20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
129470 1993 *KC*									
	h m	° ′			°	m	°	°	°
12 27	3 7.00	+ 8 43.0	2.127	2.868	15.0	20.8	131 E	54	55
1 6	3 4.79	+ 8 8.0	2.263	2.885	17.2	21.0	120 E	53	56
1 16	3 5.10	+ 7 50.3	2.412	2.900	18.6	21.2	110 E	53	56
1 26	3 7.72	+ 7 47.1	2.568	2.914	19.4	21.4	101 E	53	55*
2 5	3 12.35	+ 7 55.1	2.727	2.927	19.7	21.5	92 E	53	53*
170908 2004 XK_{61}									
12 27	3 7.28	+26 32.9	1.127	1.955	20.6	19.2	136 E	72	37
1 6	3 10.97	+25 47.0	1.246	1.993	23.4	19.6	126 E	71	38
1 16	3 17.86	+25 17.9	1.377	2.031	25.4	19.9	118 E	70	39
1 26	3 27.42	+25 3.3	1.518	2.069	26.6	20.2	110 E	70	39*
2 5	3 39.09	+24 59.6	1.665	2.106	27.2	20.4	102 E	70	38*
2 15	3 52.47	+25 3.4	1.817	2.143	27.3	20.7	95 E	70	37*
2 25	4 7.22	+25 11.7	1.972	2.180	27.0	20.9	88 E	70*	36*
3 7	4 23.04	+25 21.7	2.127	2.216	26.3	21.1	82 E	67*	35*
3 17	4 39.72	+25 31.1	2.281	2.251	25.4	21.2	76 E	63*	33*
3 27	4 57.06	+25 38.0	2.433	2.286	24.2	21.4	70 E	58*	32*
4 6	5 14.89	+25 41.0	2.582	2.320	22.8	21.5	64 E	52*	31*
360502 2003 EO_{16}									
12 27	3 7.95	−78 24.6	0.226	0.949	92.2	20.4	75 E	—	38
12 28	3 22.37	−77 25.5	0.225	0.953	91.1	20.4	76 E	—	39
12 29	3 34.67	−76 24.0	0.224	0.957	90.1	20.3	77 E	—	40
12 30	3 45.23	−75 20.5	0.224	0.961	89.0	20.3	78 E	—	41
12 31	3 54.37	−74 15.5	0.223	0.966	87.9	20.3	79 E	—	42
1 1	4 2.35	−73 9.1	0.223	0.970	86.9	20.2	80 E	—	43
1 2	4 9.36	−72 1.6	0.222	0.974	85.8	20.2	81 E	—	44
1 3	4 15.57	−70 53.1	0.222	0.978	84.8	20.2	82 E	—	45
1 4	4 21.10	−69 43.7	0.222	0.983	83.7	20.1	83 E	—	46
1 5	4 26.07	−68 33.5	0.221	0.987	82.7	20.1	84 E	—	47
1 6	4 30.56	−67 22.6	0.221	0.991	81.7	20.1	85 E	—	49
1 7	4 34.64	−66 10.9	0.221	0.995	80.6	20.0	87 E	—	50
1 8	4 38.37	−64 58.6	0.220	0.999	79.6	20.0	88 E	—	51
1 9	4 41.80	−63 45.6	0.220	1.003	78.6	20.0	89 E	—	52
1 10	4 44.98	−62 32.0	0.220	1.007	77.6	19.9	90 E	—	53
1 11	4 47.93	−61 17.8	0.220	1.011	76.7	19.9	91 E	—	55
1 12	4 50.69	−60 3.0	0.220	1.014	75.7	19.9	92 E	—	56
1 13	4 53.28	−58 47.6	0.220	1.018	74.7	19.9	93 E	—	57
1 14	4 55.72	−57 31.6	0.220	1.022	73.8	19.8	94 E	—	58
1 15	4 58.05	−56 15.2	0.220	1.026	72.9	19.8	95 E	—	60
1 16	5 0.26	−54 58.2	0.220	1.029	71.9	19.8	96 E	—	61
1 18	5 4.41	−52 22.8	0.221	1.037	70.1	19.8	98 E	—	64
1 20	5 8.27	−49 45.9	0.222	1.044	68.4	19.7	100 E	—	66
1 22	5 11.91	−47 7.7	0.223	1.051	66.7	19.7	101 E	—	69
1 24	5 15.38	−44 28.5	0.224	1.058	65.1	19.7	103 E	1	72
1 26	5 18.73	−41 48.8	0.226	1.064	63.6	19.7	105 E	3	74
1 28	5 22.00	−39 9.0	0.228	1.070	62.1	19.7	106 E	6	77
1 30	5 25.20	−36 29.7	0.231	1.077	60.8	19.6	107 E	9	80
2 1	5 28.37	−33 51.1	0.233	1.083	59.6	19.6	109 E	11	82
2 3	5 31.52	−31 13.9	0.237	1.089	58.5	19.7	110 E	14	85
2 5	5 34.67	−28 38.5	0.240	1.094	57.5	19.7	111 E	16	87
2 10	5 42.66	−22 21.1	0.251	1.107	55.5	19.7	112 E	23	86
2 15	5 50.94	−16 24.9	0.265	1.119	54.2	19.8	113 E	29	80
2 20	5 59.61	−10 55.4	0.281	1.130	53.5	20.0	113 E	34	75
2 25	6 8.70	− 5 55.6	0.300	1.139	53.3	20.1	113 E	39	70
3 7	6 28.11	+ 2 33.0	0.343	1.154	54.0	20.5	110 E	48	61
3 17	6 49.16	+ 9 9.4	0.391	1.163	55.4	20.8	106 E	54	55
3 27	7 11.74	+14 10.0	0.442	1.167	57.0	21.1	101 E	59	50
4 6	7 35.49	+17 52.6	0.495	1.166	58.5	21.4	97 E	62*	46
68569 2001 YE_3									
12 27	3 8.89	+36 7.7	1.281	2.105	18.8	18.0	136 E	81	28
1 1	3 7.29	+34 39.1	1.303	2.088	20.7	18.1	131 E	80	29
1 6	3 6.86	+33 14.1	1.329	2.070	22.5	18.2	126 E	78	31
1 11	3 7.53	+31 53.6	1.358	2.052	24.1	18.3	122 E	77	32
1 16	3 9.27	+30 38.5	1.391	2.034	25.6	18.3	117 E	76	33
1 21	3 11.98	+29 29.4	1.427	2.016	26.9	18.4	112 E	74	34*
1 26	3 15.60	+28 26.3	1.464	1.999	28.0	18.5	108 E	73	35*
2 5	3 25.23	+26 37.2	1.543	1.963	29.7	18.6	99 E	72	36*
2 15	3 37.64	+25 8.3	1.624	1.927	30.8	18.7	92 E	70	36*
2 25	3 52.37	+23 55.7	1.705	1.891	31.4	18.8	85 E	68*	36*
3 7	4 9.05	+22 54.4	1.783	1.856	31.6	18.8	78 E	63*	36*
3 17	4 27.39	+22 0.0	1.858	1.821	31.4	18.9	72 E	58*	35*
3 27	4 47.16	+21 8.5	1.927	1.788	30.9	18.9	67 E	53*	35*
4 6	5 8.13	+20 16.0	1.991	1.755	30.2	18.9	62 E	47*	35*
4 16	5 30.15	+19 19.3	2.048	1.723	29.3	18.9	57 E	41*	34*
4 26	5 53.06	+18 15.8	2.099	1.693	28.3	18.9	53 E	35*	34*
5 6	6 16.72	+17 3.0	2.143	1.664	27.2	18.9	49 E	29*	34*
5 16	6 41.02	+15 39.4	2.182	1.638	26.1	18.9	45 E	23*	33*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
68569 2001 YE_3 *(continuation)*									
	h m	° ′			°	m	°	°	°
5 26	7 5.85	+14 3.4	2.214	1.613	24.9	18.8	42 E	17*	32*
6 5	7 31.10	+12 14.4	2.242	1.592	23.8	18.8	39 E	12*	31*
6 15	7 56.72	+10 12.0	2.266	1.573	22.7	18.7	37 E	7*	30*
6 25	8 22.65	+ 7 56.4	2.287	1.557	21.6	18.7	34 E	2*	28*
7 5	8 48.84	+ 5 28.4	2.306	1.545	20.6	18.7	32 E	—	26*
7 15	9 15.28	+ 2 49.1	2.324	1.536	19.6	18.6	30 E	—	24*
7 25	9 41.97	+ 0 0.3	2.342	1.530	18.6	18.6	29 E	—	22*
8 4	10 8.92	− 2 55.8	2.360	1.528	17.6	18.6	27 E	—	19*
8 14	10 36.18	− 5 56.8	2.381	1.530	16.6	18.6	26 E	—	17*
8 24	11 3.75	− 8 59.6	2.403	1.536	15.6	18.6	24 E	—	15*
9 3	11 31.69	−12 1.0	2.428	1.545	14.5	18.6	23 E	—	12*
9 13	12 0.03	−14 58.0	2.456	1.558	13.3	18.6	21 E	—	10*
9 23	12 28.77	−17 47.0	2.486	1.574	12.1	18.6	19 E	—	8*
10 3	12 57.94	−20 25.1	2.519	1.593	10.9	18.6	17 E	—	6*
10 13	13 27.49	−22 49.4	2.553	1.615	9.6	18.6	16 E	—	4*
10 23	13 57.37	−24 57.2	2.588	1.639	8.3	18.6	14 E	—	2*
11 2	14 27.47	−26 46.6	2.623	1.666	7.2	18.6	12 W	—	—
11 12	14 57.67	−28 16.0	2.656	1.694	6.4	18.7	11 W	—	1*
11 22	15 27.78	−29 24.5	2.686	1.724	6.0	18.7	11 W	—	3*
12 2	15 57.61	−30 11.6	2.712	1.756	6.3	18.8	11 W	—	5*
12 12	16 26.95	−30 37.7	2.733	1.789	7.3	18.9	13 W	—	7*
12 22	16 55.57	−30 43.2	2.748	1.823	8.6	19.0	16 W	—	10*
1 1	17 23.29	−30 29.5	2.755	1.858	10.2	19.1	20 W	—	13*
1 11	17 49.93	−29 57.9	2.754	1.893	12.0	19.2	23 W	2*	17*
1 21	18 15.35	−29 10.2	2.744	1.929	13.8	19.3	28 W	3*	22*
474613 2004 TL_{19}									
12 27	3 9.43	−12 17.0	0.451	1.274	41.6	21.3	121 E	33	76
1 1	3 24.06	−11 6.0	0.483	1.295	41.1	21.5	120 E	34	75
1 6	3 38.01	− 9 47.9	0.519	1.318	40.6	21.7	119 E	35	74
1 11	3 51.38	− 8 25.1	0.557	1.342	40.1	21.9	119 E	37	72
1 16	4 4.26	− 6 59.7	0.597	1.368	39.5	22.0	118 E	38	71
3443 Leetsungdao									
12 27	3 9.71	+ 2 8.1	1.918	2.645	16.9	17.5	129 E	47	62
1 6	3 8.83	+ 2 39.8	2.056	2.674	18.8	17.8	119 E	48	61
1 16	3 10.47	+ 3 23.6	2.206	2.702	20.0	18.0	110 E	48	61
1 26	3 14.39	+ 4 16.0	2.362	2.728	20.7	18.2	101 E	49	59*
2 5	3 20.28	+ 5 13.9	2.523	2.755	20.9	18.3	93 E	50	56*
2 15	3 27.87	+ 6 14.7	2.685	2.780	20.7	18.5	85 E	51*	52*
2 25	3 36.91	+ 7 16.2	2.845	2.804	20.2	18.6	78 E	51*	49*
3 7	3 47.16	+ 8 16.8	3.000	2.828	19.3	18.7	71 E	48*	45*
3 17	3 58.44	+ 9 14.9	3.150	2.851	18.2	18.8	64 E	44*	41*
3 27	4 10.58	+10 9.5	3.292	2.873	16.9	18.9	57 E	39*	38*
4 6	4 23.42	+10 59.5	3.424	2.894	15.5	18.9	51 E	33*	34*
4 16	4 36.85	+11 44.2	3.546	2.914	13.9	19.0	44 E	27*	31*
4 26	4 50.76	+12 22.9	3.656	2.933	12.3	19.0	38 E	20*	27*
5 6	5 5.03	+12 55.1	3.754	2.952	10.5	19.0	32 E	14*	24*
5 16	5 19.59	+13 20.6	3.837	2.969	8.8	19.0	27 E	7*	19*
5 26	5 34.34	+13 38.9	3.907	2.985	7.1	19.0	21 E	1*	15*
6 5	5 49.20	+13 49.9	3.962	3.001	5.4	18.9	16 E	—	10*
6 15	6 4.10	+13 53.7	4.002	3.016	4.0	18.9	12 E	—	5*
6 25	6 18.95	+13 50.1	4.027	3.030	3.2	18.9	10 E	—	—
7 5	6 33.70	+13 39.4	4.036	3.043	3.5	18.9	11 W	—	3*
7 15	6 48.26	+13 21.7	4.030	3.055	4.7	19.0	14 W	—	8*
7 25	7 2.56	+12 57.3	4.007	3.066	6.2	19.0	19 W	1*	13*
8 4	7 16.54	+12 26.6	3.970	3.076	7.9	19.1	25 W	7*	17*
8 14	7 30.11	+11 50.0	3.917	3.085	9.5	19.1	30 W	13*	22*
8 24	7 43.20	+11 8.1	3.850	3.093	11.2	19.2	36 W	20*	26*
9 3	7 55.72	+10 21.4	3.768	3.101	12.7	19.2	43 W	26*	29*
9 13	8 7.58	+ 9 30.7	3.673	3.107	14.1	19.2	49 W	32*	33*
9 23	8 18.65	+ 8 36.9	3.566	3.113	15.4	19.2	56 W	38*	37*
10 3	8 28.84	+ 7 40.7	3.448	3.117	16.6	19.1	63 W	43*	41*
10 13	8 37.99	+ 6 43.3	3.320	3.121	17.5	19.1	70 W	47*	45*
10 23	8 45.94	+ 5 46.1	3.185	3.124	18.1	19.0	77 W	50*	49*
11 2	8 52.52	+ 4 50.4	3.044	3.125	18.5	18.9	85 W	50	53*
11 12	8 57.50	+ 3 58.1	2.901	3.126	18.4	18.8	94 W	49	57*
11 22	9 0.68	+ 3 11.1	2.759	3.126	18.0	18.7	103 W	48	60*
12 2	9 1.84	+ 2 31.8	2.621	3.125	17.0	18.6	112 W	48	61
12 12	9 0.80	+ 2 2.7	2.492	3.123	15.6	18.4	122 W	47	62
12 22	8 57.48	+ 1 46.6	2.376	3.121	13.6	18.2	132 W	47	62
1 1	8 51.95	+ 1 45.7	2.279	3.117	11.1	18.0	142 W	47	62
1 11	8 44.49	+ 2 1.6	2.204	3.112	8.3	17.9	153 W	47	62
1 21	8 35.65	+ 2 34.3	2.157	3.106	5.7	17.7	162 W	48	61
25974 2001 FF_{43}									
12 27	3 10.24	+16 26.4	2.211	2.982	13.7	20.5	134 E	61	48
1 6	3 7.49	+16 16.4	2.329	2.986	16.0	20.7	123 E	61	48
1 16	3 7.30	+16 17.2	2.461	2.988	17.6	20.9	113 E	61	48
1 26	3 9.52	+16 27.8	2.602	2.990	18.7	21.0	104 E	61	47*
2 5	3 13.89	+16 47.0	2.748	2.991	19.2	21.1	94 E	62	45*
2 15	3 20.18	+17 12.8	2.894	2.991	19.2	21.3	86 E	62*	42*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
						(continuation)			
	h m	° ′			°	m	°	°	°
25974 2001 FF_{43}									
2 25	3 28.13	+17 43.7	3.038	2.990	18.9	21.4	78 E	60*	39*
3 7	3 37.50	+18 17.8	3.177	2.988	18.2	21.4	70 E	56*	36*
3 17	3 48.10	+18 53.6	3.308	2.985	17.2	21.5	63 E	50*	32*
159856 2004 JW_{6}									
12 27	3 11.08	+ 1 43.6	1.231	1.999	22.6	21.0	129 E	47	62
1 6	3 13.12	+ 3 25.7	1.378	2.056	24.4	21.4	120 E	48	61
1 16	3 17.96	+ 5 9.1	1.535	2.112	25.6	21.7	112 E	50	59
1 26	3 25.15	+ 6 50.8	1.701	2.167	26.1	22.0	104 E	52	57*
2 5	3 34.23	+ 8 28.5	1.872	2.221	26.1	22.3	97 E	53	54*
302531 2002 LL_{58}									
12 27	3 11.20	+21 35.2	1.437	2.248	17.8	19.2	136 E	67	42
1 6	3 12.32	+21 45.1	1.576	2.295	20.3	19.5	126 E	67	42
1 16	3 16.43	+22 3.1	1.728	2.342	22.0	19.8	117 E	67	42
1 26	3 23.10	+22 28.0	1.890	2.388	23.1	20.1	108 E	67	41*
2 5	3 31.90	+22 58.0	2.059	2.434	23.5	20.3	100 E	68	40*
2 15	3 42.45	+23 31.0	2.232	2.480	23.4	20.5	93 E	69	38*
2 25	3 54.45	+24 5.5	2.407	2.525	23.0	20.7	85 E	68*	36*
3 7	4 7.60	+24 39.7	2.581	2.570	22.2	20.9	78 E	65*	34*
3 17	4 21.70	+25 12.1	2.753	2.614	21.2	21.0	72 E	60*	32*
3 27	4 36.57	+25 41.7	2.920	2.658	19.9	21.1	65 E	54*	30*
4 6	4 52.02	+26 7.4	3.082	2.701	18.5	21.3	59 E	48*	28*
4 16	5 7.93	+26 28.4	3.236	2.743	16.9	21.3	52 E	42*	26*
4 26	5 24.18	+26 44.2	3.381	2.785	15.2	21.4	46 E	36*	23*
5 6	5 40.64	+26 54.4	3.517	2.825	13.4	21.5	40 E	29*	21*
5 16	5 57.22	+26 58.7	3.641	2.865	11.5	21.5	34 E	23*	18*
360690 2004 SV_{20}									
12 27	3 11.84	+27 14.9	1.604	2.416	16.2	21.3	137 E	72	37
1 6	3 10.06	+26 44.7	1.724	2.439	19.0	21.6	126 E	72	37
1 16	3 11.65	+26 25.4	1.857	2.460	21.0	21.8	117 E	71	38
1 26	3 16.22	+26 17.2	2.000	2.481	22.2	22.0	107 E	71	37*
2 5	3 23.32	+26 18.9	2.149	2.500	22.9	22.2	99 E	71	36*
363630 2004 RO_{139}									
12 27	3 12.00	+14 4.1	1.255	2.062	20.1	21.5	134 E	59	50
1 6	3 13.40	+14 29.3	1.374	2.091	22.9	21.8	124 E	59	50
1 16	3 17.97	+15 5.9	1.504	2.119	24.8	22.1	115 E	60	49
1 26	3 25.28	+15 50.6	1.642	2.148	26.0	22.3	107 E	61	48*
2 5	3 34.88	+16 40.3	1.786	2.175	26.6	22.5	99 E	62	46*
253446 2003 RU_{10}									
12 27	3 12.81	+ 5 36.1	1.493	2.262	19.2	19.8	131 E	51	58
1 1	3 12.71	+ 5 18.4	1.557	2.276	20.5	20.0	126 E	50	59
1 6	3 13.34	+ 5 7.1	1.625	2.291	21.6	20.1	121 E	50	59
1 11	3 14.67	+ 5 1.6	1.695	2.305	22.5	20.2	116 E	50	59
1 16	3 16.66	+ 5 1.1	1.767	2.320	23.2	20.4	112 E	50	59
1 26	3 22.43	+ 5 12.4	1.917	2.348	24.1	20.6	103 E	50	58*
2 5	3 30.25	+ 5 36.0	2.071	2.375	24.4	20.8	95 E	51	57*
2 15	3 39.79	+ 6 7.4	2.226	2.402	24.3	21.0	88 E	51	54*
2 25	3 50.78	+ 6 43.4	2.380	2.429	23.7	21.1	81 E	51*	51*
3 7	4 2.96	+ 7 20.8	2.531	2.454	22.9	21.3	74 E	49*	48*
3 17	4 16.13	+ 7 57.5	2.677	2.479	21.8	21.4	68 E	45*	45*
3 27	4 30.11	+ 8 31.6	2.817	2.503	20.6	21.5	62 E	40*	42*
264218 2010 RU_{52}									
12 27	3 12.84	+14 54.7	1.334	2.140	19.2	21.0	134 E	60	49
1 6	3 13.84	+15 4.4	1.456	2.169	21.9	21.3	124 E	60	49
1 16	3 17.92	+15 27.1	1.589	2.198	23.8	21.5	115 E	60	49
1 26	3 24.70	+15 59.7	1.731	2.227	25.0	21.8	107 E	61	48*
2 5	3 33.73	+16 38.9	1.879	2.255	25.6	22.0	99 E	62	46*
210764 2000 WZ_{134}									
12 27	3 12.89	+27 59.2	1.431	2.252	17.3	20.2	137 E	73	36
1 6	3 12.74	+27 19.3	1.552	2.283	20.1	20.5	127 E	72	37
1 16	3 15.98	+26 52.1	1.686	2.313	22.1	20.7	118 E	72	37
1 26	3 22.15	+26 37.3	1.831	2.342	23.4	21.0	109 E	72	37*
2 5	3 30.75	+26 33.0	1.982	2.371	24.1	21.2	101 E	72	36*
2 15	3 41.37	+26 36.7	2.136	2.399	24.3	21.4	93 E	72	35*
275589 1999 VE_{20}									
12 27	3 13.15	+16 53.6	0.581	1.454	28.6	19.4	135 E	62	47
1 6	3 21.47	+18 3.2	0.636	1.458	32.6	19.7	127 E	63	46
1 16	3 34.15	+19 20.4	0.699	1.465	35.5	20.0	120 E	64	45
1 26	3 50.54	+20 39.7	0.769	1.475	37.6	20.3	114 E	66	43
2 5	4 9.90	+21 55.3	0.845	1.488	38.9	20.5	109 E	67	42*
2 15	4 31.65	+23 2.8	0.926	1.504	39.7	20.8	104 E	68	41*
2 25	4 55.26	+23 58.2	1.013	1.522	40.0	21.0	99 E	69	40*
3 7	5 20.20	+24 38.6	1.104	1.543	39.9	21.2	95 E	70*	39*
3 17	5 46.06	+25 2.2	1.200	1.566	39.5	21.4	91 E	69*	38*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
357430 2003 YP_{135}									
	h m	° ′			°	m	°	°	°
12 27	3 13.17	+11 35.9	0.810	1.648	25.7	17.9	133 E	57	52
1 1	3 15.26	+13 21.3	0.848	1.656	27.3	18.1	129 E	58	51
1 6	3 18.36	+15 3.2	0.889	1.665	28.7	18.2	126 E	60	49
1 11	3 22.42	+16 41.0	0.933	1.675	29.9	18.4	122 E	62	47
1 16	3 27.40	+18 14.2	0.980	1.685	30.9	18.5	118 E	63	46
1 26	3 39.86	+21 6.3	1.081	1.710	32.4	18.8	112 E	66	43*
2 5	3 55.17	+23 38.3	1.191	1.737	33.2	19.1	105 E	69	40*
2 15	4 12.86	+25 49.8	1.308	1.767	33.4	19.3	100 E	71	38*
2 20	4 22.46	+26 47.9	1.369	1.783	33.4	19.4	97 E	72	36*
2 25	4 32.50	+27 40.9	1.431	1.800	33.3	19.5	94 E	73	35*
3 2	4 42.91	+28 28.8	1.494	1.817	33.0	19.7	92 E	73*	34*
3 7	4 53.66	+29 11.5	1.559	1.835	32.7	19.8	89 E	73*	33*
3 12	5 4.70	+29 49.2	1.624	1.854	32.4	19.9	87 E	73*	33*
3 17	5 15.99	+30 21.9	1.691	1.872	31.9	20.0	84 E	71*	32*
3 22	5 27.50	+30 49.7	1.757	1.892	31.4	20.0	82 E	70*	31*
3 27	5 39.17	+31 12.6	1.825	1.911	30.9	20.1	79 E	68*	31*
4 1	5 50.97	+31 30.8	1.893	1.931	30.3	20.2	77 E	66*	30*
4 6	6 2.86	+31 44.2	1.961	1.952	29.6	20.3	75 E	64*	30*
4 11	6 14.82	+31 53.1	2.030	1.972	29.0	20.4	72 E	61*	30*
4 16	6 26.81	+31 57.5	2.098	1.993	28.2	20.5	70 E	59*	29*
4 21	6 38.80	+31 57.6	2.167	2.014	27.5	20.5	68 E	56*	29*
4 26	6 50.77	+31 53.6	2.235	2.036	26.7	20.6	66 E	54*	29*
5 1	7 2.68	+31 45.7	2.304	2.057	25.9	20.7	63 E	51*	29*
5 6	7 14.51	+31 33.9	2.371	2.079	25.1	20.7	61 E	49*	28*
5 11	7 26.26	+31 18.6	2.439	2.101	24.3	20.8	59 E	46*	28*
5 16	7 37.90	+30 59.8	2.506	2.123	23.4	20.8	57 E	43*	28*
5 21	7 49.42	+30 37.7	2.572	2.145	22.5	20.9	54 E	40*	28*
5 26	8 0.81	+30 12.7	2.637	2.167	21.6	20.9	52 E	38*	27*
5 31	8 12.04	+29 44.8	2.701	2.189	20.7	21.0	50 E	35*	27*
6 5	8 23.12	+29 14.3	2.765	2.212	19.8	21.0	48 E	32*	26*
6 10	8 34.04	+28 41.4	2.827	2.234	18.9	21.1	45 E	30*	26*
6 15	8 44.81	+28 6.2	2.888	2.256	17.9	21.1	43 E	27*	25*
6 20	8 55.40	+27 29.0	2.947	2.279	17.0	21.1	41 E	25*	24*
6 25	9 5.83	+26 49.9	3.005	2.301	16.0	21.2	39 E	23*	23*
6 30	9 16.09	+26 9.2	3.061	2.323	15.1	21.2	36 E	21*	22*
7 5	9 26.19	+25 26.9	3.116	2.346	14.1	21.2	34 E	19*	21*
7 10	9 36.13	+24 43.3	3.168	2.368	13.1	21.2	32 E	17*	19*
7 15	9 45.91	+23 58.5	3.219	2.390	12.2	21.3	30 E	16*	18*
7 20	9 55.53	+23 12.7	3.267	2.412	11.2	21.3	28 E	14*	16*
7 25	10 4.99	+22 26.1	3.313	2.434	10.3	21.3	25 E	13*	14*
7 30	10 14.31	+21 38.8	3.357	2.456	9.3	21.3	23 E	12*	12*
8 4	10 23.48	+20 50.9	3.399	2.478	8.4	21.3	21 E	11*	10*
8 9	10 32.52	+20 2.6	3.438	2.500	7.5	21.3	19 E	9*	8*
8 14	10 41.41	+19 14.0	3.474	2.521	6.7	21.3	17 E	8*	6*
8 19	10 50.18	+18 25.3	3.507	2.543	5.9	21.3	15 E	7*	4*
8 24	10 58.81	+17 36.6	3.538	2.564	5.2	21.3	13 E	7*	1*
8 29	11 7.32	+16 48.0	3.566	2.585	4.6	21.3	12 E	6*	—
9 3	11 15.70	+15 59.6	3.590	2.606	4.2	21.3	11 E	5*	—
9 8	11 23.97	+15 11.5	3.612	2.627	4.0	21.4	10 E	4*	—
9 13	11 32.13	+14 24.0	3.630	2.648	4.0	21.4	11 E	3*	—
9 18	11 40.16	+13 37.0	3.645	2.668	4.4	21.4	12 W	3*	—
9 23	11 48.09	+12 50.7	3.656	2.689	4.9	21.5	13 W	5*	—
186822 2004 FE_{31}									
12 27	3 13.66	−17 18.9	0.446	1.258	43.5	18.3	118 E	28	81
1 1	3 25.41	−14 38.3	0.495	1.293	42.1	18.6	118 E	30	79
1 6	3 36.09	−12 11.0	0.546	1.328	41.0	18.8	118 E	33	76
1 11	3 46.04	− 9 55.1	0.599	1.362	40.2	19.0	117 E	35	74
1 16	3 55.53	− 7 49.4	0.655	1.396	39.5	19.3	115 E	37	72
1 21	4 4.72	− 5 52.8	0.712	1.430	39.0	19.5	114 E	39	70
1 26	4 13.74	− 4 4.7	0.772	1.463	38.5	19.7	112 E	41	68
2 5	4 31.51	− 0 51.7	0.898	1.528	37.8	20.1	108 E	44	65
2 15	4 49.26	+ 1 54.0	1.031	1.590	37.1	20.5	104 E	47	62
2 25	5 7.21	+ 4 14.9	1.171	1.650	36.3	20.8	99 E	49	60*
3 7	5 25.39	+ 6 13.0	1.315	1.708	35.4	21.1	94 E	51	57*
3 17	5 43.82	+ 7 50.3	1.463	1.763	34.4	21.4	90 E	52*	55*
178783 2001 BY_{2}									
12 27	3 13.86	−21 30.1	0.960	1.645	32.6	18.2	116 E	24	85
1 1	3 16.02	−19 4.8	0.986	1.649	33.1	18.2	114 E	26	83
1 6	3 19.02	−16 36.0	1.014	1.654	33.5	18.3	112 E	28	81
1 11	3 22.83	−14 5.3	1.046	1.659	33.9	18.4	110 E	31	78
1 16	3 27.41	−11 34.5	1.080	1.666	34.3	18.5	108 E	33	76
1 21	3 32.71	− 9 4.9	1.117	1.673	34.6	18.6	105 E	36	73
1 26	3 38.66	− 6 37.9	1.156	1.680	34.8	18.7	103 E	38	71*
1 31	3 45.21	− 4 14.5	1.198	1.689	35.0	18.8	101 E	41	68*
2 5	3 52.31	− 1 55.5	1.242	1.697	35.0	18.9	99 E	43	65*
2 15	4 8.01	+ 2 26.7	1.338	1.717	35.0	19.0	94 E	47	60*
2 25	4 25.46	+ 6 24.8	1.441	1.739	34.7	19.2	89 E	51*	55*

