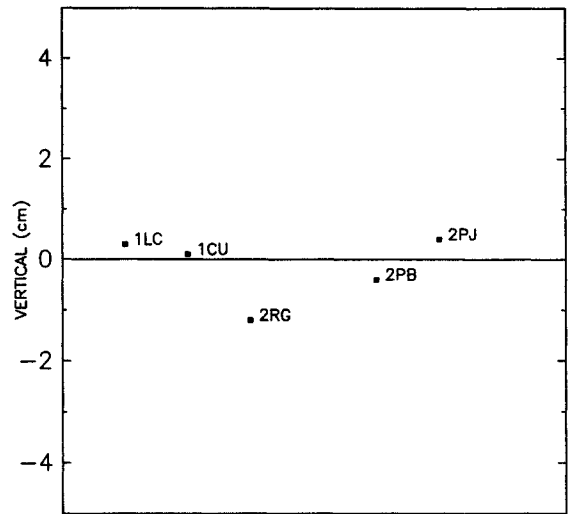
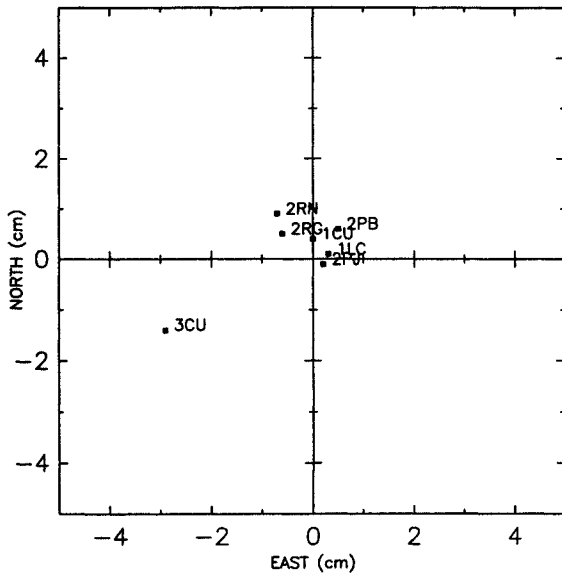
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



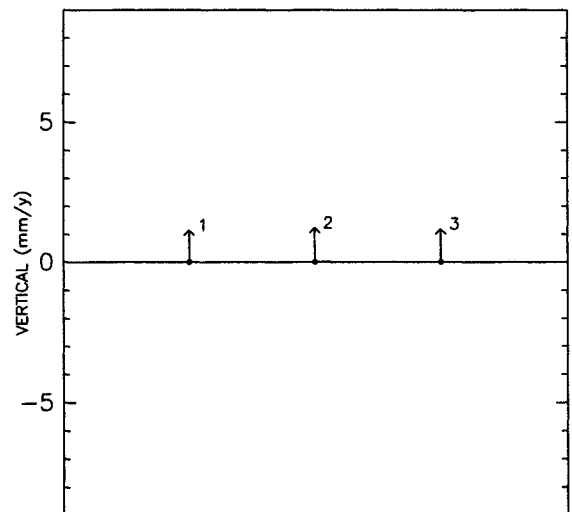
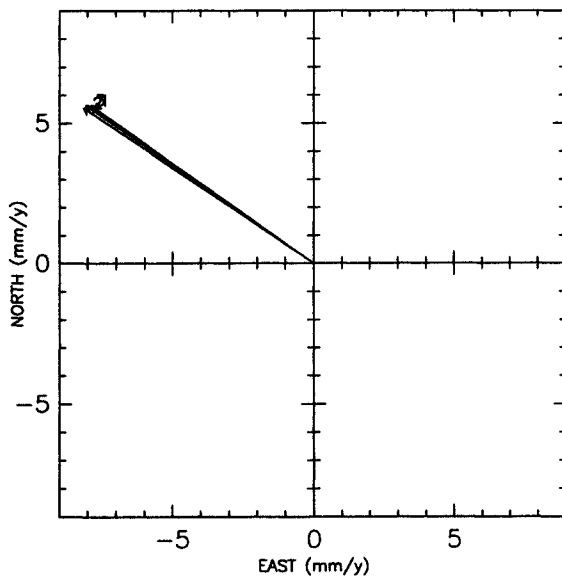
- 1: M004 B*
- 2: S001 B*
- 4: S008 B*

40433 QUINCY

POSITION RESIDUALS (cm) AT 93.0



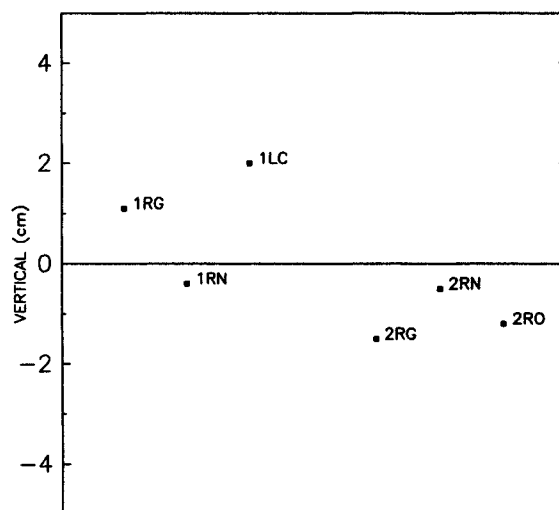
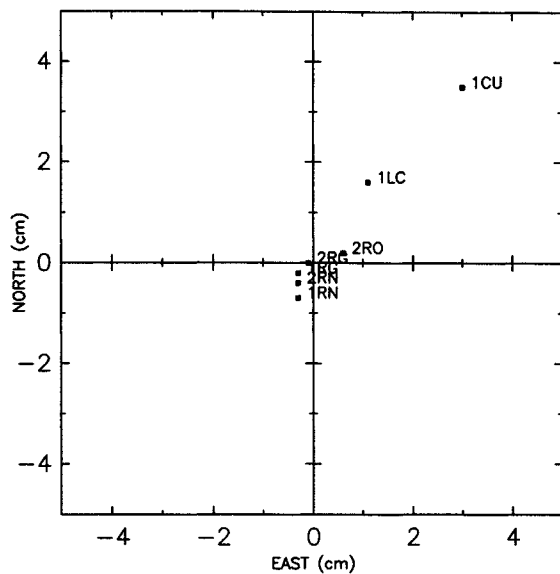
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



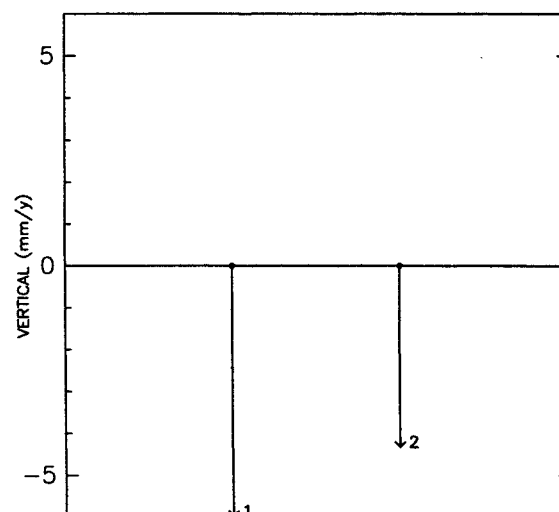
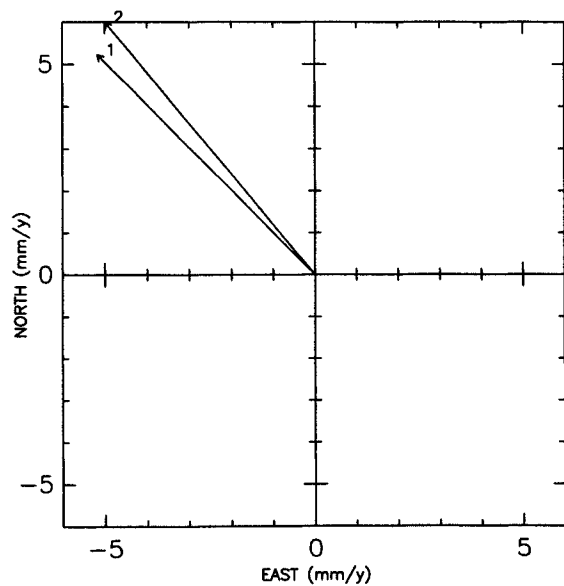
- 1: M002 A*
- 2: M004 A*
- 3: M005 A*

