

Table 4. Observations and residuals.

WDS 02022+3643 = A 1813						
t	θ_t	ϱ	n	Obs	$\Delta\theta$	$\Delta\varrho$
1908.8100	338.9	0.70	3	A 1908c	-5.4	-0.067
1918.6600	324.8	0.85	1	A 1929a	-2.2	0.044
1919.6800	325.6	0.75	2	A 1929a	0.4	-0.052
1921.6600	322.2	0.83	1	A 1929a	0.5	0.037
1930.7500	308.6	0.67	1	A 1933d	4.4	-0.068
1932.8000	297.5	0.68	2	A 1933d	-2.4	-0.047
1933.7600	291.2	0.78	1	Kui1961b	-6.6	0.057
1934.8400	290.1	0.68	1	A 1937b	-5.4	-0.038
1947.6800	266.0	0.61	1	Jef9999	-1.0	-0.118
1958.6600	259.2	0.85	2	B 1960b	13.0	0.023
1961.0100	248.1	0.64	3	Cou1962a	5.7	-0.217
1968.7420	235.2	0.77	1	Cou1972e	3.3	-0.199
1971.8600	229.5	1.01	4	Hei1975a	1.2	-0.008
1972.8870	231.5	1.16	3	Wor1978	4.3	0.125
1976.9200	227.5	1.00	3	Hei1978b	4.2	-0.102
1991.2500	216.0	1.421	1	HIP1997a	3.6	0.074
1991.5000	215.7	1.43	1	TYC2002	3.4	0.078
1999.8856	207.6	1.494	1	Hor2002a	0.0	0.000
2001.7860	206.1	1.39	1	Mor2002	-0.6	-0.136

Table 4. continued.

WDS 18239+5848 = STF 2323 AB						
t	θ_t	ϱ	n	Obs	$\Delta\theta$	$\Delta\varrho$
1780.78	12.9	2.50	1	H 1906A	2.4	-0.305
1823.63	3.9	3.60	1	SHJ1824	-1.3	0.415
1825.55	5.3	3.59	4	S 1826	0.3	0.390
1833.20	6.0	3.14	7	StF1837	1.8	-0.115
1836.39	5.5	3.3	1	Smy1844	1.7	0.022
1843.38	4.1	3.10	3	Mad1844	1.0	-0.224
1845.71	0.2	3.22	3	PhM1861	-2.7	-0.119
1846.70	0.5	3.22	2	PhM1861	-2.3	-0.125
1852.74	4.1	3.35	4	Mad1856	1.9	-0.032
1855.18	0.4	3.13	2	D 1883	-1.5	-0.267
1856.58	359.6	3.44	2	Mrt1861	-2.2	0.035
1857.59	2.5	3.36	3	Se 1860b	0.8	-0.050
1860.13	2.6	3.18	1	Mad1906A	1.1	-0.245
1863.17	357.6	3.67	3	Stt1878	-3.6	0.229
1865.44	3.9	3.76	1	Mai1865	2.9	0.307
1865.44	3.9	3.76	1	Mad1906A	2.9	0.307
1865.48	0.9	3.44	7	D 1884	0.0	-0.013
1873.58	0.7	3.97	3	WS 1875	0.5	0.476
1876.80	0.5	3.85	5	Nob1906A	0.6	0.341
1879.546	0.9	3.64	3	Hl 1877a	1.3	0.118
1879.73	357.1	3.63	5	Smt1881	-2.5	0.107
1879.74	359.8	3.69	4	Hod1881	0.2	0.167
1879.76	359.6	3.45	3	Hod1881	0.0	-0.073
1881.22	358.5	3.52	2	Big1883	-1.0	-0.009
1883.50	359.1	3.59	6	Eng1885b	-0.2	0.051
1883.76	0.1	3.62	4	Frz1885	0.9	0.079
1889.616	358.4	3.63	3	Hl 1888	-0.3	0.065
1889.62	358.0	3.64	1	Kin1928	-0.7	0.075
1891.48	359.6	3.78	1	See1906A	1.1	0.208
1891.49	359.52	3.78	1	See1892	1.0	0.208
1894.53	0.9	3.62	2	Glp1895	2.6	0.036
1895.72	355.5	3.41	3	Maw1899	-2.7	-0.178
1896.41	356.2	3.56	1	Ser1916	-1.9	-0.031
1899.53	0.8	3.20	1	Bry1899	3.0	-0.402
1901.16	357.53	3.47	2	Es 1902b	-0.2	-0.138
1901.91	355.4	3.59	3	Maw1904	-2.2	-0.020
1903.10	358.4	3.68	3	Dob1927	0.9	0.066
1904.74	355.2	3.747	2	WFD1927c	-2.2	0.127
1904.87	355.6	3.72	1	Frm1907	-1.8	0.100
1909.25	357.0	3.54	4	Has1911	0.0	-0.094
1909.50	358.1	3.52	3	Dob1927	1.1	-0.115
1910.52	357.8	3.70	2	Edd1921	0.9	0.062
1912.50	356.5	3.66	4	Neu1923	-0.2	0.016
1914.38	355.5	3.45	3	Phl1915	-1.0	-0.199
1914.43	356.8	3.52	3	Vys1936	0.3	-0.129
1918.38	357.4	3.60	1	Gui1931	1.2	-0.060
1918.64	357.7	3.43	4	Es 1919	1.5	-0.231

Table 4. continued.