178783 2001 BY_2 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 7	4 44.36	+ 9 56.7	1.551	1.762	34.1	19.4	85 E	54*	51*
3 17	5 4.47	+13 1.6	1.666	1.788	33.2	19.6	80 E	55*	47*
3 27	5 25.59	+15 39.6	1.786	1.815	32.2	19.7	76 E	54*	44*
4 6	5 47.48	+17 51.3	1.908	1.843	30.9	19.9	71 E	51*	41*
4 16	6 9.96	+19 37.7	2.032	1.873	29.4	20.0	66 E	48*	39*
4 26	6 32.84	+21 0.2	2.156	1.903	27.8	20.1	62 E	44*	37*
5 6	6 55.94	+22 0.2	2.279	1.935	26.1	20.2	58 E	39*	35*
5 16	7 19.11	+22 39.5	2.399	1.967	24.3	20.3	53 E	35*	33*
5 26	7 42.21	+22 59.6	2.516	1.999	22.4	20.4	49 E	30*	31*
6 5	8 5.09	+23 2.5	2.629	2.032	20.4	20.5	44 E	25*	29*
6 15	8 27.70	+22 49.9	2.737	2.065	18.4	20.5	40 E	21*	27*
6 25	8 49.93	+22 23.7	2.839	2.098	16.4	20.6	36 E	17*	24*
7 5	9 11.74	+21 45.6	2.933	2.131	14.4	20.6	31 E	14*	21*
7 15	9 33.11	+20 57.4	3.020	2.164	12.3	20.6	27 E	12*	17*
7 25	9 54.02	+20 0.8	3.098	2.197	10.3	20.6	23 E	9*	14*
8 4	10 14.47	+18 57.4	3.166	2.229	8.4	20.6	19 E	8*	10*
8 14	10 34.48	+17 48.6	3.225	2.261	6.6	20.6	15 E	6*	5*
8 24	10 54.05	+16 36.2	3.274	2.293	5.1	20.6	12 E	5*	1*
9 3	11 13.22	+15 21.5	3.311	2.324	4.3	20.6	10 E	4*	—
9 13	11 32.02	+14 5.8	3.337	2.354	4.4	20.7	10 E	3*	—
9 23	11 50.44	+12 50.6	3.351	2.384	5.4	20.8	13 W	5*	—
10 3	12 8.52	+11 37.3	3.354	2.414	6.9	20.9	17 W	10*	—
10 13	12 26.26	+10 27.0	3.344	2.442	8.6	20.9	21 W	15*	—
10 23	12 43.65	+ 9 21.3	3.322	2.470	10.3	21.0	26 W	20*	—
11 2	13 0.69	+ 8 21.4	3.287	2.497	12.0	21.1	32 W	26*	3*
11 12	13 17.34	+ 7 28.7	3.241	2.524	13.7	21.2	37 W	31*	7*
11 22	13 33.56	+ 6 44.5	3.183	2.549	15.3	21.2	43 W	36*	12*
12 2	13 49.28	+ 6 10.0	3.115	2.574	16.7	21.2	49 W	41*	17*
12 12	14 4.42	+ 5 46.6	3.036	2.598	18.1	21.2	55 W	44*	22*
12 22	14 18.86	+ 5 35.7	2.948	2.621	19.2	21.2	61 W	47*	29*
1 1	14 32.46	+ 5 38.2	2.853	2.644	20.2	21.2	68 W	49*	35*
1 11	14 45.06	+ 5 55.4	2.751	2.665	20.8	21.2	75 W	51*	41*
1 21	14 56.45	+ 6 28.1	2.645	2.685	21.3	21.1	82 W	51	47*

420048 2011 DL_{19}

12 27	3 14.23	+36 23.9	1.032	1.878	20.8	21.3	137 E	81	28
1 1	3 9.91	+34 13.8	1.049	1.856	23.2	21.3	132 E	79	30
1 6	3 7.17	+32 8.2	1.070	1.833	25.6	21.4	126 E	77	32
1 11	3 5.90	+30 9.3	1.095	1.810	27.8	21.5	121 E	75	34
1 16	3 6.00	+28 18.7	1.124	1.786	29.8	21.6	116 E	73	36

516869 2011 HD_8

12 27	3 15.43	−13 5.5	0.948	1.684	29.9	20.3	121 E	32	77
1 1	3 15.75	−13 6.8	0.969	1.666	31.7	20.4	117 E	32	77
1 6	3 17.11	−12 57.3	0.991	1.649	33.2	20.5	113 E	32	77
1 11	3 19.48	−12 38.3	1.014	1.633	34.5	20.5	110 E	32	77
1 16	3 22.86	−12 11.0	1.038	1.618	35.7	20.6	106 E	33	76
1 21	3 27.20	−11 36.5	1.062	1.603	36.7	20.6	103 E	33	76
1 26	3 32.46	−10 55.8	1.086	1.589	37.6	20.7	100 E	34	75*
1 31	3 38.57	−10 10.1	1.110	1.576	38.3	20.7	97 E	35	74*
2 5	3 45.51	− 9 20.1	1.133	1.563	38.9	20.8	95 E	36	72*
2 10	3 53.21	− 8 26.6	1.156	1.552	39.4	20.8	92 E	37	70*
2 15	4 1.65	− 7 30.2	1.179	1.541	39.9	20.9	90 E	37	69*
2 20	4 10.79	− 6 31.8	1.202	1.531	40.2	20.9	88 E	38	67*
2 25	4 20.58	− 5 31.9	1.224	1.523	40.4	20.9	86 E	39*	65*
3 2	4 30.98	− 4 31.3	1.246	1.515	40.6	21.0	84 E	40*	64*
3 7	4 41.96	− 3 30.4	1.268	1.509	40.7	21.0	83 E	41*	63*
3 12	4 53.49	− 2 29.8	1.290	1.503	40.8	21.0	81 E	41*	61*
3 17	5 5.53	− 1 30.1	1.312	1.499	40.8	21.1	80 E	41*	60*
3 22	5 18.06	− 0 31.9	1.335	1.495	40.7	21.1	78 E	41*	59*
3 27	5 31.03	+ 0 24.3	1.358	1.493	40.6	21.1	77 E	41*	58*
4 1	5 44.40	+ 1 18.0	1.381	1.492	40.5	21.2	76 E	40*	57*
4 6	5 58.14	+ 2 8.6	1.406	1.493	40.3	21.2	75 E	39*	56*
4 11	6 12.21	+ 2 55.9	1.431	1.494	40.0	21.2	73 E	39*	56*
4 16	6 26.57	+ 3 39.2	1.458	1.497	39.7	21.3	72 E	38*	55*
4 21	6 41.18	+ 4 18.2	1.486	1.500	39.3	21.3	71 E	37*	54*
4 26	6 55.98	+ 4 52.6	1.515	1.505	38.9	21.3	70 E	35*	54*
5 1	7 10.92	+ 5 22.1	1.545	1.511	38.5	21.4	69 E	34*	53*
5 6	7 25.98	+ 5 46.7	1.577	1.518	38.0	21.4	68 E	33*	53*
5 11	7 41.09	+ 6 6.1	1.611	1.526	37.4	21.5	67 E	31*	52*

390812 2004 JQ_6

12 27	3 16.29	+30 22.6	1.987	2.796	13.6	20.3	138 E	75	34
1 6	3 13.84	+30 4.0	2.135	2.844	15.9	20.6	128 E	75	34
1 16	3 14.38	+29 51.8	2.299	2.892	17.5	20.8	118 E	75	34
1 26	3 17.58	+29 47.0	2.474	2.939	18.5	21.1	109 E	75	34*
2 5	3 23.05	+29 49.5	2.656	2.985	19.0	21.3	100 E	75	33*
2 15	3 30.44	+29 58.4	2.841	3.030	19.0	21.4	91 E	75*	31*

452307 Manawydan

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 27	3 16.74	−10 22.7	0.743	1.523	32.7	19.8	123 E	35	74
1 1	3 13.24	−13 3.2	0.778	1.503	35.7	20.0	117 E	32	77
1 6	3 11.17	−15 17.7	0.815	1.484	38.3	20.1	111 E	30	79
1 11	3 10.44	−17 9.4	0.853	1.465	40.3	20.3	106 E	28	81
1 16	3 10.98	−18 41.7	0.892	1.446	41.9	20.4	101 E	26	83
1 21	3 12.69	−19 57.7	0.930	1.428	43.2	20.5	97 E	25	84*
1 26	3 15.49	−21 0.5	0.966	1.411	44.2	20.6	93 E	24	82*
1 31	3 19.27	−21 52.3	1.001	1.395	44.9	20.6	89 E	23	80*
2 5	3 23.96	−22 35.2	1.034	1.379	45.5	20.7	86 E	22	78*
2 10	3 29.50	−23 10.7	1.063	1.364	45.9	20.8	83 E	22	76*
2 15	3 35.85	−23 40.1	1.090	1.350	46.3	20.8	81 E	21*	74*
2 20	3 42.97	−24 4.8	1.114	1.337	46.5	20.8	79 E	21*	72*
2 25	3 50.83	−24 25.5	1.134	1.325	46.7	20.9	77 E	20*	70*
3 2	3 59.40	−24 43.0	1.151	1.314	46.8	20.9	75 E	19*	69*
3 7	4 8.67	−24 57.8	1.165	1.304	47.0	20.9	74 E	18*	68*
3 12	4 18.67	−25 10.2	1.175	1.295	47.1	20.9	73 E	17*	67*
3 17	4 29.39	−25 20.6	1.182	1.288	47.3	20.9	72 E	16*	66*
3 22	4 40.87	−25 29.2	1.186	1.283	47.4	20.9	71 E	14*	65*
3 27	4 53.10	−25 36.1	1.187	1.278	47.6	20.9	71 E	13*	65*
4 1	5 6.12	−25 41.3	1.186	1.275	47.7	20.9	71 E	12*	65*
4 6	5 19.97	−25 44.5	1.182	1.274	47.9	20.9	71 E	10*	64*
4 11	5 34.67	−25 45.5	1.177	1.273	48.1	20.9	71 E	9*	64*
4 16	5 50.27	−25 44.2	1.170	1.275	48.2	20.9	71 E	8*	65*
4 21	6 6.77	−25 40.1	1.163	1.278	48.3	20.9	72 E	7*	65*
4 26	6 24.17	−25 32.9	1.156	1.282	48.4	20.9	72 E	6*	65*
5 1	6 42.45	−25 21.9	1.149	1.287	48.4	20.9	73 E	5*	66*
5 6	7 1.60	−25 6.7	1.143	1.294	48.4	20.9	74 E	4*	66*
5 11	7 21.54	−24 46.7	1.139	1.303	48.3	20.9	74 E	4*	67*
5 16	7 42.18	−24 21.8	1.138	1.312	48.1	20.9	75 E	3*	68*
5 21	8 3.40	−23 51.9	1.140	1.323	47.8	20.9	76 E	3*	68*
5 26	8 25.02	−23 17.0	1.145	1.335	47.5	20.9	76 E	3*	69*
5 31	8 46.87	−22 37.3	1.155	1.348	47.0	20.9	76 E	3*	70*
6 5	9 8.78	−21 53.4	1.170	1.361	46.5	21.0	77 E	3*	70*
6 10	9 30.55	−21 6.3	1.190	1.376	45.9	21.0	77 E	4*	70*
6 15	9 52.02	−20 17.0	1.215	1.392	45.2	21.1	77 E	4*	70*
6 20	10 13.04	−19 26.7	1.245	1.408	44.5	21.1	76 E	5*	70*
6 25	10 33.49	−18 36.5	1.280	1.426	43.7	21.2	76 E	5*	70*
6 30	10 53.28	−17 47.2	1.319	1.444	42.9	21.3	75 E	6*	69*
7 5	11 12.37	−16 59.8	1.363	1.462	42.0	21.3	74 E	7*	68*
7 10	11 30.73	−16 14.9	1.411	1.481	41.1	21.4	73 E	7*	67*
7 15	11 48.36	−15 33.1	1.463	1.500	40.1	21.5	72 E	8*	66*

79512 1998 KE_3

12 27	3 16.94	+39 18.1	1.305	2.137	18.1	18.5	138 E	84	25
1 1	3 7.51	+39 54.8	1.341	2.123	20.4	18.6	131 E	85	24
1 6	2 59.56	+40 26.3	1.381	2.108	22.4	18.7	125 E	85	24
1 11	2 53.16	+40 54.5	1.425	2.093	24.1	18.8	120 E	86	23
1 16	2 48.31	+41 21.0	1.471	2.078	25.6	18.9	114 E	86	23*
1 21	2 44.96	+41 47.0	1.520	2.063	26.8	19.0	109 E	87	22*
1 26	2 43.03	+42 13.8	1.570	2.048	27.8	19.1	104 E	87	20*
1 31	2 42.42	+42 41.8	1.620	2.033	28.5	19.1	100 E	88	19*
2 5	2 43.04	+43 11.6	1.670	2.018	29.1	19.2	95 E	88*	18*
2 10	2 44.81	+43 43.5	1.720	2.002	29.5	19.3	91 E	85*	16*
2 15	2 47.67	+44 17.7	1.768	1.987	29.8	19.3	87 E	81*	15*
2 20	2 51.54	+44 54.2	1.815	1.971	29.9	19.4	84 E	77*	13*
2 25	2 56.38	+45 32.9	1.860	1.955	29.9	19.4	80 E	74*	12*
3 7	3 8.76	+46 56.2	1.942	1.924	29.7	19.5	74 E	67*	9*
3 17	3 24.65	+48 25.6	2.015	1.893	29.3	19.5	69 E	61*	6*
3 27	3 44.02	+49 58.6	2.076	1.861	28.7	19.5	64 E	56*	4*
4 6	4 6.95	+51 31.2	2.125	1.830	28.1	19.5	59 E	52*	2*
4 16	4 33.64	+52 59.1	2.162	1.800	27.4	19.5	56 E	48*	1*
4 26	5 4.28	+54 16.3	2.188	1.770	26.9	19.4	53 E	45*	—
5 6	5 38.91	+55 15.6	2.205	1.741	26.4	19.4	50 E	43*	—
5 11	5 57.67	+55 36.0	2.209	1.726	26.3	19.4	49 E	42*	—
5 16	6 17.32	+55 48.9	2.212	1.712	26.1	19.4	48 E	42*	—
5 21	6 37.75	+55 53.1	2.213	1.699	26.0	19.4	47 E	41*	—
5 26	6 58.81	+55 47.7	2.213	1.685	25.9	19.3	47 E	40*	—
5 31	7 20.34	+55 31.6	2.211	1.673	25.8	19.3	46 E	40*	—
6 5	7 42.16	+55 4.3	2.209	1.660	25.8	19.3	45 E	39*	1*
6 10	8 4.06	+54 25.0	2.205	1.648	25.7	19.3	45 E	39*	2*
6 15	8 25.85	+53 33.5	2.202	1.636	25.7	19.3	44 E	38*	3*
6 20	8 47.33	+52 29.8	2.198	1.625	25.7	19.2	44 E	38*	3*
6 25	9 8.33	+51 14.1	2.195	1.614	25.6	19.2	43 E	37*	4*
6 30	9 28.73	+49 46.7	2.192	1.604	25.6	19.2	43 E	37*	6*
7 5	9 48.45	+48 8.2	2.189	1.594	25.5	19.2	42 E	36*	7*
7 10	10 7.42	+46 19.3	2.188	1.585	25.4	19.2	42 E	35*	8*
7 15	10 25.62	+44 21.1	2.189	1.577	25.2	19.2	41 E	35*	9*
7 20	10 43.04	+42 14.4	2.190	1.569	25.1	19.1	41 E	34*	10*
7 25	10 59.70	+40 0.2	2.193	1.562	24.8	19.1	40 E	33*	11*
7 30	11 15.64	+37 39.7	2.198	1.555	24.5	19.1	40 E	32*	12*
8 4	11 30.91	+35 13.8	2.205	1.550	24.2	19.1	39 E	31*	13*

79512 1998 KE_3 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
8 9	11 45.55	+32 43.5	2.214	1.545	23.8	19.1	38 E	30*	14*
8 14	11 59.63	+30 9.9	2.225	1.541	23.3	19.1	37 E	29*	14*
8 19	12 13.19	+27 33.9	2.238	1.537	22.7	19.1	36 E	28*	14*
8 24	12 26.28	+24 56.5	2.253	1.534	22.1	19.1	35 E	26*	15*
8 29	12 38.96	+22 18.5	2.269	1.532	21.4	19.0	34 E	25*	15*
9 3	12 51.27	+19 40.4	2.287	1.531	20.6	19.0	32 E	24*	14*
9 8	13 3.28	+17 3.2	2.306	1.531	19.7	19.0	31 E	22*	14*
9 13	13 15.01	+14 27.3	2.327	1.532	18.8	19.0	29 E	21*	13*
9 23	13 37.80	+ 9 21.6	2.371	1.535	16.7	19.0	26 E	18*	12*
10 3	13 59.95	+ 4 26.4	2.416	1.541	14.5	19.0	23 E	15*	9*
10 13	14 21.73	− 0 16.0	2.462	1.551	12.0	18.9	19 E	11*	6*
10 23	14 43.32	− 4 44.5	2.505	1.563	9.3	18.9	15 E	8*	3*
11 2	15 4.94	− 8 58.3	2.543	1.578	6.6	18.8	11 E	4*	—
11 12	15 26.76	−12 57.4	2.576	1.596	4.0	18.7	6 E	—	—
11 22	15 48.91	−16 41.8	2.601	1.616	2.1	18.7	3 W	—	—
12 2	16 11.54	−20 11.9	2.618	1.638	3.1	18.8	5 W	—	—
12 12	16 34.77	−23 28.0	2.626	1.662	5.6	19.0	9 W	—	2*
12 22	16 58.68	−26 30.4	2.624	1.688	8.3	19.1	14 W	1*	8*
1 1	17 23.38	−29 19.5	2.613	1.715	10.9	19.2	19 W	1*	13*
1 11	17 48.91	−31 55.6	2.593	1.744	13.4	19.4	24 W	—	18*
1 21	18 15.31	−34 19.0	2.564	1.773	15.8	19.4	29 W	—	23*

315233 2007 RG_{247}

12 27	3 19.11	+ 6 54.0	1.214	2.016	21.0	20.4	133 E	52	57
1 6	3 20.42	+ 8 1.7	1.329	2.045	23.6	20.7	124 E	53	56
1 16	3 24.86	+ 9 17.8	1.455	2.074	25.4	21.0	115 E	54	55
1 26	3 32.03	+10 38.4	1.590	2.103	26.6	21.2	107 E	56	53*
2 5	3 41.49	+12 0.1	1.731	2.132	27.1	21.5	100 E	57	51*

143404 2003 BD_{44}

12 27	3 19.54	+14 51.7	1.975	2.767	14.3	21.4	136 E	60	49
1 6	3 15.28	+14 45.1	2.126	2.805	16.7	21.7	125 E	60	49
1 16	3 13.98	+14 50.0	2.292	2.842	18.4	21.9	114 E	60	49
1 26	3 15.32	+15 4.9	2.467	2.876	19.4	22.1	104 E	60	48*
2 5	3 18.92	+15 27.7	2.646	2.908	19.7	22.3	95 E	60	46*

42531 McKenna

12 27	3 20.56	+28 15.4	1.777	2.599	14.4	20.2	139 E	73	36
1 6	3 18.28	+27 24.7	1.904	2.629	17.1	20.5	128 E	72	37
1 16	3 19.14	+26 45.9	2.047	2.658	19.0	20.7	118 E	72	37
1 26	3 22.80	+26 19.6	2.200	2.686	20.3	21.0	109 E	71	38*
2 5	3 28.84	+26 4.4	2.360	2.713	21.0	21.2	100 E	71	37*
2 15	3 36.90	+25 58.6	2.523	2.739	21.1	21.3	92 E	71	35*
2 25	3 46.63	+26 0.2	2.687	2.764	20.9	21.5	84 E	69*	34*

5587 1990 *SB*

12 27	3 20.77	− 1 8.1	2.363	3.081	14.3	18.9	129 E	44	65
1 6	3 17.65	− 0 41.0	2.517	3.121	15.9	19.1	119 E	44	65
1 16	3 16.87	− 0 2.3	2.685	3.159	17.0	19.3	110 E	45	64
1 26	3 18.25	+ 0 44.4	2.860	3.195	17.6	19.5	101 E	46	63*
2 5	3 21.53	+ 1 36.4	3.039	3.230	17.8	19.7	92 E	47	60*
2 15	3 26.47	+ 2 31.2	3.218	3.264	17.5	19.8	84 E	47*	55*
2 25	3 32.83	+ 3 26.9	3.395	3.297	16.9	19.9	76 E	47*	51*
3 7	3 40.39	+ 4 22.0	3.565	3.328	16.1	20.0	68 E	44*	47*
3 17	3 48.94	+ 5 15.1	3.727	3.358	15.0	20.1	61 E	39*	43*
3 27	3 58.33	+ 6 5.3	3.879	3.387	13.8	20.2	54 E	34*	38*
4 6	4 8.41	+ 6 51.7	4.018	3.414	12.4	20.2	47 E	27*	34*
4 16	4 19.04	+ 7 33.6	4.144	3.440	10.9	20.3	40 E	21*	30*
4 26	4 30.12	+ 8 10.5	4.254	3.465	9.3	20.3	34 E	14*	26*
5 6	4 41.53	+ 8 41.9	4.348	3.488	7.8	20.3	28 E	7*	21*
5 16	4 53.18	+ 9 7.6	4.425	3.510	6.3	20.2	22 E	—	16*
5 26	5 4.99	+ 9 27.1	4.484	3.531	4.9	20.2	17 E	—	11*
6 5	5 16.87	+ 9 40.4	4.526	3.551	4.0	20.2	14 E	—	5*
6 15	5 28.74	+ 9 47.2	4.549	3.569	3.8	20.2	14 W	—	1*
6 25	5 40.52	+ 9 47.5	4.553	3.587	4.4	20.3	16 W	—	8*
7 5	5 52.12	+ 9 41.3	4.540	3.603	5.6	20.3	20 W	—	14*
7 15	6 3.46	+ 9 28.7	4.508	3.617	7.0	20.4	26 W	—	20*
7 25	6 14.45	+ 9 9.6	4.459	3.631	8.4	20.4	31 W	6*	25*
8 4	6 25.00	+ 8 44.5	4.393	3.643	9.8	20.5	38 W	13*	30*
8 14	6 35.00	+ 8 13.4	4.311	3.655	11.2	20.5	44 W	20*	35*
8 24	6 44.34	+ 7 36.6	4.214	3.665	12.4	20.5	51 W	27*	39*
9 3	6 52.89	+ 6 54.7	4.104	3.674	13.5	20.5	58 W	34*	43*
9 13	7 0.53	+ 6 8.0	3.982	3.681	14.4	20.4	66 W	40*	47*
9 23	7 7.08	+ 5 17.3	3.850	3.688	15.1	20.4	73 W	45*	51*
10 3	7 12.40	+ 4 23.4	3.712	3.693	15.5	20.3	81 W	48*	55*
10 13	7 16.28	+ 3 27.3	3.569	3.697	15.7	20.3	89 W	48*	58*
10 23	7 18.55	+ 2 30.4	3.426	3.700	15.4	20.2	98 W	48	61*
11 2	7 19.04	+ 1 34.4	3.286	3.702	14.8	20.1	107 W	47	62
11 12	7 17.59	+ 0 41.4	3.153	3.702	13.8	19.9	117 W	46	63
11 22	7 14.14	− 0 6.0	3.033	3.702	12.5	19.8	126 W	45	64
12 2	7 8.73	− 0 45.1	2.930	3.700	10.7	19.7	136 W	44	65

5587 1990 *SB* *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 12	7 1.56	− 1 12.9	2.850	3.697	8.9	19.5	145 W	44	65
12 22	6 53.05	− 1 27.0	2.795	3.693	7.2	19.4	152 W	44	65
1 1	6 43.76	− 1 25.7	2.770	3.688	6.3	19.3	156 E	44	65
1 11	6 34.42	− 1 8.9	2.775	3.681	6.9	19.4	153 E	44	65
1 21	6 25.75	− 0 37.9	2.809	3.673	8.4	19.4	147 E	44	65

434762 2006 HA_{153}

12 27	3 21.15	+18 1.6	4.093	4.860	7.9	21.4	137 E	63	46
1 6	3 18.27	+18 10.3	4.213	4.861	9.4	21.5	126 E	63	46
1 16	3 16.87	+18 23.4	4.351	4.862	10.5	21.6	116 E	63	46
1 26	3 16.97	+18 41.0	4.501	4.862	11.2	21.7	106 E	64	45*
2 5	3 18.52	+19 3.0	4.658	4.863	11.6	21.8	96 E	64	43*

85275 1994 *LY*

12 27	3 21.66	−16 35.5	0.768	1.522	33.9	17.8	120 E	28	81
1 1	3 25.54	−13 48.5	0.819	1.553	33.7	18.0	119 E	31	78
1 6	3 29.95	−11 9.9	0.874	1.584	33.6	18.2	117 E	34	75
1 11	3 34.84	− 8 39.9	0.932	1.614	33.5	18.4	115 E	36	73
1 16	3 40.18	− 6 18.4	0.992	1.645	33.5	18.6	113 E	39	70
1 26	3 52.08	− 2 1.0	1.122	1.705	33.3	18.9	108 E	43	66
2 5	4 5.36	+ 1 43.9	1.262	1.764	33.0	19.2	103 E	47	62*
2 15	4 19.81	+ 4 59.1	1.410	1.822	32.5	19.5	97 E	50	58*
2 25	4 35.23	+ 7 47.2	1.563	1.879	31.8	19.8	92 E	53	55*
3 7	4 51.43	+10 10.9	1.722	1.934	30.8	20.0	86 E	55*	51*
3 17	5 8.28	+12 12.4	1.883	1.987	29.6	20.3	81 E	54*	48*
3 27	5 25.64	+13 53.6	2.045	2.038	28.3	20.5	75 E	52*	46*
4 6	5 43.38	+15 16.4	2.206	2.088	26.8	20.6	70 E	49*	43*
4 16	6 1.40	+16 22.3	2.364	2.136	25.1	20.8	65 E	44*	41*
4 26	6 19.61	+17 12.5	2.518	2.181	23.3	20.9	59 E	39*	39*
5 6	6 37.90	+17 48.4	2.666	2.225	21.5	21.0	54 E	33*	36*
5 16	6 56.21	+18 11.0	2.808	2.268	19.5	21.1	48 E	28*	34*
5 26	7 14.46	+18 21.5	2.941	2.308	17.5	21.2	43 E	22*	31*
6 5	7 32.59	+18 20.9	3.064	2.346	15.4	21.2	38 E	16*	27*
6 15	7 50.55	+18 10.2	3.177	2.383	13.2	21.3	32 E	11*	24*
6 25	8 8.30	+17 50.3	3.277	2.417	11.0	21.3	27 E	7*	20*
7 5	8 25.80	+17 22.2	3.365	2.450	8.8	21.3	22 E	3*	15*
7 15	8 43.03	+16 47.0	3.440	2.481	6.6	21.3	16 E	—	10*
7 25	8 59.96	+16 5.4	3.500	2.510	4.4	21.2	11 E	—	5*
8 4	9 16.58	+15 18.5	3.545	2.537	2.1	21.1	5 E	—	—
8 14	9 32.88	+14 27.2	3.575	2.562	0.1	20.9	0 W	—	—
8 24	9 48.84	+13 32.4	3.589	2.585	2.3	21.2	6 W	—	—
9 3	10 4.46	+12 35.2	3.587	2.607	4.5	21.3	12 W	5*	1*
9 13	10 19.71	+11 36.4	3.568	2.627	6.7	21.5	18 W	11*	5*