40439 OWENS VALLEY

POSITION RESIDUALS (cm) AT 93.0



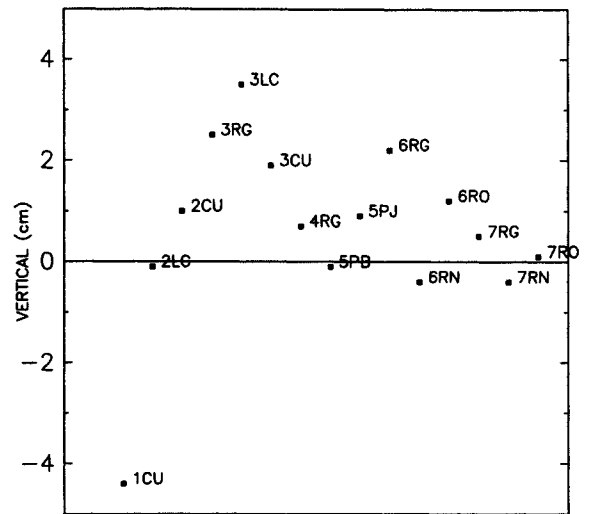
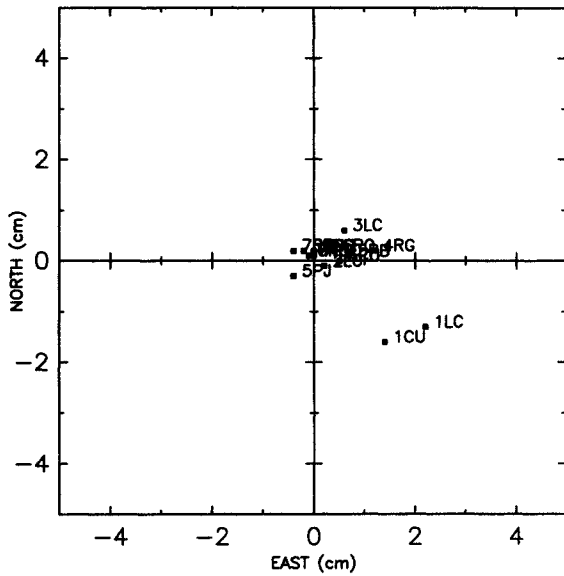
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



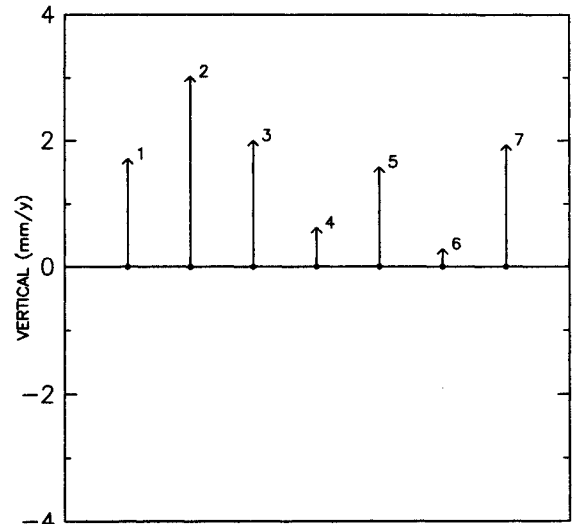
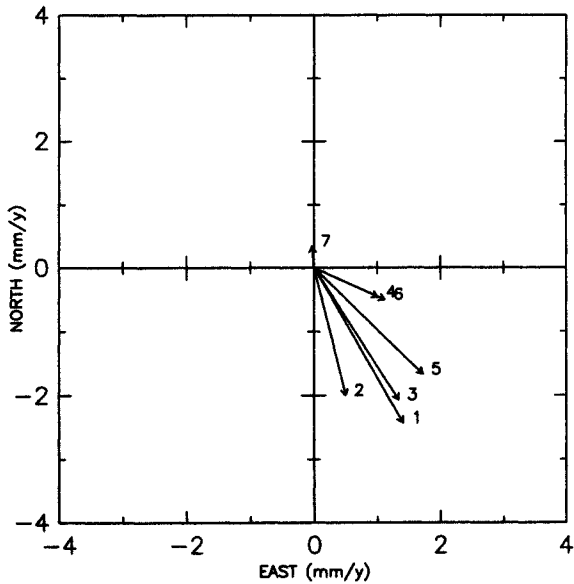
- 1: M004 A*
- 2: S002 A*

40442 FORT DAVIS

POSITION RESIDUALS (cm) AT 93.0



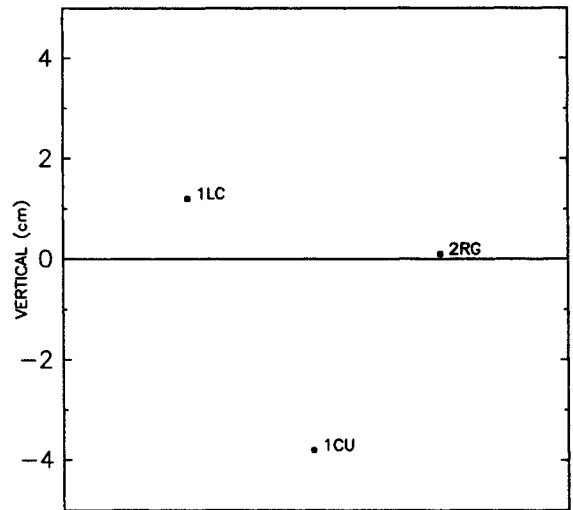
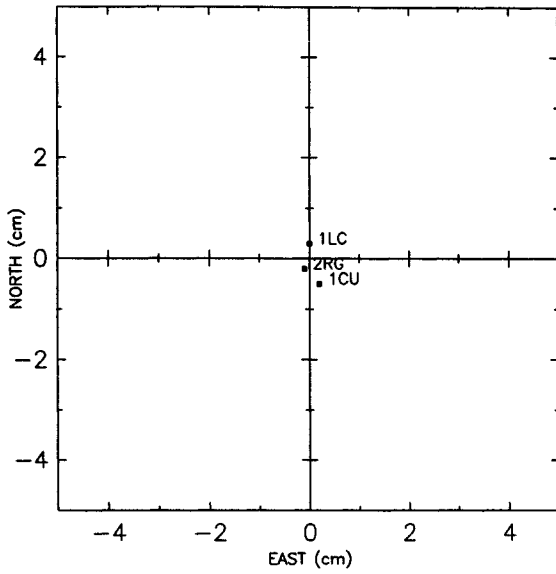
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



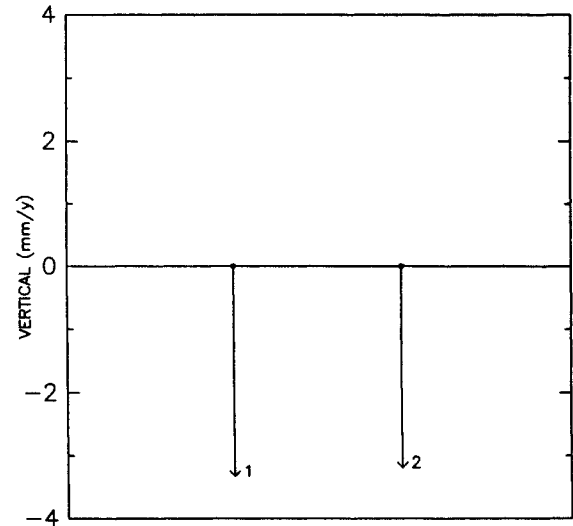
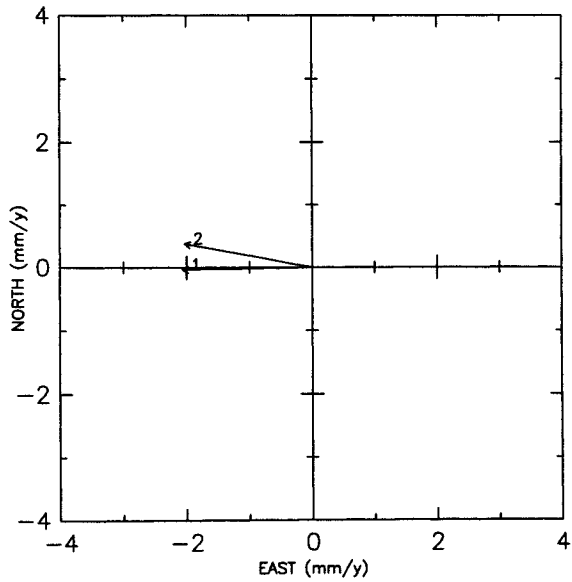
- 1: M001 A*
- 2: M006 A*
- 3: M008 A*
- 4: M009 A*
- 5: M012 A*
- 6: S003 A*
- 7: S017 A*

40445 MAUI

POSITION RESIDUALS (cm) AT 93.0



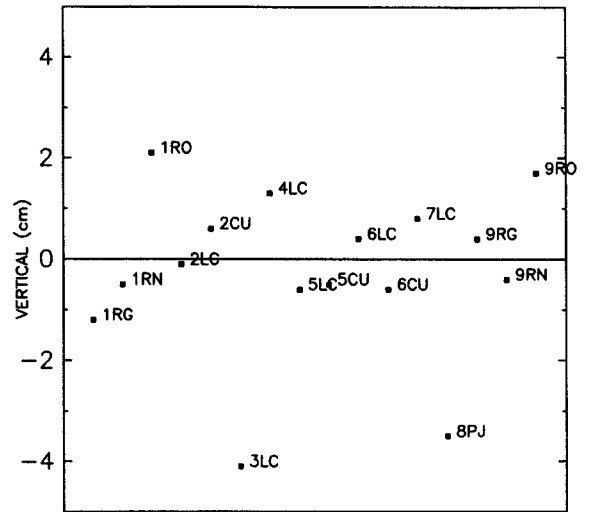
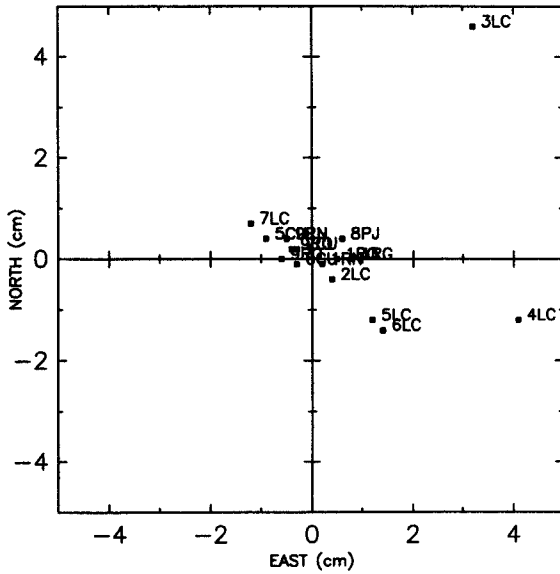
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