WDS 18239+5848 = STF 2323 AB						
t	θ_t	ϱ	n	Obs	$\Delta\theta$	$\Delta\varrho$
1919.00	357.4	3.85	4	VvS1919	1.3	0.188
1924.50	356.2	3.64	4	B 1925a	0.5	-0.036
1924.52	354.2	3.74	2	Blo1931	-1.5	0.064
1925.603	357.7	3.87	2	Baz1927b	2.1	0.191
1926.00	355.3	3.35	3	Dob1927	-0.2	-0.329
1926.67	350.3	3.80	5	Kom1929	-5.2	0.119
1928.10	354.7	3.79	3	Kom1935a	-0.7	0.106
1929.507	357.2	3.87	4	Arm1945	2.0	0.183
1929.51	357.2	3.87	4	Arm1949	2.0	0.183
1929.76	354.7	3.83	4	Baz1932b	-0.5	0.142
1931.48	356.3	3.80	3	Kom1933	1.2	0.108
1931.73	356.7	3.66	3	Bon1938	1.7	-0.032
1932.92	355.2	3.72	2	StG1962a	0.3	0.025
1933.68	353.4	3.76	2	Urb1938	-1.5	0.064
1937.01	350.2	3.78	3	Vat1939	-4.4	0.077
1937.54	354.3	3.66	3	Dur1938	-0.3	-0.044
1937.708	354.22	3.702	1	Jef1978	-0.3	-0.002
1937.73	354.33	3.70	1	Hzg1940	-0.2	-0.004
1937.748	353.49	3.717	1	Jef1978	-1.0	0.013
1942.69	354.3	3.71	7	Rab1953	0.2	-0.003
1942.77	353.7	3.64	3	Dur1944c	-0.4	-0.073
1945.55	353.31	3.694	1	Jef1951	-0.6	-0.024
1948.66	353.3	3.70	5	Rab1961b	-0.3	-0.022
1950.455	353.36	3.731	1	Jef1978	-0.1	0.006
1950.61	354.5	3.72	2	Mlr1950b	1.0	-0.005
1951.68	352.5	3.65	8	Rab1961b	-0.9	-0.076
1954.510	353.28	3.717	1	Gzl1962	0.1	-0.013
1954.58	352.6	3.62	3	Dju1954c	-0.5	-0.110
1955.622	352.40	3.728	1	Jef1978	-0.6	-0.003
1955.74	352.7	3.68	7	Rab1961b	-0.3	-0.052
1956.60	353.3	3.66	3	Fle1958	0.3	-0.073
1958.38	355.5	3.91	1	B 1960b	2.7	0.175
1958.45	355.1	3.73	4	B 1960b	2.3	-0.005
1958.71	352.9	3.68	4	Hei1960b	0.1	-0.055
1960.446	352.55	3.745	1	Jef1978	-0.1	0.008
1962.46	352.2	3.72	4	B 1963a	-0.3	-0.019
1965.489	352.14	3.731	1	USN1969	-0.1	-0.010
1965.492	352.25	3.732	1	USN1969	0.0	-0.009
1965.59	352.6	3.74	1	Srb1968	0.4	-0.002
1966.10	351.1	3.69	2	Srb1968	-1.1	-0.052
1968.00	352.8	3.59	5	Sta1973	0.8	-0.154
1968.63	354.5	3.77	2	Wie2001	2.5	0.026
1970.60	350.1	3.79	2	Bme1972	-1.7	0.045
1973.000	354.0	3.70	3	ClI2003	2.4	-0.047
1975.51	0.8	3.79	1	Wie2001	9.4	0.042
1975.583	351.13	3.774	1	USN1978	-0.3	0.026
1975.602	351.40	3.749	1	USN1978	0.0	0.001
1980.000	355.0	3.70	3	ClI2003	4.0	-0.050
1981.53	354.0	3.62	5	Wie2001	3.1	-0.131
1988.66	349.9	3.52	2	Stu1994	-0.4	-0.232

Table 4. continued.

WDS 18239+5848 = STF 2323 AB						
t	θ_t	ϱ	n	Obs	$\Delta\theta$	$\Delta\varrho$
1991.25	350.0	3.783	1	HIP1997a	-0.1	0.030
1991.38	350.2	3.79	1	TYC2002	0.1	0.037
1993.000	354.0	4.30	1	Roj2003	4.0	0.547
1993.51	350.0	3.89	5	Ary1994	0.1	0.138
1994.67	349.5	3.86	4	Ctt1995	-0.3	0.108
1997.56	350.9	4.03	3	Kzn1998	1.3	0.278
1998.573	349.6	3.75	1	WSI2000a	0.1	-0.002
1998.589	349.4	3.68	1	WSI2000a	-0.1	-0.072
2000.29	347.4	3.69	1	TMA2003	-2.0	-0.062

Table 4. continued.

WDS 18443+3940 = STF 2382 AB						
t	θ_t	ϱ	n	Obs	$\Delta\theta$	$\Delta\varrho$
1779.83	33.9	3.44	1	H 1782A	1.3	0.077
1819.69	29.3	3.83	1	StF1833A	3.0	0.536
1821.02	25.7	3.71	1	StF1833A	-0.3	0.418
1821.86	27.5	3.43	2	StF1837	1.6	0.140
1822.12*	25.9	4.01	5	StF1833A	0.0	0.720
1829.80	24.4	3.56	1	HJ 1833a	-0.2	0.285
1830.72	25.2	3.31	6	Bes1833a	0.7	0.037
1830.73	25.3	3.5	1	Smy1844	0.8	0.227
1831.21	24.3	3.58	3	Da 1835	-0.1	0.308
1831.44	26.1	3.03	7	StF1837	1.8	-0.241
1831.58	21.7	3.0	1	HJ 1833c	-2.6	-0.271
1832.57	26.5	3.69	1	HJ 1835	2.3	0.421
1834.52	24.4	3.33	2	Da 1851	0.6	0.065
1834.78	23.5	3.41	5	Wh 1849	-0.3	0.146
1836.45	23.9	3.2	1	Smy1844	0.4	-0.061
1837.59	24.0	3.42	2	Enc1840	0.7	0.162
1838.71	22.3	3.50	2	Gll1840	-0.8	0.244
1839.78	21.9	3.3	1	Smy1844	-1.1	0.046
1839.95	23.9	3.48	1	Chl1908	1.0	0.227
1839.99	23.8	3.34	5	Kai1865	0.9	0.087
1841.14	20.3	3.32	5	Stt1878	-2.4	0.069
1841.38	22.0	3.26	5	Da 1867	-0.7	0.010
1841.49	22.9	2.89	4	Mad1842a	0.2	-0.360
1841.67	21.1	3.06	6	Kai1865	-1.6	-0.190
1842.47	22.1	3.19	4	Mad1843	-0.4	-0.058
1842.59	20.6	3.2	1	Smy1844	-1.9	-0.048
1842.72	22.8	3.08	2	Gsh1908	0.3	-0.167
1842.80	22.4	3.41	9	Wh 1849	-0.1	0.163
1843.03	24.9	3.19	4	Kai1865	2.5	-0.057
1843.68	23.0	3.16	5	Mad1844	0.7	-0.085
1843.94	24.7	3.11	7	Kai1865	2.4	-0.135
1844.67	24.0	3.23	2	Mad1845	1.8	-0.013
1845.64	20.7	3.09	4	PhM1861	-1.3	-0.151
1846.04	21.8	3.75	2	Jc 1847	-0.1	0.510
1846.95	21.7	3.17	1	Da 1867	-0.1	-0.068
1847.53	21.7	3.20	7	Mad1856	0.0	-0.037
1847.54*	20.7	2.52	1	Mtl1876	-1.0	-0.717
1848.47	21.1	3.1	1	BdW1882	-0.4	-0.134
1848.59	21.4	3.15	3	Da 1867	-0.1	-0.084
1850.54	22.0	3.23	5	Mad1856	0.8	0.000
1851.65	19.7	3.15	6	Flt1853a	-1.3	-0.077
1851.65	19.9	3.14	6	Kai1865	-1.1	-0.087
1851.82	21.4	3.18	1	Flt1853a	0.4	-0.047
1851.823	21.4	3.182	3	MiJ1852b	0.4	-0.045
1851.84	21.9	3.26	6	Mad1856	0.9	0.033
1852.58	21.3	3.10	4	Mad1856	0.5	-0.125
1853.63	24.6	3.30	5	D 1883	4.0	0.078
1853.71	20.5	3.20	2	Da 1867	-0.1	-0.022
1854.70	20.7	3.40	1	Lut1857	0.2	0.180
1854.71	19.6	3.12	4	Da 1867	-0.9	-0.100

Table 4. continued.