113071 2002 RK_{62}

12 27	3 22.88	+11 17.5	1.632	2.433	16.5	20.4	135 E	56	53
1 6	3 21.48	+11 43.6	1.763	2.465	19.0	20.7	125 E	57	52
1 16	3 22.98	+12 19.8	1.907	2.496	20.8	20.9	116 E	57	52
1 26	3 27.08	+13 3.7	2.061	2.526	21.9	21.1	107 E	58	51*
2 5	3 33.43	+13 52.7	2.220	2.556	22.4	21.3	98 E	59	49*

178856 2001 KY_{19}

12 27	3 23.16	+10 34.5	2.126	2.908	13.8	20.7	135 E	56	53
1 6	3 19.98	+10 57.4	2.253	2.926	16.1	21.0	125 E	56	53
1 16	3 19.37	+11 29.5	2.395	2.943	17.7	21.2	115 E	56	53
1 26	3 21.17	+12 9.0	2.547	2.959	18.7	21.3	105 E	57	52*
2 5	3 25.14	+12 54.1	2.704	2.974	19.2	21.5	96 E	58	49*

218251 2003 AE_1

12 27	3 24.05	− 7 30.6	0.829	1.619	29.3	17.8	126 E	37	72
1 1	3 25.48	− 4 34.7	0.866	1.633	30.0	18.0	124 E	40	69
1 6	3 27.83	− 1 44.2	0.907	1.647	30.7	18.1	121 E	43	66
1 11	3 31.06	+ 0 59.5	0.952	1.663	31.3	18.2	118 E	46	63
1 16	3 35.10	+ 3 35.4	1.001	1.679	31.9	18.4	116 E	49	60
1 26	3 45.40	+ 8 21.7	1.109	1.713	32.8	18.7	110 E	53	56
2 5	3 58.22	+12 32.9	1.228	1.748	33.2	18.9	104 E	58	51*
2 15	4 13.16	+16 10.3	1.356	1.786	33.2	19.2	98 E	61	47*
2 25	4 29.88	+19 16.3	1.491	1.825	32.8	19.5	92 E	64	43*
3 2	4 38.79	+20 38.2	1.561	1.845	32.5	19.6	90 E	65*	42*
3 7	4 48.03	+21 53.2	1.632	1.865	32.1	19.7	87 E	66*	40*
3 12	4 57.56	+23 1.6	1.703	1.885	31.6	19.8	84 E	66*	39*
3 17	5 7.36	+24 3.7	1.776	1.906	31.1	19.9	82 E	65*	37*
3 22	5 17.39	+24 59.7	1.849	1.926	30.5	20.0	79 E	64*	36*
3 27	5 27.63	+25 49.9	1.922	1.947	29.9	20.1	76 E	62*	35*
4 1	5 38.04	+26 34.5	1.995	1.968	29.2	20.1	74 E	61*	34*
4 6	5 48.60	+27 13.7	2.068	1.989	28.5	20.2	71 E	58*	33*
4 16	6 10.08	+28 16.7	2.214	2.031	26.9	20.4	66 E	54*	31*
4 26	6 31.89	+29 0.8	2.357	2.074	25.2	20.5	61 E	49*	30*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
					(continuation)				
	h m	° ′			°	m	°	°	°
218251 2003 AE_1									
5 6	6 53.83	+29 27.3	2.496	2.116	23.5	20.6	57 E	44*	28*
5 16	7 15.78	+29 37.7	2.631	2.158	21.6	20.7	52 E	38*	27*
5 26	7 37.59	+29 33.6	2.761	2.200	19.7	20.8	47 E	33*	25*
6 5	7 59.14	+29 16.3	2.883	2.241	17.8	20.9	42 E	28*	23*
6 15	8 20.38	+28 47.4	2.999	2.282	15.8	20.9	38 E	24*	21*
6 25	8 41.23	+28 8.3	3.106	2.323	13.9	21.0	33 E	20*	19*
7 5	9 1.63	+27 20.5	3.203	2.362	11.9	21.0	29 E	16*	15*
7 15	9 21.57	+26 25.2	3.291	2.401	10.0	21.0	24 E	13*	12*
7 25	9 41.04	+25 23.9	3.368	2.440	8.3	21.0	20 E	11*	8*
8 4	10 0.03	+24 17.8	3.433	2.477	6.7	21.1	16 E	9*	4*
8 14	10 18.55	+23 8.4	3.487	2.514	5.4	21.1	14 E	7*	—
8 24	10 36.60	+21 56.8	3.528	2.550	4.9	21.1	12 E	6*	—
9 3	10 54.21	+20 44.3	3.557	2.585	5.1	21.1	13 E	5*	—
9 13	11 11.38	+19 32.1	3.572	2.619	6.0	21.2	16 W	7*	—
9 23	11 28.12	+18 21.5	3.574	2.652	7.4	21.3	20 W	12*	—
10 3	11 44.42	+17 13.6	3.562	2.684	8.9	21.4	25 W	18*	—
10 13	12 0.29	+16 9.8	3.536	2.715	10.5	21.5	30 W	23*	—
8014 1990 MF									
12 27	3 25.66	+15 49.1	0.804	1.668	23.4	20.4	138 E	61	48
1 1	3 27.06	+15 58.9	0.869	1.698	25.1	20.7	133 E	61	48
1 6	3 29.35	+16 12.0	0.937	1.729	26.5	20.9	128 E	61	48
1 11	3 32.45	+16 27.7	1.007	1.758	27.6	21.2	124 E	61	48
1 16	3 36.26	+16 45.7	1.080	1.788	28.5	21.4	120 E	62	47
216595 2002 PB_8									
12 27	3 26.66	+20 26.6	0.862	1.729	21.9	19.5	139 E	65	44
1 6	3 32.07	+20 24.0	0.953	1.756	25.4	19.9	130 E	65	44
1 16	3 40.83	+20 34.6	1.056	1.784	27.9	20.2	122 E	66	43
1 26	3 52.42	+20 55.0	1.169	1.814	29.6	20.5	114 E	66	43
2 5	4 6.30	+21 21.0	1.290	1.845	30.6	20.8	108 E	66	43*
2 15	4 22.02	+21 49.1	1.418	1.878	31.1	21.1	101 E	67	42*
2 25	4 39.19	+22 16.0	1.551	1.912	31.0	21.3	95 E	67	41*
276786 2004 KD_1									
12 27	3 26.76	+24 26.4	1.307	2.153	17.2	20.9	140 E	69	40
1 6	3 23.76	+23 10.5	1.420	2.175	20.6	21.2	129 E	68	41
1 16	3 24.66	+22 15.2	1.546	2.194	23.2	21.5	119 E	67	42
1 26	3 28.91	+21 39.3	1.682	2.212	24.8	21.7	109 E	67	42*
2 5	3 35.91	+21 19.4	1.824	2.228	25.8	21.9	101 E	66	42*
496316 2013 HQ_{11}									
12 27	3 27.28	+25 57.8	1.359	2.205	16.6	20.8	140 E	71	38
1 6	3 25.79	+25 18.6	1.471	2.230	19.9	21.1	130 E	70	39
1 16	3 27.89	+24 52.4	1.598	2.255	22.2	21.4	120 E	70	39
1 26	3 33.13	+24 39.0	1.735	2.279	23.8	21.6	111 E	70	39*
2 5	3 41.00	+24 36.3	1.878	2.303	24.7	21.8	103 E	70	39*
306788 2001 HV_{24}									
12 27	3 27.51	+19 46.7	1.543	2.375	15.7	21.3	139 E	65	44
1 6	3 24.75	+19 46.9	1.661	2.397	18.8	21.6	128 E	65	44
1 16	3 25.32	+19 57.1	1.793	2.419	21.0	21.8	118 E	65	44
1 26	3 28.90	+20 16.3	1.935	2.440	22.4	22.0	109 E	65	44*
2 5	3 35.06	+20 42.7	2.083	2.459	23.2	22.2	100 E	66	42*
515136 2011 GB_{62}									
12 27	3 27.66	+17 21.1	1.304	2.142	17.7	21.0	138 E	62	47
1 6	3 20.49	+19 1.0	1.364	2.109	21.8	21.2	127 E	64	45
1 16	3 17.45	+20 43.9	1.438	2.075	25.1	21.3	117 E	66	43
1 26	3 18.53	+22 29.3	1.521	2.041	27.5	21.5	107 E	67	41*
2 5	3 23.44	+24 16.3	1.608	2.007	29.1	21.6	99 E	69	38*
468436 2001 WO_4									
12 27	3 27.70	+15 4.0	0.924	1.780	21.8	20.6	138 E	60	49
1 6	3 26.45	+13 59.9	0.977	1.755	26.6	20.9	127 E	59	50
1 16	3 29.66	+13 23.0	1.039	1.730	30.3	21.1	118 E	58	51
1 26	3 36.98	+13 10.0	1.108	1.706	33.1	21.3	109 E	58	51*
2 5	3 47.89	+13 15.6	1.180	1.682	35.0	21.4	102 E	58	50*
122159 2000 JM_{81}									
12 27	3 28.23	+19 29.0	1.493	2.328	16.0	19.7	139 E	64	45
1 6	3 27.60	+19 3.3	1.623	2.366	18.9	20.0	129 E	64	45
1 16	3 29.99	+18 52.0	1.768	2.405	21.0	20.3	119 E	64	45
1 26	3 35.05	+18 52.9	1.924	2.443	22.2	20.5	110 E	64	45*
2 5	3 42.36	+19 3.4	2.086	2.480	22.9	20.8	102 E	64	44*
2 15	3 51.55	+19 20.7	2.253	2.517	23.1	21.0	94 E	64	43*
2 25	4 2.29	+19 42.2	2.421	2.553	22.8	21.1	86 E	64*	41*
3 7	4 14.29	+20 5.7	2.589	2.589	22.1	21.3	79 E	61*	39*
3 17	4 27.34	+20 29.3	2.753	2.623	21.2	21.4	72 E	57*	37*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
1580 Betulia									
	h m	° ′			°	m	°	°	°
12 27	3 28.75	+35 1.8	1.973	2.802	12.9	19.2	140 E	80	29
1 1	3 21.55	+35 11.1	2.007	2.784	14.6	19.3	134 E	80	29
1 6	3 15.29	+35 18.5	2.046	2.765	16.2	19.3	128 E	80	29
1 11	3 10.02	+35 24.9	2.089	2.746	17.6	19.4	122 E	80	29
1 16	3 5.78	+35 31.2	2.137	2.726	18.8	19.5	117 E	81	28
1 26	3 0.30	+35 46.4	2.240	2.686	20.6	19.6	106 E	81	28*
2 5	2 58.56	+36 8.1	2.348	2.644	21.8	19.7	96 E	81	25*
2 15	3 0.16	+36 38.3	2.455	2.600	22.3	19.8	87 E	79*	22*
2 25	3 4.72	+37 17.7	2.558	2.555	22.3	19.8	79 E	72*	19*
3 7	3 11.86	+38 5.9	2.652	2.509	21.9	19.9	71 E	65*	16*
3 17	3 21.35	+39 2.1	2.735	2.461	21.2	19.9	64 E	58*	13*
3 27	3 32.97	+40 5.2	2.804	2.411	20.3	19.9	57 E	51*	10*
4 6	3 46.62	+41 13.7	2.858	2.360	19.2	19.8	51 E	45*	7*
4 16	4 2.26	+42 26.3	2.897	2.307	18.1	19.8	45 E	39*	5*
4 26	4 19.89	+43 41.3	2.920	2.253	16.9	19.7	41 E	34*	2*
5 6	4 39.60	+44 56.8	2.926	2.197	15.8	19.6	36 E	30*	—
5 16	5 1.52	+46 10.7	2.916	2.139	14.9	19.5	33 E	27*	—
5 26	5 25.79	+47 20.3	2.891	2.081	14.2	19.4	30 E	24*	—
6 5	5 52.57	+48 22.4	2.853	2.021	13.9	19.3	29 E	22*	—
6 15	6 22.04	+49 13.0	2.802	1.959	13.9	19.2	28 E	20*	—
6 25	6 54.25	+49 47.4	2.740	1.897	14.3	19.1	28 E	20*	—
6 30	7 11.36	+49 56.7	2.705	1.866	14.7	19.0	28 E	19*	—
7 5	7 29.12	+49 59.7	2.669	1.834	15.1	19.0	28 E	19*	—
7 10	7 47.48	+49 55.6	2.631	1.802	15.5	18.9	28 E	20*	—
7 15	8 6.39	+49 43.6	2.592	1.770	16.0	18.9	29 E	20*	—
7 20	8 25.76	+49 22.8	2.552	1.738	16.6	18.8	29 E	20*	—
7 25	8 45.50	+48 52.5	2.511	1.705	17.2	18.8	30 E	20*	—
7 30	9 5.51	+48 12.0	2.470	1.673	17.8	18.7	30 E	20*	—
8 4	9 25.68	+47 20.6	2.430	1.641	18.4	18.6	31 E	21*	—
8 9	9 45.89	+46 17.8	2.390	1.608	19.0	18.6	31 E	21*	—
8 14	10 6.03	+45 3.3	2.351	1.576	19.5	18.5	31 E	21*	—
8 19	10 25.98	+43 36.9	2.313	1.544	20.1	18.5	32 E	21*	—
8 24	10 45.64	+41 58.6	2.276	1.512	20.6	18.4	32 E	21*	—
8 29	11 4.96	+40 8.6	2.242	1.481	21.0	18.3	32 E	21*	—
9 3	11 23.85	+38 7.2	2.210	1.450	21.3	18.3	32 E	21*	—
9 8	11 42.29	+35 54.9	2.181	1.420	21.6	18.2	31 E	21*	—
9 13	12 0.23	+33 32.6	2.155	1.390	21.8	18.1	31 E	21*	—
9 18	12 17.66	+31 0.9	2.131	1.361	21.8	18.1	30 E	20*	—
9 23	12 34.60	+28 20.9	2.111	1.333	21.8	18.0	30 E	20*	—
9 28	12 51.05	+25 33.7	2.094	1.306	21.6	17.9	29 E	19*	—
10 3	13 7.04	+22 40.2	2.080	1.280	21.2	17.9	28 E	18*	—
10 8	13 22.61	+19 41.6	2.070	1.256	20.7	17.8	26 E	17*	—
10 13	13 37.80	+16 39.2	2.062	1.233	20.1	17.7	25 E	16*	—
10 18	13 52.63	+13 34.0	2.057	1.212	19.3	17.7	24 E	14*	—
10 23	14 7.17	+10 27.0	2.054	1.193	18.3	17.6	22 E	12*	—
10 28	14 21.47	+ 7 19.3	2.054	1.176	17.3	17.5	21 E	11*	—
11 2	14 35.59	+ 4 11.7	2.055	1.162	16.1	17.5	19 E	9*	—
11 7	14 49.58	+ 1 5.0	2.057	1.149	14.8	17.4	17 E	7*	—
11 12	15 3.50	− 2 0.0	2.061	1.140	13.5	17.3	16 W	6*	—
11 22	15 31.36	− 8 2.4	2.070	1.128	11.2	17.2	13 W	6*	—
12 2	15 59.72	−13 51.0	2.079	1.128	9.7	17.2	11 W	5*	—
12 12	16 29.08	−19 21.8	2.087	1.139	9.9	17.2	12 W	4*	2*
12 22	16 59.98	−24 30.7	2.093	1.161	11.6	17.3	14 W	2*	7*
12 27	17 16.16	−26 55.6	2.095	1.176	12.8	17.4	15 W	1*	9*
1 1	17 32.90	−29 13.4	2.096	1.193	14.1	17.5	17 W	—	11*
1 6	17 50.24	−31 23.4	2.097	1.212	15.4	17.6	19 W	—	13*
1 11	18 8.21	−33 24.9	2.098	1.233	16.7	17.7	21 W	—	15*
1 16	18 26.82	−35 17.3	2.099	1.256	17.9	17.7	23 W	—	17*
1 21	18 46.08	−37 0.0	2.100	1.280	19.1	17.8	25 W	—	18*
55532 2001 WG_2									
12 27	3 29.67	+ 3 10.1	1.482	2.273	18.3	19.6	133 E	48	61
1 1	3 22.33	+ 4 1.5	1.502	2.240	20.4	19.6	127 E	49	60
1 6	3 15.94	+ 4 56.6	1.527	2.206	22.4	19.7	121 E	50	59
1 11	3 10.55	+ 5 54.8	1.557	2.171	24.1	19.8	116 E	51	58
1 16	3 6.21	+ 6 55.6	1.589	2.136	25.7	19.8	110 E	52	57
1 26	3 0.60	+ 9 2.9	1.659	2.062	28.1	19.9	99 E	54	54*
2 5	2 58.81	+11 15.7	1.731	1.984	29.8	20.0	89 E	56	48*
2 15	3 0.49	+13 32.6	1.799	1.902	30.8	20.0	80 E	58*	43*
2 25	3 5.25	+15 52.8	1.858	1.816	31.2	20.0	72 E	56*	37*
3 7	3 12.78	+18 16.2	1.904	1.725	31.2	19.9	64 E	52*	32*
3 17	3 22.88	+20 42.6	1.935	1.630	30.9	19.8	57 E	47*	27*
3 27	3 35.48	+23 12.4	1.948	1.530	30.4	19.7	51 E	42*	23*
4 6	3 50.59	+25 45.5	1.942	1.426	29.9	19.5	45 E	37*	19*
4 16	4 8.45	+28 21.9	1.914	1.316	29.4	19.3	40 E	33*	15*
4 26	4 29.43	+31 0.7	1.863	1.201	29.4	19.0	36 E	29*	12*
5 1	4 41.27	+32 20.4	1.828	1.141	29.6	18.9	34 E	27*	10*
5 6	4 54.16	+33 39.9	1.788	1.081	30.0	18.7	32 E	26*	9*

55532 2001 WG_2 *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
5 11	5 8.23	+34 58.3	1.741	1.020	30.8	18.6	31 E	24*	8*
5 16	5 23.63	+36 14.6	1.687	0.958	32.0	18.4	30 E	24*	6*
5 21	5 40.55	+37 27.2	1.626	0.896	33.7	18.2	29 E	23*	6*
5 26	5 59.17	+38 33.7	1.559	0.834	36.2	18.0	29 E	23*	5*
5 31	6 19.67	+39 30.6	1.484	0.774	39.5	17.9	29 E	23*	5*
6 5	6 42.22	+40 12.9	1.401	0.716	43.9	17.7	29 E	23*	5*
6 10	7 6.84	+40 33.3	1.310	0.662	49.6	17.5	30 E	23*	5*
6 15	7 33.32	+40 22.0	1.212	0.615	56.9	17.4	30 E	24*	6*
6 17	7 44.30	+40 5.8	1.170	0.599	60.2	17.4	31 E	24*	7*
6 19	7 55.44	+39 41.5	1.128	0.584	63.8	17.4	31 E	24*	7*
6 21	8 6.65	+39 8.1	1.085	0.572	67.7	17.3	31 E	24*	8*
6 23	8 17.85	+38 24.6	1.041	0.562	71.8	17.3	32 E	24*	9*
6 25	8 28.96	+37 29.8	0.997	0.554	76.0	17.4	32 E	24*	10*
6 27	8 39.87	+36 22.8	0.952	0.549	80.4	17.4	32 E	23*	11*
6 29	8 50.51	+35 2.3	0.908	0.547	84.8	17.5	32 E	23*	13*
7 1	9 0.79	+33 27.4	0.865	0.547	89.2	17.5	33 E	22*	14*
7 3	9 10.63	+31 37.0	0.822	0.550	93.5	17.6	33 E	22*	15*
7 5	9 19.98	+29 30.3	0.780	0.556	97.6	17.7	33 E	21*	17*
7 7	9 28.82	+27 6.5	0.741	0.564	101.5	17.8	33 E	19*	19*
7 9	9 37.11	+24 24.8	0.703	0.575	105.0	17.9	33 E	18*	20*
7 11	9 44.87	+21 24.7	0.668	0.588	107.9	18.0	33 E	16*	22*
7 13	9 52.11	+18 6.1	0.635	0.603	110.4	18.1	34 E	14*	24*
7 15	9 58.86	+14 29.1	0.606	0.620	112.1	18.2	34 E	11*	26*
7 17	10 5.16	+10 34.3	0.580	0.638	113.1	18.2	35 E	9*	28*
7 19	10 11.07	+ 6 23.0	0.557	0.657	113.4	18.2	36 E	6*	30*
7 21	10 16.63	+ 1 57.3	0.538	0.678	112.9	18.2	38 E	3*	32*
7 23	10 21.90	− 2 40.2	0.522	0.699	111.7	18.1	40 E	—	34*
7 25	10 26.93	− 7 26.1	0.511	0.722	109.8	18.0	42 E	—	35*
7 27	10 31.79	−12 16.6	0.503	0.745	107.4	17.9	44 E	—	36*
7 29	10 36.53	−17 7.6	0.499	0.768	104.5	17.8	47 E	—	37*
7 31	10 41.20	−21 55.3	0.498	0.792	101.3	17.7	50 E	—	38*
8 2	10 45.88	−26 36.1	0.501	0.816	97.9	17.6	53 E	—	38*
8 4	10 50.60	−31 7.2	0.507	0.841	94.4	17.5	56 E	—	38*
8 6	10 55.42	−35 26.4	0.515	0.865	91.0	17.5	59 E	—	38*
8 8	11 0.41	−39 32.3	0.525	0.890	87.5	17.4	61 E	—	38*
8 10	11 5.63	−43 24.0	0.538	0.915	84.2	17.4	64 E	—	37*
8 12	11 11.13	−47 1.5	0.553	0.940	81.0	17.4	66 E	—	37*
8 14	11 16.98	−50 24.8	0.569	0.965	78.0	17.4	69 E	—	36*
8 16	11 23.27	−53 34.6	0.586	0.989	75.2	17.4	71 E	—	36*
8 18	11 30.07	−56 31.4	0.604	1.014	72.5	17.5	73 E	—	35*
8 20	11 37.49	−59 15.9	0.624	1.039	70.0	17.5	75 E	—	35*
8 22	11 45.65	−61 49.1	0.644	1.063	67.6	17.6	76 E	—	34*
8 24	11 54.68	−64 11.4	0.665	1.088	65.4	17.6	78 E	—	34*
8 25	11 59.58	−65 18.8	0.676	1.100	64.3	17.6	79 E	—	34*
8 26	12 4.75	−66 23.6	0.687	1.112	63.3	17.7	79 E	—	34*
8 27	12 10.24	−67 26.1	0.698	1.124	62.3	17.7	80 E	—	33*
8 28	12 16.06	−68 26.2	0.709	1.136	61.3	17.7	81 E	—	33*
8 29	12 22.24	−69 24.0	0.720	1.148	60.4	17.7	81 E	—	33*
8 30	12 28.83	−70 19.6	0.732	1.160	59.5	17.8	82 E	—	33*
8 31	12 35.85	−71 12.9	0.743	1.172	58.7	17.8	82 E	—	33*
9 1	12 43.35	−72 3.9	0.755	1.183	57.8	17.8	83 E	—	33*
9 2	12 51.35	−72 52.6	0.766	1.195	57.0	17.9	83 E	—	33*
9 3	12 59.91	−73 39.1	0.778	1.207	56.2	17.9	84 E	—	33*
9 4	13 9.07	−74 23.3	0.790	1.219	55.5	17.9	84 E	—	33*
9 5	13 18.87	−75 5.1	0.802	1.230	54.7	18.0	85 E	—	33*
9 6	13 29.34	−75 44.5	0.814	1.242	54.0	18.0	85 E	—	33*
9 7	13 40.54	−76 21.3	0.826	1.253	53.3	18.0	86 E	—	33*
9 8	13 52.50	−76 55.6	0.838	1.265	52.6	18.1	86 E	—	33*
9 9	14 5.22	−77 27.2	0.850	1.276	52.0	18.1	86 E	—	34*
9 10	14 18.73	−77 55.9	0.862	1.288	51.3	18.1	87 E	—	34*
9 11	14 33.02	−78 21.7	0.875	1.299	50.7	18.2	87 E	—	34*
9 12	14 48.04	−78 44.5	0.887	1.310	50.1	18.2	87 E	—	34*
9 13	15 3.75	−79 4.1	0.900	1.322	49.5	18.2	88 E	—	34*
9 14	15 20.06	−79 20.4	0.912	1.333	49.0	18.3	88 E	—	34*
9 15	15 36.85	−79 33.4	0.925	1.344	48.4	18.3	88 E	—	35*
9 16	15 53.98	−79 43.0	0.937	1.355	47.9	18.3	88 E	—	35*
9 17	16 11.30	−79 49.3	0.950	1.366	47.4	18.4	89 E	—	35*
9 18	16 28.64	−79 52.2	0.963	1.377	46.8	18.4	89 E	—	35*
9 19	16 45.81	−79 51.9	0.976	1.388	46.4	18.4	89 E	—	35*
9 20	17 2.68	−79 48.6	0.989	1.399	45.9	18.4	89 E	—	36*
9 21	17 19.08	−79 42.4	1.002	1.410	45.4	18.5	89 E	—	36*
9 22	17 34.91	−79 33.4	1.014	1.421	45.0	18.5	89 E	—	36*
9 23	17 50.08	−79 22.0	1.028	1.431	44.5	18.5	90 E	—	36*
9 24	18 4.53	−79 8.3	1.041	1.442	44.1	18.6	90 E	—	37*
9 25	18 18.22	−78 52.5	1.054	1.453	43.7	18.6	90 E	—	37*
9 26	18 31.14	−78 35.0	1.067	1.463	43.3	18.6	90 E	—	37*
9 27	18 43.30	−78 15.8	1.080	1.474	42.9	18.7	90 E	—	38*
9 28	18 54.73	−77 55.3	1.094	1.484	42.5	18.7	90 E	—	38
9 29	19 5.45	−77 33.5	1.107	1.495	42.1	18.7	90 E	—	38
9 30	19 15.50	−77 10.6	1.120	1.505	41.7	18.8	90 E	—	39
10 1	19 24.93	−76 46.8	1.134	1.515	41.4	18.8	90 E	—	39

55532 2001 WG_2 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
10 2	19 33.76	−76 22.2	1.147	1.526	41.0	18.8	90 E	—	40
10 3	19 42.06	−75 56.9	1.161	1.536	40.7	18.9	90 E	—	40
10 4	19 49.86	−75 31.1	1.175	1.546	40.3	18.9	90 E	—	40
10 5	19 57.20	−75 4.7	1.188	1.556	40.0	18.9	90 E	—	41
10 6	20 4.11	−74 37.9	1.202	1.566	39.7	18.9	90 E	—	41
10 7	20 10.63	−74 10.8	1.216	1.576	39.4	19.0	90 E	—	42
10 8	20 16.80	−73 43.3	1.230	1.586	39.0	19.0	90 E	—	42
10 9	20 22.65	−73 15.7	1.244	1.596	38.7	19.0	90 E	—	43
10 10	20 28.19	−72 47.8	1.258	1.606	38.4	19.1	90 E	—	43
10 11	20 33.46	−72 19.8	1.272	1.616	38.2	19.1	90 E	—	44
10 12	20 38.47	−71 51.7	1.286	1.626	37.9	19.1	90 E	—	44
10 13	20 43.26	−71 23.4	1.300	1.635	37.6	19.2	90 E	—	45
10 14	20 47.83	−70 55.1	1.314	1.645	37.3	19.2	90 E	—	45
10 15	20 52.20	−70 26.8	1.328	1.655	37.1	19.2	90 E	—	46
10 16	20 56.39	−69 58.5	1.343	1.664	36.8	19.2	89 E	—	46
10 17	21 0.41	−69 30.2	1.357	1.674	36.5	19.3	89 E	—	46
10 18	21 4.28	−69 1.8	1.371	1.683	36.3	19.3	89 E	—	47
10 19	21 8.00	−68 33.5	1.386	1.693	36.0	19.3	89 E	—	47
10 20	21 11.59	−68 5.3	1.400	1.702	35.8	19.4	89 E	—	48
10 21	21 15.06	−67 37.1	1.415	1.712	35.6	19.4	89 E	—	48
10 22	21 18.42	−67 9.0	1.429	1.721	35.3	19.4	89 E	—	49
10 23	21 21.66	−66 40.9	1.444	1.730	35.1	19.4	88 E	—	49
10 25	21 27.87	−65 45.1	1.473	1.749	34.6	19.5	88 E	—	50
10 27	21 33.73	−64 49.6	1.503	1.767	34.2	19.5	88 E	—	51
10 29	21 39.29	−63 54.5	1.533	1.785	33.8	19.6	87 E	—	52
10 31	21 44.60	−62 59.8	1.563	1.803	33.4	19.6	87 E	—	53
11 2	21 49.67	−62 5.6	1.593	1.820	32.9	19.7	86 E	—	54
11 4	21 54.54	−61 11.9	1.624	1.838	32.6	19.7	86 E	—	55
11 6	21 59.23	−60 18.7	1.654	1.855	32.2	19.8	85 E	—	56
11 8	22 3.76	−59 25.9	1.685	1.872	31.8	19.8	85 E	—	57
11 10	22 8.15	−58 33.7	1.716	1.889	31.4	19.9	84 E	—	57
11 12	22 12.42	−57 42.0	1.747	1.906	31.1	19.9	83 E	—	58*
11 17	22 22.60	−55 35.1	1.825	1.948	30.2	20.1	82 E	—	60*
11 22	22 32.21	−53 31.5	1.904	1.988	29.3	20.2	80 E	—	62*
11 27	22 41.38	−51 31.2	1.984	2.027	28.5	20.3	78 E	—	63*
12 2	22 50.20	−49 34.1	2.064	2.066	27.6	20.4	76 E	—	64*
12 7	22 58.74	−47 40.2	2.144	2.103	26.8	20.5	74 E	—	64*
12 12	23 7.05	−45 49.4	2.224	2.139	26.0	20.6	72 E	—	64*
12 17	23 15.16	−44 1.6	2.304	2.175	25.2	20.7	70 E	1	63*
12 22	23 23.11	−42 16.8	2.384	2.210	24.4	20.7	68 E	3	61*
12 27	23 30.93	−40 35.0	2.463	2.243	23.5	20.8	66 E	4	59*
1 1	23 38.62	−38 55.9	2.541	2.276	22.7	20.9	63 E	6*	57*
1 6	23 46.22	−37 19.6	2.619	2.308	21.9	21.0	61 E	8*	55*
1 11	23 53.74	−35 46.1	2.695	2.340	21.0	21.0	59 E	9*	53*
1 16	0 1.18	−34 15.2	2.770	2.370	20.2	21.1	56 E	10*	50*
1 21	0 8.54	−32 47.0	2.843	2.400	19.4	21.1	54 E	10*	48*