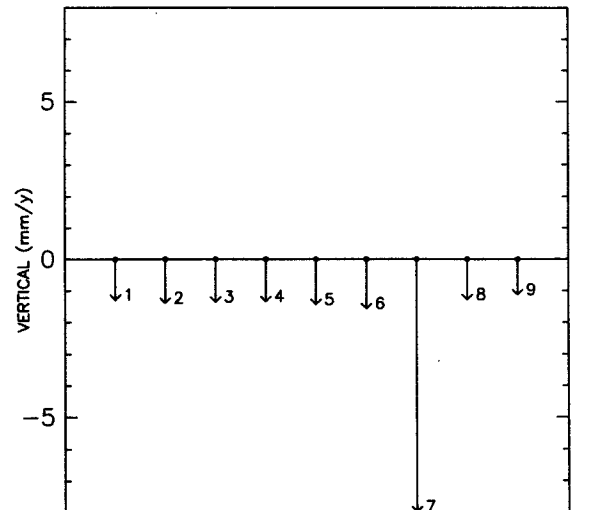
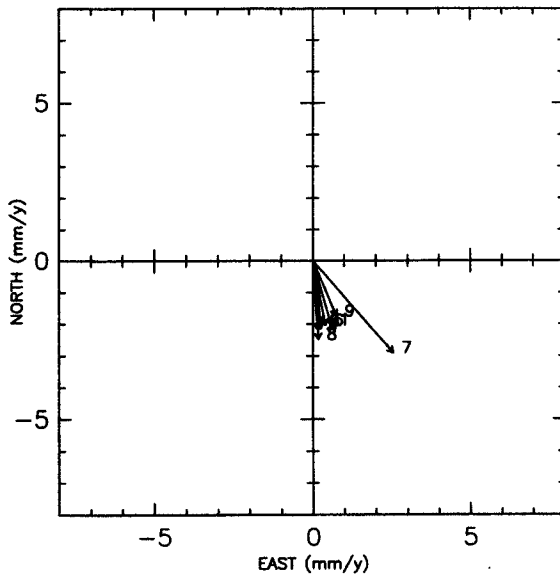
1: M001 A*
2: M002 A*

40451 WASHINGTON

POSITION RESIDUALS (cm) AT 93.0



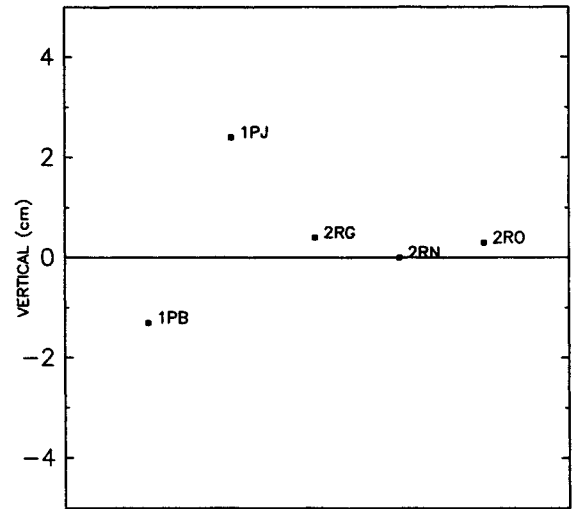
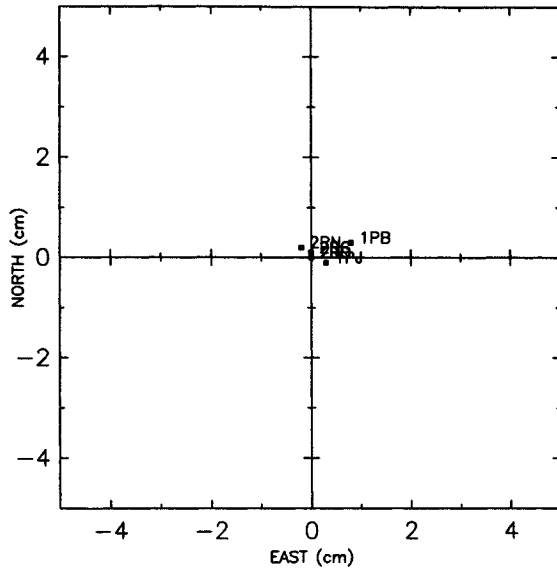
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



- 1: M102 A*
- 2: M105 A*
- 3: M114 A*
- 4: M116 A*
- 5: M117 A*
- 6: M120 A*
- 7: M121 A*
- 8: M123 A*
- 9: M125 A*

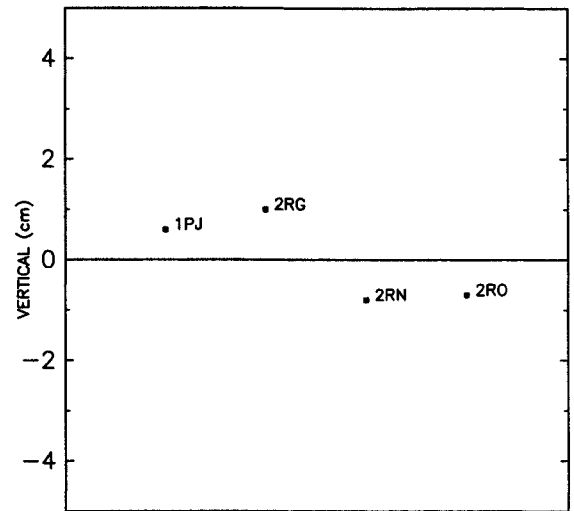
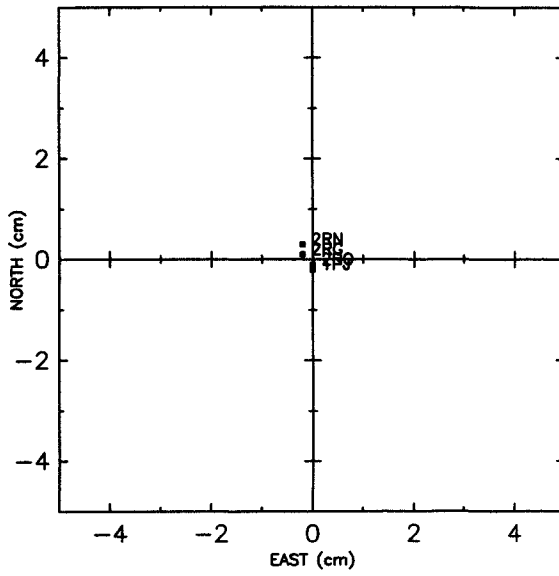
40456 PIETOWN

POSITION RESIDUALS (cm) AT 93.0

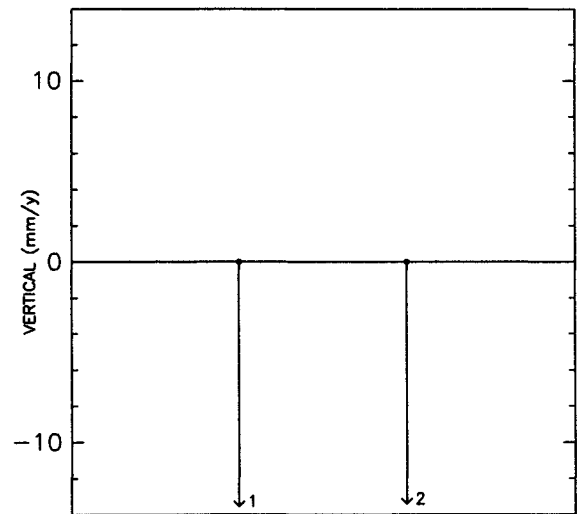
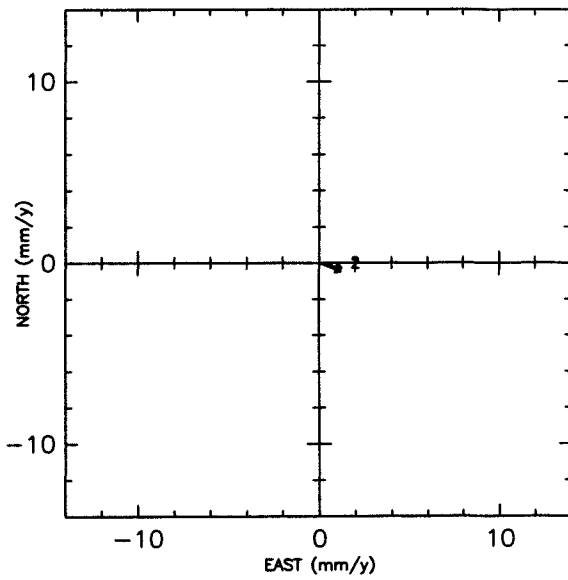