WDS 18443+3940 = STF 2382 AB						
t	θ_t	ϱ	n	Obs	$\Delta\theta$	$\Delta\varrho$
1854.74	22.2	3.50	1	Lut1857	1.7	0.280
1854.80	20.4	3.26	5	D 1883	-0.1	0.040
1854.84	19.6	3.03	2	Da 1867	-0.8	-0.189
1856.24	22.4	3.07	3	Se 1860b	2.2	-0.146
1856.43	20.5	3.13	1	Mad1906A	0.3	-0.086
1856.49	19.9	3.14	3	D 1883	-0.3	-0.076
1856.51	17.2	3.14	7	Stt1878	-3.0	-0.075
1858.43	18.7	3.20	3	Mrt1861	-1.1	-0.011
1859.60	18.8	3.16	2	Mrt1861	-0.8	-0.048
1859.73	19.3	3.06	1	Da 1867	-0.3	-0.148
1861.35	19.4	3.05	3	Mad1906A	0.1	-0.153
1861.45	20.38	3.06	1	Mai1861	1.1	-0.143
1861.68	19.6	3.298	0	Auw1862	0.3	0.095
1862.46	13.8	3.05	7	Stt1878	-5.3	-0.151
1862.83	19.0	2.95	1	Stt1878	-0.1	-0.250
1863.09	19.35	3.045	8	D 1865A	0.3	-0.154
1864.45	19.80	3.295	2	Eng1865b	1.0	0.099
1865.39	19.2	3.26	7	Eng1868	0.6	0.067
1865.75	16.3	3.10	7	Kai1872	-2.3	-0.092
1865.85	20.6	2.96	5	Kai1872	2.0	-0.232
1866.60	17.0	3.43	1	Sea1882	-1.4	0.240
1866.62	19.9	3.46	1	Win1882	1.5	0.270
1866.72	19.0	3.28	1	Se 1860b	0.6	0.090
1866.81	18.6	2.96	7	Kai1872	0.2	-0.229
1866.85	23.2	3.48	3	Tal1868	4.8	0.291
1866.89	19.5	3.01	6	Kai1872	1.1	-0.179
1867.41	13.8	3.29	1	Mai1867	-4.5	0.102
1868.59	19.8	3.33	2	Brn1870	1.7	0.145
1868.79	14.02	3.00	1	Mai1868	-4.0	-0.184
1869.76	13.57	3.22	1	Mai1869	-4.3	0.039
1870.44	18.1	3.09	2	Du 1876	0.3	-0.090
1870.50	15.7	3.28	4	Mai1870	-2.1	0.101
1871.17	18.5	3.03	6	D 1884	0.9	-0.148
1871.52	17.1	3.13	4	WS 1875	-0.5	-0.047
1871.57	14.3	3.18	4	WS 1875	-3.3	0.003
1872.46	18.14	3.21	2	Mai1872	0.7	0.036
1873.43	22.1	3.25	3	Mai1873	4.8	0.079
1873.55	16.6	3.02	5	WS 1875	-0.6	-0.151
1873.60	18.0	3.1	3	Gld1875	0.8	-0.071
1874.60	14.14	3.20	3	Mai1874	-2.9	0.032
1875.63	16.9	3.08	5	Sp 1888	0.0	-0.085
1875.69	14.3	3.10	2	Mai1875	-2.6	-0.065
1876.45	17.3	3.31	1	Plm1878	0.6	0.147
1876.59	17.4	3.22	3	WS 1877	0.7	0.058
1876.80	16.7	3.16	4	Je 1881b	0.0	-0.002
1877.436	16.1	3.08	4	Hl 1877a	-0.5	-0.080
1877.44	15.3	3.26	3	Dob1927	-1.3	0.100
1877.84	16.7	3.12	3	Je 1881b	0.2	-0.039
1878.56	16.4	3.11	3	Dob1927	0.0	-0.047

Table 4. continued.

WDS 18443+3940 = STF 2382 AB						
t	θ_t	ϱ	n	Obs	$\Delta\theta$	$\Delta\varrho$
1878.70	16.6	3.16	2	Prc1887	0.3	0.004
1878.71	18.6	3.18	4	Gny1879	2.3	0.024
1879.74	16.1	3.17	3	Je 1881b	0.0	0.017
1879.76	17.2	3.41	4	Smt1881	1.1	0.257
1879.77	18.0	3.24	3	Sbk1881	1.9	0.087
1879.77	18.5	3.20	3	Sbk1881	2.4	0.047
1880.51	17.3	3.53	1	Sne1880	1.3	0.379
1880.69	17.6	3.18	2	Big1883	1.6	0.029
1881.50	15.1	3.41	4	Frz1884	-0.7	0.262
1882.28	14.3	3.99	2	Glp1895	-1.4	0.844
1883.50	16.1	3.21	3	Per1887	0.6	0.068
1883.591	15.2	3.08	3	HI 1888	-0.3	-0.062
1883.65	14.7	3.02	4	Hal1883	-0.8	-0.122
1883.68	16.0	3.30	5	Ku 1884	0.5	0.158
1883.72	15.50	3.20	1	Nst1904	0.1	0.059
1884.41	14.7	3.59	2	Glp1895	-0.6	0.451
1885.49	14.4	3.00	4	dBl1886	-0.7	-0.136
1885.62	17.0	2.81	2	Smt1892	1.9	-0.326
1885.70	15.2	3.30	3	Je 1887	0.1	0.165
1885.74	15.8	3.71	1	Sbk1892	0.7	0.575
1886.563	16.7	3.02	4	HI 1888	1.8	-0.113
1886.57	14.3	3.11	3	Per1906A	-0.6	-0.023
1886.66	13.8	3.00	5	Cel1923	-1.1	-0.132
1886.75	15.4	3.12	1	Glp1895	0.5	-0.012
1886.83	15.7	3.35	3	Je 1887	0.8	0.218
1887.17	14.4	3.17	2	StH1901	-0.4	0.039
1887.31	16.2	3.42	1	Glp1895	1.4	0.290
1887.62	15.2	3.32	1	Cos1899	0.4	0.191
1887.64	14.7	3.16	5	Cel1923	0.0	0.031
1888.608	14.8	3.08	4	HI 1888	0.2	-0.046
1888.67	13.7	3.27	5	Cel1923	-0.9	0.144
1888.77	15.4	3.20	4	Maw1892	0.9	0.074
1889.413	12.8	3.19	0	Sne1889	-1.6	0.066
1889.51	15.3	3.31	2	Glp1895	0.9	0.187
1889.54	15.0	3.36	2	Kin1928	0.6	0.237
1889.572	13.6	3.02	5	Sne1889	-0.8	-0.103
1889.60	15.7	3.38	2	SBc1899	1.3	0.257
1890.45	12.5	3.35	2	Glp1892f	-1.7	0.230
1890.54	14.0	3.14	6	Gia1891	-0.2	0.020
1890.66	14.27	3.43	1	Wel1892	0.1	0.310
1891.43	15.8	2.86	4	Cos1899	1.7	-0.257
1891.49	15.30	3.31	5	See1892	1.2	0.193
1891.60	13.0	3.35	2	Cel1923	-1.0	0.233
1891.86	12.78	3.19	1	Knr1892	-1.2	0.074
1892.39	12.4	3.45	3	Sea1893	-1.5	0.336
1892.71	12.2	3.12	2	Glp1894a	-1.6	0.007
1893.55	13.9	3.29	4	Coh1894	0.2	0.180
1894.52	13.8	3.34	3	Glp1895	0.3	0.233
1894.85	12.5	3.16	2	Knr1895	-1.0	0.054
1895.18	14.7	3.25	4	Ren1935	1.3	0.145

Table 4. continued.