450263 2003 WD_{158}

12 27	3 29.98	+ 9 29.2	0.549	1.432	28.3	19.5	136 E	54	55
1 1	3 19.68	+11 5.5	0.553	1.402	32.7	19.6	130 E	56	53
1 6	3 10.96	+12 47.1	0.560	1.372	36.9	19.7	123 E	58	51
1 11	3 3.95	+14 32.8	0.569	1.341	40.8	19.8	117 E	60	49
1 16	2 58.70	+16 21.7	0.579	1.310	44.5	19.9	111 E	61	48*
1 21	2 55.17	+18 13.3	0.590	1.278	47.8	20.0	106 E	63	45*
1 26	2 53.24	+20 7.0	0.601	1.246	50.9	20.1	101 E	65	42*
1 31	2 52.80	+22 2.9	0.611	1.214	53.8	20.1	96 E	67	39*
2 5	2 53.71	+24 0.8	0.619	1.182	56.5	20.2	92 E	69	36*
2 10	2 55.88	+26 0.8	0.625	1.149	59.1	20.2	88 E	71*	33*
2 15	2 59.19	+28 3.0	0.630	1.117	61.6	20.2	84 E	71*	30*
2 20	3 3.54	+30 7.7	0.631	1.086	64.1	20.2	81 E	71*	27*
2 25	3 8.81	+32 14.9	0.630	1.054	66.5	20.3	78 E	70*	24*
3 2	3 14.91	+34 24.5	0.625	1.024	69.1	20.3	75 E	68*	21*
3 7	3 21.75	+36 36.5	0.618	0.995	71.7	20.3	72 E	66*	19*
3 12	3 29.26	+38 51.1	0.607	0.967	74.4	20.2	70 E	64*	16*
3 17	3 37.33	+41 8.1	0.592	0.941	77.2	20.2	67 E	61*	13*
3 22	3 45.86	+43 27.6	0.575	0.918	80.2	20.2	65 E	59*	11*
3 27	3 54.70	+45 49.3	0.554	0.897	83.3	20.2	63 E	57*	8*
4 1	4 3.68	+48 12.9	0.530	0.879	86.7	20.2	61 E	55*	6*
4 6	4 12.60	+50 38.0	0.503	0.864	90.1	20.2	60 E	52*	4*
4 11	4 21.26	+53 4.6	0.474	0.853	93.7	20.2	58 E	50*	1*
4 16	4 29.35	+55 32.4	0.442	0.846	97.4	20.2	57 E	48*	—
4 21	4 36.48	+58 1.4	0.409	0.843	101.0	20.2	55 E	46*	—
4 26	4 42.12	+60 31.5	0.375	0.844	104.6	20.2	54 E	44*	—
4 28	4 43.81	+61 31.9	0.361	0.846	105.9	20.2	54 E	44*	—
4 30	4 45.11	+62 32.5	0.347	0.848	107.3	20.2	54 E	43*	—
5 2	4 45.96	+63 33.4	0.332	0.851	108.6	20.1	53 E	42*	—
5 4	4 46.30	+64 34.6	0.318	0.855	109.8	20.1	53 E	42*	—
5 6	4 46.05	+65 36.3	0.304	0.859	111.0	20.1	53 E	41*	—
5 8	4 45.10	+66 38.6	0.289	0.864	112.0	20.1	53 E	40*	—
5 10	4 43.33	+67 41.6	0.275	0.870	113.0	20.1	52 E	39*	—

450263 2003 WD_{158} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 12	4 40.57	+68 45.5	0.261	0.876	113.9	20.0	52 E	39*	—
5 14	4 36.60	+69 50.6	0.246	0.883	114.7	20.0	53 E	38*	—
5 16	4 31.12	+70 57.0	0.232	0.890	115.4	19.9	53 E	37*	—
5 17	4 27.68	+71 30.7	0.225	0.894	115.6	19.8	53 E	37*	—
5 18	4 23.70	+72 4.8	0.217	0.898	115.9	19.8	53 E	37*	—
5 19	4 19.09	+72 39.3	0.210	0.902	116.0	19.7	53 E	37*	—
5 20	4 13.75	+73 14.2	0.203	0.906	116.2	19.7	53 E	36*	—
5 21	4 7.56	+73 49.4	0.196	0.910	116.2	19.6	54 E	36*	—
5 22	4 0.37	+74 24.8	0.189	0.914	116.3	19.6	54 E	36*	—
5 23	3 52.01	+75 0.3	0.182	0.919	116.2	19.5	54 W	36*	—
5 24	3 42.26	+75 35.7	0.175	0.923	116.1	19.4	55 W	37*	—
5 25	3 30.86	+76 10.6	0.168	0.928	116.0	19.3	55 W	38*	—
5 26	3 17.49	+76 44.7	0.161	0.933	115.7	19.2	56 W	39*	—
5 27	3 1.77	+77 17.1	0.154	0.938	115.4	19.1	57 W	41*	—
5 28	2 43.30	+77 46.9	0.147	0.943	114.9	19.0	58 W	42*	—
5 29	2 21.67	+78 12.6	0.140	0.948	114.4	18.9	58 W	43*	—
5 30	1 56.54	+78 32.2	0.133	0.953	113.7	18.7	59 W	45*	—
5 31	1 27.79	+78 43.2	0.127	0.958	112.8	18.6	61 W	46*	—
6 1	0 55.70	+78 42.2	0.120	0.963	111.9	18.4	62 W	48*	—
6 2	0 21.12	+78 25.6	0.113	0.969	110.7	18.2	63 W	50*	—
6 3	23 45.42	+77 49.5	0.107	0.974	109.3	18.0	65 W	52*	—
6 4	23 10.28	+76 50.5	0.101	0.979	107.6	17.8	67 W	54*	—
6 5	22 37.18	+75 25.5	0.094	0.985	105.7	17.6	69 W	57*	—
6 6	22 7.14	+73 31.8	0.088	0.991	103.4	17.3	72 W	60*	—
6 7	21 40.59	+71 6.7	0.082	0.996	100.7	17.0	75 W	63*	—
6 8	21 17.50	+68 7.0	0.077	1.002	97.6	16.7	78 W	66*	—
6 9	20 57.59	+64 29.1	0.072	1.008	93.8	16.4	82 W	70*	—
6 10	20 40.46	+60 8.9	0.067	1.014	89.5	16.1	87 W	75	4
6 11	20 25.69	+55 2.8	0.062	1.020	84.4	15.8	92 W	80	9
6 12	20 12.89	+49 8.2	0.059	1.026	78.6	15.4	98 W	86	15
6 13	20 1.75	+42 25.9	0.056	1.031	71.9	15.1	105 W	87	22
6 14	19 51.98	+35 1.8	0.054	1.038	64.7	14.8	113 W	80	29
6 15	19 43.37	+27 8.2	0.053	1.044	56.9	14.6	121 W	72	37
6 16	19 35.73	+19 3.3	0.053	1.050	49.0	14.4	129 W	64	45
6 17	19 28.90	+11 7.2	0.054	1.056	41.3	14.2	137 W	56	53
6 18	19 22.78	+ 3 38.2	0.056	1.062	34.2	14.1	144 W	49	60
6 19	19 17.26	− 3 11.4	0.059	1.068	27.7	14.0	151 W	42	67
6 20	19 12.25	− 9 15.8	0.063	1.074	22.1	14.0	157 W	36	73
6 21	19 7.69	−14 34.6	0.068	1.081	17.5	14.0	161 W	30	79
6 22	19 3.53	−19 10.6	0.073	1.087	13.9	14.1	165 W	26	83
6 23	18 59.72	−23 8.6	0.079	1.093	11.4	14.2	168 W	22	87
6 24	18 56.21	−26 33.6	0.085	1.100	10.0	14.3	169 W	18	89
6 25	18 52.97	−29 30.4	0.091	1.106	9.7	14.4	169 W	15	86
6 26	18 49.99	−32 3.3	0.097	1.112	10.1	14.6	169 W	13	84
6 27	18 47.22	−34 16.1	0.104	1.119	11.0	14.8	168 W	11	82
6 28	18 44.65	−36 11.8	0.111	1.125	12.1	15.0	167 W	9	80
6 29	18 42.27	−37 53.0	0.118	1.131	13.3	15.2	165 W	7	78
6 30	18 40.06	−39 21.8	0.126	1.138	14.4	15.4	164 W	6	77
7 1	18 38.01	−40 40.2	0.133	1.144	15.5	15.6	162 E	4	75
7 2	18 36.11	−41 49.4	0.141	1.151	16.6	15.7	161 E	3	74
7 3	18 34.34	−42 50.7	0.148	1.157	17.5	15.9	160 E	2	73
7 4	18 32.71	−43 45.2	0.156	1.164	18.4	16.0	159 E	1	72
7 5	18 31.20	−44 33.7	0.164	1.170	19.3	16.2	158 E	—	71
7 6	18 29.81	−45 17.0	0.172	1.177	20.1	16.3	157 E	—	71
7 7	18 28.53	−45 55.6	0.180	1.183	20.8	16.5	156 E	—	70
7 8	18 27.37	−46 30.0	0.188	1.189	21.5	16.6	155 E	—	69
7 9	18 26.30	−47 0.8	0.196	1.196	22.2	16.7	154 E	—	69
7 10	18 25.34	−47 28.4	0.205	1.202	22.8	16.8	153 E	—	69
7 11	18 24.48	−47 53.0	0.213	1.209	23.3	17.0	152 E	—	68
7 12	18 23.72	−48 14.9	0.222	1.215	23.9	17.1	151 E	—	68
7 13	18 23.04	−48 34.5	0.230	1.222	24.4	17.2	150 E	—	67
7 14	18 22.46	−48 51.9	0.239	1.228	24.9	17.3	149 E	—	67
7 15	18 21.96	−49 7.3	0.247	1.235	25.3	17.4	149 E	—	67
7 17	18 21.21	−49 33.0	0.265	1.247	26.2	17.6	147 E	—	66
7 19	18 20.78	−49 52.7	0.283	1.260	27.0	17.8	146 E	—	66
7 21	18 20.63	−50 7.5	0.301	1.273	27.7	18.0	144 E	—	66
7 23	18 20.76	−50 17.9	0.320	1.286	28.4	18.1	143 E	—	66
7 25	18 21.13	−50 24.8	0.338	1.298	29.0	18.3	142 E	—	66
7 30	18 23.05	−50 29.2	0.387	1.330	30.4	18.7	139 E	—	66
8 4	18 26.22	−50 19.5	0.436	1.361	31.5	19.0	135 E	—	66
8 9	18 30.47	−49 59.7	0.488	1.391	32.5	19.3	132 E	—	66
8 14	18 35.69	−49 32.5	0.542	1.421	33.3	19.6	130 E	—	66
8 19	18 41.71	−48 59.7	0.597	1.450	34.0	19.9	127 E	—	67
8 24	18 48.41	−48 22.7	0.654	1.479	34.6	20.2	124 E	—	68
8 29	18 55.65	−47 42.3	0.712	1.507	35.0	20.4	121 E	—	68
9 3	19 3.36	−46 59.0	0.772	1.534	35.4	20.6	118 E	—	69
9 8	19 11.46	−46 13.4	0.834	1.561	35.6	20.8	116 E	—	70
9 13	19 19.91	−45 25.8	0.896	1.586	35.8	21.0	113 E	—	71
9 18	19 28.63	−44 36.4	0.961	1.612	35.8	21.2	110 E	—	71
9 23	19 37.57	−43 45.5	1.026	1.636	35.8	21.4	107 E	1	72

213053 1998 WT_{30}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 27	3 30.31	+19 51.3	0.657	1.544	24.3	20.9	140 E	65	44
1 1	3 26.85	+19 40.0	0.665	1.522	27.8	21.0	134 E	65	44
1 6	3 24.88	+19 33.6	0.676	1.499	31.0	21.1	128 E	65	44
1 11	3 24.46	+19 32.4	0.689	1.477	33.9	21.2	123 E	65	44
1 16	3 25.57	+19 36.6	0.703	1.455	36.6	21.2	118 E	65	44
1 21	3 28.18	+19 45.9	0.719	1.433	38.9	21.3	114 E	65	44
1 26	3 32.21	+19 59.8	0.734	1.412	41.0	21.4	110 E	65	44*
1 31	3 37.59	+20 17.8	0.750	1.392	42.9	21.5	106 E	65	43*

507355 2011 VV_5

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	3 32.73	+36 44.0	0.891	1.768	20.5	21.1	141 E	82	27
1 1	3 28.67	+34 30.0	0.960	1.800	22.4	21.4	136 E	79	30
1 6	3 26.51	+32 33.7	1.033	1.831	24.1	21.6	131 E	78	31
1 11	3 25.88	+30 53.9	1.110	1.861	25.5	21.8	125 E	76	33
1 16	3 26.53	+29 28.9	1.191	1.889	26.7	22.1	120 E	74	35

490013 2008 SV_{243}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	3 34.25	+40 17.1	0.832	1.710	21.4	19.9	141 E	85	24
1 1	3 29.80	+40 47.9	0.870	1.716	23.7	20.1	135 E	86	23
1 6	3 27.10	+41 13.3	0.912	1.721	25.7	20.3	131 E	86	23
1 11	3 26.12	+41 34.9	0.956	1.727	27.5	20.4	126 E	87	22
1 16	3 26.77	+41 53.9	1.003	1.733	29.0	20.6	121 E	87	22
1 21	3 28.95	+42 11.5	1.052	1.738	30.2	20.7	117 E	87	22
1 26	3 32.52	+42 28.2	1.102	1.744	31.2	20.9	113 E	87	22*
1 31	3 37.35	+42 44.2	1.153	1.750	32.0	21.0	110 E	88	21*
2 5	3 43.31	+42 59.7	1.206	1.756	32.6	21.1	106 E	88	21*
2 10	3 50.32	+43 14.5	1.258	1.762	33.1	21.2	103 E	88	20*
2 15	3 58.27	+43 28.6	1.312	1.768	33.4	21.3	100 E	88	20*
2 20	4 7.07	+43 41.7	1.365	1.774	33.6	21.4	96 E	89	19*

147719 2005 LL_{48}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	3 35.31	+27 27.5	1.471	2.326	15.1	19.5	142 E	72	37
1 6	3 33.47	+26 43.7	1.593	2.362	18.2	19.8	131 E	72	37
1 16	3 35.02	+26 11.7	1.729	2.397	20.4	20.1	122 E	71	38
1 26	3 39.56	+25 51.6	1.878	2.432	22.0	20.4	113 E	71	38*
2 5	3 46.63	+25 41.9	2.034	2.466	22.8	20.6	104 E	71	38*
2 15	3 55.80	+25 40.4	2.196	2.499	23.1	20.8	96 E	71	37*
2 25	4 6.70	+25 44.8	2.360	2.532	23.0	21.0	88 E	70*	35*
3 7	4 18.99	+25 52.7	2.523	2.564	22.5	21.1	81 E	67*	34*
3 17	4 32.44	+26 2.2	2.685	2.595	21.6	21.3	74 E	62*	32*
3 27	4 46.82	+26 11.4	2.842	2.625	20.5	21.4	67 E	56*	31*
4 6	5 1.92	+26 18.8	2.993	2.655	19.2	21.5	61 E	50*	29*

137184 1999 JG_{63}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	3 36.31	+22 49.1	2.347	3.177	11.1	19.2	142 E	68	41
1 6	3 32.14	+22 39.8	2.501	3.228	13.4	19.4	131 E	68	41
1 16	3 30.54	+22 36.8	2.674	3.278	15.1	19.6	120 E	68	41
1 26	3 31.33	+22 40.6	2.858	3.327	16.1	19.9	110 E	68	41*
2 5	3 34.23	+22 50.7	3.051	3.375	16.7	20.1	101 E	68	40*
2 15	3 38.96	+23 6.1	3.248	3.422	16.8	20.2	92 E	68	38*
2 25	3 45.26	+23 25.9	3.445	3.468	16.5	20.4	83 E	67*	36*
3 7	3 52.87	+23 48.7	3.639	3.512	15.8	20.5	75 E	62*	33*
3 17	4 1.57	+24 13.4	3.827	3.556	14.9	20.6	67 E	56*	30*
3 27	4 11.18	+24 39.0	4.006	3.599	13.8	20.7	59 E	49*	27*
4 6	4 21.52	+25 4.5	4.174	3.641	12.5	20.8	52 E	42*	24*
4 16	4 32.45	+25 29.3	4.330	3.681	11.0	20.8	44 E	35*	21*
4 26	4 43.85	+25 52.6	4.471	3.721	9.4	20.8	37 E	28*	17*
5 6	4 55.60	+26 14.0	4.596	3.760	7.8	20.8	30 E	21*	14*
5 16	5 7.60	+26 32.9	4.704	3.798	6.1	20.8	23 E	15*	10*
5 26	5 19.75	+26 49.3	4.794	3.835	4.4	20.8	17 E	9*	5*
6 5	5 31.95	+27 2.9	4.866	3.871	2.7	20.8	10 E	3*	—
6 15	5 44.14	+27 13.7	4.918	3.906	1.2	20.7	5 E	—	—
6 25	5 56.22	+27 21.8	4.950	3.940	1.5	20.7	6 W	—	—
7 5	6 8.09	+27 27.3	4.963	3.974	3.0	20.9	12 W	4*	1*
7 15	6 19.70	+27 30.5	4.957	4.006	4.6	21.0	19 W	10*	6*
7 25	6 30.92	+27 31.8	4.931	4.037	6.2	21.1	25 W	16*	11*
8 4	6 41.69	+27 31.6	4.886	4.068	7.7	21.1	33 W	23*	15*
8 14	6 51.90	+27 30.5	4.823	4.097	9.1	21.2	40 W	30*	19*
8 24	7 1.43	+27 29.1	4.744	4.126	10.4	21.2	47 W	38*	22*
9 3	7 10.17	+27 28.2	4.650	4.154	11.5	21.2	55 W	45*	25*
9 13	7 18.00	+27 28.6	4.541	4.181	12.4	21.2	63 W	53*	28*
9 23	7 24.75	+27 31.1	4.422	4.207	13.0	21.2	71 W	61*	30*
10 3	7 30.28	+27 36.6	4.294	4.232	13.5	21.2	80 W	67*	32*
10 13	7 34.41	+27 45.8	4.161	4.257	13.6	21.1	89 W	72*	34*
10 23	7 36.98	+27 59.3	4.026	4.280	13.3	21.1	98 W	73	35*
11 2	7 37.81	+28 17.5	3.894	4.303	12.7	21.0	108 W	73	36*
11 12	7 36.75	+28 40.2	3.770	4.325	11.7	20.9	118 W	74	35
11 22	7 33.76	+29 6.6	3.659	4.346	10.2	20.8	129 W	74	35
12 2	7 28.84	+29 35.4	3.567	4.366	8.4	20.6	140 W	75	34
12 12	7 22.18	+30 4.4	3.498	4.386	6.2	20.5	151 W	75	34
12 22	7 14.13	+30 31.1	3.458	4.404	3.9	20.4	162 W	76	33

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		137184 1999 JG_{63}				*(continuation)*			
	h m	° ′			°	m	°	°	°
12 27	7 9.74	+30 42.8	3.449	4.413	2.8	20.3	167 W	76	33
1 1	7 5.21	+30 53.1	3.448	4.422	2.0	20.3	171 W	76	33
1 6	7 0.62	+31 1.8	3.456	4.430	1.9	20.3	171 E	76	33
1 11	6 56.07	+31 8.7	3.471	4.439	2.6	20.3	168 E	76	33
1 16	6 51.64	+31 13.8	3.495	4.447	3.6	20.4	163 E	76	33
1 21	6 47.40	+31 17.1	3.527	4.455	4.7	20.5	158 E	76	33
		351068 2003 TS_{13}							
12 27	3 36.68	+13 43.9	1.005	1.866	20.0	18.2	139 E	59	50
1 6	3 40.59	+13 30.2	1.118	1.907	23.2	18.5	130 E	59	50
1 16	3 47.36	+13 36.1	1.243	1.949	25.4	18.9	122 E	59	50
1 26	3 56.59	+13 56.0	1.379	1.992	26.9	19.2	114 E	59	50
2 5	4 7.83	+14 24.7	1.523	2.036	27.7	19.5	107 E	59	50*
2 15	4 20.69	+14 57.9	1.674	2.081	27.9	19.7	100 E	60	49*
2 25	4 34.87	+15 32.2	1.830	2.126	27.7	20.0	93 E	61	47*
3 7	4 50.07	+16 4.7	1.988	2.172	27.1	20.2	87 E	60*	46*
3 17	5 6.09	+16 33.4	2.148	2.217	26.3	20.4	81 E	58*	44*
3 27	5 22.73	+16 56.7	2.308	2.263	25.2	20.5	75 E	54*	43*
4 6	5 39.82	+17 13.4	2.466	2.308	23.9	20.7	69 E	50*	41*
4 16	5 57.21	+17 22.7	2.622	2.353	22.4	20.8	64 E	44*	40*
4 26	6 14.80	+17 24.2	2.774	2.398	20.9	20.9	58 E	38*	38*
5 6	6 32.45	+17 17.5	2.920	2.443	19.2	21.0	53 E	32*	36*
5 16	6 50.09	+17 2.8	3.060	2.487	17.4	21.1	47 E	26*	34*
5 26	7 7.63	+16 39.9	3.192	2.530	15.5	21.2	42 E	20*	31*
6 5	7 25.01	+16 9.3	3.315	2.573	13.6	21.2	37 E	14*	28*
6 15	7 42.16	+15 31.4	3.429	2.615	11.6	21.3	31 E	8*	24*
6 25	7 59.04	+14 46.4	3.532	2.657	9.7	21.3	26 E	3*	20*
7 5	8 15.60	+13 55.1	3.624	2.698	7.7	21.3	21 E	—	15*
7 15	8 31.82	+12 57.9	3.703	2.738	5.7	21.3	16 E	—	10*
7 25	8 47.66	+11 55.5	3.769	2.777	3.9	21.3	11 E	—	4*
8 4	9 3.09	+10 48.4	3.821	2.816	2.4	21.2	7 E	—	—
8 14	9 18.10	+ 9 37.4	3.859	2.854	2.2	21.3	6 W	—	—
8 24	9 32.66	+ 8 23.1	3.881	2.891	3.5	21.4	10 W	—	4*
		317699 2003 PP_{9}							
12 27	3 36.82	− 7 45.2	1.202	1.973	22.9	20.7	129 E	37	72
1 1	3 35.47	− 6 54.8	1.250	1.982	24.1	20.8	125 E	38	71
1 6	3 35.02	− 6 0.1	1.300	1.991	25.1	20.9	121 E	39	70
1 11	3 35.45	− 5 2.0	1.353	1.999	26.1	21.0	117 E	40	69
1 16	3 36.72	− 4 1.6	1.408	2.007	26.8	21.2	113 E	41	68
1 21	3 38.78	− 2 59.6	1.465	2.015	27.5	21.3	109 E	42	67
1 26	3 41.57	− 1 56.8	1.524	2.022	28.0	21.4	105 E	43	66
1 31	3 45.03	− 0 53.9	1.583	2.030	28.4	21.5	102 E	44	65*
		65717 1993 BX_{3}							
12 27	3 37.85	−33 8.7	0.063	1.008	65.6	17.1	111 E	12	83
12 29	3 49.58	−34 33.1	0.060	1.006	66.3	17.1	110 E	10	81
12 31	4 2.89	−35 56.1	0.058	1.005	66.8	17.0	110 E	9	80
1 2	4 17.95	−37 15.8	0.056	1.004	67.0	16.9	110 E	8	79
1 4	4 34.89	−38 29.8	0.054	1.003	67.0	16.8	110 E	7	78
1 6	4 53.80	−39 34.9	0.052	1.003	66.7	16.8	110 E	5	76
1 8	5 14.69	−40 27.1	0.051	1.003	66.1	16.7	111 E	5	76
1 10	5 37.44	−41 2.3	0.050	1.003	65.2	16.6	112 E	4	75
1 12	6 1.75	−41 16.2	0.049	1.004	63.9	16.5	114 E	4	75
1 14	6 27.16	−41 5.3	0.048	1.005	62.4	16.4	115 E	4	75
1 16	6 53.02	−40 27.4	0.047	1.006	60.5	16.4	117 E	5	76
1 17	7 5.90	−39 58.2	0.047	1.007	59.5	16.3	118 E	5	76
1 18	7 18.63	−39 22.3	0.047	1.008	58.4	16.3	119 E	6	77
1 19	7 31.12	−38 40.1	0.047	1.009	57.2	16.3	120 E	6	77
1 20	7 43.31	−37 51.9	0.048	1.010	56.0	16.2	122 E	7	78
1 21	7 55.12	−36 58.2	0.048	1.011	54.8	16.2	123 E	8	79
1 22	8 6.52	−35 59.6	0.048	1.012	53.5	16.2	124 E	9	80
1 23	8 17.45	−34 56.8	0.049	1.013	52.2	16.2	126 E	10	81
1 24	8 27.88	−33 50.4	0.049	1.015	50.9	16.2	127 W	11	82
1 25	8 37.81	−32 41.0	0.050	1.016	49.5	16.2	128 W	12	83
1 26	8 47.22	−31 29.4	0.051	1.018	48.2	16.2	130 W	14	85
1 28	9 4.50	−29 1.7	0.052	1.021	45.4	16.2	132 W	16	87
1 30	9 19.79	−26 31.5	0.054	1.024	42.7	16.2	135 W	18	89
2 1	9 33.23	−24 2.3	0.057	1.028	40.0	16.2	138 W	21	88
2 3	9 44.98	−21 36.4	0.059	1.032	37.3	16.2	141 W	23	86
2 5	9 55.22	−19 15.6	0.062	1.036	34.6	16.3	143 W	26	83
2 7	10 4.13	−17 0.8	0.065	1.041	32.0	16.3	146 W	28	81
2 9	10 11.87	−14 52.6	0.069	1.046	29.4	16.4	149 W	30	79
2 11	10 18.59	−12 51.4	0.072	1.051	26.9	16.4	151 W	32	77
2 13	10 24.44	−10 57.3	0.076	1.056	24.4	16.5	154 W	34	75
2 15	10 29.54	− 9 10.3	0.080	1.062	21.9	16.5	156 W	36	73
2 20	10 39.64	− 5 12.8	0.092	1.077	16.0	16.6	162 W	40	69
2 25	10 46.94	− 1 55.2	0.105	1.093	10.6	16.8	168 W	43	66
3 2	10 52.32	+ 0 46.8	0.120	1.110	5.8	16.9	173 W	46	63