40465 NORTH LIBERTY

POSITION RESIDUALS (cm) AT 93.0



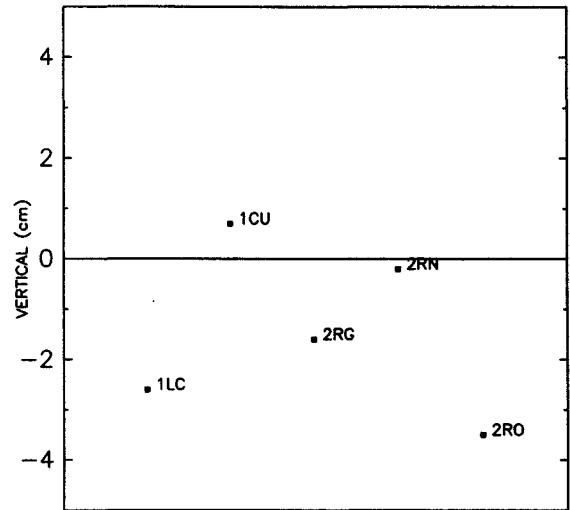
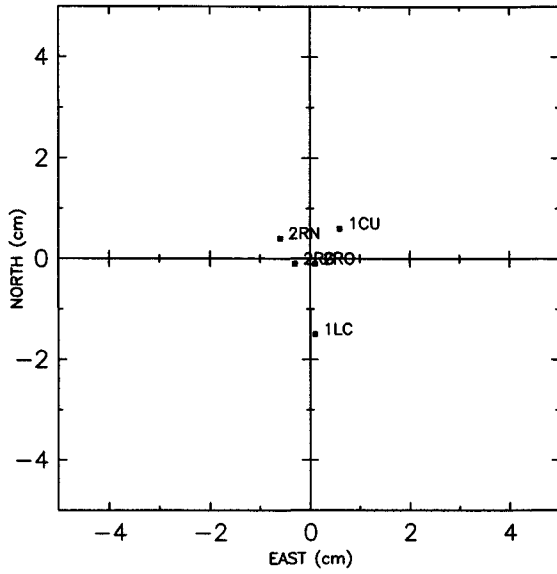
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



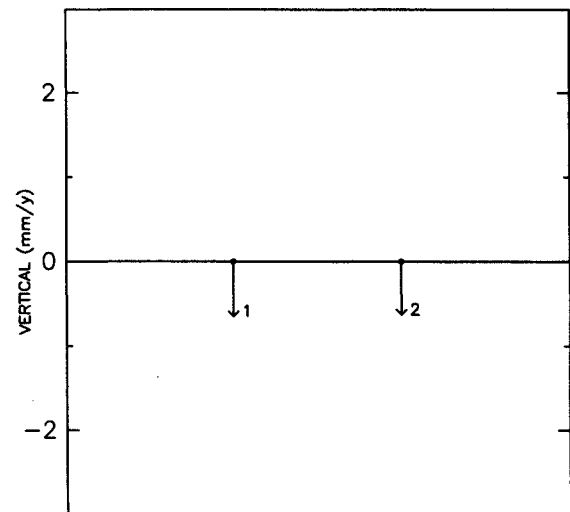
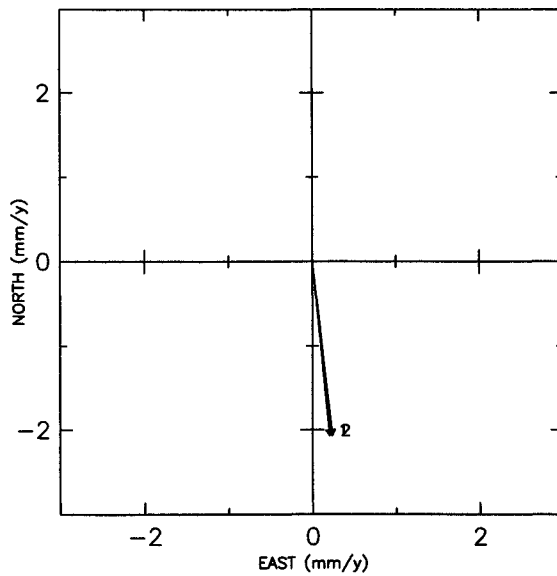
- 1: M001 B*
- 2: S001 B*

40496 PLATTEVILLE

POSITION RESIDUALS (cm) AT 93.0



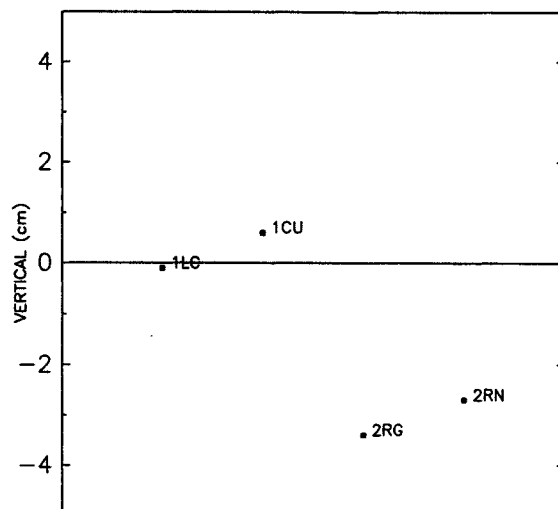
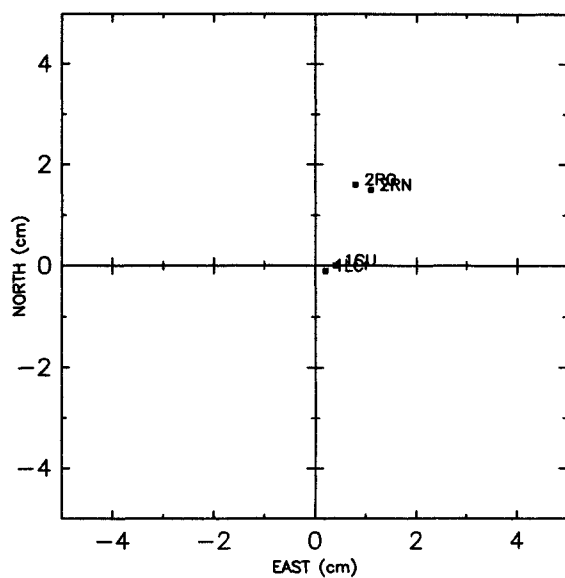
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



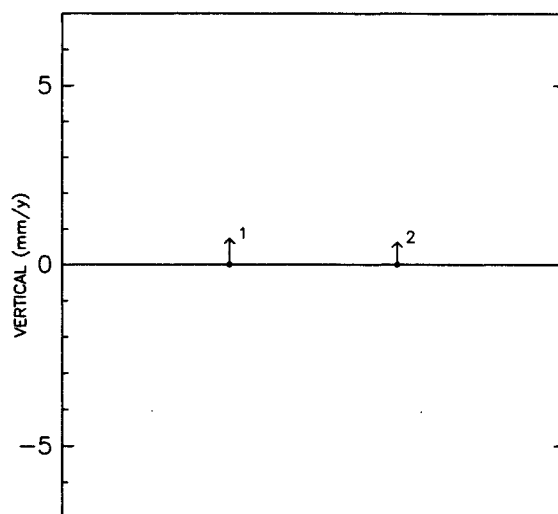
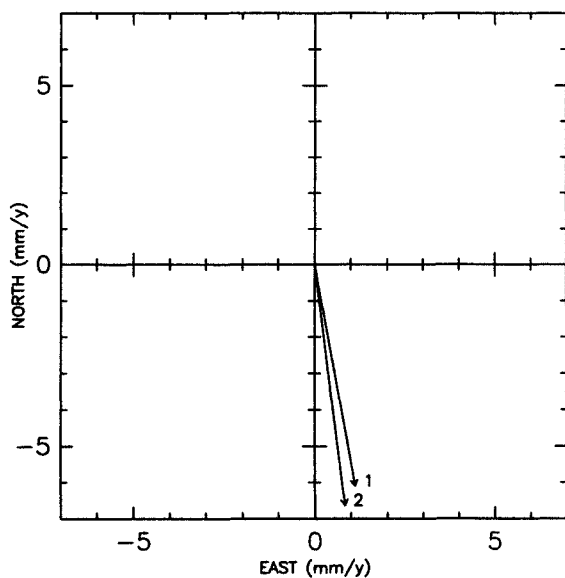
1: M001 A*
2: M002 A*

40497 MONUMENT PEAK

POSITION RESIDUALS (cm) AT 93.0



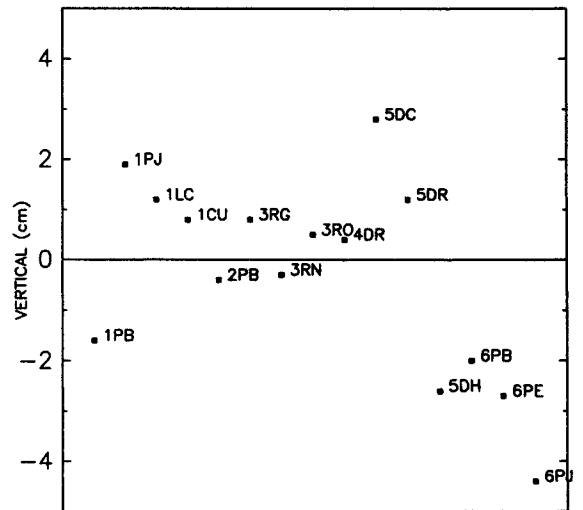
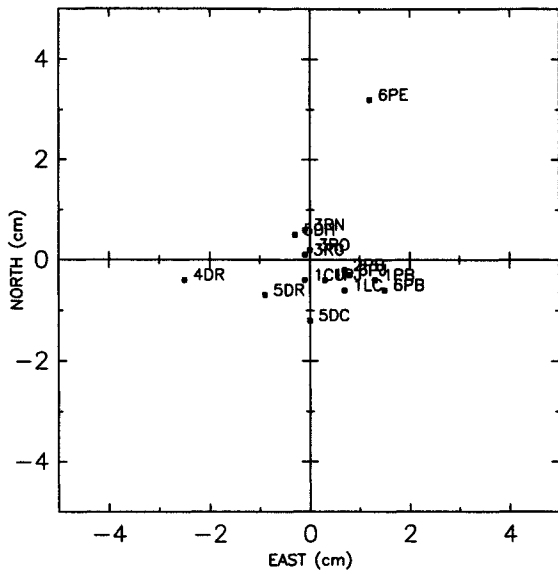
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



