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

RATES OF CHANGE OF THE TRANSFORMATION PARAMETERS FROM ITRF94 TO INDIVIDUAL VELOCITY FIELDS

(time derivative of the formula p. T-83)

SOLUTION		T1	T2	T3	D	R1	R2	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