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		65717 1993 BX_{3}				*(continuation)*			
	h m	° ′			°	m	°	°	°
3 7	10 56.43	+ 2 58.0	0.136	1.128	3.6	17.1	176 E	48	61
3 12	10 59.78	+ 4 42.2	0.154	1.147	6.2	17.5	173 E	50	59
3 17	11 2.83	+ 6 2.3	0.175	1.167	10.1	18.0	168 E	51	58
3 22	11 5.88	+ 7 1.0	0.197	1.187	13.8	18.4	163 E	52	57
3 27	11 9.14	+ 7 40.9	0.222	1.207	17.2	18.8	159 E	53	56
4 1	11 12.69	+ 8 4.9	0.248	1.228	20.4	19.2	155 E	53	56
4 6	11 16.57	+ 8 15.4	0.277	1.249	23.2	19.6	151 E	53	56
4 11	11 20.85	+ 8 14.3	0.308	1.271	25.8	19.9	147 E	53	56
4 16	11 25.57	+ 8 3.2	0.341	1.292	28.0	20.3	143 E	53	56
4 21	11 30.71	+ 7 43.5	0.377	1.313	30.0	20.6	139 E	53	56
4 26	11 36.25	+ 7 16.6	0.414	1.335	31.7	20.9	136 E	52	57
5 1	11 42.15	+ 6 43.8	0.453	1.356	33.2	21.1	133 E	52	57
5 6	11 48.37	+ 6 6.0	0.494	1.376	34.5	21.4	129 E	51	58
		408980 2002 RB_{126}							
12 27	3 38.30	+48 11.7	0.985	1.844	20.5	20.9	139 E	87	16
1 1	3 23.61	+47 2.7	0.985	1.806	23.4	21.0	133 E	88	17
1 6	3 11.14	+45 44.4	0.989	1.767	26.3	21.0	127 E	89	18
1 11	3 1.04	+44 21.3	0.998	1.727	29.1	21.1	121 E	89	20
1 16	2 53.26	+42 57.6	1.011	1.685	31.9	21.1	115 E	88	21*
1 21	2 47.67	+41 36.6	1.025	1.641	34.4	21.2	110 E	87	22*
1 26	2 44.07	+40 20.4	1.040	1.596	36.8	21.2	104 E	85	22*
1 31	2 42.23	+39 10.3	1.056	1.549	38.9	21.2	99 E	84	22*
2 5	2 41.96	+38 6.8	1.071	1.501	41.0	21.2	94 E	83*	22*
2 10	2 43.08	+37 10.0	1.084	1.451	42.9	21.2	89 E	81*	22*
2 15	2 45.44	+36 19.8	1.094	1.399	44.6	21.2	84 E	77*	21*
2 20	2 48.89	+35 35.5	1.102	1.345	46.4	21.2	80 E	73*	21*
2 25	2 53.29	+34 56.3	1.105	1.288	48.1	21.2	76 E	69*	20*
3 2	2 58.53	+34 21.2	1.104	1.230	49.9	21.1	72 E	65*	19*
3 7	3 4.52	+33 48.9	1.099	1.170	51.8	21.1	68 E	61*	19*
3 12	3 11.16	+33 18.3	1.088	1.107	53.8	21.0	64 E	58*	18*
3 17	3 18.33	+32 47.9	1.070	1.042	56.2	20.9	60 E	54*	18*
3 22	3 25.90	+32 15.7	1.047	0.975	58.9	20.8	57 E	51*	17*
3 27	3 33.66	+31 39.4	1.016	0.906	62.3	20.6	53 E	47*	16*
4 1	3 41.34	+30 55.8	0.977	0.834	66.4	20.5	50 E	43*	16*
4 6	3 48.48	+30 0.6	0.930	0.760	71.8	20.4	46 E	39*	15*
4 8	3 51.05	+29 34.0	0.909	0.730	74.4	20.3	45 E	38*	15*
4 10	3 53.36	+29 4.0	0.887	0.701	77.3	20.3	43 E	36*	15*
4 12	3 55.33	+28 30.0	0.864	0.670	80.5	20.2	41 E	34*	15*
4 14	3 56.86	+27 51.3	0.839	0.640	84.2	20.2	39 E	32*	14*
4 16	3 57.85	+27 7.0	0.813	0.611	88.4	20.2	37 E	30*	14*
4 18	3 58.13	+26 16.0	0.787	0.581	93.2	20.2	35 E	28*	14*
4 20	3 57.54	+25 17.1	0.760	0.553	98.7	20.3	33 E	25*	13*
4 22	3 55.88	+24 8.9	0.732	0.525	105.0	20.4	30 E	22*	12*
4 24	3 52.93	+22 49.8	0.706	0.498	112.2	20.6	27 E	19*	11*
4 26	3 48.48	+21 18.7	0.680	0.473	120.4	21.0	24 E	15*	10*
		100908 1998 KH_{17}							
12 27	3 38.75	+ 4 6.2	2.006	2.797	14.2	20.6	136 E	49	60
1 6	3 35.14	+ 3 55.8	2.147	2.832	16.4	20.8	125 E	49	60
1 16	3 34.15	+ 4 1.7	2.302	2.866	18.0	21.0	115 E	49	60
1 26	3 35.59	+ 4 20.2	2.467	2.899	19.0	21.2	106 E	49	60*
2 5	3 39.17	+ 4 47.9	2.637	2.931	19.5	21.4	97 E	50	58*
		162438 2000 GF_{3}							
12 27	3 38.83	+28 4.8	1.441	2.302	15.0	20.0	143 E	73	36
1 6	3 35.53	+27 38.2	1.557	2.333	18.2	20.3	132 E	73	36
1 16	3 35.91	+27 20.0	1.688	2.362	20.7	20.6	122 E	72	37
1 26	3 39.58	+27 11.3	1.831	2.391	22.3	20.9	113 E	72	37*
2 5	3 46.03	+27 11.1	1.981	2.419	23.3	21.1	104 E	72	36*
2 15	3 54.82	+27 17.8	2.136	2.445	23.7	21.3	96 E	72	35*
2 25	4 5.56	+27 29.5	2.293	2.471	23.6	21.5	88 E	72*	34*
		220091 2002 ST_{33}							
12 27	3 40.22	+14 41.5	1.719	2.556	14.1	20.9	141 E	60	49
1 6	3 37.20	+14 31.6	1.843	2.585	17.0	21.2	130 E	60	49
1 16	3 37.11	+14 34.4	1.982	2.612	19.1	21.4	120 E	60	49
1 26	3 39.72	+14 48.0	2.133	2.638	20.5	21.7	110 E	60	49*
2 5	3 44.70	+15 10.1	2.290	2.664	21.3	21.9	101 E	60	48*
		100922 1998 KR_{61}							
12 27	3 41.25	+ 4 53.7	2.144	2.939	13.2	20.2	137 E	50	59
1 6	3 36.67	+ 5 32.4	2.248	2.940	15.6	20.4	126 E	51	58
1 16	3 34.61	+ 6 21.3	2.368	2.941	17.4	20.5	116 E	51	58
1 26	3 35.04	+ 7 17.9	2.499	2.941	18.7	20.7	107 E	52	57*
2 5	3 37.77	+ 8 19.6	2.637	2.939	19.4	20.8	98 E	53	55*
2 15	3 42.58	+ 9 24.4	2.777	2.937	19.7	20.9	89 E	54	51*
2 25	3 49.23	+10 30.4	2.916	2.934	19.5	21.0	81 E	54*	48*
3 7	3 57.46	+11 36.0	3.052	2.929	19.0	21.1	74 E	52*	44*
3 17	4 7.09	+12 40.0	3.182	2.924	18.1	21.2	66 E	48*	40*
3 27	4 17.92	+13 41.1	3.303	2.918	17.1	21.2	59 E	42*	37*

100922 1998 KR_{61} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 6	4 29.78	+14 38.5	3.414	2.911	15.8	21.2	52 E	37*	33*
4 16	4 42.54	+15 31.5	3.514	2.903	14.3	21.3	46 E	30*	29*
4 26	4 56.06	+16 19.1	3.602	2.894	12.7	21.2	39 E	24*	26*
5 6	5 10.24	+17 0.9	3.676	2.884	11.0	21.2	33 E	17*	22*
5 16	5 24.98	+17 36.5	3.736	2.873	9.2	21.2	27 E	11*	18*
5 26	5 40.19	+18 5.4	3.782	2.861	7.4	21.1	21 E	5*	14*
6 5	5 55.78	+18 27.3	3.813	2.849	5.5	21.0	16 E	—	9*
6 15	6 11.68	+18 42.1	3.830	2.835	3.6	20.9	10 E	—	4*
6 25	6 27.80	+18 49.7	3.831	2.820	2.0	20.8	5 E	—	—
7 5	6 44.08	+18 50.1	3.817	2.805	1.8	20.8	5 W	—	—
7 15	7 0.46	+18 43.4	3.788	2.788	3.3	20.8	9 W	—	3*
7 25	7 16.85	+18 29.9	3.744	2.771	5.2	20.9	14 W	2*	7*
8 4	7 33.21	+18 9.8	3.686	2.753	7.1	21.0	20 W	8*	11*
8 14	7 49.47	+17 43.7	3.615	2.734	9.1	21.0	25 W	14*	14*
8 24	8 5.56	+17 12.1	3.530	2.714	11.1	21.0	31 W	20*	18*
9 3	8 21.43	+16 35.6	3.432	2.693	13.0	21.0	37 W	26*	21*
9 13	8 37.02	+15 55.0	3.322	2.671	14.8	21.0	43 W	32*	24*
9 23	8 52.24	+15 11.5	3.201	2.648	16.5	20.9	49 W	37*	26*
10 3	9 7.05	+14 26.0	3.070	2.625	18.2	20.9	55 W	43*	29*
10 13	9 21.34	+13 39.9	2.930	2.600	19.6	20.8	61 W	48*	32*
10 23	9 35.02	+12 54.8	2.783	2.575	20.9	20.7	68 W	52*	36*
11 2	9 47.98	+12 12.4	2.630	2.549	22.0	20.6	74 W	55*	39*
11 12	10 0.07	+11 34.9	2.472	2.522	22.8	20.5	81 W	56*	43*
11 22	10 11.10	+11 4.6	2.311	2.495	23.3	20.3	89 W	56	47*
12 2	10 20.87	+10 44.3	2.151	2.467	23.4	20.1	97 W	56	50*
12 12	10 29.09	+10 37.3	1.993	2.438	23.0	19.9	105 W	56	53*
12 22	10 35.46	+10 47.0	1.840	2.409	22.0	19.7	114 W	56	53
1 1	10 39.62	+11 16.9	1.695	2.378	20.3	19.4	123 W	56	53
1 11	10 41.17	+12 10.2	1.563	2.348	17.8	19.2	133 W	57	52
1 21	10 39.84	+13 28.1	1.448	2.317	14.5	18.8	144 W	58	51

201456 2003 FX_{79}

12 27	3 41.57	+16 27.8	2.122	2.956	12.0	21.0	141 E	61	48
1 6	3 37.56	+16 27.2	2.256	2.989	14.5	21.3	130 E	61	48
1 16	3 36.16	+16 35.2	2.408	3.021	16.4	21.5	120 E	62	47
1 26	3 37.23	+16 51.2	2.571	3.052	17.6	21.7	110 E	62	47*
2 5	3 40.51	+17 13.6	2.742	3.082	18.3	21.9	101 E	62	46*

331991 2005 FD_3

12 27	3 41.86	−23 1.8	2.330	2.938	17.0	21.3	119 E	22	87
1 1	3 38.66	−21 51.5	2.369	2.937	17.5	21.3	116 E	23	86
1 6	3 36.13	−20 37.2	2.411	2.935	18.0	21.4	113 E	24	85
1 11	3 34.26	−19 19.8	2.458	2.933	18.4	21.4	109 E	26	83
1 16	3 33.05	−18 0.1	2.507	2.931	18.8	21.5	106 E	27	82

311154 2004 TF_3

12 27	3 44.35	+31 23.8	1.396	2.266	14.8	20.8	144 E	76	33
1 1	3 42.32	+30 45.2	1.451	2.283	16.5	21.0	139 E	76	33
1 6	3 41.27	+30 9.5	1.510	2.300	18.1	21.1	134 E	75	34
1 11	3 41.17	+29 37.2	1.573	2.317	19.4	21.3	128 E	75	34
1 16	3 41.96	+29 8.6	1.640	2.334	20.5	21.4	124 E	74	35

16591 1992 SY_{17}

12 27	3 44.83	+16 57.7	1.608	2.461	14.1	18.1	142 E	62	47
1 6	3 41.80	+16 28.2	1.727	2.489	17.3	18.4	131 E	61	48
1 16	3 41.84	+16 13.5	1.863	2.516	19.6	18.6	121 E	61	48
1 26	3 44.70	+16 11.7	2.010	2.543	21.1	18.9	112 E	61	48
2 5	3 50.00	+16 20.3	2.165	2.569	22.0	19.1	103 E	61	47*
2 15	3 57.40	+16 36.4	2.324	2.594	22.3	19.3	94 E	62	46*
2 25	4 6.57	+16 57.5	2.484	2.619	22.2	19.4	87 E	62*	44*
3 7	4 17.19	+17 21.2	2.642	2.642	21.6	19.6	79 E	59*	41*
3 17	4 29.04	+17 45.5	2.797	2.665	20.8	19.7	72 E	55*	39*
3 27	4 41.90	+18 8.6	2.947	2.687	19.7	19.8	65 E	50*	37*
4 6	4 55.57	+18 29.2	3.089	2.707	18.4	19.9	59 E	44*	34*
4 16	5 9.92	+18 46.0	3.223	2.727	16.9	19.9	52 E	37*	32*
4 26	5 24.80	+18 58.1	3.347	2.747	15.3	20.0	46 E	31*	29*
5 6	5 40.08	+19 4.8	3.459	2.765	13.6	20.0	40 E	24*	26*
5 16	5 55.68	+19 5.4	3.560	2.782	11.8	20.0	34 E	18*	23*
5 26	6 11.48	+18 59.6	3.648	2.798	9.9	20.0	28 E	11*	19*
6 5	6 27.39	+18 47.2	3.723	2.814	8.0	20.0	23 E	6*	15*
6 15	6 43.35	+18 28.0	3.784	2.828	6.1	19.9	17 E	1*	11*
6 25	6 59.26	+18 2.0	3.830	2.842	4.2	19.9	12 E	—	6*
7 5	7 15.07	+17 29.4	3.861	2.855	2.5	19.8	7 E	—	—
7 15	7 30.72	+16 50.3	3.878	2.866	1.8	19.7	5 W	—	—
7 25	7 46.13	+16 5.0	3.879	2.877	2.9	19.8	8 W	—	2*
8 4	8 1.26	+15 13.8	3.865	2.887	4.6	19.9	13 W	1*	7*
8 14	8 16.05	+14 17.3	3.835	2.896	6.5	20.0	19 W	7*	11*
8 24	8 30.44	+13 15.9	3.791	2.904	8.4	20.1	25 W	13*	15*
9 3	8 44.37	+12 10.2	3.732	2.910	10.2	20.1	31 W	19*	19*
9 13	8 57.78	+11 0.9	3.659	2.916	11.9	20.2	37 W	25*	22*
9 23	9 10.60	+ 9 48.6	3.572	2.921	13.6	20.2	43 W	30*	26*
10 3	9 22.75	+ 8 34.1	3.472	2.925	15.1	20.2	50 W	36*	30*

16591 1992 SY_{17} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
10 13	9 34.13	+ 7 18.4	3.360	2.928	16.5	20.1	56 W	41*	34*
10 23	9 44.62	+ 6 2.4	3.238	2.931	17.7	20.1	63 W	45*	39*
11 2	9 54.10	+ 4 47.2	3.107	2.932	18.6	20.1	71 W	48*	44*
11 12	10 2.38	+ 3 34.1	2.969	2.932	19.3	20.0	78 W	48*	49*
11 22	10 9.29	+ 2 24.7	2.826	2.931	19.6	19.9	86 W	47	54*
12 2	10 14.60	+ 1 20.6	2.681	2.929	19.6	19.8	95 W	46	59*
12 12	10 18.06	+ 0 23.8	2.537	2.927	19.1	19.6	103 W	45	63*
12 22	10 19.44	− 0 23.3	2.397	2.923	18.1	19.5	113 W	45	64
1 1	10 18.53	− 0 58.2	2.267	2.918	16.5	19.3	123 W	44	65
1 11	10 15.19	− 1 18.3	2.150	2.913	14.3	19.1	133 W	44	65
1 21	10 9.48	− 1 21.3	2.052	2.906	11.5	18.9	144 W	44	65

469478 2002 TU_2

12 27	3 46.38	+26 41.8	1.520	2.389	13.9	21.4	144 E	72	37
1 6	3 42.91	+26 14.9	1.635	2.420	17.1	21.7	134 E	71	38
1 16	3 42.88	+25 56.5	1.767	2.450	19.6	22.0	123 E	71	38
1 26	3 46.00	+25 47.4	1.911	2.480	21.3	22.2	114 E	71	38
2 5	3 51.83	+25 46.7	2.064	2.509	22.3	22.4	105 E	71	38*

55760 1992 BL_1

12 27	3 46.65	−23 1.5	0.820	1.564	33.0	15.2	120 E	22	87
1 1	3 48.23	−20 31.4	0.838	1.568	33.4	15.3	119 E	24	85
1 6	3 50.72	−17 54.2	0.859	1.573	33.8	15.4	117 E	27	82
1 11	3 54.09	−15 12.4	0.882	1.579	34.2	15.4	116 E	30	79
1 16	3 58.32	−12 28.2	0.909	1.586	34.6	15.5	114 E	33	76
1 21	4 3.36	− 9 43.9	0.939	1.594	34.9	15.6	112 E	35	74
1 26	4 9.16	− 7 1.5	0.972	1.603	35.2	15.7	110 E	38	71
1 31	4 15.65	− 4 22.6	1.008	1.613	35.5	15.8	108 E	41	68
2 5	4 22.77	− 1 48.7	1.047	1.623	35.7	15.9	106 E	43	66
2 10	4 30.48	+ 0 39.2	1.089	1.635	35.9	16.0	104 E	46	63*
2 15	4 38.75	+ 3 0.2	1.134	1.647	36.0	16.1	102 E	48	61*
2 25	4 56.71	+ 7 18.8	1.232	1.674	35.9	16.3	97 E	52	56*
3 7	5 16.28	+11 3.9	1.339	1.703	35.6	16.5	93 E	56*	52*
3 17	5 37.15	+14 14.9	1.454	1.734	35.0	16.8	88 E	58*	49*
3 27	5 59.02	+16 52.4	1.576	1.768	34.1	16.9	84 E	58*	46*
4 6	6 21.59	+18 58.0	1.703	1.803	33.0	17.1	79 E	57*	43*
4 11	6 33.07	+19 49.5	1.768	1.822	32.4	17.2	77 E	56*	42*
4 16	6 44.64	+20 33.9	1.833	1.840	31.7	17.3	75 E	54*	41*
4 21	6 56.26	+21 11.4	1.900	1.859	31.0	17.4	72 E	52*	40*
4 26	7 7.92	+21 42.5	1.966	1.878	30.2	17.4	70 E	50*	40*
5 1	7 19.58	+22 7.3	2.033	1.898	29.4	17.5	68 E	48*	39*
5 6	7 31.23	+22 26.3	2.100	1.917	28.6	17.6	66 E	46*	38*
5 11	7 42.84	+22 39.7	2.167	1.937	27.8	17.7	63 E	43*	38*
5 16	7 54.41	+22 48.0	2.233	1.957	26.9	17.7	61 E	41*	37*
5 26	8 17.31	+22 50.0	2.365	1.997	25.1	17.8	57 E	36*	36*
6 5	8 39.83	+22 35.0	2.493	2.038	23.2	17.9	52 E	31*	34*
6 15	9 1.90	+22 5.1	2.619	2.079	21.3	18.0	48 E	26*	32*
6 25	9 23.48	+21 22.7	2.739	2.120	19.3	18.1	43 E	22*	30*
7 5	9 44.54	+20 29.7	2.853	2.161	17.3	18.2	39 E	19*	27*
7 15	10 5.08	+19 28.0	2.960	2.201	15.2	18.2	35 E	16*	24*
7 25	10 25.12	+18 19.5	3.060	2.242	13.2	18.3	30 E	14*	21*
8 4	10 44.67	+17 5.8	3.151	2.281	11.2	18.3	26 E	12*	17*
8 14	11 3.78	+15 48.3	3.232	2.321	9.3	18.3	22 E	10*	12*
8 24	11 22.46	+14 28.5	3.303	2.360	7.5	18.3	18 E	8*	8*
9 3	11 40.76	+13 7.9	3.364	2.398	5.9	18.3	14 E	7*	3*
9 13	11 58.69	+11 47.5	3.413	2.436	4.8	18.3	12 E	6*	—
9 23	12 16.29	+10 28.7	3.450	2.473	4.5	18.4	11 E	4*	—
10 3	12 33.56	+ 9 12.7	3.474	2.509	5.2	18.4	13 W	4*	—
10 13	12 50.53	+ 8 0.5	3.485	2.545	6.4	18.5	17 W	9*	—
10 23	13 7.17	+ 6 53.5	3.483	2.579	8.0	18.6	21 W	14*	—
11 2	13 23.48	+ 5 52.6	3.468	2.613	9.6	18.7	26 W	20*	—
11 12	13 39.44	+ 4 59.0	3.439	2.646	11.3	18.8	31 W	25*	3*
11 22	13 54.97	+ 4 13.8	3.398	2.678	12.9	18.9	37 W	31*	8*
12 2	14 10.04	+ 3 38.1	3.344	2.709	14.4	18.9	43 W	36*	13*
12 12	14 24.55	+ 3 12.9	3.278	2.740	15.8	18.9	49 W	40*	19*
12 22	14 38.39	+ 2 59.2	3.201	2.769	17.1	18.9	56 W	43*	26*
1 1	14 51.44	+ 2 57.8	3.114	2.798	18.2	18.9	62 W	46*	33*
1 11	15 3.54	+ 3 9.7	3.018	2.825	19.0	18.9	69 W	47*	40*
1 21	15 14.50	+ 3 35.4	2.917	2.851	19.6	18.9	76 W	48*	46*

308195 2005 EW_{12}

12 27	3 47.33	+29 47.2	0.462	1.386	24.2	17.5	145 E	75	34
1 6	3 58.36	+30 7.1	0.491	1.384	28.8	17.7	137 E	75	34
1 16	4 14.66	+30 21.2	0.530	1.390	32.4	18.0	131 E	75	34
1 26	4 35.40	+30 27.6	0.580	1.402	35.0	18.3	125 E	75	34
1 31	4 47.08	+30 27.0	0.608	1.410	36.0	18.4	123 E	75	34
2 5	4 59.42	+30 23.3	0.638	1.420	36.8	18.6	120 E	75	34
2 10	5 12.29	+30 16.1	0.671	1.432	37.4	18.7	118 E	75	34
2 15	5 25.59	+30 5.3	0.706	1.445	37.9	18.9	116 E	75	34

308195 2005 EW_{12} *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
2 20	5 39.19	+29 50.7	0.744	1.459	38.2	19.0	114 E	75	34
2 25	5 52.99	+29 32.2	0.783	1.475	38.5	19.2	112 E	75	34
3 2	6 6.87	+29 9.8	0.826	1.492	38.6	19.3	110 E	74	35
3 7	6 20.76	+28 43.6	0.870	1.510	38.6	19.4	108 E	74	35
3 12	6 34.60	+28 13.7	0.917	1.529	38.6	19.6	106 E	73	36
3 17	6 48.34	+27 40.2	0.966	1.549	38.5	19.7	104 E	73	36
3 22	7 1.93	+27 3.4	1.018	1.570	38.3	19.9	102 E	72	37
3 27	7 15.33	+26 23.4	1.072	1.592	38.0	20.0	101 E	71	38
4 1	7 28.52	+25 40.6	1.127	1.615	37.7	20.1	99 E	71*	38
4 6	7 41.46	+24 55.2	1.185	1.639	37.3	20.2	97 E	70*	39
4 11	7 54.16	+24 7.3	1.245	1.663	36.9	20.4	95 E	68*	40
4 16	8 6.62	+23 17.3	1.306	1.687	36.4	20.5	93 E	66*	41
4 21	8 18.82	+22 25.3	1.370	1.713	35.9	20.6	91 E	64*	42
4 26	8 30.77	+21 31.5	1.435	1.738	35.4	20.7	89 E	62*	42
5 1	8 42.46	+20 36.2	1.501	1.764	34.8	20.9	87 E	59*	43
5 6	8 53.91	+19 39.6	1.569	1.790	34.1	21.0	85 E	57*	44
5 11	9 5.12	+18 41.8	1.639	1.817	33.5	21.1	83 E	54*	45
5 16	9 16.10	+17 43.0	1.709	1.844	32.8	21.2	81 E	51*	46*
5 21	9 26.86	+16 43.2	1.781	1.871	32.1	21.3	79 E	48*	47*
5 26	9 37.42	+15 42.8	1.853	1.898	31.3	21.4	77 E	45*	48*
5 31	9 47.77	+14 41.8	1.926	1.925	30.5	21.5	75 E	42*	49*

373579 2002 AW_{11}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	3 47.92	+ 7 47.9	0.506	1.407	26.9	19.2	140 E	53	56
1 1	3 37.93	+10 0.9	0.508	1.383	31.1	19.3	133 E	55	54
1 6	3 29.47	+12 19.5	0.515	1.358	35.2	19.4	127 E	57	52
1 11	3 22.72	+14 41.2	0.524	1.333	39.0	19.5	121 E	60	49
1 16	3 17.76	+17 4.3	0.535	1.308	42.6	19.6	116 E	62	47
1 21	3 14.60	+19 27.6	0.548	1.283	45.9	19.7	111 E	64	44*
1 26	3 13.16	+21 50.5	0.561	1.258	48.8	19.8	106 E	67	42*
2 5	3 15.09	+26 33.6	0.586	1.209	54.0	19.9	97 E	72	36*
2 15	3 22.90	+31 13.0	0.607	1.161	58.3	20.0	90 E	76*	29*
2 25	3 36.11	+35 49.2	0.622	1.115	62.0	20.1	84 E	76*	24*
3 7	3 54.52	+40 21.2	0.629	1.073	65.4	20.2	79 E	73*	19*
3 12	4 5.76	+42 34.7	0.629	1.054	67.0	20.2	77 E	71*	16*
3 17	4 18.47	+44 46.0	0.627	1.036	68.5	20.2	76 E	70*	14*
3 22	4 32.76	+46 54.2	0.622	1.020	70.0	20.2	74 E	68*	12*
3 27	4 48.78	+48 58.2	0.615	1.006	71.4	20.2	73 E	66*	11*
4 1	5 6.72	+50 56.4	0.605	0.994	72.8	20.1	72 E	65*	9*
4 6	5 26.80	+52 46.7	0.594	0.984	74.1	20.1	71 E	64*	8*
4 11	5 49.30	+54 26.7	0.580	0.977	75.4	20.1	71 E	63*	7*
4 16	6 14.47	+55 53.0	0.564	0.972	76.5	20.1	70 E	63*	6*
4 21	6 42.48	+57 1.7	0.547	0.969	77.5	20.0	70 E	63*	5*
4 26	7 13.30	+57 47.5	0.528	0.969	78.4	20.0	71 E	64*	5*
4 28	7 26.38	+57 58.1	0.521	0.970	78.7	20.0	71 E	64*	5*
4 30	7 39.84	+58 3.8	0.513	0.971	78.9	19.9	71 E	64*	5*
5 2	7 53.65	+58 4.0	0.505	0.973	79.1	19.9	71 E	65*	6*
5 4	8 7.76	+57 58.3	0.497	0.975	79.3	19.9	72 E	65*	6*
5 6	8 22.11	+57 46.4	0.489	0.977	79.4	19.9	72 E	66*	6*
5 8	8 36.65	+57 27.8	0.481	0.980	79.4	19.8	73 E	66*	6*
5 10	8 51.30	+57 2.2	0.473	0.983	79.4	19.8	73 E	67*	7*
5 12	9 5.99	+56 29.2	0.465	0.987	79.4	19.8	74 E	68*	8*
5 14	9 20.65	+55 48.6	0.457	0.991	79.2	19.7	74 E	68*	8
5 16	9 35.20	+55 0.0	0.449	0.995	79.1	19.7	75 E	69*	9
5 18	9 49.57	+54 3.2	0.441	1.000	78.8	19.7	76 E	70*	10
5 20	10 3.71	+52 58.1	0.434	1.005	78.5	19.6	77 E	71*	11
5 22	10 17.55	+51 44.6	0.426	1.010	78.1	19.6	78 E	71*	12
5 24	10 31.05	+50 22.6	0.420	1.016	77.6	19.6	79 E	72*	14
5 26	10 44.18	+48 52.2	0.413	1.022	77.1	19.5	80 E	73*	15
5 31	11 15.22	+44 29.8	0.399	1.038	75.4	19.4	82 E	74*	20
6 5	11 43.64	+39 18.7	0.388	1.056	73.2	19.3	85 E	73*	25
6 10	12 9.55	+33 25.9	0.381	1.075	70.7	19.2	89 E	70*	31
6 15	12 33.21	+27 2.5	0.380	1.096	67.9	19.2	92 E	65*	37
6 17	12 42.12	+24 23.8	0.381	1.105	66.7	19.2	93 E	63*	40
6 19	12 50.73	+21 43.4	0.383	1.113	65.5	19.2	94 E	61*	42
6 21	12 59.07	+19 2.5	0.386	1.122	64.3	19.2	96 E	59*	45
6 23	13 7.15	+16 21.9	0.390	1.131	63.2	19.2	97 E	56*	48
6 25	13 15.01	+13 42.8	0.395	1.140	62.0	19.2	98 E	54*	50
6 27	13 22.64	+11 5.9	0.401	1.149	60.9	19.2	99 E	51*	53
6 29	13 30.07	+ 8 32.1	0.408	1.159	59.8	19.2	100 E	49*	55
7 1	13 37.33	+ 6 1.9	0.416	1.168	58.7	19.2	101 E	47*	58
7 3	13 44.41	+ 3 36.1	0.425	1.178	57.8	19.3	102 E	44*	60
7 5	13 51.35	+ 1 15.1	0.435	1.188	56.8	19.3	102 E	42*	63
7 10	14 8.14	− 4 14.5	0.464	1.212	54.7	19.4	104 E	37*	68
7 15	14 24.28	− 9 9.3	0.497	1.237	52.8	19.6	104 E	32*	73
7 20	14 39.91	−13 29.4	0.535	1.262	51.2	19.7	105 E	28*	77
7 25	14 55.16	−17 16.5	0.576	1.287	49.9	19.9	104 E	25*	81
7 30	15 10.11	−20 33.5	0.621	1.312	48.7	20.1	104 E	22*	85