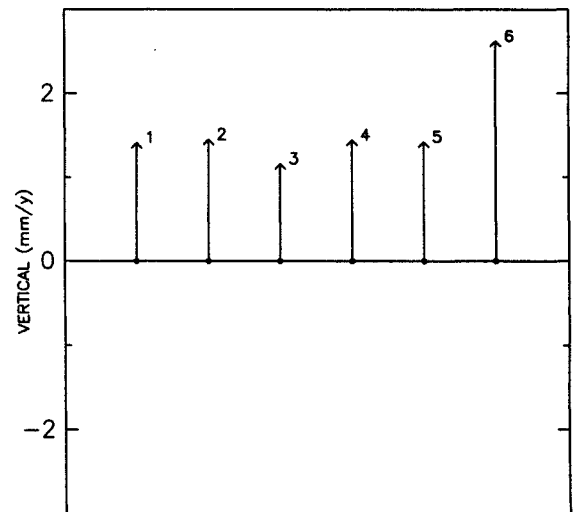
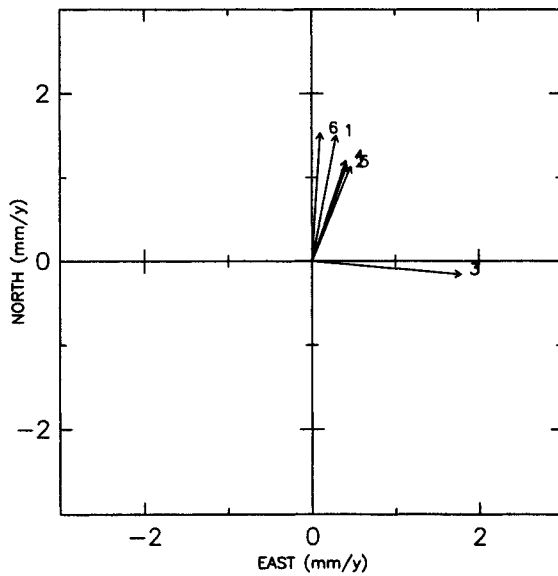
- 1: M001 B*
- 2: M003 B*

40499 RICHMOND

POSITION RESIDUALS (cm) AT 93.0



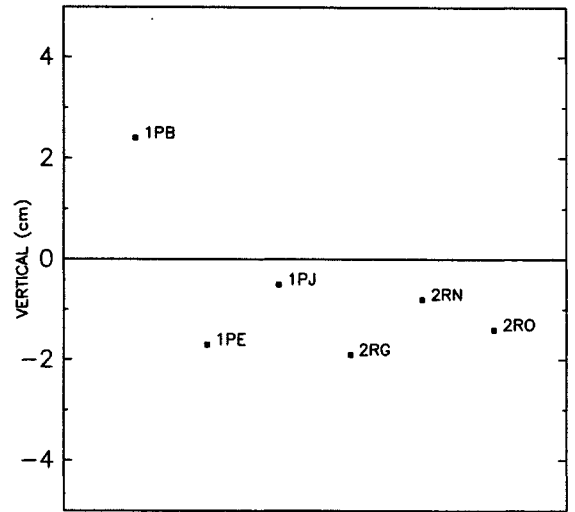
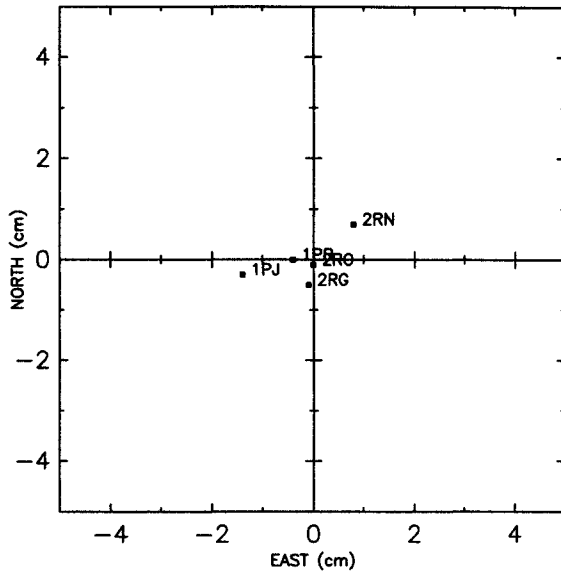
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



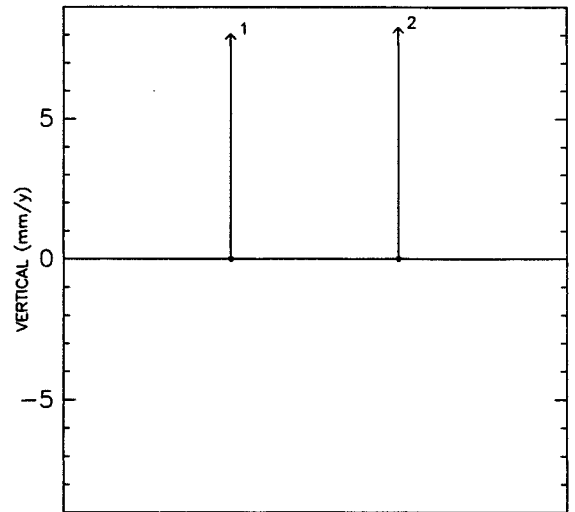
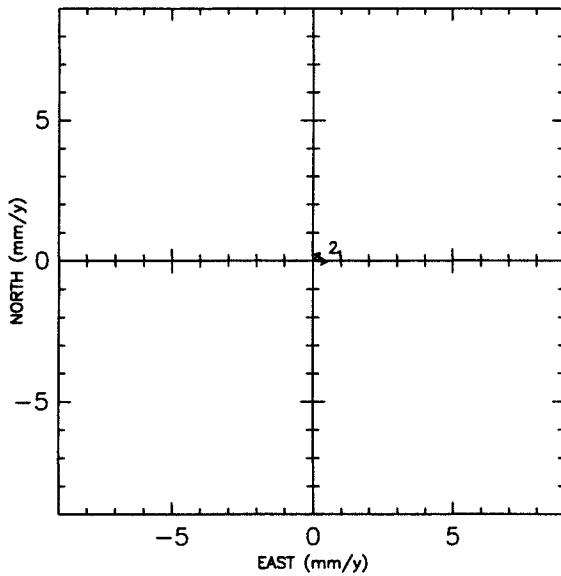
- 1: M002 A*
- 2: M005 A*
- 3: S001 A*
- 4: S015 A*
- 5: S016 A*
- 6: S018 A*

41602 FORTALEZA

POSITION RESIDUALS (cm) AT 93.0



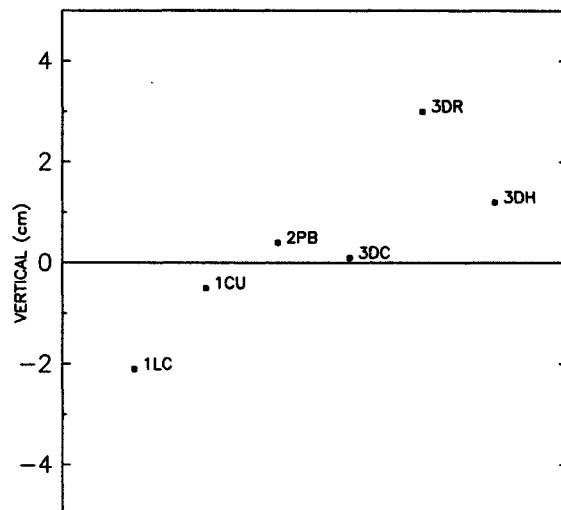
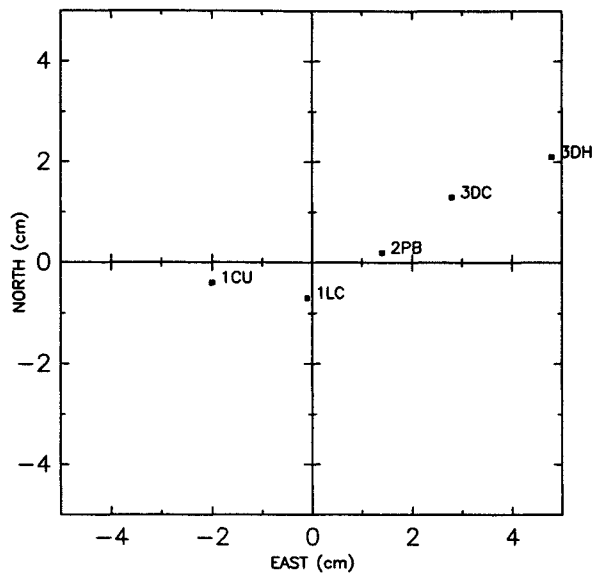
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