WDS 18443+3940 = STF 2382 AB						
t	θ_t	ϱ	n	Obs	$\Delta\theta$	$\Delta\varrho$
1895.46	16.7	2.96	1	Vil1896	3.4	-0.144
1895.60	12.9	3.10	4	Swz1896	-0.4	-0.003
1895.65	13.7	3.23	2	Glp1897	0.4	0.127
1895.74	12.6	2.74	1	See1895d	-0.7	-0.363
1896.71	14.3	3.12	3	Hu 1897	1.2	0.021
1896.759	10.7	2.98	3	Mrg1898	-2.4	-0.119
1897.46	12.7	3.31	2	Glp1899	-0.3	0.213
1897.66	12.4	3.16	5	Ser1916	-0.5	0.064
1899.37	13.8	3.26	4	Coh1911	1.2	0.170
1899.58	11.6	3.08	1	GrO1899	-1.0	-0.009
1900.52	12.5	3.4	9	Gld1901	0.1	0.314
1900.63	13.3	3.03	2	Dob1927	0.9	-0.056
1900.75	12.6	3.04	2	Maw1904	0.2	-0.045
1901.30	12.0	3.53	3	Fay1901	-0.3	0.447
1901.92	13.4	3.39	3	Pos1911	1.2	0.309
1902.17	10.3	3.13	5	Gui1912	-1.8	0.050
1902.83	10.9	3.08	2	Cel1923	-1.1	0.002
1903.16	12.4	3.19	4	Dob1927	0.5	0.113
1903.602	12.4	2.85	3	VBs1904	0.6	-0.225
1903.67	12.1	3.06	1	Thi1908	0.3	-0.015
1904.83	12.3	3.29	1	Frm1907	0.7	0.220
1904.94	7.7	3.205	6	WFD1927b	-3.9	0.135
1905.411	9.2	2.70	1	Lau1906b	-2.3	-0.368
1905.70	11.2	2.95	2	Lau1906a	-0.3	-0.117
1905.83	10.2	2.86	1	Mrg1906	-1.2	-0.207
1906.44	13.0	3.63	3	Ino1909	1.7	0.566
1906.72	12.6	2.96	3	Mln1908	1.3	-0.103
1907.55	12.5	3.09	3	Prz1908	1.4	0.030
1907.632	10.1	3.27	3	Fox1915	-1.0	0.210
1907.86	10.0	3.19	3	Roe1908	-1.1	0.131
1908.56	11.6	2.90	3	Dob1927	0.7	-0.156
1908.90	11.4	3.34	3	Roe1909	0.5	0.285
1909.20	11.8	3.07	4	Has1911	1.0	0.016
1909.56	10.1	2.85	3	Vdk1909	-0.6	-0.202
1909.58	12.7	2.99	3	Dob1927	2.0	-0.062
1910.06	11.8	3.11	2	Lau1911a	1.2	0.060
1910.54	10.6	3.04	2	Dob1927	0.0	-0.009
1911.44	11.2	2.95	3	Phl1911b	0.8	-0.095
1911.46	11.4	2.91	4	Vou1922	1.0	-0.135
1912.48	9.0	3.16	3	Neu1923	-1.2	0.119
1912.70	11.3	3.44	1	Fes1913	1.1	0.400
1912.78	11.8	3.36	2	Sto1921	1.7	0.320
1913.10	11.1	3.12	1	DeO1929	1.0	0.082
1913.215	12.8	3.11	3	Fox1915	2.7	0.072
1913.40	11.3	2.98	3	Phl1914	1.3	-0.057
1913.41	12.0	3.33	3	Acs1914	2.0	0.293
1913.7	8.8	3.363	1	WFD1931	-1.2	0.327
1914.43	12.1	3.08	6	Rab1923	2.3	0.047
1914.45	9.1	2.93	3	Vys1936	-0.7	-0.103
1914.530	10.3	2.83	3	VBs1920	0.5	-0.203

Table 4. continued.

WDS 18443+3940 = STF 2382 AB						
t	θ_t	ϱ	n	Obs	$\Delta\theta$	$\Delta\varrho$
1914.70	9.6	3.37	2	Sto1921	-0.2	0.338
1914.70	7.4	2.95	3	BrF1916	-2.4	-0.082
1914.965	9.26	2.993	5	Hzg1920	-0.5	-0.038
1915.41	12.0	2.95	3	Rab1923	2.4	-0.079
1915.42	8.9	2.85	3	Phl1916	-0.7	-0.179
1915.54	9.3	2.93	1	Vys1936	-0.3	-0.099
1915.67	9.4	3.32	1	Roe1915	-0.2	0.292
1915.70	7.74	2.938	4	Ddy1942	-1.8	-0.090
1916.41	10.9	3.27	5	Rab1923	1.5	0.245
1917.35	8.6	2.80	3	Phl1918	-0.7	-0.221
1917.53	10.2	3.40	4	Hrc1926	1.0	0.380
1917.73	13.5	3.20	2	Jan1921b	4.3	0.181
1918.39	8.5	2.90	3	Phl1919	-0.6	-0.117
1919.385	8.98	2.983	1	Hzg1920	0.1	-0.029
1919.54	9.5	2.94	3	Phl1920	0.7	-0.072
1919.84	10.6	3.30	2	Sto1921	1.8	0.290
1920.211	8.8	2.82	1	B 1923a	0.1	-0.189
1920.70	8.6	3.03	5	Cha1926a	0.0	0.023
1920.78	7.1	2.94	2	Jan1921a	-1.5	-0.066
1920.78	9.9	3.15	1	Jan1921a	1.3	0.144
1920.78	7.7	2.96	1	Fjl1921a	-0.9	-0.046
1920.78	7.5	3.04	1	Haa1921a	-1.1	0.034
1921.57	8.8	3.07	3	Dob1927	0.3	0.067
1921.60	8.4	2.85	4	B 1925a	0.0	-0.153
1921.63	7.2	2.95	4	Phl1923	-1.2	-0.053
1921.92	10.7	2.95	1	Haa1924	2.3	-0.051
1922.74	9.7	2.87	1	Cul1925	1.5	-0.128
1922.91	6.4	3.16	5	Pek1926	-1.8	0.163
1923.14	7.4	3.21	3	Jan1924a	-0.8	0.214
1923.14	7.5	3.18	3	Lrz1924a	-0.7	0.184
1923.31	9.1	2.90	1	Gui1931	1.0	-0.095
1923.35	9.6	3.13	3	Gcb1934	1.5	0.135
1923.39	6.9	3.10	3	Jck1925	-1.2	0.105
1923.51	5.6	2.54	1	Fur1925	-2.5	-0.454
1923.51	6.0	3.22	4	Lbz1925	-2.1	0.226
1924.527	7.27	2.962	1	Mch1969	-0.6	-0.028
1924.55	8.7	2.91	3	Dob1927	0.8	-0.080
1924.70	8.7	3.14	1	Blo1931	0.9	0.151
1924.77	12.1	2.84	1	Spr1928	4.3	-0.149
1925.41	5.7	3.05	7	Sch1927b	-2.0	0.064
1925.552	8.6	3.06	2	Baz1928	0.9	0.075
1925.58	7.5	2.86	4	Phl1925	-0.2	-0.125
1925.757	7.80	3.17	3	Rab1930b	0.2	0.186
1926.43	8.90	2.953	1	Kaz1934	1.4	-0.028
1926.523	7.09	2.98	5	Rab1930b	-0.4	-0.001
1926.65	9.8	3.23	3	Kom1929	2.3	0.250
1926.72	7.01	2.941	1	Prz1926	-0.4	-0.039
1926.76	6.87	2.797	1	Prz1926	-0.6	-0.182
1927.56	8.2	3.30	3	Kom1935a	0.9	0.324

Table 4. continued.