373579 2002 AW_{11} *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
8 4	15 24.85	−23 23.7	0.669	1.336	47.7	20.3	103 E	19*	87
8 9	15 39.45	−25 50.2	0.719	1.361	46.7	20.4	102 E	17*	90
8 14	15 53.96	−27 55.9	0.772	1.386	45.9	20.6	101 E	15*	88
8 19	16 8.40	−29 43.4	0.827	1.410	45.0	20.8	100 E	13*	86
8 24	16 22.78	−31 14.7	0.883	1.434	44.2	20.9	98 E	12*	85
8 29	16 37.12	−32 31.6	0.941	1.458	43.5	21.1	97 E	11*	83*
9 3	16 51.42	−33 35.8	1.000	1.481	42.7	21.2	95 E	10*	82*
9 8	17 5.69	−34 28.6	1.061	1.504	42.0	21.4	93 E	9*	81*
9 13	17 19.94	−35 11.1	1.122	1.526	41.2	21.5	91 E	9*	80*

207408 2006 BY_{172}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	3 48.12	+23 8.7	1.621	2.488	13.3	21.1	144 E	68	41
1 6	3 43.74	+22 32.9	1.727	2.504	16.6	21.4	133 E	68	41
1 16	3 42.67	+22 8.2	1.849	2.520	19.2	21.6	123 E	67	42
1 26	3 44.70	+21 54.9	1.984	2.535	21.0	21.8	113 E	67	42
2 5	3 49.45	+21 52.0	2.127	2.549	22.1	22.0	104 E	67	42*

280366 2003 TE

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	3 49.22	+26 14.7	1.481	2.355	13.9	19.3	145 E	71	38
1 6	3 42.76	+27 23.4	1.614	2.400	17.2	19.7	134 E	72	37
1 16	3 40.24	+28 24.7	1.764	2.445	19.7	20.0	123 E	73	36
1 26	3 41.33	+29 21.6	1.927	2.489	21.3	20.2	114 E	74	35
2 5	3 45.53	+30 16.0	2.098	2.533	22.1	20.5	105 E	75	33*
2 15	3 52.35	+31 8.6	2.274	2.576	22.4	20.7	96 E	76	31*
2 25	4 1.38	+31 59.6	2.452	2.618	22.2	20.9	88 E	76*	29*
3 7	4 12.21	+32 48.7	2.629	2.660	21.6	21.1	81 E	72*	27*
3 17	4 24.56	+33 35.2	2.802	2.701	20.7	21.2	74 E	66*	25*
3 27	4 38.16	+34 18.6	2.971	2.741	19.6	21.3	67 E	60*	23*
4 6	4 52.79	+34 58.2	3.132	2.781	18.3	21.4	61 E	53*	20*

348304 2005 AN_{19}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	3 49.93	−33 52.4	1.249	1.858	29.4	21.0	112 E	11	82
1 1	3 44.94	−31 43.1	1.248	1.836	30.2	21.0	110 E	13	84
1 6	3 41.07	−29 21.2	1.249	1.815	31.0	21.0	108 E	16	87
1 11	3 38.35	−26 48.9	1.254	1.793	31.8	21.0	106 E	18	89
1 16	3 36.78	−24 8.2	1.262	1.771	32.7	21.0	103 E	21	88
1 21	3 36.33	−21 21.2	1.272	1.749	33.5	21.0	101 E	24	85
1 26	3 36.94	−18 29.9	1.285	1.727	34.3	21.1	98 E	27	82*
1 31	3 38.55	−15 35.8	1.300	1.705	35.1	21.1	96 E	29	79*
2 5	3 41.09	−12 40.5	1.317	1.683	35.8	21.1	93 E	32	74*
2 10	3 44.52	− 9 45.2	1.336	1.661	36.4	21.1	90 E	35	70*
2 15	3 48.78	− 6 51.1	1.357	1.639	37.0	21.1	87 E	38	66*
2 20	3 53.83	− 3 58.9	1.379	1.618	37.5	21.2	84 E	41*	63*
2 25	3 59.61	− 1 9.7	1.402	1.596	37.9	21.2	82 E	43*	59*
3 2	4 6.08	+ 1 36.1	1.427	1.575	38.2	21.2	79 E	45*	55*
3 7	4 13.22	+ 4 17.9	1.452	1.554	38.4	21.2	76 E	47*	52*
3 12	4 20.99	+ 6 55.3	1.477	1.533	38.5	21.2	74 E	47*	49*
3 17	4 29.40	+ 9 28.1	1.503	1.513	38.5	21.2	71 E	48*	46*
3 22	4 38.41	+11 55.8	1.529	1.493	38.5	21.2	69 E	48*	43*
3 27	4 48.02	+14 18.3	1.555	1.473	38.4	21.2	66 E	48*	41*
4 1	4 58.22	+16 35.2	1.580	1.455	38.2	21.2	64 E	47*	38*
4 6	5 9.00	+18 46.5	1.605	1.436	37.9	21.2	62 E	46*	36*
4 11	5 20.38	+20 51.8	1.630	1.419	37.6	21.2	60 E	45*	34*
4 16	5 32.36	+22 51.0	1.653	1.402	37.2	21.2	58 E	44*	32*
4 21	5 44.94	+24 43.8	1.675	1.386	36.8	21.2	56 E	43*	30*
4 26	5 58.12	+26 30.0	1.696	1.371	36.4	21.2	54 E	41*	28*
5 1	6 11.92	+28 9.2	1.716	1.357	35.9	21.2	52 E	40*	26*
5 6	6 26.33	+29 41.1	1.735	1.344	35.5	21.2	51 E	39*	25*
5 11	6 41.37	+31 5.4	1.752	1.333	35.0	21.2	49 E	38*	24*
5 16	6 57.03	+32 21.7	1.768	1.322	34.5	21.2	48 E	37*	22*
5 21	7 13.29	+33 29.5	1.782	1.313	34.1	21.2	47 E	36*	21*
5 26	7 30.14	+34 28.4	1.795	1.305	33.7	21.2	46 E	35*	20*
5 31	7 47.55	+35 17.9	1.806	1.298	33.3	21.1	45 E	34*	19*
6 5	8 5.48	+35 57.6	1.817	1.293	32.9	21.1	44 E	33*	19*
6 10	8 23.89	+36 27.0	1.826	1.289	32.6	21.1	43 E	33*	18*
6 15	8 42.71	+36 45.7	1.833	1.287	32.4	21.1	43 E	32*	18*
6 20	9 1.88	+36 53.3	1.840	1.286	32.1	21.1	42 E	32*	18*
6 25	9 21.30	+36 49.7	1.847	1.287	32.0	21.1	42 E	32*	17*
6 30	9 40.88	+36 34.5	1.852	1.289	31.8	21.1	42 E	32*	17*
7 5	10 0.55	+36 7.8	1.858	1.293	31.7	21.1	42 E	31*	18*
7 10	10 20.20	+35 29.6	1.863	1.298	31.5	21.2	42 E	31*	18*
7 15	10 39.77	+34 40.3	1.869	1.304	31.4	21.2	42 E	32*	18*
7 20	10 59.15	+33 40.1	1.875	1.312	31.3	21.2	42 E	32*	19*
7 25	11 18.28	+32 29.8	1.882	1.322	31.2	21.2	42 E	32*	19*
7 30	11 37.10	+31 9.9	1.891	1.332	31.0	21.2	43 E	32*	20*
8 4	11 55.57	+29 41.2	1.900	1.344	30.8	21.3	43 E	32*	21*
8 9	12 13.66	+28 4.7	1.912	1.357	30.5	21.3	43 E	32*	21*
8 14	12 31.36	+26 21.5	1.925	1.371	30.3	21.3	43 E	32*	22*
8 19	12 48.64	+24 32.5	1.941	1.386	29.9	21.3	43 E	32*	22*
8 24	13 5.50	+22 39.0	1.959	1.401	29.5	21.4	43 E	32*	23*
8 29	13 21.96	+20 42.0	1.979	1.418	29.0	21.4	43 E	32*	23*
9 3	13 38.02	+18 42.6	2.002	1.436	28.5	21.4	43 E	31*	24*
9 8	13 53.72	+16 42.0	2.028	1.454	27.9	21.5	42 E	31*	24*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	120942 Rendafuzhong								
	h m	° ′			°	m	°	°	°
12 27	3 50.10	+16 0.1	1.298	2.167	15.7	20.5	143 E	61	48
1 6	3 47.28	+16 7.7	1.407	2.194	19.3	20.8	133 E	61	48
1 16	3 47.95	+16 26.7	1.530	2.221	21.9	21.1	123 E	61	48
1 26	3 51.79	+16 55.0	1.665	2.246	23.7	21.4	113 E	62	47
2 5	3 58.37	+17 29.8	1.808	2.272	24.8	21.6	105 E	62	46*
	380363 2002 TJ_{118}								
12 27	3 50.11	+25 45.6	0.783	1.686	19.5	19.2	145 E	71	38
1 6	3 54.09	+24 53.3	0.859	1.708	23.6	19.5	136 E	70	39
1 16	4 1.82	+24 17.1	0.949	1.732	26.8	19.9	127 E	69	40
1 26	4 12.81	+23 55.3	1.050	1.759	29.1	20.2	120 E	69	40
2 5	4 26.39	+23 43.8	1.160	1.788	30.6	20.5	113 E	69	40
2 15	4 42.05	+23 38.6	1.279	1.818	31.5	20.8	106 E	69	40*
2 25	4 59.32	+23 35.8	1.403	1.850	31.8	21.0	100 E	69	40*
3 7	5 17.79	+23 32.1	1.532	1.883	31.7	21.3	94 E	69*	40*
3 17	5 37.15	+23 24.9	1.666	1.917	31.3	21.5	88 E	67*	40*
	433940 1995 QX_9								
12 27	3 50.13	+12 21.4	1.336	2.196	16.0	20.2	142 E	57	52
1 6	3 48.01	+13 20.2	1.469	2.248	19.0	20.6	132 E	58	51
1 16	3 49.13	+14 22.8	1.618	2.299	21.2	20.9	122 E	59	50
1 26	3 53.12	+15 27.0	1.779	2.350	22.6	21.2	113 E	60	49
2 5	3 59.55	+16 31.0	1.948	2.400	23.4	21.5	105 E	62	47*
	216265 2006 WD_{60}								
12 27	3 50.96	+11 36.8	1.367	2.226	15.8	20.7	142 E	57	52
1 6	3 48.56	+11 58.3	1.485	2.261	19.0	21.0	132 E	57	52
1 16	3 49.38	+12 31.3	1.619	2.295	21.4	21.3	122 E	58	51
1 26	3 53.13	+13 12.7	1.763	2.329	22.9	21.6	113 E	58	51
2 5	3 59.41	+13 59.4	1.916	2.363	23.8	21.8	104 E	59	50*
	369539 2011 AP_5								
12 27	3 51.14	+47 30.9	0.844	1.724	20.9	18.4	141 E	87	16
1 1	3 52.58	+45 6.9	0.871	1.735	22.0	18.6	139 E	90	19
1 6	3 55.18	+42 47.5	0.903	1.745	23.3	18.7	135 E	88	21
1 11	3 58.79	+40 34.7	0.939	1.757	24.6	18.8	132 E	86	23
1 16	4 3.31	+38 30.1	0.980	1.769	25.8	19.0	128 E	84	25
1 21	4 8.60	+36 34.4	1.026	1.781	27.0	19.1	125 E	82	27
1 26	4 14.57	+34 48.0	1.075	1.793	28.0	19.3	121 E	80	29
1 31	4 21.09	+33 10.7	1.127	1.806	29.0	19.4	117 E	78	31
2 5	4 28.10	+31 42.0	1.182	1.820	29.7	19.6	114 E	77	32
2 15	4 43.30	+29 7.6	1.301	1.847	30.8	19.8	107 E	74	35*
2 25	4 59.74	+26 59.2	1.428	1.876	31.3	20.1	100 E	72	37*
3 7	5 17.04	+25 10.1	1.561	1.906	31.3	20.3	94 E	70*	38*
3 17	5 34.97	+23 34.9	1.698	1.937	30.9	20.5	88 E	67*	39*
3 27	5 53.33	+22 8.8	1.837	1.968	30.2	20.7	82 E	63*	40*
4 6	6 11.95	+20 48.0	1.977	2.000	29.1	20.9	77 E	57*	41*
4 16	6 30.72	+19 29.5	2.116	2.032	27.9	21.0	71 E	51*	41*
4 26	6 49.53	+18 11.0	2.254	2.064	26.5	21.1	66 E	45*	41*
5 6	7 8.30	+16 50.8	2.388	2.096	24.9	21.2	61 E	38*	41*
5 16	7 26.96	+15 27.7	2.518	2.129	23.3	21.3	56 E	31*	40*
5 26	7 45.47	+14 0.9	2.643	2.161	21.5	21.4	51 E	24*	39*
6 5	8 3.77	+12 29.9	2.762	2.193	19.7	21.5	47 E	18*	37*
	355046 2006 SO_{19}								
12 27	3 51.55	+ 9 30.0	0.682	1.574	23.1	20.7	141 E	55	54
1 1	3 46.01	+10 50.3	0.717	1.577	25.9	20.9	136 E	56	53
1 6	3 42.11	+12 9.5	0.755	1.579	28.4	21.1	130 E	57	52
1 11	3 39.80	+13 27.1	0.795	1.580	30.7	21.3	125 E	58	51
1 16	3 38.98	+14 42.6	0.839	1.580	32.6	21.5	120 E	60	49
	99795 2002 KM_6								
12 27	3 51.83	+26 46.0	2.592	3.448	9.3	20.1	146 E	72	37
1 6	3 46.76	+26 2.0	2.710	3.469	11.7	20.3	134 E	71	38
1 16	3 44.07	+25 24.7	2.848	3.490	13.6	20.5	124 E	70	39
1 26	3 43.75	+24 55.5	3.001	3.509	14.9	20.6	113 E	70	39
2 5	3 45.59	+24 34.7	3.164	3.527	15.8	20.8	104 E	70	39*
2 15	3 49.37	+24 21.7	3.333	3.545	16.1	20.9	94 E	69	38*
2 25	3 54.86	+24 15.6	3.502	3.562	16.1	21.1	85 E	68*	36*
3 7	4 1.81	+24 14.9	3.669	3.577	15.7	21.1	77 E	64*	34*
3 17	4 9.99	+24 18.3	3.831	3.592	15.0	21.2	69 E	57*	31*
3 27	4 19.23	+24 24.5	3.984	3.606	14.0	21.3	61 E	50*	29*
4 6	4 29.33	+24 32.2	4.126	3.619	12.8	21.3	53 E	43*	26*
4 16	4 40.16	+24 40.3	4.256	3.632	11.5	21.4	46 E	36*	23*
4 26	4 51.58	+24 47.8	4.372	3.643	10.0	21.4	39 E	29*	19*
5 6	5 3.46	+24 53.9	4.472	3.654	8.4	21.3	32 E	22*	16*
5 16	5 15.71	+24 58.0	4.555	3.663	6.7	21.3	25 E	15*	12*
5 26	5 28.22	+24 59.4	4.621	3.672	4.9	21.3	18 E	9*	8*
6 5	5 40.89	+24 57.9	4.669	3.680	3.2	21.2	12 E	3*	3*
6 15	5 53.64	+24 53.1	4.698	3.687	1.4	21.1	5 E	—	—

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	99795 2002 KM_6 *(continuation)*								
	h m	° ′			°	m	°	°	°
6 25	6 6.39	+24 44.8	4.708	3.693	0.6	21.0	2 W	—	—
7 5	6 19.04	+24 33.0	4.700	3.698	2.4	21.2	9 W	1*	1*
7 15	6 31.52	+24 17.7	4.673	3.703	4.2	21.3	15 W	6*	6*
7 25	6 43.74	+23 59.0	4.628	3.706	5.9	21.3	22 W	12*	11*
8 4	6 55.61	+23 37.3	4.565	3.709	7.6	21.4	29 W	18*	15*
8 14	7 7.04	+23 12.8	4.485	3.711	9.2	21.4	36 W	25*	19*
8 24	7 17.93	+22 46.0	4.388	3.711	10.7	21.4	43 W	32*	23*
9 3	7 28.17	+22 17.4	4.277	3.711	12.0	21.4	50 W	39*	26*
9 13	7 37.63	+21 47.6	4.152	3.711	13.2	21.4	58 W	46*	30*
9 23	7 46.18	+21 17.5	4.015	3.709	14.2	21.4	65 W	53*	33*
10 3	7 53.68	+20 47.9	3.868	3.706	15.0	21.3	73 W	59*	36*
10 13	7 59.93	+20 19.5	3.714	3.703	15.5	21.2	82 W	63*	39*
10 23	8 4.76	+19 53.6	3.556	3.699	15.6	21.1	90 W	65*	41*
11 2	8 7.97	+19 30.8	3.397	3.693	15.4	21.0	100 W	65	44*
11 12	8 9.35	+19 12.3	3.242	3.687	14.7	20.9	109 W	64	45*
11 22	8 8.74	+18 58.8	3.094	3.680	13.5	20.8	119 W	64	45
12 2	8 6.00	+18 50.5	2.960	3.672	11.9	20.6	130 W	64	45
12 12	8 1.13	+18 47.5	2.843	3.664	9.7	20.4	141 W	64	45
12 22	7 54.31	+18 49.0	2.750	3.654	7.0	20.2	153 W	64	45
1 1	7 45.89	+18 53.9	2.685	3.644	4.0	20.0	165 W	64	45
1 11	7 36.47	+19 0.6	2.650	3.632	0.9	19.8	177 W	64	45
1 21	7 26.82	+19 7.4	2.648	3.620	2.8	19.9	170 E	64	45
	234330 2001 EF								
12 27	3 52.07	+ 3 58.2	2.713	3.512	10.7	21.1	139 E	49	60
1 6	3 46.48	+ 4 58.9	2.836	3.532	12.6	21.3	128 E	50	59
1 16	3 43.01	+ 6 5.5	2.977	3.551	14.1	21.4	118 E	51	58
1 26	3 41.68	+ 7 15.9	3.133	3.569	15.2	21.6	108 E	52	57
2 5	3 42.36	+ 8 28.3	3.297	3.586	15.8	21.7	99 E	53	55*
	267671 2002 TZ_{289}								
12 27	3 54.28	+32 14.0	0.894	1.795	17.8	18.6	146 E	77	32
1 1	3 54.27	+31 53.4	0.935	1.809	19.9	18.7	141 E	77	32
1 6	3 55.35	+31 34.0	0.979	1.824	21.8	18.9	137 E	77	32
1 11	3 57.48	+31 16.3	1.028	1.838	23.4	19.1	132 E	76	33
1 16	4 0.60	+31 0.5	1.079	1.853	24.8	19.3	128 E	76	33
1 21	4 4.62	+30 46.9	1.134	1.869	26.0	19.4	124 E	76	33
1 26	4 9.46	+30 35.4	1.191	1.884	27.0	19.6	120 E	76	33
1 31	4 15.03	+30 25.6	1.251	1.901	27.8	19.7	116 E	75	34
2 5	4 21.24	+30 17.3	1.313	1.917	28.4	19.9	112 E	75	34
2 15	4 35.36	+30 3.9	1.442	1.950	29.3	20.1	105 E	75	34*
2 25	4 51.32	+29 52.9	1.577	1.984	29.6	20.4	99 E	75	34*
3 7	5 8.66	+29 41.4	1.716	2.018	29.4	20.6	92 E	74*	34*
3 17	5 27.05	+29 27.5	1.858	2.053	28.9	20.8	86 E	72*	33*
3 27	5 46.18	+29 9.2	2.002	2.089	28.1	21.0	81 E	68*	33*
4 6	6 5.81	+28 45.3	2.146	2.124	27.1	21.1	75 E	62*	33*
4 16	6 25.73	+28 14.8	2.289	2.159	25.9	21.2	70 E	57*	33*
4 26	6 45.78	+27 37.2	2.430	2.195	24.5	21.4	65 E	50*	32*
5 6	7 5.81	+26 52.1	2.568	2.230	22.9	21.5	59 E	44*	32*
	159367 1977 OX								
12 27	3 55.01	+ 8 21.3	2.023	2.858	12.4	20.1	141 E	53	56
1 6	3 51.14	+ 9 22.9	2.166	2.909	14.7	20.3	131 E	54	55
1 16	3 49.80	+10 28.6	2.327	2.960	16.5	20.6	121 E	55	54
1 26	3 50.87	+11 36.2	2.502	3.010	17.7	20.8	112 E	57	52
2 5	3 54.10	+12 44.2	2.685	3.060	18.3	21.0	103 E	58	51*
2 15	3 59.21	+13 51.3	2.875	3.109	18.5	21.2	94 E	59	48*
2 25	4 5.94	+14 56.4	3.067	3.158	18.2	21.4	86 E	60*	45*
	220911 2005 EY_{139}								
12 27	3 55.36	+17 25.1	1.949	2.811	11.6	20.8	145 E	62	47
1 6	3 49.82	+17 39.5	2.060	2.828	14.6	21.0	133 E	63	46
1 16	3 47.13	+18 0.4	2.189	2.844	16.9	21.3	123 E	63	46
1 26	3 47.22	+18 27.5	2.331	2.859	18.5	21.5	113 E	63	46
2 5	3 49.86	+18 59.8	2.481	2.873	19.5	21.6	103 E	64	45*
	347861 2002 RT_{190}								
12 27	3 55.91	+30 30.9	1.535	2.416	13.0	21.2	146 E	76	33
1 1	3 53.10	+30 13.1	1.589	2.433	14.7	21.4	141 E	75	34
1 6	3 51.21	+29 56.3	1.647	2.449	16.3	21.5	136 E	75	34
1 11	3 50.23	+29 41.1	1.710	2.465	17.7	21.6	130 E	75	34
1 16	3 50.13	+29 27.8	1.777	2.481	18.8	21.8	125 E	74	35
	441266 2007 VE_{323}								
12 27	3 56.14	+30 14.0	0.724	1.637	19.3	18.3	147 E	75	34
1 1	3 57.86	+29 33.7	0.748	1.639	21.7	18.5	142 E	75	34
1 6	4 0.69	+28 55.9	0.775	1.641	23.8	18.6	138 E	74	35
1 11	4 4.57	+28 21.2	0.805	1.645	25.7	18.8	133 E	73	36
1 16	4 9.48	+27 49.9	0.839	1.649	27.4	18.9	130 E	73	36
1 21	4 15.32	+27 22.0	0.875	1.655	28.9	19.1	126 E	72	37