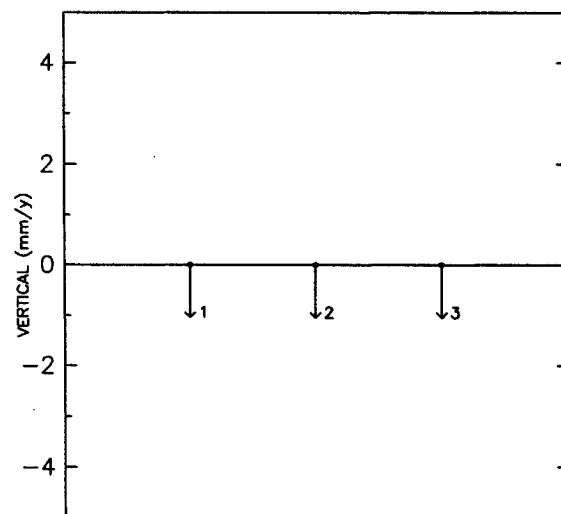
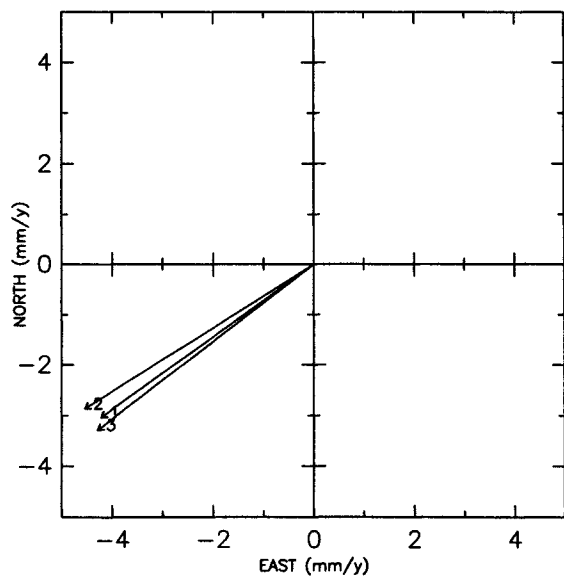
- 1: M001 B*
- 2: S001 B*

41703 EASTER ISLAND

POSITION RESIDUALS (cm) AT 93.0



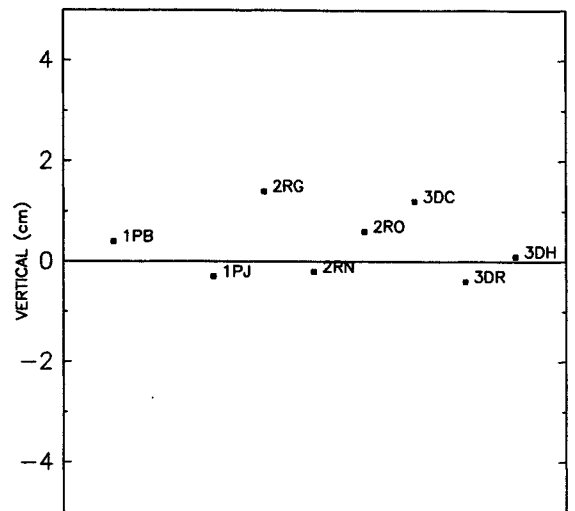
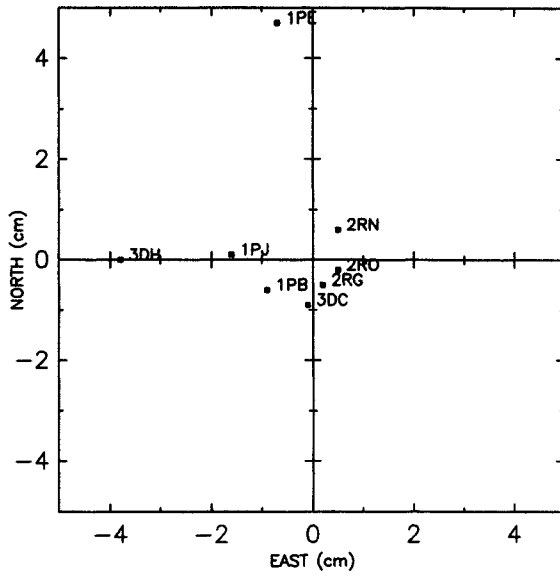
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



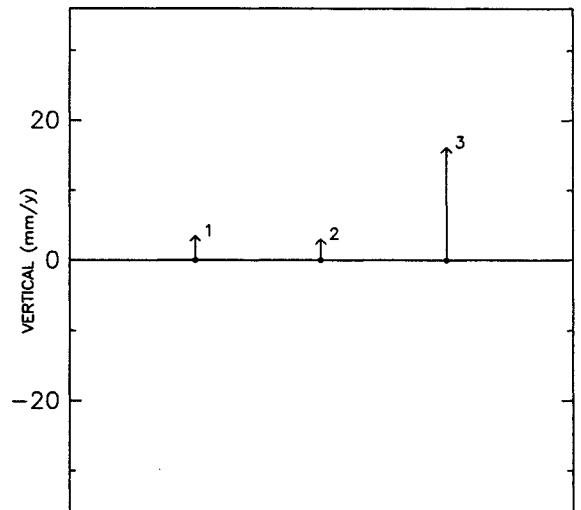
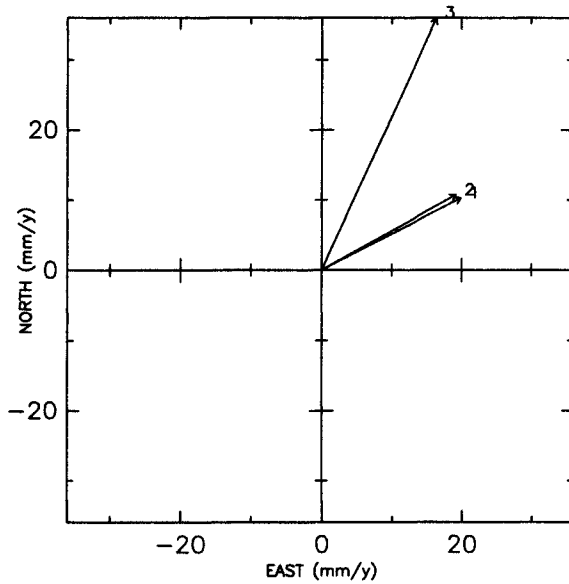
- 1: M002 B*
- 2: M003 B*
- 3: S008 B*

41705 SANTIAGO

POSITION RESIDUALS (cm) AT 93.0



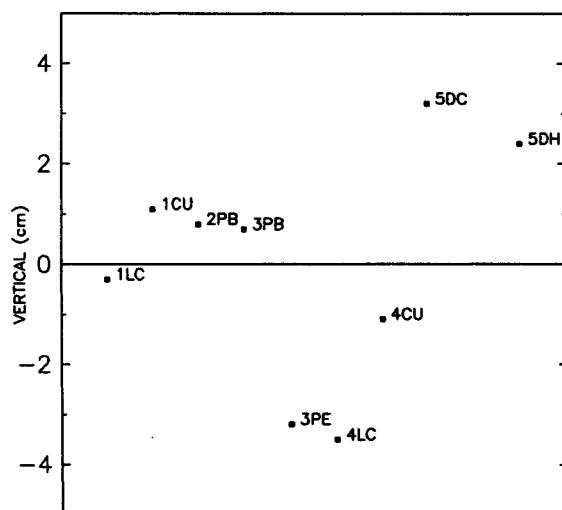
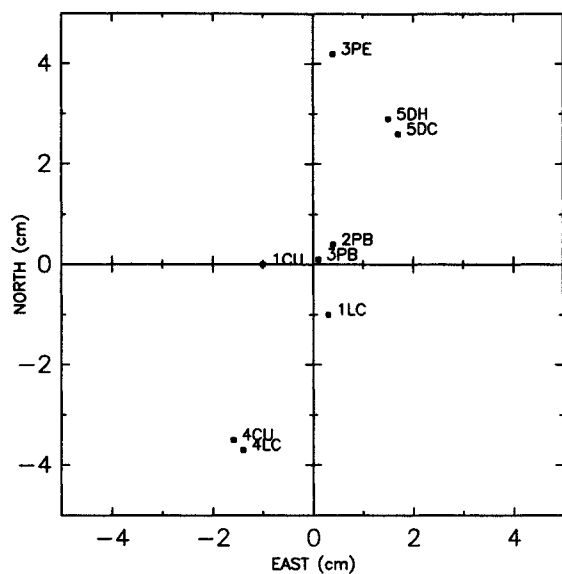
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



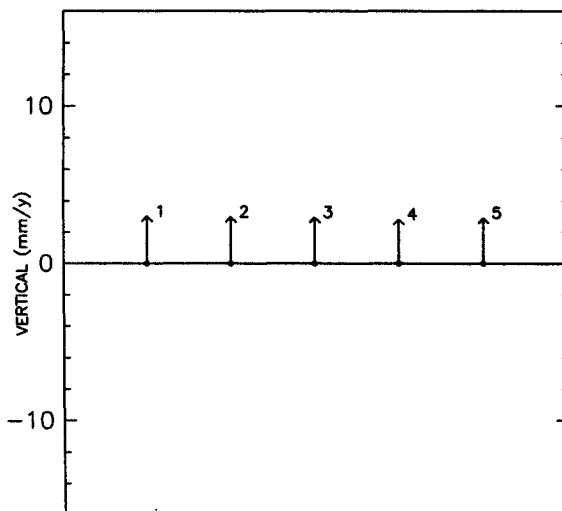
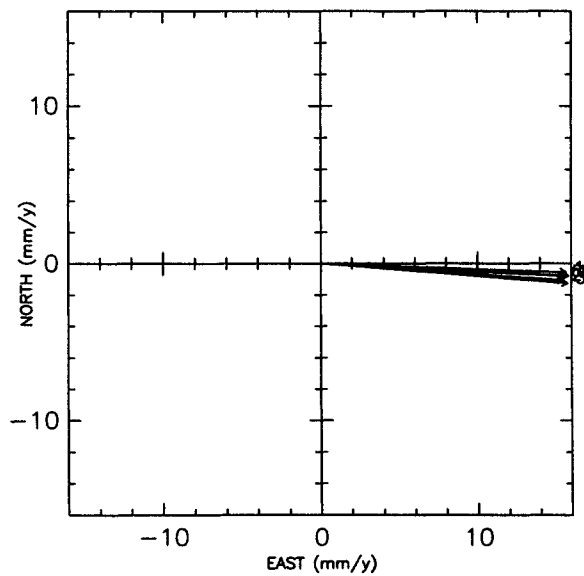
- 1: M003 B*
- 2: S006 B*
- 3: S007 B*

