Table T3: Local eccentricities for IERS sites

		DX/sigX m	DY/sigY m	DZ/sigZ m	Ref.
10002 GRASSE					
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)
	M006	-0.632	-44.858	1.199	Ref: (3)
10003 TOULOUSE					
M003	S001	97.450	-173.325	-75.239	Ref: (3)
		0.003	0.003	0.003	
M003	M004	-103.8755	-214.4924	136.6852	Ref: (3)
S001	S003	646.213	314.389	683.489	Ref: (3)
10004 BREST					
M002	S001	1.232	-0.097	1.393	Ref: (3)
		0.003	0.003	0.003	
10302 TROMSO					
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					
M001	S002	363.330	1536.449	-158.180	Ref: (3)
		0.003	0.003	0.003	
10402 ONSALA					
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

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

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

12205 BOROWIEC

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

12302 RIGA

M002	S002	-3.401	18.661	-6.963	Ref: (20)
	M001	14.834	-4.832	-13.919	Ref: (20)

12334 KITAB

M001	S004	79.2680	56.6888	-90.1138	Ref: (20)
		.0015	.0015	.0015	

12602 DIONYSOS

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

12711 BOLOGNA-MEDICINA

M002	S001	-29.531	29.904	48.556	Ref: (1,2)
		0.001	0.001	0.005	
M002	M003	1.386	26.495	-5.965	Ref: (20)
		.0015	.0015	.0015	

12717 NOTO

M001	S001	34.242	67.907	-38.223	Ref: (5)
		0.003	0.003	0.003	
M001	M003	-0.220	128.861	-43.217	Ref: (20)
		.0015	.0015	.0015	

12734 MATERA

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

13212 HERSTMONCEUX

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

13407 MADRID

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

13504 KOOTWIJK

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

14001 ZIMMERWALD

S001	M004	13.680	6.012	-6.242	Ref: (20)
		0.003	0.003	0.003	

14106 POTSDAM

S009	M003	50.091	95.219	-40.438	Ref: (20)
		0.003	0.003	0.003	

14201 WETTZELL

S002	S004	10.003	-46.149	11.072	Ref: (3,4)
		0.003	0.003	0.003	

	M004	52.559	55.916	-58.337	Ref: (11)
		0.003	0.003	0.003	
	M005	72.017	45.135	-70.501	Ref: (11)
		0.003	0.003	0.003	
	M009	48.700	71.268	-48.250	Ref: (15)
		0.003	0.003	0.003	
	S018	46.976	4.049	-34.728	Ref: (5)
		0.003	0.003	0.003	
	M010	50.805	72.249	-50.245	Ref: (20)
		0.003	0.003	0.003	
	M003	21.341	44.130	-30.432	Ref: (11)
		0.003	0.003	0.003	
	M006	49.387	25.829	-47.290	Ref: (11)
		0.003	0.003	0.003	

20805 ANKARA

M001	M002	14.2608	-2.0499	-11.4556	Ref: (20)
		0.0075	0.0079	0.0048	

21605 SHANGHAI

S001	S009	-598.875	-469.603	154.995	Ref: (2)
		0.010	0.010	0.010	
S001	S009	-598.7945	-469.6798	154.8482	Ref: (23) (update)

21730 TSUKUBA

S001	S005	-26.306	-38.284	2.761	Ref: (20)
		0.003	0.003	0.003	

21732 CHICHIJIMA

S001	S002	-1716.283	-1462.147	-539.508	Ref: (10)
		0.040	0.040	0.040	

30302 HARTEBEESTHOEK

S001	M002	-817.332	2103.129	203.079	Ref: (3)
		0.010	0.010	0.010	
	S202	-801.257	2086.234	199.848	Ref: (3)
		0.010	0.010	0.010	
M002	M007	-.145	-.374	-.623	Ref: (24)

31903 SANTA MARIA / 31906 SAO MIGUEL

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    /M001  S001    65216.646   17120.897  -67374.720  Ref: (3)
                       0.040       0.040       0.040

33710 ARLIT
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     S001 S002    -1362.690   -2163.732    4825.937  Ref: (3)
                       0.006       0.006       0.006


40102 OTTAWA / 40104 ALGONQUIN
------------------------------
    /M002 /S001      -94.756     -61.021     -6.665  Ref: (12)
                       0.003       0.003       0.003
          /M003       83.510       4.669    -20.142  Ref: (20)
                       0.003       0.003       0.003
           S005   189494.025   -1182.617  -43239.634  Ref: (3)
                       0.050       0.050       0.050

40104 ALGONQUIN (see 40102 OTTAWA)

40105 PENTICTON
---------------
     M001  M002     -324.180     178.052     11.636  Ref: (19)
                       0.003       0.003       0.003

40127 YELLOWKNIFE
-----------------
     M001  M003     -327.855     314.587     82.910  Ref: (20)
                       0.003       0.003       0.003
           M004     -274.922     257.432     64.914  Ref: (20)
                       0.003       0.003       0.003
           S007     -299.391     303.283     89.824  Ref: (3)
                       0.003       0.003       0.003

40129 VICTORIA
--------------
     M001  M003      -22.740      34.377     23.036  Ref: (20)
                       0.003       0.003       0.003