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
441266 2007 VE_{323} *(continuation)*									
	h m	° ′			°	m	°	°	°
1 26	4 22.02	+26 57.3	0.914	1.662	30.1	19.2	122 E	72	37
1 31	4 29.47	+26 35.3	0.955	1.669	31.2	19.3	119 E	72	37
2 5	4 37.58	+26 15.7	0.999	1.678	32.1	19.5	115 E	71	38
2 15	4 55.51	+25 41.4	1.093	1.698	33.3	19.7	109 E	71	38
2 25	5 15.24	+25 10.4	1.195	1.721	34.0	20.0	104 E	70	39*
3 7	5 36.22	+24 39.0	1.303	1.747	34.2	20.2	98 E	70	39*
3 17	5 58.06	+24 4.2	1.417	1.777	34.0	20.4	93 E	69*	40*
3 27	6 20.41	+23 23.8	1.536	1.809	33.5	20.6	88 E	66*	40*
4 6	6 42.96	+22 36.4	1.660	1.843	32.7	20.8	84 E	63*	41*
4 16	7 5.51	+21 41.1	1.787	1.879	31.6	21.0	79 E	58*	41*
4 26	7 27.88	+20 37.6	1.916	1.917	30.4	21.1	75 E	53*	42*
5 6	7 49.92	+19 26.0	2.048	1.956	29.1	21.3	70 E	47*	43*
5 16	8 11.56	+18 6.7	2.181	1.997	27.6	21.4	66 E	41*	43*
60689 2000 GG_{37}									
12 27	3 56.93	+ 9 21.0	1.691	2.541	13.7	20.0	142 E	54	55
1 6	3 51.99	+ 9 56.2	1.799	2.560	16.7	20.2	132 E	55	54
1 16	3 50.06	+10 41.0	1.924	2.578	19.0	20.4	121 E	56	53
1 26	3 51.02	+11 32.8	2.062	2.595	20.6	20.7	112 E	57	52
2 5	3 54.60	+12 29.2	2.207	2.611	21.6	20.9	103 E	57	51*
2 15	4 0.46	+13 28.0	2.357	2.626	22.0	21.0	95 E	58	49*
2 25	4 8.31	+14 27.3	2.508	2.641	22.0	21.2	87 E	59*	46*
3 7	4 17.83	+15 25.3	2.658	2.654	21.5	21.3	79 E	57*	43*
3 17	4 28.78	+16 20.8	2.803	2.666	20.8	21.4	72 E	54*	40*
3 27	4 40.94	+17 12.6	2.943	2.677	19.7	21.5	65 E	49*	37*
246336 2007 TW_{244}									
12 27	3 57.69	+29 32.4	1.471	2.357	13.2	20.9	147 E	75	34
1 1	3 54.83	+29 6.4	1.523	2.372	15.0	21.0	141 E	74	35
1 6	3 52.92	+28 42.3	1.580	2.387	16.6	21.2	136 E	74	35
1 11	3 51.94	+28 20.5	1.641	2.401	18.1	21.3	131 E	73	36
1 16	3 51.86	+28 1.3	1.706	2.415	19.3	21.5	126 E	73	36
100045 1991 TK_1									
12 27	3 58.46	+66 17.3	0.837	1.660	26.4	16.2	131 E	69	—
1 1	3 58.39	+64 48.3	0.843	1.658	26.9	16.2	130 E	70	—
1 6	4 0.53	+63 9.8	0.853	1.657	27.5	16.3	129 E	72	1
1 11	4 4.61	+61 24.1	0.866	1.657	28.2	16.3	127 E	74	3
1 16	4 10.38	+59 33.3	0.882	1.658	28.9	16.4	125 E	75	4
1 21	4 17.56	+57 39.1	0.901	1.660	29.7	16.5	123 E	77	6
1 26	4 25.88	+55 43.3	0.924	1.662	30.4	16.5	121 E	79	8
1 31	4 35.08	+53 47.0	0.949	1.666	31.2	16.6	119 E	81	10
2 5	4 44.98	+51 51.0	0.978	1.670	31.9	16.7	116 E	83	12
2 10	4 55.40	+49 56.2	1.009	1.674	32.6	16.8	114 E	85	14
2 15	5 6.24	+48 3.2	1.044	1.680	33.2	16.9	112 E	87	16
2 20	5 17.37	+46 12.5	1.081	1.686	33.7	17.0	109 E	89	18
2 25	5 28.70	+44 24.2	1.121	1.693	34.1	17.1	106 E	89	20
3 2	5 40.15	+42 38.5	1.163	1.700	34.4	17.2	104 E	88	21
3 7	5 51.66	+40 55.5	1.208	1.709	34.7	17.3	101 E	86	23
3 12	6 3.19	+39 15.0	1.255	1.718	34.9	17.4	99 E	84	25
3 17	6 14.70	+37 37.0	1.304	1.727	34.9	17.5	96 E	83	26*
3 22	6 26.17	+36 1.4	1.355	1.737	34.9	17.6	94 E	81*	28*
3 27	6 37.57	+34 28.0	1.408	1.748	34.8	17.7	92 E	78*	30*
4 6	7 0.07	+31 27.1	1.517	1.771	34.3	17.9	87 E	72*	32*
4 16	7 22.13	+28 32.8	1.632	1.796	33.6	18.0	82 E	66*	35*
4 26	7 43.69	+25 43.7	1.751	1.823	32.6	18.2	78 E	59*	38*
5 6	8 4.73	+22 58.5	1.872	1.851	31.4	18.3	73 E	52*	40*
5 16	8 25.26	+20 16.4	1.995	1.881	30.1	18.5	69 E	45*	42*
5 26	8 45.30	+17 36.4	2.119	1.912	28.5	18.6	64 E	37*	43*
6 5	9 4.87	+14 57.9	2.241	1.944	26.9	18.7	60 E	30*	44*
6 15	9 24.03	+12 20.6	2.362	1.976	25.1	18.8	56 E	24*	43*
6 25	9 42.80	+ 9 44.1	2.480	2.010	23.3	18.9	51 E	18*	42*
7 5	10 1.21	+ 7 8.3	2.595	2.044	21.4	19.0	47 E	13*	40*
7 15	10 19.34	+ 4 33.2	2.705	2.078	19.4	19.0	43 E	8*	36*
7 25	10 37.20	+ 1 58.6	2.809	2.112	17.4	19.1	39 E	4*	33*
8 4	10 54.85	− 0 35.1	2.908	2.147	15.4	19.1	34 E	1*	28*
8 14	11 12.33	− 3 8.0	2.999	2.181	13.4	19.2	30 E	—	24*
8 24	11 29.67	− 5 39.7	3.082	2.216	11.4	19.2	26 E	—	19*
9 3	11 46.93	− 8 10.0	3.157	2.250	9.5	19.2	22 E	—	14*
9 13	12 4.12	−10 38.8	3.222	2.284	7.7	19.2	18 E	—	9*
9 23	12 21.29	−13 5.5	3.277	2.317	6.1	19.2	14 E	—	5*
10 3	12 38.45	−15 29.9	3.322	2.351	4.9	19.2	12 E	—	—
10 13	12 55.63	−17 51.8	3.355	2.383	4.6	19.2	11 W	—	2*
10 23	13 12.83	−20 10.6	3.377	2.416	5.1	19.3	13 W	—	6*
11 2	13 30.06	−22 26.0	3.387	2.447	6.4	19.4	16 W	—	10*
11 12	13 47.31	−24 37.9	3.384	2.478	7.9	19.5	20 W	1*	14*
11 22	14 4.54	−26 45.9	3.369	2.509	9.6	19.6	25 W	4*	19*
12 2	14 21.73	−28 49.8	3.342	2.538	11.3	19.6	30 W	6*	24*
12 12	14 38.81	−30 49.5	3.302	2.567	12.9	19.7	36 W	8*	29*
12 22	14 55.69	−32 45.0	3.251	2.596	14.5	19.7	41 W	8*	35*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
100045 1991 TK_1 *(continuation)*									
	h m	° ′			°	m	°	°	°
1 1	15 12.27	−34 36.5	3.188	2.623	16.0	19.8	47 W	8*	41*
1 11	15 28.41	−36 24.2	3.114	2.650	17.4	19.8	54 W	7*	47*
1 21	15 43.93	−38 8.6	3.031	2.676	18.5	19.8	60 W	6*	54*
469329 1999 YJ_5									
12 27	3 58.50	+63 38.8	0.672	1.524	28.1	18.2	133 E	71	—
1 1	4 4.12	+60 55.2	0.682	1.532	28.0	18.2	133 E	74	3
1 6	4 10.73	+58 4.5	0.697	1.542	28.1	18.3	132 E	77	6
1 11	4 18.13	+55 10.5	0.715	1.552	28.4	18.4	131 E	80	9
1 16	4 26.16	+52 16.6	0.739	1.564	28.9	18.5	130 E	83	12
1 21	4 34.67	+49 26.0	0.766	1.576	29.5	18.6	128 E	86	15
1 26	4 43.55	+46 41.0	0.799	1.589	30.2	18.7	126 E	88	17
1 31	4 52.70	+44 3.6	0.835	1.603	30.9	18.9	123 E	89	20
2 5	5 2.03	+41 34.6	0.876	1.618	31.6	19.0	121 E	87	22
2 10	5 11.51	+39 14.8	0.920	1.633	32.3	19.1	118 E	84	25
2 15	5 21.10	+37 4.2	0.968	1.649	32.9	19.3	115 E	82	27
2 20	5 30.79	+35 2.8	1.019	1.666	33.4	19.4	112 E	80	29
2 25	5 40.53	+33 10.0	1.073	1.683	33.7	19.6	109 E	78	31
3 7	6 0.07	+29 47.4	1.190	1.719	34.1	19.9	104 E	75	34
3 17	6 19.63	+26 50.7	1.315	1.757	34.1	20.1	98 E	72	37
3 27	6 39.14	+24 13.8	1.447	1.796	33.7	20.4	93 E	68*	40*
4 6	6 58.51	+21 51.5	1.585	1.836	33.0	20.6	87 E	64*	42*
4 16	7 17.70	+19 39.5	1.726	1.877	32.0	20.8	82 E	58*	44*
4 26	7 36.70	+17 34.3	1.869	1.919	30.8	21.0	77 E	52*	45*
5 6	7 55.45	+15 33.2	2.012	1.961	29.4	21.2	73 E	45*	47*
5 16	8 13.95	+13 34.4	2.155	2.004	27.8	21.3	68 E	38*	47*
5 26	8 32.19	+11 36.4	2.296	2.046	26.2	21.4	63 E	31*	47*
101328 1998 SJ_{162}									
12 27	3 59.31	+12 18.1	0.828	1.723	19.6	18.2	144 E	57	52
1 6	4 1.81	+12 37.0	0.912	1.750	23.5	18.5	135 E	58	51
1 16	4 7.76	+13 12.2	1.009	1.778	26.5	18.9	126 E	58	51
1 26	4 16.81	+13 58.1	1.117	1.808	28.6	19.2	119 E	59	50
2 5	4 28.43	+14 49.2	1.234	1.840	29.9	19.5	111 E	60	49
2 15	4 42.16	+15 41.0	1.359	1.873	30.6	19.7	105 E	61	48*
2 25	4 57.60	+16 30.0	1.489	1.908	30.9	20.0	99 E	61	47*
3 7	5 14.36	+17 13.3	1.624	1.943	30.7	20.2	93 E	62*	46*
3 17	5 32.16	+17 49.1	1.763	1.979	30.1	20.4	87 E	61*	45*
3 27	5 50.75	+18 15.8	1.904	2.016	29.3	20.6	82 E	59*	44*
4 6	6 9.87	+18 32.4	2.045	2.053	28.3	20.8	76 E	55*	43*
4 16	6 29.36	+18 38.6	2.187	2.090	27.0	20.9	71 E	50*	42*
4 26	6 49.05	+18 33.9	2.328	2.128	25.6	21.0	66 E	45*	41*
5 6	7 8.78	+18 18.6	2.466	2.165	24.1	21.2	61 E	39*	40*
5 16	7 28.48	+17 53.0	2.601	2.203	22.4	21.3	56 E	33*	38*
5 26	7 48.02	+17 17.5	2.731	2.240	20.6	21.4	51 E	27*	37*
6 5	8 7.33	+16 32.8	2.857	2.277	18.8	21.4	46 E	21*	34*
6 15	8 26.38	+15 39.6	2.976	2.313	16.9	21.5	41 E	16*	32*
350964 2003 BT_{35}									
12 27	3 59.37	−63 49.5	1.012	1.391	45.0	21.1	88 E	—	52
1 1	3 50.16	−60 27.8	0.979	1.379	45.5	21.0	89 E	—	56
1 6	3 43.63	−56 37.2	0.948	1.366	46.0	20.9	90 E	—	59
1 11	3 39.42	−52 18.0	0.919	1.353	46.6	20.8	91 E	—	64
1 16	3 37.19	−47 31.2	0.894	1.341	47.2	20.8	91 E	—	68
1 21	3 36.62	−42 18.7	0.872	1.328	47.8	20.7	91 E	3	74
1 26	3 37.46	−36 43.7	0.856	1.316	48.4	20.7	91 E	8	79*
1 31	3 39.46	−30 50.5	0.845	1.303	49.1	20.6	90 E	14	84*
2 5	3 42.47	−24 44.7	0.842	1.291	49.8	20.6	90 E	20	83*
2 10	3 46.34	−18 33.0	0.845	1.279	50.5	20.6	88 E	26	77*
2 15	3 50.98	−12 22.4	0.855	1.267	51.1	20.7	87 E	33	71*
2 20	3 56.31	− 6 19.5	0.871	1.256	51.6	20.7	85 E	39*	65*
2 25	4 2.25	− 0 30.1	0.895	1.245	52.0	20.8	83 E	44*	59*
3 2	4 8.76	+ 5 1.9	0.923	1.234	52.3	20.8	80 E	49*	53*
3 7	4 15.79	+10 13.9	0.957	1.224	52.4	20.9	78 E	52*	47*
3 12	4 23.35	+15 4.8	0.994	1.214	52.3	20.9	75 E	55*	42*
3 17	4 31.42	+19 34.6	1.033	1.205	52.1	21.0	73 E	57*	38*
3 22	4 40.02	+23 43.9	1.075	1.197	51.7	21.1	70 E	58*	34*
3 27	4 49.15	+27 34.0	1.117	1.189	51.2	21.1	68 E	58*	30*
4 1	4 58.83	+31 6.3	1.160	1.182	50.5	21.2	66 E	57*	26*
4 6	5 9.11	+34 22.1	1.201	1.175	49.8	21.2	64 E	56*	23*
4 11	5 20.04	+37 23.0	1.242	1.170	49.0	21.2	62 E	55*	20*
4 16	5 31.67	+40 10.2	1.280	1.165	48.2	21.3	60 E	53*	17*
4 21	5 44.08	+42 44.8	1.316	1.162	47.3	21.3	58 E	52*	15*
4 26	5 57.35	+45 7.7	1.349	1.159	46.5	21.3	57 E	51*	12*
5 1	6 11.55	+47 19.3	1.379	1.157	45.8	21.4	55 E	49*	10*
5 6	6 26.81	+49 20.2	1.405	1.156	45.1	21.4	54 E	48*	8*
5 11	6 43.23	+51 10.3	1.428	1.156	44.5	21.4	53 E	47*	7*
5 16	7 0.92	+52 49.6	1.447	1.157	44.0	21.4	53 E	47*	6*
5 21	7 19.98	+54 17.6	1.462	1.159	43.6	21.4	52 E	46*	4*
5 26	7 40.48	+55 33.6	1.473	1.161	43.3	21.4	52 E	46*	3*
5 31	8 2.45	+56 36.4	1.480	1.165	43.1	21.4	52 E	46*	3*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		350964 2003 BT_{35}				*(continuation)*			
	h m	° ′			°	m	°	°	°
6 5	8 25.88	+57 24.7	1.483	1.170	43.0	21.5	52 E	46*	2*
6 10	8 50.67	+57 57.1	1.483	1.175	43.0	21.5	52 E	46*	2*
6 15	9 16.64	+58 12.0	1.480	1.181	43.1	21.5	53 E	47*	2*
6 20	9 43.49	+58 7.8	1.475	1.188	43.2	21.5	53 E	47*	3*
6 25	10 10.83	+57 43.3	1.466	1.196	43.4	21.5	54 E	48*	3*
		171665 2000 KK_{23}							
12 27	4 0.67	+20 33.0	1.554	2.437	12.8	20.7	147 E	66	43
1 6	3 55.46	+20 35.2	1.662	2.461	16.3	21.0	135 E	66	43
1 16	3 53.61	+20 44.5	1.788	2.485	18.9	21.3	125 E	66	43
1 26	3 54.95	+21 1.1	1.927	2.508	20.8	21.5	115 E	66	43
2 5	3 59.11	+21 23.7	2.074	2.530	22.0	21.8	106 E	66	42*
		368531 2003 WN_{82}							
12 27	4 2.87	− 1 29.5	0.804	1.668	23.4	19.0	138 E	44	65
1 1	4 3.95	− 0 37.3	0.852	1.691	24.7	19.2	134 E	44	65
1 6	4 5.83	+ 0 18.4	0.903	1.713	25.9	19.4	131 E	45	64
1 11	4 8.48	+ 1 16.5	0.957	1.736	26.9	19.6	127 E	46	63
1 16	4 11.85	+ 2 15.8	1.014	1.759	27.8	19.8	123 E	47	62
1 21	4 15.89	+ 3 15.5	1.073	1.783	28.5	20.0	120 E	48	61
1 26	4 20.55	+ 4 14.8	1.135	1.806	29.1	20.1	117 E	49	60
2 5	4 31.47	+ 6 9.5	1.266	1.854	29.9	20.5	110 E	51	58
2 15	4 44.21	+ 7 56.6	1.405	1.902	30.3	20.7	104 E	53	56*
2 25	4 58.43	+ 9 33.4	1.550	1.950	30.2	21.0	98 E	55	54*
3 7	5 13.81	+10 58.7	1.700	1.998	29.8	21.2	92 E	56*	52*
3 17	5 30.11	+12 11.5	1.853	2.046	29.0	21.5	86 E	56*	50*
		331699 2002 RT_{45}							
12 27	4 2.90	+22 35.0	1.088	1.990	15.3	19.7	148 E	68	41
1 6	4 0.95	+22 32.6	1.190	2.024	19.3	20.1	137 E	68	41
1 16	4 2.75	+22 38.3	1.309	2.059	22.3	20.4	127 E	68	41
1 26	4 7.95	+22 51.6	1.440	2.095	24.4	20.7	118 E	68	41
2 5	4 15.99	+23 10.4	1.580	2.130	25.8	21.0	110 E	68	41
2 15	4 26.40	+23 32.4	1.727	2.166	26.5	21.3	102 E	69	40*
2 25	4 38.75	+23 55.5	1.879	2.201	26.6	21.5	95 E	69	39*
		383610 2007 JJ_{35}							
12 27	4 3.67	−38 19.1	1.120	1.727	32.3	21.1	110 E	7	78
1 1	3 54.71	−39 17.3	1.150	1.707	33.6	21.2	106 E	6	77
1 6	3 46.98	−39 57.3	1.181	1.686	34.8	21.2	102 E	5	76
1 11	3 40.60	−40 21.8	1.212	1.666	35.8	21.3	98 E	5	76
1 16	3 35.64	−40 33.8	1.243	1.645	36.6	21.3	95 E	4	75
1 21	3 32.10	−40 35.9	1.272	1.625	37.3	21.4	91 E	4	75
1 26	3 29.94	−40 30.3	1.299	1.604	37.8	21.4	88 E	4	75*
1 31	3 29.08	−40 18.9	1.324	1.583	38.3	21.4	85 E	5	74*
2 5	3 29.47	−40 3.1	1.346	1.563	38.7	21.5	83 E	5	73*
2 10	3 31.03	−39 44.1	1.365	1.542	39.1	21.5	80 E	5	71*
2 15	3 33.72	−39 22.7	1.380	1.522	39.4	21.5	78 E	6*	70*
2 20	3 37.46	−38 59.9	1.391	1.502	39.7	21.5	76 E	6*	68*
2 25	3 42.21	−38 36.1	1.398	1.482	40.1	21.5	75 E	6*	66*
3 2	3 47.93	−38 11.8	1.401	1.462	40.4	21.5	73 E	5*	65*
3 7	3 54.60	−37 47.1	1.400	1.443	40.8	21.4	72 E	5*	63*
3 12	4 2.21	−37 22.1	1.395	1.424	41.3	21.4	71 E	4*	62*
3 17	4 10.77	−36 56.9	1.386	1.405	41.8	21.4	70 E	3*	61*
3 22	4 20.29	−36 31.5	1.373	1.387	42.3	21.3	70 E	3*	60*
3 27	4 30.79	−36 5.5	1.357	1.370	42.9	21.3	69 E	2*	60*
4 1	4 42.30	−35 38.7	1.337	1.354	43.6	21.3	69 E	1*	59*
4 6	4 54.86	−35 10.5	1.314	1.338	44.3	21.2	69 E	—	59*
4 11	5 8.55	−34 40.1	1.288	1.323	45.1	21.2	69 E	—	59*
4 16	5 23.40	−34 6.8	1.260	1.309	45.9	21.1	70 E	—	59*
4 21	5 39.48	−33 29.7	1.231	1.296	46.8	21.1	70 E	—	59*
4 26	5 56.81	−32 47.4	1.201	1.284	47.6	21.0	70 E	—	59*
5 1	6 15.42	−31 58.5	1.171	1.273	48.5	21.0	71 E	—	60*
5 6	6 35.32	−31 1.4	1.141	1.263	49.3	20.9	72 E	—	61*
5 11	6 56.47	−29 54.5	1.114	1.255	50.1	20.9	72 E	—	62*
5 16	7 18.77	−28 36.6	1.089	1.248	50.7	20.8	73 E	—	63*
5 21	7 42.06	−27 6.7	1.068	1.242	51.3	20.8	73 E	—	64*
5 26	8 6.13	−25 24.3	1.052	1.238	51.7	20.8	74 E	—	65*
5 31	8 30.69	−23 29.8	1.042	1.235	52.1	20.8	74 E	—	66*
6 5	8 55.47	−21 24.5	1.038	1.233	52.2	20.8	74 E	2*	67*
6 10	9 20.15	−19 11.0	1.041	1.233	52.2	20.8	74 E	4*	67*
6 15	9 44.45	−16 52.6	1.052	1.235	52.0	20.8	73 E	6*	67*
6 20	10 8.11	−14 32.6	1.069	1.238	51.6	20.8	73 E	8*	67*
6 25	10 30.93	−12 14.5	1.094	1.243	51.1	20.9	72 E	10*	66*
6 30	10 52.81	−10 1.3	1.125	1.248	50.4	20.9	71 E	12*	65*
7 5	11 13.68	− 7 55.3	1.162	1.256	49.6	21.0	70 E	14*	63*
7 10	11 33.53	− 5 58.2	1.203	1.264	48.6	21.0	69 E	16*	61*
7 15	11 52.39	− 4 10.9	1.249	1.274	47.5	21.1	68 E	18*	59*
7 20	12 10.31	− 2 33.6	1.298	1.285	46.3	21.2	66 E	19*	58*
7 25	12 27.36	− 1 6.1	1.350	1.297	45.1	21.2	65 E	21*	56*
7 30	12 43.62	+ 0 12.1	1.403	1.311	43.8	21.3	63 E	22*	54*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		383610 2007 JJ_{35}				*(continuation)*			
	h m	° ′			°	m	°	°	°
8 4	12 59.19	+ 1 21.6	1.458	1.325	42.4	21.4	62 E	24*	52*
8 9	13 14.14	+ 2 23.0	1.513	1.340	41.1	21.4	60 E	25*	50*
		136773 1996 TR_6							
12 27	4 4.05	−18 4.3	0.937	1.714	27.5	20.8	126 E	27	82
1 1	4 1.95	−17 20.5	0.977	1.724	28.5	20.9	123 E	28	81
1 6	4 0.92	−16 28.0	1.019	1.734	29.4	21.0	120 E	29	80
1 11	4 0.91	−15 28.8	1.063	1.743	30.3	21.1	117 E	30	79
1 16	4 1.88	−14 24.3	1.109	1.752	31.0	21.3	114 E	31	78
1 21	4 3.78	−13 16.2	1.157	1.761	31.6	21.4	110 E	32	77
		153220 2000 YN_{29}							
12 27	4 4.64	+22 6.5	1.539	2.430	12.4	21.0	148 E	67	42
1 1	3 58.24	+21 56.8	1.543	2.392	14.8	21.1	141 E	67	42
1 6	3 52.61	+21 48.0	1.552	2.353	17.2	21.1	135 E	67	42
1 11	3 47.84	+21 40.7	1.566	2.313	19.3	21.2	129 E	67	42
1 16	3 44.02	+21 35.5	1.584	2.274	21.3	21.2	123 E	67	42
1 21	3 41.18	+21 32.7	1.606	2.233	23.1	21.3	117 E	67	42
1 26	3 39.35	+21 32.7	1.629	2.192	24.7	21.3	112 E	67	42*
1 31	3 38.50	+21 35.5	1.654	2.150	26.1	21.3	106 E	67	42*
2 5	3 38.62	+21 41.2	1.680	2.108	27.3	21.4	101 E	67	42*
2 10	3 39.68	+21 49.6	1.706	2.066	28.3	21.4	97 E	67	41*
2 15	3 41.65	+22 0.8	1.731	2.022	29.2	21.4	92 E	67	39*
2 20	3 44.50	+22 14.5	1.755	1.978	30.0	21.4	88 E	67*	38*
2 25	3 48.17	+22 30.5	1.777	1.934	30.6	21.4	83 E	66*	37*
3 2	3 52.65	+22 48.4	1.798	1.889	31.1	21.4	80 E	64*	36*
3 7	3 57.90	+23 8.0	1.816	1.843	31.5	21.4	76 E	62*	34*
3 12	4 3.90	+23 28.9	1.831	1.797	31.8	21.3	72 E	60*	33*
3 17	4 10.63	+23 50.9	1.843	1.750	32.0	21.3	69 E	57*	32*
3 22	4 18.09	+24 13.6	1.852	1.703	32.2	21.3	66 E	54*	30*
3 27	4 26.24	+24 36.5	1.858	1.655	32.3	21.2	63 E	52*	29*
4 1	4 35.09	+24 59.2	1.860	1.607	32.5	21.1	60 E	49*	28*
4 6	4 44.65	+25 21.4	1.859	1.558	32.6	21.1	57 E	46*	27*
4 11	4 54.91	+25 42.5	1.854	1.509	32.7	21.0	54 E	44*	26*
4 16	5 5.90	+26 2.1	1.845	1.460	32.8	20.9	52 E	41*	26*
4 21	5 17.60	+26 19.6	1.833	1.410	32.9	20.8	50 E	39*	25*
4 26	5 30.05	+26 34.3	1.817	1.361	33.2	20.8	48 E	36*	24*
5 1	5 43.25	+26 45.6	1.797	1.311	33.4	20.7	46 E	34*	24*
5 6	5 57.22	+26 52.8	1.773	1.262	33.8	20.6	44 E	32*	23*
5 11	6 11.98	+26 54.9	1.746	1.213	34.3	20.5	43 E	30*	23*
5 16	6 27.54	+26 51.2	1.716	1.164	34.9	20.3	41 E	28*	23*
5 21	6 43.92	+26 40.5	1.682	1.117	35.7	20.2	40 E	26*	23*
5 26	7 1.11	+26 21.8	1.645	1.071	36.7	20.1	39 E	25*	23*
5 31	7 19.11	+25 53.9	1.605	1.027	37.9	20.0	38 E	23*	23*
6 5	7 37.90	+25 15.6	1.563	0.985	39.3	19.9	38 E	22*	23*
6 10	7 57.48	+24 25.7	1.518	0.946	41.0	19.8	38 E	21*	24*
6 15	8 17.80	+23 22.7	1.471	0.911	43.0	19.7	38 E	20*	25*
6 20	8 38.81	+22 5.7	1.423	0.880	45.2	19.6	38 E	19*	26*
6 25	9 0.44	+20 33.5	1.373	0.855	47.6	19.5	38 E	18*	27*
6 30	9 22.65	+18 45.4	1.324	0.836	50.2	19.5	39 E	17*	28*
7 5	9 45.37	+16 40.9	1.275	0.823	52.8	19.4	40 E	16*	30*
7 15	10 32.23	+11 42.6	1.183	0.820	57.6	19.4	43 E	15*	34*
7 25	11 20.81	+ 5 44.7	1.107	0.847	60.9	19.4	47 E	15*	39*
8 4	12 11.15	− 0 55.4	1.056	0.898	62.0	19.5	51 E	14*	44*
8 9	12 36.98	− 4 22.4	1.042	0.931	61.5	19.5	54 E	14*	47*
8 14	13 3.18	− 7 47.5	1.037	0.969	60.6	19.6	56 E	14*	50*
8 19	13 29.65	−11 5.6	1.041	1.010	59.1	19.6	59 E	13*	53*
8 24	13 56.24	−14 11.7	1.054	1.053	57.3	19.7	61 E	13*	55*
8 29	14 22.76	−17 1.7	1.077	1.098	55.3	19.8	63 E	13*	57*
9 3	14 49.02	−19 32.5	1.108	1.145	53.2	19.9	65 E	13*	59*
9 8	15 14.82	−21 42.6	1.147	1.193	50.9	20.0	67 E	13*	61*
9 13	15 39.96	−23 31.4	1.194	1.242	48.7	20.1	68 E	13*	62*
9 18	16 4.27	−24 59.7	1.248	1.291	46.6	20.2	69 E	13*	63*
9 23	16 27.63	−26 8.8	1.308	1.341	44.5	20.3	69 E	13*	63*
9 28	16 49.96	−27 0.5	1.373	1.390	42.5	20.5	70 E	13*	64*
10 3	17 11.23	−27 37.0	1.443	1.440	40.6	20.6	70 E	14*	64*
10 8	17 31.45	−28 0.2	1.517	1.489	38.8	20.7	69 E	14*	63*
10 13	17 50.63	−28 12.0	1.594	1.538	37.1	20.8	68 E	14*	62*
10 18	18 8.82	−28 14.2	1.674	1.587	35.4	21.0	68 E	15*	61*
10 23	18 26.07	−28 8.2	1.757	1.636	33.9	21.1	66 E	15*	60*
10 28	18 42.44	−27 55.3	1.842	1.684	32.3	21.2	65 E	15*	59*
11 2	18 58.01	−27 36.7	1.929	1.731	30.9	21.3	63 E	16*	57*
11 7	19 12.84	−27 13.2	2.017	1.778	29.4	21.5	62 E	16*	55*
		257924 2000 WH_{68}							
12 27	4 4.91	+19 16.1	1.516	2.404	12.7	21.5	148 E	64	45
1 6	4 0.19	+18 55.5	1.628	2.435	16.2	21.8	136 E	64	45
1 16	3 58.77	+18 46.3	1.758	2.464	18.9	22.0	126 E	64	45
1 26	4 0.45	+18 47.7	1.900	2.493	20.8	22.3	116 E	64	45
2 5	4 4.85	+18 57.9	2.052	2.520	22.0	22.5	107 E	64	45*

376818 2001 AG_{54}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 27	4 5.29	+13 34.1	0.760	1.668	19.3	19.1	146 E	59	50
1 1	4 3.35	+14 27.5	0.778	1.660	22.0	19.2	141 E	59	50
1 6	4 2.57	+15 23.4	0.800	1.654	24.5	19.3	136 E	60	49
1 11	4 2.98	+16 21.2	0.825	1.647	26.7	19.5	131 E	61	48
1 16	4 4.61	+17 20.1	0.852	1.642	28.7	19.6	127 E	62	47
1 26	4 11.41	+19 18.7	0.915	1.633	32.0	19.8	119 E	64	45
2 5	4 22.52	+21 13.9	0.985	1.627	34.4	20.0	111 E	66	43
2 15	4 37.44	+23 1.5	1.062	1.625	36.0	20.3	105 E	68	41*
2 25	4 55.62	+24 37.5	1.142	1.625	37.0	20.4	99 E	70	39*
3 7	5 16.49	+25 58.4	1.226	1.628	37.4	20.6	94 E	71*	38*
3 17	5 39.55	+27 1.4	1.313	1.635	37.5	20.8	89 E	71*	36*
3 27	6 4.32	+27 44.3	1.402	1.644	37.2	20.9	85 E	69*	35*
4 6	6 30.29	+28 5.6	1.494	1.657	36.6	21.1	81 E	65*	35*
4 16	6 57.02	+28 4.7	1.587	1.672	35.7	21.2	77 E	62*	35*
4 26	7 24.11	+27 41.8	1.683	1.689	34.7	21.3	73 E	57*	35*
5 6	7 51.18	+26 57.9	1.780	1.709	33.5	21.4	69 E	52*	35*

252068 2000 SW_{149}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	4 7.38	+11 15.2	1.517	2.393	13.5	20.6	145 E	56	53
1 6	4 2.75	+11 20.0	1.626	2.420	16.8	20.9	135 E	56	53
1 16	4 1.27	+11 38.0	1.752	2.446	19.4	21.1	124 E	57	52
1 26	4 2.78	+12 6.4	1.891	2.471	21.2	21.4	115 E	57	52
2 5	4 6.95	+12 42.1	2.038	2.496	22.3	21.6	106 E	58	51*