42202 AREQUIPA

POSITION RESIDUALS (cm) AT 93.0



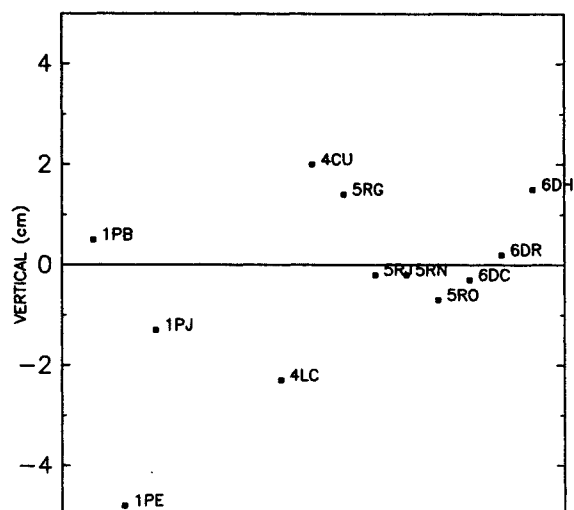
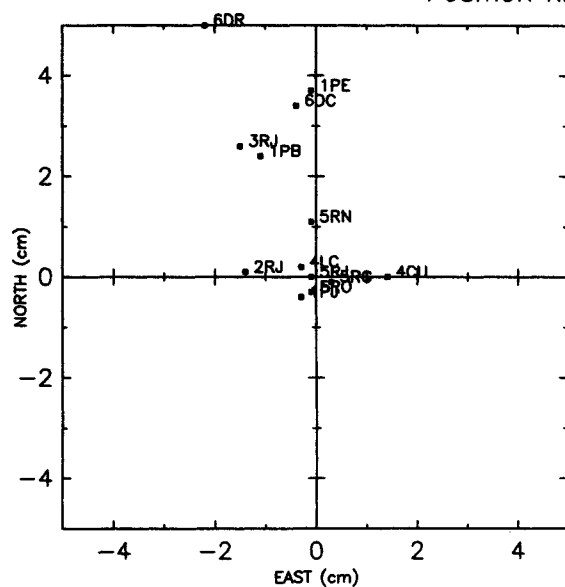
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



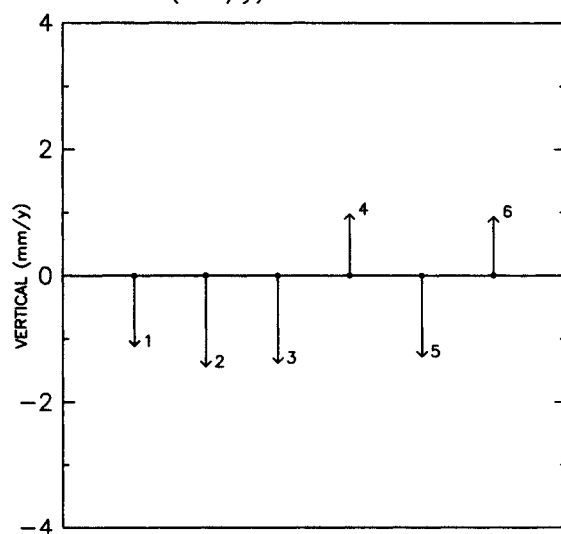
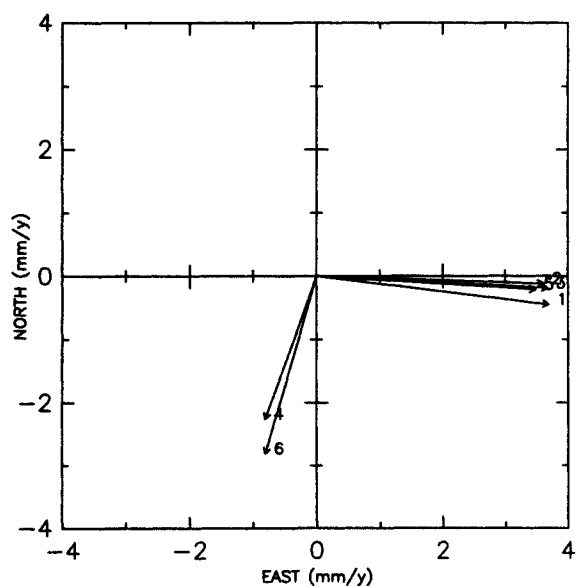
- 1: M003 B*
- 2: M004 B*
- 3: M005 B*
- 4: S001 B*
- 5: S005 B*

50103 CANBERRA

POSITION RESIDUALS (cm) AT 93.0



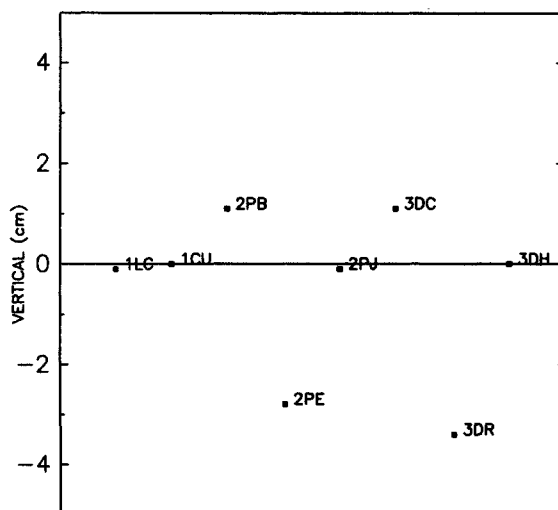
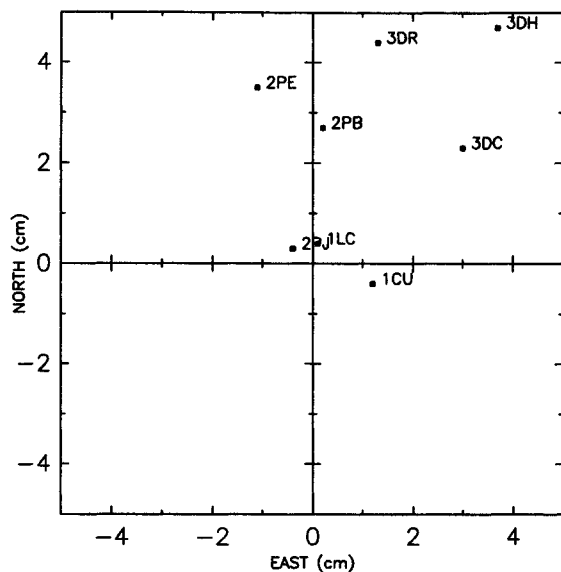
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



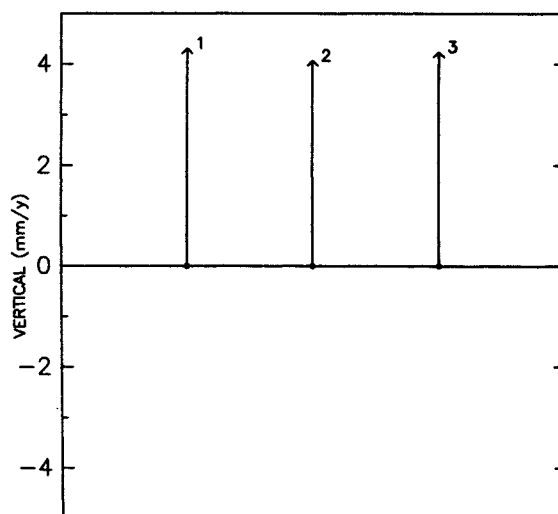
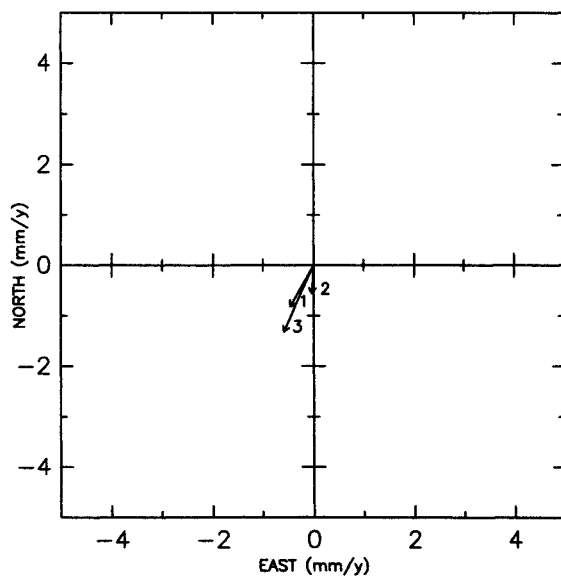
- 1: M108 B*
- 2: S001 B*
- 3: S005 B*
- 4: S007 B*
- 5: S010 B*
- 6: S201 B*