WDS 18443+3940 = STF 2382 AB						
t	θ_t	ϱ	n	Obs	$\Delta\theta$	$\Delta\varrho$
1927.68	7.4	3.51	4	All1930	0.1	0.535
1927.84	9.0	2.95	6	Buc1929	1.8	-0.024
1928.33	6.0	2.87	5	Phl1930	-1.1	-0.102
1928.67	6.69	2.802	1	Lbz1929	-0.4	-0.169
1928.68	6.87	2.849	1	Lbz1929	-0.2	-0.122
1928.68	6.66	2.957	1	Prz1926	-0.4	-0.014
1928.69	6.6	2.99	4	Kom1935a	-0.5	0.020
1929.16	8.1	3.04	1	DeO1929	1.1	0.072
1929.33	7.2	2.99	7	Fox1946	0.3	0.023
1929.51	8.47	2.928	1	Kaz1934	1.6	-0.039
1929.57	7.7	2.71	1	All1930	0.8	-0.256
1929.63	7.4	3.04	4	Kui1933	0.5	0.074
1929.65	6.9	3.25	3	Kom1935a	0.0	0.284
1929.81	7.2	2.95	8	Baz1932b	0.4	-0.015
1930.45	6.5	3.41	2	Jan1934	-0.2	0.448
1930.50	6.2	3.06	2	Reu1931	-0.5	0.098
1930.63	7.6	3.24	4	Dob1931	0.9	0.279
1930.70	6.9	2.94	3	Kom1935a	0.2	-0.021
1931.54	5.6	2.94	4	Phl1934	-0.9	-0.017
1931.70	5.18	2.958	4	Ddy1942	-1.3	0.002
1932.12	6.9	3.28	6	Kom1933	0.5	0.326
1932.68	5.6	2.91	2	StG1962a	-0.7	-0.041
1932.86	5.7	3.05	5	Rab1939	-0.5	0.100
1932.87	4.9	3.19	1	Kum1935	-1.3	0.240
1933.61	6.7	3.04	1	Urb1938	0.6	0.093
1933.61	5.7	3.38	1	Urb1938	-0.4	0.433
1933.66	4.2	3.02	4	Zag1933	-1.9	0.074
1933.68	5.4	2.95	1	Urb1938	-0.7	0.004
1933.68	5.1	2.99	1	Urb1938	-1.0	0.044
1933.74	6.3	3.01	1	Urb1938	0.2	0.064
1933.74	5.4	3.41	1	Urb1938	-0.7	0.464
1933.75	5.7	3.13	1	Urb1938	-0.4	0.184
1933.75	4.8	3.34	1	Urb1938	-1.3	0.394
1933.76	5.5	3.18	1	Urb1938	-0.6	0.234
1933.76	5.6	3.42	1	Urb1938	-0.5	0.474
1933.78	6.6	3.04	1	Urb1938	0.5	0.094
1933.78	6.2	3.14	1	Urb1938	0.1	0.194
1933.92	4.8	2.82	4	Baz1936e	-1.2	-0.125
1934.65	4.6	2.88	4	Ina1935	-1.3	-0.061
1934.68	5.5	3.07	6	Rab1939	-0.4	0.129
1935.55	5.2	2.82	4	Dan1937	-0.5	-0.117
1935.64	5.8	2.84	1	Kui1961b	0.1	-0.096
1935.70	5.1	2.88	4	Phl1937	-0.6	-0.056
1935.77	4.9	2.99	6	Rab1939	-0.8	0.054
1936.37	5.0	2.87	7	Dan1952	-0.5	-0.063
1936.68	2.4	2.98	1	New1936	-3.1	0.049
1936.68	5.2	2.87	7	Rab1939	-0.3	-0.061
1936.73	4.5	2.91	1	New1936	-1.0	-0.021
1936.76	6.8	2.97	1	Woy1936	1.4	0.039

Table 4. continued.

WDS 18443+3940 = STF 2382 AB						
t	θ_t	ϱ	n	Obs	$\Delta\theta$	$\Delta\varrho$
1937.49	4.6	2.96	7	Mr1938	-0.7	0.033
1937.63	5.01	2.91	1	Hrg1940	-0.3	-0.016
1937.63	5.4	3.11	2	Vat1939	0.1	0.184
1937.69	4.8	2.91	8	Rab1939	-0.5	-0.016
1937.75	4.7	2.94	3	Mr1958	-0.5	0.014
1937.76	5.1	2.93	2	Sym1937	-0.1	0.004
1937.77	6.0	3.06	1	Ray1947	0.8	0.135
1938.04	6.6	2.97	4	Str1939	1.4	0.046
1938.40	5.4	2.91	3	Phl1941	0.3	-0.012
1938.61	4.2	2.93	6	Mr1946	-0.9	0.009
1938.71	4.8	2.90	6	Dur1940	-0.3	-0.021
1938.72	4.6	2.85	9	Rab1939	-0.5	-0.071
1939.47	5.7	3.06	5	Kor1948	0.8	0.143
1939.49	3.7	2.96	3	Mr1946	-1.2	0.044
1939.61	6.3	2.87	5	Scd1940	1.4	-0.046
1939.61	3.6	2.94	1	Sem1944	-1.3	0.024
1939.71	4.0	2.84	8	Rab1953	-0.8	-0.075
1940.39	3.50	2.710	6	Ddy1942	-1.2	-0.202
1940.60	4.34	2.839	1	Str1946	-0.3	-0.072
1940.71	4.3	2.83	7	Rab1953	-0.3	-0.080
1940.78*	4.2	3.80	3	Arm1949	-0.4	0.890
1940.783*	4.2	3.80	3	Arm1945	-0.4	0.890
1940.83	4.0	2.97	2	Sem1944	-0.6	0.061
1941.0	6.3	3.230	0	WFD1948	1.7	0.322
1941.57	3.6	2.96	2	Ard1950	-0.9	0.055
1941.75	4.1	2.80	7	Rab1953	-0.3	-0.104
1941.76	4.8	2.87	7	Sem1944	0.4	-0.034
1942.68	4.0	2.85	0	Rab1953	-0.2	-0.049
1942.71	4.4	2.73	5	Dur1944c	0.2	-0.169
1943.65	3.7	2.78	0	Rab1953	-0.3	-0.114
1945.74	2.5	2.73	4	Baz1948d	-1.1	-0.152
1945.74	3.1	2.82	7	Rab1953	-0.5	-0.062
1946.50	2.8	2.88	4	Mr1947	-0.6	0.002
1946.69	3.1	2.87	0	Rab1953	-0.3	-0.007
1946.73	3.0	2.92	2	Jan1955	-0.4	0.043
1946.73	3.3	3.00	3	Mun1948	-0.1	0.123
1946.74	3.8	2.87	4	Lyo1953	0.4	-0.006
1948.580	3.38	2.814	1	DeO1954	0.4	-0.052
1948.580	3.10	2.884	1	DeO1954	0.1	0.018
1948.62	2.8	2.76	0	Rab1961b	-0.2	-0.106
1948.623	3.38	2.834	1	DeO1954	0.4	-0.032
1949.24	3.4	2.56	3	Dub1951	0.5	-0.302
1949.45	3.64	2.833	1	Kpr1992	0.8	-0.028
1949.453	2.84	2.829	1	Jef1978	0.0	-0.032
1949.52	2.7	2.78	2	Ard1963	-0.1	-0.080
1949.538	2.70	2.867	1	DeO1954	-0.1	0.007
1949.538	3.32	2.834	1	DeO1954	0.5	-0.026
1949.67	2.6	2.89	4	Mr1950b	-0.2	0.031
1949.69	2.3	2.78	7	Rab1961b	-0.5	-0.079

Table 4. continued.

