Table T7

TRANSFORMATION PARAMETERS FROM ITRF93 TO INDIVIDUAL FRAMES AT EPOCH 1988.0 (To be used with the formula below)

SOLUTION	T1 cm	T2 cm	T3 cm	D (10**-8)	R1 .001"	R2 .001"	R3 .001"	
VERY LONG BASELINE INTERFEROMETRY								
SSC(GIUB) 94 R 01	1.5	1.2	3.2	-0.44	0.17	-1.17	-0.08	
	1.1	1.0	1.0	0.13	0.36	0.38	0.44	
SSC(GSFC) 94 R 01	-0.2	1.5	1.3	-0.11	1.72	0.22	0.76	
	0.5	0.5	0.5	0.07	0.22	0.19	0.14	
SSC(JPL) 94 R 01	-0.5	0.7	-0.6	-0.03	0.08	-0.15	1.02	
	1.1	1.0	1.2	0.16	0.43	0.51	0.45	
SSC(NOAA) 94 R 01	0.2	1.8	1.4	-0.14	1.08	-0.67	0.98	
	0.5	0.5	0.5	0.07	0.22	0.19	0.14	
SSC(USNO) 94 R 03	-0.7	-0.4	0.4	-0.06	-0.69	0.76	-0.85	(1)
	0.2	0.2	0.2	0.03	0.10	0.09	0.07	
SSC(NAOMZ)94 R 02	1.7	1.0	0.9	-0.17	0.43	-1.33	0.74	(1)
	0.4	0.4	0.4	0.04	0.17	0.16	0.09	
LUNAR LASER RANGING								
SSC(FSG) 94 M 01	-1.8	5.4	25.8	-1.09	9.31	-4.48	-33.69	(1)
	9.7	12.0	12.2	0.78	6.81	4.69	1.90	
SSC(JPL) 94 M 01	-2.8	0.2	0.7	-2.59	0.38	-1.11	-51.07	(1)
	2.0	2.4	2.1	0.26	1.13	0.77	0.58	
SSC(SHA) 94 M 01	-12.5	-0.5	4.5	-2.72	2.98	0.97	2.04	(1)
	4.4	5.1	4.6	0.57	2.46	1.67	1.26	
SSC(UTXMO)94 M 01	-1.4	-3.5	8.1	-3.36	-4.86	-0.39	53.02	(1)
	8.0	11.6	6.5	1.42	2.74	1.86	5.44	
GLOBAL POSITIONING SYSTEM								
SSC(JPL) 94 P 01	-0.2	-0.5	0.2	0.06	-0.24	-0.61	0.69	
	1.0	1.0	0.9	0.14	0.40	0.37	0.32	
SATELLITE LASER RANGING								
SSC(CSR) 94 L 01	0.0	0.0	0.0	0.00	-0.35	-0.99	-1.31	
SSC(GFZ) 94 L 01	2.0	0.9	2.8	0.11	0.21	-1.09	0.69	
	0.5	0.5	0.5	0.08	0.20	0.20	0.18	
SSC(GSFC) 94 L 01	0.8	-1.1	-1.3	-0.09	-0.38	0.37	-0.36	
	0.4	0.4	0.4	0.07	0.18	0.18	0.15	

SSC(GAOUA)94 L 02	-0.5	-0.6	0.0	0.48	0.00	0.74	-0.05	(1)
	0.7	0.7	0.7	0.10	0.28	0.29	0.25	
COMBINED (SLR AND GPS)								
SSC(DUT) 94 C 01	2.0	0.6	-0.1	-0.04	0.45	-1.38	1.00	
	0.4	0.4	0.4	0.06	0.17	0.16	0.13	
ITRF92	0.2	0.7	0.7	-0.12	0.39	-0.80	0.96	(1)
	0.1	0.1	0.1	0.02	0.06	0.05	0.04	

(1) Values obtained by comparison to the global combination at epoch 1988.0

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

WHERE X,Y,Z ARE THE COORDINATES IN THE GLOBAL SYSTEM, AND XS,YS,ZS ARE THE COORDINATES IN THE INDIVIDUAL SYSTEM.