40400 PASADENA
--------------
     M003  M001       94.064     -31.945     55.121  Ref: (2)
                       0.003       0.002       0.002
           M006        1.987     -18.063    -22.052  Ref: (12)
                       0.003       0.003       0.003
           M005      -21.464      19.012     10.889  Ref: (5)
                       0.003       0.003       0.003

40405 GOLDSTONE
---------------
     S009  M013     -323.113     148.213    -43.993  Ref: (2)
                       0.007       0.013       0.010
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	M006	-304.746	137.590	-45.871	Ref: (3)
		0.003	0.003	0.003	
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	
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	
M002	S014	-267.503	69.179	-40.943	Ref: (2)
		0.002	0.003	0.002	
M002	S037	3.047	0.448	6.936	Ref: (3)
		0.002	0.002	0.002	
S037	S005	0.028	0.055	-0.044	Ref: (3)
		0.002	0.002	0.002	

40407 PINYON FLATS

M001	M002	125.588	117.655	279.910	Ref: (12)
		0.003	0.003	0.003	

40408 FAIRBANKS

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

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	

40424 KAUAI

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

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

40433 QUINCY

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

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	
/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

M002	M001	5.825	1.270	3.391	Ref: (5)
		0.003	0.003	0.003	

40439 OWENS VALLEY

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	

40440 WESTFORD

M001	S002	-48.865	12.264	65.806	Ref: (2,3)
		0.001	0.002	0.002	
	S003	-247.002	-851.720	-800.428	Ref: (2,3)

		0.003	0.004	0.004	
S003	S020	26.807	40.999	30.496	Ref: (20)
		0.100	0.100	0.100	

40442 FORT DAVIS

M001	S001	4.356	-5.631	-3.556	Ref: (3)
		0.003	0.003	0.003	
	S002	-655.977	-228.944	-452.568	Ref: (3)
		0.003	0.003	0.003	
	M005	0.000	0.000	0.000	Ref: (3)
		0.003	0.003	0.003	
	S003	5914.397	-3496.510	-4031.862	Ref: (2)
		0.004	0.012	0.007	
	M008	117.202	135.062	352.484	Ref: (5)
		0.003	0.003	0.003	
S003	M006	-5810.069	3621.294	4362.423	Ref: (2)
		0.003	0.010	0.006	
	M009	-16.971	-39.906	-95.339	Ref: (5)
		0.003	0.003	0.003	
	S017	201.879	-158.810	-155.893	Ref: (6)
		0.003	0.003	0.003	
M008	M012	9.512	-1.795	1.484	Ref: (6)
		0.003	0.003	0.003	

40445 MAUI

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

40451 WASHINGTON

M105	M112	-4.947	-17.162	-19.125	Ref: (3)
		0.003	0.003	0.003	
	M106	635.813	182.229	25.164	Ref: (3)
		0.003	0.003	0.003	
	M101	520.577	170.825	41.961	Ref: (3)
		0.003	0.003	0.003	
	M102	-33.112	-2.452	4.398	Ref: (3)
		0.003	0.003	0.003	
	M103	-34.066	1.868	9.839	Ref: (3)
		0.003	0.003	0.003	
	M104	376.110	153.626	64.228	Ref: (3)
		0.003	0.003	0.003	
	M111	645.036	181.778	22.412	Ref: (3)
		0.003	0.003	0.003	
	M125	75.125	116.762	110.510	Ref: (3)
		0.003	0.003	0.003	

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

40456 PIETOWN

S001	M001	36.916	34.827	35.255	Ref: (5)
		0.003	0.003	0.003	

40465 NORTH LIBERTY

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

40491 FLAGSTAF

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

40496 PLATTEVILLE

M001	M002	-29.894	9.036	1.025	Ref: (2)
		0.001	0.001	0.001	

40497 MONUMENT PEAK (see 40436 SAN DIEGO-OTAY MOUNTAIN)

40499 RICHMOND

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

S003	S002	-202.980	30.260	-148.510	Ref: (3)	
		0.003	0.003	0.003		

41507 RIO GRANDE

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

41602 FORTALEZA

M001	S001	-16.598	-21.732	-45.805	Ref: (20)	
		0.003	0.003	0.003		

41703 EASTER ISLAND

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

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		
S007	S006	-6653.688	-17960.224	22748.646	Ref: (3)	
		0.100	0.100	0.100		
S007	S006	-6653.652	-17960.224	22748.646	Ref: (3)	(update)
S008	M001	-0.674	1.921	1.330	Ref: (3)	

42202 AREQUIPA

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-ORRORAL-TIDBINBILLA

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	
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	
S007	S202	6.249	-24.942	-23.008	Ref: (3)

50107 YARRAGADEE

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	

50501 GUAM

M002	S001	-3965.701	-3252.703	-5313.389	Ref: (3)
		.005	.005	.005	

50505 KWAJALEIN ATOLL

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

66008 O'HIGGINS

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

91201 KERGUELEN

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	

91501 ILE DES PETRELS

S001	M001	175.663	-175.752	-104.366	Ref: (3)

92201 PAPEETE

M006	S007	-11.033	16.403	0.416	Ref: (3)

92202 HUAHINE

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

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.

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