WDS 18443+3940 = STF 2382 AB						
t	θ_t	ϱ	n	Obs	$\Delta\theta$	$\Delta\varrho$
1950.510	2.50	2.837	1	DeO1954	-0.1	-0.017
1950.68	1.2	2.96	9	Rab1961b	-1.4	0.107
1951.65	1.3	2.73	9	Rab1961b	-1.0	-0.118
1951.95	1.9	2.78	4	Wie1956c	-0.4	-0.066
1952.66	1.6	2.84	3	Mlr1954c	-0.5	-0.001
1953.71	0.7	2.99	4	Sdl1957	-1.2	0.155
1954.404	1.67	2.816	1	Jef1978	-0.1	-0.015
1954.455	1.08	2.802	1	Gzl1962	-0.7	-0.028
1954.463	2.19	2.775	1	Gzl1962	0.4	-0.055
1954.466	1.75	2.816	1	Gzl1962	0.0	-0.014
1954.479	1.95	2.817	1	Gzl1962	0.2	-0.013
1954.510	2.12	2.813	1	Gzl1962	0.4	-0.017
1954.80	1.4	2.81	4	Hus1956	-0.3	-0.018
1955.14	1.1	2.84	3	Br 1956	-0.5	0.014
1955.410	1.19	2.791	1	Gzl1962	-0.3	-0.033
1955.542	0.78	2.783	1	Gzl1962	-0.7	-0.040
1955.685	1.67	2.840	1	Jef1978	0.2	0.018
1955.698	2.27	2.802	1	Gzl1962	0.8	-0.020
1956.393	1.17	2.792	1	Gzl1962	-0.2	-0.026
1956.407	1.05	2.795	1	Gzl1962	-0.3	-0.023
1956.533	1.19	2.793	1	Gzl1962	-0.1	-0.024
1956.59	1.1	3.64	3	Fle1958	-0.2	0.823
1956.607	1.14	2.814	1	Gzl1962	-0.1	-0.003
1956.667	1.46	2.793	1	Gzl1962	0.2	-0.023
1956.68	0.5	2.76	0	Rab1961b	-0.8	-0.056
1957.47	1.4	2.85	3	Sgt1958	0.3	0.039
1957.494	0.90	2.804	1	Gzl1962	-0.2	-0.007
1957.51	0.6	2.79	3	Cou1958a	-0.5	-0.021
1957.62	59.7	3.24	2	Arc1958	-1.4	0.430
1957.67	0.55	2.785	1	Rab1961b	-0.5	-0.025
1957.68	1.53	2.792	1	Rab1961b	0.5	-0.018
1957.683	1.39	2.676	1	Gzl1962	0.4	-0.134
1957.683	1.16	2.722	1	Gzl1962	0.1	-0.088
1957.683	1.15	2.742	1	Gzl1962	0.1	-0.068
1957.69	1.27	2.771	1	Rab1961b	0.2	-0.039
1957.72	0.49	2.750	1	Rab1961b	-0.5	-0.059
1957.76	1.8	2.81	3	Clu1958	0.8	0.001
1958.35	1.0	2.87	1	B 1960b	0.1	0.065
1958.44	0.7	2.91	1	B 1960b	-0.2	0.105
1958.51	0.82	2.735	1	Kpr1992	0.0	-0.069
1958.60	1.3	2.78	1	B 1960b	0.5	-0.024
1958.68	1.1	2.81	3	Ths1961	0.3	0.007
1958.70	1.2	2.90	3	JDH1961	0.4	0.097
1958.72	1.6	2.74	1	B 1960b	0.8	-0.063
1958.94	0.0	2.78	8	Woy1961	-0.8	-0.021
1959.642	0.38	2.772	1	Jef1978	-0.2	-0.025
1960.17	0.4	2.72	5	Cdy1961	-0.1	-0.073
1960.354	59.27	2.730	1	USN1963	-1.2	-0.062
1960.44	0.56	2.754	1	Kpr1992	0.1	-0.037
1961.51	59.9	2.72	1	Woy1964	-0.3	-0.064

Table 4. continued.

WDS 18443+3940 = STF 2382 AB						
t	θ_t	ϱ	n	Obs	$\Delta\theta$	$\Delta\varrho$
1962.14	0.4	2.63	6	Cdy1964	0.4	-0.150
1962.674	0.07	2.747	1	Bot1965	0.1	-0.029
1964.45	59.5	2.73	3	Cou1964	0.0	-0.034
1964.63	59.0	2.78	1	Krn1965b	-0.5	0.017
1964.63	59.4	2.80	1	Sta1965b	-0.1	0.037
1965.488	55.6	2.66	1	Dju1969	-3.7	-0.097
1965.513	59.8	2.58	3	Pop1969a	0.5	-0.176
1965.7	0.4	2.69	4	Dur1977	1.2	-0.065
1966.66	1.4	2.78	1	Wie2001	2.4	0.032
1966.81	59.3	2.80	3	Srb1969	0.3	0.053
1967.38	58.7	2.71	4	Dur1977	-0.2	-0.033
1967.57	56.2	2.68	1	Wie2001	-2.6	-0.062
1968.59	2.2	2.81	2	Wie2001	3.6	0.076
1969.49	57.8	2.66	3	Wie2001	-0.6	-0.067
1970.48	58.5	2.64	3	Ary1977	0.4	-0.080
1971.503	52.5	2.46	1	Ole1973	-5.4	-0.252
1971.523	57.65	2.689	1	USN1974	-0.2	-0.023
1971.588	59.4	2.71	1	Pop1973a	1.5	-0.002
1971.59	0.9	2.69	1	Erc1978c	3.0	-0.022
1971.64	57.4	2.66	4	Sta1973	-0.5	-0.051
1971.676	58.06	2.686	1	USN1974	0.2	-0.025
1971.684	57.85	2.686	1	USN1974	0.0	-0.025
1973.000	2.0	2.90	3	ClI2003	4.5	0.199
1973.435	55.2	2.71	1	Rak1981	-2.2	0.013
1973.58	57.8	2.49	1	Wie2001	0.4	-0.206
1973.60	55.7	2.60	4	Dur1977	-1.7	-0.096
1973.785	57.8	2.54	3	Hln1974a	0.4	-0.155
1974.612	55.9	2.81	2	Wak1985	-1.3	0.122
1976.60	57.9	2.82	2	Wie2001	1.2	0.148
1976.642	56.54	2.653	1	USN1978	-0.1	-0.019
1976.645	56.92	2.639	1	USN1978	0.3	-0.033
1977.521	58.9	2.64	3	Drd1983	2.4	-0.025
1977.56	59.0	2.87	2	Wie2001	2.6	0.206
1977.581	58.0	2.90	1	Scn2003	1.6	0.236
1978.542	55.7	2.62	3	Drd1983	-0.5	-0.036
1978.65	55.6	2.87	3	Hon1982	-0.6	0.215
1979.60	0.7	2.76	1	Wie2001	4.8	0.113
1980.000	55.0	2.70	3	ClI2003	-0.8	0.056
1980.60	56.3	2.62	5	Wie2001	0.6	-0.019
1980.655	55.8	2.62	4	Wor1989	0.1	-0.018
1980.8	1.0	2.649	7	WFD1997	5.4	0.012
1981.545	55.0	2.64	4	Zul1983a	-0.5	0.009
1981.61	57.0	2.66	1	Wie2001	1.6	0.030
1982.41	55.8	2.66	2	Ary1989	0.6	0.037
1982.58	57.7	2.72	3	Wie2001	2.5	0.098
1982.62	56.20	2.774	4	Tor1984	1.0	0.153
1982.628	57.5	2.90	3	Lef1982	2.3	0.279
1983.515	53.67	2.787	1	Tor1985	-1.3	0.173
1983.550	54.2	2.64	2	Zul1984a	-0.8	0.027