50107 YARRAGADEE

POSITION RESIDUALS (cm) AT 93.0



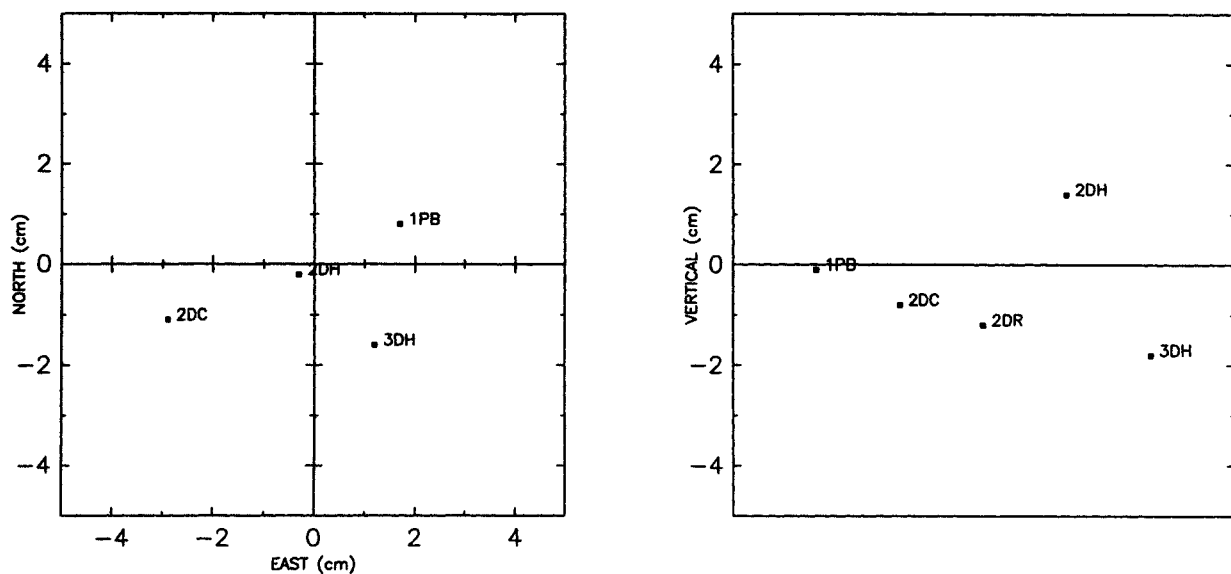
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



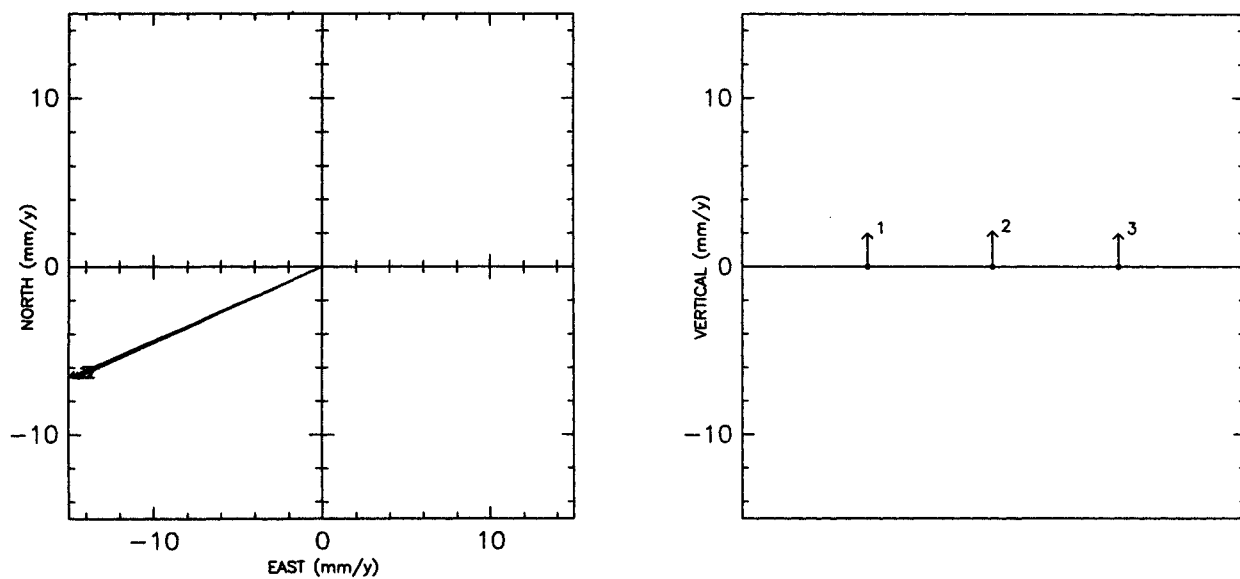
- 1: M001 B*
- 2: M004 B*
- 3: S006 B*

91201 KERGUELEN

POSITION RESIDUALS (cm) AT 93.0



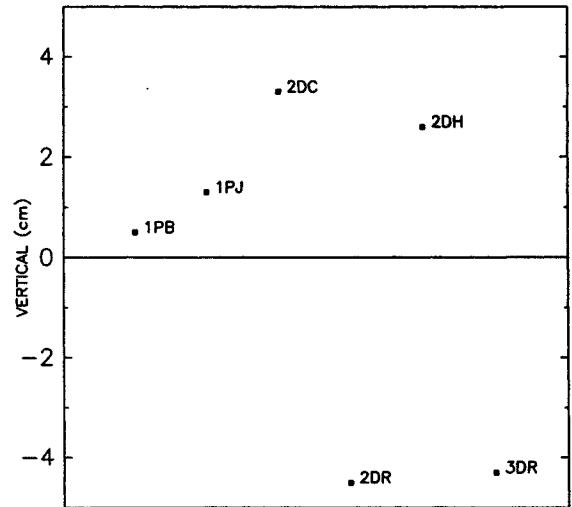
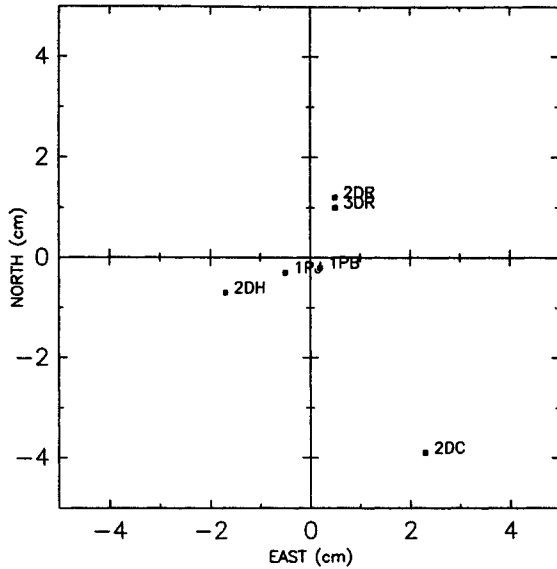
VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



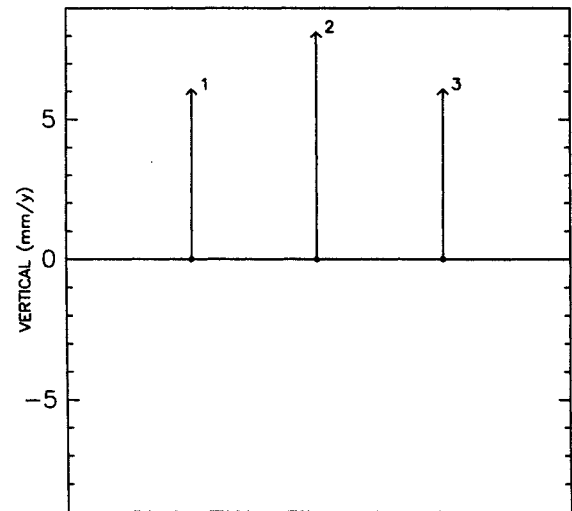
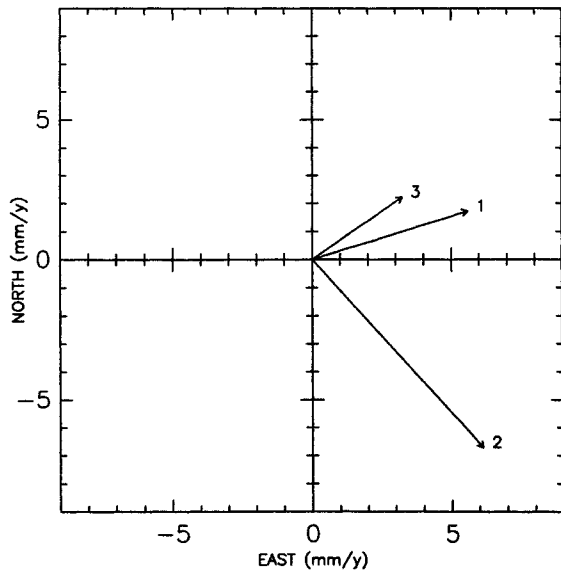
- 1: M002 B*
- 2: S002 B*
- 3: S003 B*

97301 KOUROU

POSITION RESIDUALS (cm) AT 93.0



VELOCITY RESIDUALS WRT NNR-NUVEL1A (mm/y)



- 1: M210 B*
- 2: S004 B*
- 3: S005 B*

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Dépôt légal 2^e trimestre 1996