Table 4. continued.

WDS 18443+3940 = STF 2382 AB						
t	θ_t	ϱ	n	Obs	$\Delta\theta$	$\Delta\varrho$
1983.61	56.9	2.78	3	Wie2001	2.0	0.167
1983.760	53.7	2.70	3	Doc1984a	-1.2	0.089
1983.760	52.8	2.72	3	Csa1984	-2.1	0.109
1984.51	55.3	2.84	3	Stu1989	0.6	0.235
1984.52	59.4	2.67	1	Wie2001	4.7	0.065
1984.631	54.9	2.55	5	Zul1986b	0.2	-0.054
1984.719	53.2	2.65	1	Lin1985b	-1.5	0.047
1984.745	52.1	2.60	2	Doc1985b	-2.6	-0.003
1985.4729	54.7	2.575	1	McA1987b	0.2	-0.021
1985.4872	54.5	2.570	1	McA1987b	0.0	-0.026
1985.767	54.5	2.55	3	Sca1987	0.1	-0.043
1985.850	53.9	2.64	3	Doc1989b	-0.5	0.047
1986.235	55.0	2.70	1	Tob2003	0.7	0.111
1986.567	53.5	2.64	3	Doc1989b	-0.7	0.054
1986.70	54.6	2.67	4	Gel1989	0.4	0.085
1987.52	54.3	3.01	1	Gir1992	0.4	0.433
1988.147	54.0	2.68	2	Doc1989b	0.2	0.109
1988.49	53.5	2.54	3	Stu1992	-0.2	-0.028
1988.615	53.2	2.49	4	Zul1989c	-0.5	-0.077
1989.535	52.1	2.63	3	Zul1991a	-1.3	0.072
1990.638	54.4	2.60	1	Tob2003	1.3	0.052
1990.69	53.3	2.67	3	Kzn1994	0.2	0.123
1990.731	53.7	2.60	1	Tob2003	0.6	0.053
1990.80	52.4	2.45	7	Ary1992	-0.7	-0.096
1991.235	52.46	2.48	5	ADP1998	-0.5	-0.062
1991.25	52.9	2.536	2	HIP1997a	-0.1	-0.006
1991.452	53.1	2.52	1	WSI1997	0.2	-0.020
1991.471	54.2	2.50	2	Tob2003	1.3	-0.040
1991.487	52.9	2.52	1	WSI1997	0.0	-0.020
1991.526	52.6	2.55	1	WSI1997	-0.3	0.011
1991.536	53.0	2.62	1	WSI1997	0.1	0.081
1991.539	52.6	2.56	1	WSI1997	-0.3	0.021
1991.640	52.3	2.53	1	WSI1997	-0.6	-0.008
1991.67	52.8	2.532	1	TYC2000a	0.0	-0.006
1991.673	52.9	2.48	1	WSI1997	0.1	-0.058
1991.684	52.8	2.53	1	WSI1997	0.0	-0.008
1991.80	53.1	2.62	5	Ary1992	0.3	0.083
1992.545	53.8	2.56	1	Tob2003	1.2	0.031
1992.76	53.2	2.57	5	Ary1994	0.6	0.043
1992.885	52.5	2.66	1	Doc1993d	0.0	0.134
1993.550	54.6	2.47	1	Tob2003	2.3	-0.049
1993.62	53.3	2.68	3	Kzn1994	1.0	0.161
1993.632	52.8	2.59	1	Tob2003	0.5	0.072
1993.661	51.9	2.50	1	WSI1999a	-0.4	-0.018
1993.695	52.0	2.50	1	Tob2003	-0.3	-0.018
1994.39	53.5	2.53	1	Ary1994	1.4	0.019
1994.600	51.9	2.49	1	WSI1999a	-0.2	-0.019
1994.657	52.0	2.66	3	Doc1998f	0.0	0.152
1994.679	51.7	2.52	1	WSI1999a	-0.3	0.012
1994.690	51.8	2.49	1	WSI1999a	-0.2	-0.018

Table 4. continued.

WDS 18443+3940 = STF 2382 AB						
t	θ_t	ϱ	n	Obs	$\Delta\theta$	$\Delta\varrho$
1995.646	51.9	2.53	1	WSI1999b	0.1	0.032
1995.665	51.5	2.52	1	WSI1999b	-0.3	0.022
1995.808	51.6	2.60	1	May2003	-0.1	0.104
1995.809	51.6	2.6	1	May1997	-0.1	0.104
1996.100	51.0	2.46	3	ADP1998	-0.6	-0.033
1996.42	52.3	2.32	5	Ary1998	0.8	-0.170
1996.616	51.5	2.46	1	May2003	0.0	-0.028
1996.62	52.2	2.54	4	Ctt1996	0.7	0.052
1996.63	52.2	2.52	3	Alz1998b	0.7	0.032
1996.630	52.2	2.52	3	Alz2003c	0.7	0.032
1996.66	52.5	2.51	3	Kzn1998	1.0	0.023
1996.662	51.6	2.51	1	WSI1999b	0.1	0.023
1996.664	51.6	2.51	1	WSI1999b	0.1	0.023
1996.670	51.5	2.49	1	WSI1999b	0.0	0.003
1996.672	51.5	2.50	1	WSI1999b	0.0	0.013
1996.705	51.8	2.52	1	WSI1999b	0.3	0.033
1997.515	51.9	2.51	1	Tob2003	0.7	0.031
1997.577	51.5	2.46	1	May1997	0.3	-0.018
1997.598	51.7	2.46	1	WSI1999c	0.5	-0.018
1997.598	51.5	2.45	1	WSI1999c	0.3	-0.028
1997.604	51.5	2.47	1	WSI1999c	0.3	-0.008
1997.631	51.6	2.43	1	WSI1999c	0.4	-0.047
1997.687	51.6	2.56	1	Pri1997b	0.4	0.083
1997.758	51.6	2.59	2	Doc1998f	0.4	0.114
1997.82	52.5	2.30	6	Ary1998	1.3	-0.175
1998.504	51.7	2.42	1	Gii2001	0.7	-0.048
1998.58	51.0	2.46	2	ADP2004	0.1	-0.007
1998.58	49.2	2.46	5	ADP2004	-1.7	-0.007
1998.849	50.8	2.68	1	Tob2003	-0.1	0.216
1998.984	50.1	2.54	1	Tob2003	-0.7	0.077
1999.5703	50.7	2.47	3	WSI2000b	0.0	0.013
1999.59	51.6	2.45	2	Alz2003b	0.9	-0.006
1999.629	48.4	2.67	2	Thr2000	-2.2	0.214
2000.5989	49.4	2.46	2	WSI2001b	-1.0	0.015
2001.29	51.4	2.36	4	Ary2002	1.2	-0.078
2001.56	49.2	2.440	1	Bdn2003	-0.9	0.005
2001.647	50.1	2.49	2	Dal2002a	0.0	0.056
2001.6843	52.2	2.51	2	WSI2002	2.1	0.077
2001.707	49.5	2.58	1	Bvd2003	-0.5	0.147
2002.399	50.2	2.41	3	WSI2004b	0.4	-0.015
2002.530	48.01	2.408	3	Sle2003	-1.8	-0.016
2003.58	50.1	2.45	3	Alz2005b	0.6	0.038
2003.643	49.7	2.38	2	WSI2004b	0.2	-0.031
2003.806	51.9	2.10	3	Ary2004	2.5	-0.310

Table 4. continued.

WDS 23516+4205 = STT 510						
t	θ_t	ϱ	n	Obs	$\Delta\theta$	$\Delta\varrho$
1843.9000*	16.6	0.30	1	Mad1844	11.4	-0.037
1848.4300*	344.8	0.30	3	Stt1878	-17.7	-0.038
1851.7500	2.6	0.35	1	Mad1856	2.1	0.011
1873.1200*(**)	155.2	0.48	3	D 1883	-13.1	0.129
1883.3300*(**)	174.2	0.20	5	Eng1885b	11.3	-0.162
1888.7300**	157.6	0.60	3	Bu 1894	-2.5	0.232
1889.8000**	155.7	0.36	2	StH1901	-3.9	-0.009
1896.9400**	155.0	0.52	4	A 1914d	-1.2	0.141
1898.6800**	155.0	0.40	3	Hu 1901a	-0.3	0.019
1906.5400**	154.0	0.38	1	A 1914d	2.2	-0.013
1907.9100**	152.5	0.30	2	Prz1908	1.3	-0.095
1912.6900	332.1	0.39	3	Neu1923	2.9	-0.012
1914.9700	326.6	0.30	1	Rab1923	-1.6	-0.106
1916.6800	329.0	0.56	4	Doo1923	1.5	0.151
1923.7290	325.0	0.44	2	VBs1927a	0.3	0.019
1934.7100	320.1	0.42	2	VBs1936	-0.6	-0.021
1935.1900	316.1	0.44	4	Baz1937d	-4.5	-0.002
1940.9000	319.0	0.41	6	Rab1953	0.4	-0.042
1944.5700	317.3	0.47	3	Vou1955	-0.1	0.011
1949.8600	314.4	0.47	2	Mrz1956	-1.4	0.000
1950.9000	313.3	0.45	4	Rab1961b	-2.2	0.022
1951.7200*(**)	127.3	0.59	1	Dom1959a	-7.9	0.117
1952.7600**	133.0	0.56	1	Dom1959a	-1.9	0.085
1953.0300	314.6	0.50	2	VBs1960	-0.2	0.024
1953.8900	312.9	0.42	8	Rab1961b	-1.7	-0.057
1954.8900	312.3	0.41	7	Rab1961b	-2.0	-0.069
1955.9200	309.9	0.41	6	Rab1961b	-4.1	-0.071
1956.8700	312.6	0.50	3	Cou1957a	-1.1	0.017
1957.9000	312.3	0.42	6	Rab1961b	-1.1	-0.065
1959.7200**	132.3	0.44	3	Cdy1961	-0.6	-0.049
1961.7400	313.5	0.52	4	Hei1963b	1.2	0.027
1961.8100	315.9	0.61	1	Hln1963	3.6	0.117
1961.9300	314.6	0.49	4	B 1962d	2.3	-0.003
1962.1400**	129.5	0.46	3	Sym1964a	-2.7	-0.033
1962.7000**	135.2	0.44	2	Cdy1964	3.2	-0.055
1962.9200	312.5	0.51	3	Cou1963a	0.5	0.015
1965.3900	312.9	0.46	4	Wor1971	1.6	-0.040
1965.6000**	135.7	0.49	2	Dur1977	4.5	-0.010
1965.7400**	132.9	0.45	3	Hei1967b	1.7	-0.051
1971.1000**	131.3	0.49	3	Baz1972	1.5	-0.021
1971.6520**	130.9	0.46	1	Zul1973a	1.3	-0.052
1974.7730**	128.6	0.50	4	Wor1978	-0.3	-0.018
1977.6770	307.5	0.38	2	Hln1978b	-0.6	-0.144
1982.6813*(**)	118.7	0.49	2	Lef1982	-8.2	-0.044
1983.7103	306.6	0.545	1	McA1987b	-0.1	0.009
1984.0574	306.7	0.535	1	McA1987b	0.1	-0.002
1986.8210	306.6	0.53	3	Wor1989	0.7	-0.012
1986.8914	305.3	0.548	1	McA1989	-0.6	0.006

Table 4. continued.

WDS 23516+4205 = STT 510						
t	θ_t	ϱ	n	Obs	$\Delta\theta$	$\Delta\varrho$
1987.7540	305.5	0.551	1	McA1989	-0.2	0.007
1988.6550	305.8	0.553	1	McA1990	0.3	0.007
1989.6162	305.1	0.548	1	McA1997	-0.2	0.001
1990.9660	303.3	0.53	1	WSI1997	-1.7	-0.020
1991.2500	304.9	0.553	1	HIP1997a	0.0	0.002
1991.6500	304.7	0.55	1	TYC2002	-0.2	-0.001
1991.8040	304.4	0.55	1	WSI1997	-0.4	-0.002
1991.9410	303.8	0.52	1	WSI1997	-1.0	-0.032
1991.9660	304.0	0.53	1	WSI1997	-0.8	-0.022
1992.7080	304.4	0.53	1	WSI1997	-0.2	-0.023
1993.8930	303.8	0.54	1	WSI1999a	-0.6	-0.016
1995.1600	300.6	0.50	3	Alz1998b	-3.5	-0.058
1995.7678	304.4	0.559	1	Hrt1997	0.5	0.000
1995.7690	304.1	0.56	1	WSI1999b	0.2	0.001
1995.9235	304.2	0.556	1	Hrt1997	0.3	-0.004
2002.8340	305.7	0.62	3	WSI2004a	3.2	0.047