69274 1989 UZ_1

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	4 8.76	+14 33.6	1.031	1.931	16.1	17.8	147 E	60	49
1 6	4 7.40	+14 1.8	1.136	1.969	20.1	18.2	137 E	59	50
1 16	4 9.55	+13 51.3	1.256	2.008	23.1	18.5	127 E	59	50
1 26	4 14.84	+13 57.2	1.389	2.046	25.1	18.8	118 E	59	50
2 5	4 22.76	+14 14.3	1.530	2.085	26.4	19.1	110 E	59	50
2 15	4 32.85	+14 38.3	1.678	2.123	27.0	19.4	102 E	60	49*
2 25	4 44.72	+15 5.4	1.831	2.161	27.1	19.6	95 E	60	48*
3 7	4 58.00	+15 32.4	1.986	2.199	26.8	19.8	89 E	60*	47*
3 17	5 12.42	+15 57.1	2.142	2.236	26.2	20.0	82 E	58*	45*
3 27	5 27.73	+16 17.5	2.297	2.273	25.2	20.1	76 E	55*	44*
4 6	5 43.73	+16 32.2	2.450	2.309	24.0	20.3	70 E	50*	42*
4 16	6 0.25	+16 40.2	2.599	2.345	22.7	20.4	64 E	44*	40*
4 26	6 17.14	+16 40.9	2.742	2.380	21.2	20.5	59 E	38*	39*
5 6	6 34.27	+16 33.8	2.880	2.414	19.5	20.6	53 E	32*	37*
5 16	6 51.54	+16 18.7	3.011	2.448	17.8	20.7	48 E	26*	34*
5 26	7 8.85	+15 55.5	3.133	2.480	16.0	20.7	42 E	19*	32*
6 5	7 26.11	+15 24.4	3.246	2.512	14.1	20.8	37 E	13*	28*
6 15	7 43.27	+14 45.6	3.349	2.543	12.2	20.8	32 E	8*	25*
6 25	8 0.26	+13 59.5	3.441	2.573	10.2	20.8	27 E	3*	20*
7 5	8 17.03	+13 6.5	3.521	2.602	8.2	20.8	22 E	—	15*
7 15	8 33.55	+12 7.1	3.589	2.630	6.3	20.8	16 E	—	10*
7 25	8 49.78	+11 1.8	3.644	2.657	4.5	20.7	12 E	—	5*
8 4	9 5.70	+ 9 51.3	3.685	2.684	2.9	20.7	8 E	—	—
8 14	9 21.27	+ 8 36.1	3.712	2.709	2.5	20.7	7 W	—	—
8 24	9 36.48	+ 7 16.8	3.725	2.733	3.5	20.8	9 W	—	3*
9 3	9 51.30	+ 5 54.2	3.724	2.756	5.1	20.9	14 W	3*	7*
9 13	10 5.71	+ 4 28.9	3.707	2.779	6.9	21.0	19 W	8*	11*
9 23	10 19.66	+ 3 1.5	3.675	2.800	8.8	21.1	25 W	14*	15*
10 3	10 33.13	+ 1 32.9	3.629	2.820	10.6	21.1	31 W	19*	19*
10 13	10 46.07	+ 0 3.8	3.569	2.839	12.3	21.2	37 W	24*	23*
10 23	10 58.40	− 1 25.0	3.494	2.858	13.9	21.2	44 W	29*	28*
11 2	11 10.06	− 2 52.7	3.406	2.875	15.4	21.2	50 W	33*	33*
11 12	11 20.93	− 4 18.4	3.306	2.891	16.7	21.2	57 W	36*	38*
11 22	11 30.90	− 5 41.0	3.195	2.906	17.8	21.2	64 W	38*	44*
12 2	11 39.83	− 6 59.4	3.074	2.920	18.7	21.1	72 W	38*	51*
12 12	11 47.51	− 8 12.4	2.947	2.933	19.3	21.1	80 W	37	58*
12 22	11 53.75	− 9 18.3	2.814	2.945	19.5	21.0	88 W	36	66*
1 1	11 58.32	−10 15.7	2.680	2.956	19.3	20.9	96 W	35	73*
1 11	12 0.95	−11 2.2	2.547	2.966	18.6	20.7	106 W	34	75
1 21	12 1.44	−11 35.6	2.420	2.975	17.4	20.6	115 W	33	76

252073 2000 SR_{236}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	4 8.85	+27 52.3	1.656	2.552	11.3	21.0	149 E	73	36
1 1	4 5.30	+27 36.4	1.703	2.562	13.2	21.2	144 E	73	36
1 6	4 2.59	+27 21.5	1.756	2.572	14.8	21.3	138 E	72	37
1 11	4 0.74	+27 7.9	1.813	2.582	16.3	21.4	133 E	72	37
1 16	3 59.74	+26 56.1	1.875	2.592	17.6	21.6	127 E	72	37

417966 2007 TX_{119}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	4 8.94	+25 16.1	1.309	2.212	13.1	20.7	149 E	70	39
1 6	4 3.73	+25 12.8	1.411	2.241	17.0	21.0	138 E	70	39
1 16	4 2.34	+25 14.1	1.531	2.270	20.1	21.3	128 E	70	39
1 26	4 4.52	+25 21.5	1.664	2.297	22.2	21.6	118 E	70	39
2 5	4 9.81	+25 34.5	1.807	2.325	23.6	21.8	109 E	71	38*

164714 1998 FN_{91}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 27	4 8.95	+36 39.8	0.900	1.811	16.6	18.9	148 E	82	27
1 1	4 3.98	+36 30.5	0.918	1.801	19.3	19.1	143 E	82	27
1 6	4 0.39	+36 18.6	0.940	1.792	21.8	19.2	137 E	81	28
1 11	3 58.26	+36 5.4	0.966	1.783	24.1	19.3	132 E	81	28
1 16	3 57.59	+35 52.2	0.995	1.773	26.2	19.4	127 E	81	28
1 21	3 58.36	+35 39.9	1.026	1.764	28.0	19.5	123 E	81	28
1 26	4 0.50	+35 29.0	1.060	1.755	29.6	19.6	118 E	80	29
1 31	4 3.90	+35 19.7	1.095	1.746	31.0	19.7	114 E	80	29
2 5	4 8.48	+35 11.9	1.131	1.737	32.2	19.8	110 E	80	29*
2 10	4 14.14	+35 5.5	1.168	1.728	33.2	19.9	106 E	80	29*
2 15	4 20.82	+35 0.3	1.206	1.719	34.1	20.0	103 E	80	29*
2 20	4 28.41	+34 55.9	1.245	1.711	34.8	20.1	99 E	80	29*
2 25	4 36.84	+34 51.8	1.283	1.703	35.3	20.1	96 E	80	28*
3 2	4 46.02	+34 47.4	1.322	1.695	35.7	20.2	93 E	80*	28*
3 7	4 55.89	+34 42.4	1.360	1.687	36.0	20.3	90 E	79*	28*
3 12	5 6.38	+34 36.2	1.398	1.679	36.2	20.3	87 E	77*	28*
3 17	5 17.43	+34 28.3	1.436	1.672	36.3	20.4	85 E	75*	28*
3 22	5 28.99	+34 18.3	1.474	1.665	36.4	20.4	82 E	73*	28*
3 27	5 40.99	+34 5.7	1.510	1.658	36.3	20.5	80 E	70*	28*
4 1	5 53.37	+33 50.2	1.547	1.652	36.2	20.5	78 E	68*	28*
4 6	6 6.08	+33 31.3	1.583	1.646	36.0	20.5	75 E	65*	28*
4 11	6 19.07	+33 8.9	1.618	1.640	35.8	20.6	73 E	63*	29*
4 16	6 32.30	+32 42.5	1.653	1.634	35.5	20.6	71 E	60*	29*
4 21	6 45.71	+32 12.0	1.687	1.629	35.2	20.6	69 E	58*	29*
4 26	6 59.26	+31 37.3	1.721	1.624	34.9	20.7	67 E	55*	30*
5 1	7 12.90	+30 58.3	1.754	1.620	34.5	20.7	65 E	53*	30*
5 6	7 26.59	+30 14.8	1.787	1.616	34.0	20.7	64 E	50*	31*
5 11	7 40.31	+29 26.9	1.819	1.612	33.6	20.7	62 E	47*	31*
5 16	7 54.02	+28 34.6	1.851	1.609	33.1	20.8	60 E	44*	32*
5 21	8 7.69	+27 37.9	1.882	1.606	32.5	20.8	59 E	42*	32*
5 26	8 21.29	+26 37.1	1.913	1.604	32.0	20.8	57 E	39*	33*
5 31	8 34.80	+25 32.3	1.943	1.602	31.4	20.8	55 E	36*	33*
6 5	8 48.21	+24 23.5	1.974	1.600	30.8	20.8	54 E	34*	33*
6 10	9 1.51	+23 11.1	2.003	1.599	30.2	20.8	52 E	31*	34*
6 15	9 14.70	+21 55.2	2.033	1.599	29.5	20.8	51 E	29*	34*
6 20	9 27.75	+20 36.2	2.062	1.599	28.8	20.9	49 E	26*	34*
6 25	9 40.67	+19 14.1	2.091	1.599	28.1	20.9	48 E	24*	34*
6 30	9 53.46	+17 49.5	2.120	1.599	27.4	20.9	46 E	22*	34*
7 5	10 6.13	+16 22.3	2.148	1.601	26.7	20.9	45 E	20*	34*
7 10	10 18.67	+14 53.0	2.177	1.602	26.0	20.9	44 E	18*	33*
7 15	10 31.11	+13 21.8	2.205	1.604	25.2	20.9	42 E	16*	33*
7 20	10 43.44	+11 49.0	2.232	1.606	24.4	20.9	41 E	15*	32*
7 25	10 55.67	+10 14.9	2.260	1.609	23.6	20.9	39 E	13*	31*
7 30	11 7.81	+ 8 39.8	2.287	1.612	22.8	20.9	38 E	12*	30*
8 4	11 19.89	+ 7 3.8	2.314	1.616	21.9	20.9	37 E	11*	29*
8 9	11 31.90	+ 5 27.3	2.341	1.620	21.1	20.9	35 E	10*	28*
8 14	11 43.87	+ 3 50.5	2.367	1.625	20.2	20.9	34 E	9*	27*
8 19	11 55.80	+ 2 13.7	2.393	1.629	19.4	20.9	32 E	8*	26*
8 24	12 7.71	+ 0 37.1	2.419	1.634	18.5	20.9	31 E	7*	25*
8 29	12 19.61	− 0 59.0	2.444	1.640	17.6	20.9	29 E	6*	23*
9 3	12 31.52	− 2 34.3	2.469	1.646	16.6	20.9	28 E	5*	22*
9 8	12 43.45	− 4 8.8	2.493	1.652	15.7	20.9	26 E	4*	20*
9 13	12 55.41	− 5 42.0	2.517	1.658	14.8	20.9	25 E	3*	19*
9 18	13 7.41	− 7 13.9	2.540	1.665	13.8	20.9	23 E	3*	17*
9 23	13 19.46	− 8 44.0	2.563	1.672	12.8	20.9	22 E	2*	16*
9 28	13 31.57	−10 12.3	2.584	1.680	11.9	20.9	20 E	1*	14*
10 3	13 43.77	−11 38.5	2.605	1.687	10.9	20.9	19 E	—	13*
10 8	13 56.05	−13 2.4	2.626	1.695	9.9	20.9	17 E	—	11*
10 13	14 8.43	−14 23.9	2.645	1.703	8.9	20.9	15 E	—	9*
10 18	14 20.90	−15 42.5	2.663	1.711	7.9	20.9	14 E	—	8*
10 23	14 33.47	−16 58.3	2.680	1.720	6.9	20.8	12 E	—	6*
10 28	14 46.16	−18 10.9	2.697	1.728	5.9	20.8	10 E	—	4*
11 2	14 58.96	−19 20.3	2.712	1.737	5.0	20.8	9 E	—	3*
11 7	15 11.87	−20 26.1	2.725	1.746	4.0	20.8	7 E	—	1*
11 12	15 24.89	−21 28.3	2.738	1.755	3.1	20.7	6 E	—	—
11 17	15 38.01	−22 26.7	2.749	1.764	2.3	20.7	4 E	—	—
11 22	15 51.23	−23 21.1	2.759	1.774	1.8	20.7	3 E	—	—
11 27	16 4.54	−24 11.5	2.767	1.783	1.9	20.7	3 W	—	—
12 2	16 17.94	−24 57.6	2.774	1.792	2.5	20.8	4 W	—	—
12 7	16 31.41	−25 39.5	2.779	1.802	3.3	20.8	6 W	—	—
12 12	16 44.93	−26 17.0	2.782	1.811	4.2	20.9	8 W	—	2*
12 17	16 58.49	−26 50.0	2.784	1.821	5.2	21.0	10 W	—	3*
12 22	17 12.07	−27 18.7	2.784	1.831	6.2	21.0	12 W	—	5*
12 27	17 25.66	−27 42.9	2.782	1.840	7.2	21.1	14 W	—	7*
1 1	17 39.22	−28 2.6	2.778	1.850	8.2	21.1	16 W	—	9*
1 6	17 52.75	−28 18.1	2.773	1.859	9.2	21.2	18 W	—	11*
1 11	18 6.22	−28 29.2	2.765	1.869	10.2	21.2	20 W	1*	14*
1 16	18 19.61	−28 36.1	2.756	1.879	11.2	21.3	22 W	1*	16*
1 21	18 32.89	−28 39.0	2.745	1.888	12.2	21.3	24 W	2*	18*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
249799 2000 YX_{81}									
	h m	° ′			°	m	°	°	°
12 27	4 9.49	+21 44.4	0.860	1.777	16.5	18.2	149 E	67	42
1 6	4 9.30	+21 20.6	0.942	1.802	21.1	18.6	139 E	66	43
1 16	4 13.04	+21 10.5	1.039	1.829	24.5	18.9	129 E	66	43
1 26	4 20.31	+21 12.3	1.149	1.857	27.0	19.3	121 E	66	43
2 5	4 30.53	+21 22.4	1.267	1.887	28.7	19.6	113 E	66	43
2 15	4 43.16	+21 37.0	1.393	1.917	29.7	19.8	106 E	67	42*
2 25	4 57.74	+21 53.0	1.525	1.947	30.1	20.1	99 E	67	42*
3 7	5 13.82	+22 7.2	1.661	1.979	30.1	20.3	93 E	67*	41*
3 17	5 31.08	+22 17.4	1.800	2.010	29.6	20.5	87 E	66*	40*
3 27	5 49.25	+22 21.7	1.940	2.042	28.9	20.7	81 E	62*	40*
4 6	6 8.04	+22 18.7	2.080	2.074	27.9	20.8	76 E	58*	39*
4 16	6 27.28	+22 7.6	2.219	2.106	26.7	21.0	70 E	53*	38*
4 26	6 46.80	+21 47.7	2.356	2.138	25.3	21.1	65 E	47*	38*
5 6	7 6.41	+21 18.9	2.489	2.170	23.8	21.2	60 E	41*	37*
5 16	7 26.04	+20 41.1	2.619	2.201	22.1	21.3	55 E	35*	36*
5 26	7 45.55	+19 54.6	2.743	2.232	20.4	21.3	50 E	28*	34*
6 5	8 4.88	+18 59.8	2.862	2.263	18.5	21.4	45 E	23*	32*
6 15	8 23.98	+17 57.2	2.973	2.293	16.6	21.5	40 E	17*	30*
6 25	8 42.78	+16 47.4	3.077	2.322	14.6	21.5	35 E	12*	27*
365937 2012 AB_1									
12 27	4 9.77	+12 44.6	0.746	1.658	19.1	18.0	147 E	58	51
1 1	4 7.65	+10 47.7	0.767	1.648	22.3	18.2	140 E	56	53
1 6	4 6.70	+ 9 4.0	0.791	1.639	25.3	18.3	135 E	54	55
1 11	4 6.92	+ 7 33.8	0.819	1.630	27.9	18.5	129 E	53	56
1 16	4 8.29	+ 6 17.1	0.851	1.622	30.1	18.6	124 E	51	58
1 21	4 10.76	+ 5 12.8	0.884	1.615	32.0	18.7	120 E	50	59
1 26	4 14.24	+ 4 19.9	0.919	1.608	33.6	18.9	115 E	49	60
1 31	4 18.66	+ 3 36.9	0.956	1.602	35.0	19.0	111 E	49	60
2 5	4 23.94	+ 3 2.7	0.993	1.597	36.1	19.1	108 E	48	61
2 10	4 30.02	+ 2 35.9	1.031	1.592	36.9	19.2	104 E	48	61*
2 15	4 36.82	+ 2 15.4	1.070	1.588	37.6	19.3	101 E	47	62*
2 20	4 44.30	+ 2 0.0	1.108	1.585	38.2	19.4	98 E	47	62*
2 25	4 52.39	+ 1 48.7	1.147	1.582	38.5	19.4	95 E	47	62*
3 2	5 1.02	+ 1 40.5	1.186	1.580	38.8	19.5	93 E	47	61*
3 7	5 10.16	+ 1 34.8	1.224	1.579	38.9	19.6	90 E	46*	61*
3 17	5 29.80	+ 1 27.6	1.300	1.579	38.9	19.7	86 E	45*	60*
3 27	5 51.00	+ 1 22.0	1.376	1.582	38.6	19.8	82 E	43*	60*
4 6	6 13.49	+ 1 14.1	1.450	1.588	38.1	19.9	78 E	40*	59*
4 16	6 37.04	+ 1 1.1	1.524	1.597	37.4	20.0	75 E	37*	59*
4 26	7 1.43	+ 0 40.6	1.598	1.609	36.6	20.1	72 E	33*	58*
5 6	7 26.43	+ 0 11.1	1.673	1.623	35.6	20.2	70 E	28*	57*
5 16	7 51.88	− 0 28.1	1.748	1.640	34.5	20.3	67 E	24*	57*
5 26	8 17.58	− 1 17.6	1.826	1.659	33.4	20.4	64 E	19*	56*
6 5	8 43.38	− 2 16.7	1.905	1.680	32.1	20.5	62 E	14*	54*
6 15	9 9.16	− 3 25.0	1.987	1.703	30.7	20.6	59 E	10*	53*
6 25	9 34.80	− 4 41.3	2.071	1.727	29.3	20.6	56 E	6*	50*
7 5	10 0.22	− 6 4.4	2.157	1.753	27.8	20.7	53 E	3*	47*
7 15	10 25.37	− 7 32.7	2.245	1.781	26.1	20.8	51 E	1*	44*
7 25	10 50.22	− 9 4.9	2.334	1.809	24.4	20.9	47 E	—	41*
8 4	11 14.76	−10 39.3	2.423	1.838	22.6	20.9	44 E	—	37*
8 14	11 39.01	−12 14.4	2.513	1.868	20.8	21.0	41 E	—	34*
8 24	12 2.98	−13 48.9	2.600	1.898	18.8	21.0	37 E	—	30*
9 3	12 26.70	−15 21.3	2.686	1.929	16.8	21.1	34 E	—	26*
9 13	12 50.20	−16 50.5	2.768	1.960	14.8	21.1	30 E	—	22*
9 23	13 13.51	−18 15.1	2.846	1.990	12.7	21.1	26 E	—	18*
10 3	13 36.65	−19 34.1	2.918	2.021	10.5	21.1	22 E	—	14*
10 13	13 59.64	−20 46.6	2.982	2.052	8.4	21.1	17 E	—	10*
10 23	14 22.47	−21 51.5	3.039	2.083	6.2	21.1	13 E	—	6*
11 2	14 45.14	−22 48.0	3.087	2.113	4.2	21.1	9 E	—	1*
11 12	15 7.63	−23 35.4	3.124	2.142	2.8	21.0	6 W	—	—
11 22	15 29.89	−24 13.0	3.151	2.171	2.8	21.1	6 W	—	—
12 2	15 51.87	−24 40.3	3.166	2.200	4.3	21.2	10 W	—	3*
12 12	16 13.50	−24 57.0	3.168	2.228	6.3	21.3	14 W	2*	7*
12 22	16 34.69	−25 2.7	3.158	2.255	8.4	21.4	20 W	5*	12*
482252 2011 NO_3									
12 27	4 10.11	+46 31.8	1.359	2.234	14.8	19.3	145 E	88	17
1 1	4 7.70	+44 58.9	1.404	2.256	15.9	19.5	141 E	90	19
1 6	4 6.46	+43 28.3	1.455	2.278	17.0	19.6	137 E	88	21
1 11	4 6.29	+42 1.4	1.512	2.300	18.2	19.7	133 E	87	22
1 16	4 7.12	+40 39.2	1.573	2.322	19.2	19.9	129 E	86	23
1 21	4 8.85	+39 22.3	1.639	2.344	20.2	20.0	125 E	84	25
1 26	4 11.38	+38 11.0	1.708	2.366	21.0	20.2	121 E	83	26
1 31	4 14.62	+37 5.3	1.782	2.387	21.7	20.3	116 E	82	27
2 5	4 18.48	+36 5.0	1.858	2.409	22.3	20.4	112 E	81	28
2 10	4 22.89	+35 9.8	1.936	2.431	22.7	20.5	108 E	80	29*
2 15	4 27.79	+34 19.4	2.017	2.453	23.0	20.7	104 E	79	30*
2 20	4 33.12	+33 33.3	2.100	2.474	23.2	20.8	100 E	79	30*
2 25	4 38.82	+32 51.1	2.184	2.496	23.2	20.9	96 E	78	30*
3 2	4 44.85	+32 12.4	2.269	2.517	23.2	21.0	93 E	77*	31*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
482252 2011 NO_3 *(continuation)*									
	h m	° ′			°	m	°	°	°
3 7	4 51.17	+31 36.6	2.355	2.538	23.0	21.1	89 E	75*	31*
3 12	4 57.73	+31 3.4	2.442	2.559	22.8	21.2	85 E	73*	31*
3 17	5 4.51	+30 32.4	2.528	2.580	22.4	21.2	82 E	70*	31*
3 22	5 11.49	+30 3.2	2.614	2.601	22.0	21.3	78 E	67*	31*
3 27	5 18.63	+29 35.4	2.700	2.622	21.5	21.4	75 E	64*	31*
4 1	5 25.90	+29 8.8	2.785	2.642	21.0	21.5	71 E	60*	30*
287646 2003 KD_7									
12 27	4 11.06	+ 8 18.3	1.536	2.408	13.6	21.4	145 E	53	56
1 6	4 5.97	+ 8 51.6	1.643	2.434	16.8	21.7	134 E	54	55
1 16	4 3.99	+ 9 35.9	1.767	2.460	19.3	22.0	124 E	55	54
1 26	4 5.01	+10 27.9	1.903	2.484	21.1	22.2	115 E	55	54
2 5	4 8.73	+11 24.6	2.049	2.508	22.2	22.4	106 E	56	53*
344146 2000 NP_{11}									
12 27	4 12.59	− 9 31.0	2.884	3.638	11.2	20.8	134 E	35	74
1 6	4 6.20	− 8 22.7	2.951	3.617	12.7	20.9	126 E	37	72
1 16	4 1.66	− 7 1.5	3.037	3.594	14.1	21.0	117 E	38	71
1 26	3 59.14	− 5 31.3	3.137	3.571	15.2	21.1	108 E	39	70
2 5	3 58.66	− 3 55.8	3.247	3.546	15.9	21.2	100 E	41	68*
2 15	4 0.12	− 2 18.0	3.363	3.521	16.3	21.2	91 E	43	64*
2 25	4 3.38	− 0 40.1	3.479	3.495	16.3	21.3	83 E	44*	59*
3 7	4 8.26	+ 0 55.9	3.594	3.468	16.0	21.3	75 E	43*	54*
3 17	4 14.60	+ 2 28.7	3.703	3.441	15.5	21.4	67 E	40*	49*
3 27	4 22.22	+ 3 57.4	3.804	3.412	14.6	21.4	60 E	35*	44*
4 6	4 30.96	+ 5 21.2	3.896	3.382	13.6	21.4	53 E	30*	40*
4 16	4 40.69	+ 6 39.6	3.975	3.352	12.4	21.4	46 E	24*	35*
4 26	4 51.28	+ 7 52.1	4.040	3.321	11.0	21.3	39 E	17*	30*
5 6	5 2.61	+ 8 58.4	4.092	3.289	9.5	21.3	33 E	11*	25*
5 16	5 14.60	+ 9 58.4	4.128	3.256	8.0	21.2	27 E	4*	20*
5 26	5 27.14	+10 51.9	4.147	3.222	6.5	21.1	21 E	—	15*
6 5	5 40.17	+11 38.8	4.151	3.187	5.0	21.0	16 E	—	9*
6 15	5 53.60	+12 19.1	4.138	3.151	3.8	20.9	12 E	—	3*
6 25	6 7.36	+12 52.8	4.108	3.115	3.5	20.9	11 W	—	—
7 5	6 21.39	+13 20.2	4.062	3.077	4.1	20.9	13 W	—	6*
7 15	6 35.63	+13 41.3	3.999	3.039	5.5	20.9	17 W	—	11*
7 25	6 50.00	+13 56.6	3.921	3.000	7.2	20.9	22 W	3*	15*
8 4	7 4.45	+14 6.5	3.827	2.960	9.0	20.9	27 W	10*	19*
8 14	7 18.93	+14 11.4	3.719	2.919	10.8	20.9	33 W	17*	22*
8 24	7 33.35	+14 12.2	3.597	2.877	12.7	20.8	39 W	23*	26*
9 3	7 47.67	+14 9.6	3.463	2.835	14.5	20.8	45 W	30*	28*
9 13	8 1.81	+14 4.7	3.317	2.791	16.2	20.7	51 W	36*	31*
9 23	8 15.68	+13 58.8	3.160	2.747	17.9	20.6	57 W	43*	34*
10 3	8 29.22	+13 53.6	2.994	2.703	19.4	20.5	64 W	48*	36*
10 13	8 42.31	+13 51.0	2.821	2.657	20.7	20.4	70 W	53*	39*
10 23	8 54.85	+13 53.4	2.643	2.611	21.8	20.3	77 W	57*	41*
11 2	9 6.70	+14 3.7	2.461	2.564	22.7	20.1	85 W	59*	44*
11 12	9 17.67	+14 25.7	2.277	2.517	23.1	19.9	92 W	59	46*
11 22	9 27.56	+15 3.7	2.096	2.469	23.2	19.7	100 W	60	47*
12 2	9 36.11	+16 2.8	1.918	2.421	22.7	19.4	109 W	61	48*
12 7	9 39.77	+16 42.1	1.832	2.396	22.2	19.3	113 W	62	47*
12 12	9 42.96	+17 29.0	1.749	2.372	21.6	19.1	118 W	62	47
12 17	9 45.64	+18 24.1	1.669	2.347	20.7	19.0	122 W	63	46
12 22	9 47.75	+19 28.2	1.592	2.323	19.7	18.8	127 W	64	45
12 27	9 49.22	+20 41.9	1.519	2.298	18.5	18.7	132 W	66	43
1 1	9 49.99	+22 5.6	1.450	2.274	17.0	18.5	137 W	67	42
1 6	9 50.01	+23 39.3	1.387	2.249	15.4	18.3	143 W	69	40
1 11	9 49.21	+25 22.9	1.330	2.224	13.7	18.1	148 W	70	39
1 16	9 47.58	+27 15.3	1.279	2.199	11.9	18.0	153 W	72	37
1 21	9 45.09	+29 15.1	1.235	2.175	10.3	17.8	157 W	74	35
173274 1999 SS_7									
12 27	4 14.53	+27 26.9	1.813	2.713	10.2	20.1	151 E	72	37
1 1	4 10.66	+27 17.7	1.862	2.725	12.0	20.3	145 E	72	37
1 6	4 7.57	+27 8.8	1.916	2.736	13.6	20.4	139 E	72	37
1 11	4 5.28	+27 0.8	1.976	2.747	15.0	20.5	134 E	72	37
1 16	4 3.79	+26 54.0	2.040	2.758	16.3	20.6	128 E	72	37
1 21	4 3.10	+26 48.7	2.107	2.769	17.4	20.7	123 E	72	37
1 26	4 3.18	+26 45.0	2.178	2.779	18.2	20.9	118 E	72	37
1 31	4 3.97	+26 42.8	2.252	2.789	19.0	21.0	113 E	72	37
2 5	4 5.44	+26 42.3	2.328	2.799	19.5	21.1	108 E	72	37*
2 10	4 7.54	+26 43.3	2.405	2.808	20.0	21.1	104 E	72	37*
2 15	4 10.23	+26 45.6	2.484	2.817	20.2	21.2	99 E	72	36*
2 20	4 13.47	+26 49.2	2.563	2.826	20.4	21.3	95 E	72	36*
2 25	4 17.21	+26 53.9	2.643	2.835	20.4	21.4	91 E	72*	35*
3 2	4 21.40	+26 59.5	2.722	2.844	20.4	21.5	87 E	71*	34*
303079 2004 AB									
12 27	4 15.61	+ 2 30.2	2.053	2.897	11.9	20.6	143 E	48	61
1 6	4 8.85	+ 2 31.6	2.100	2.855	14.8	20.7	132 E	48	61
1 16	4 4.44	+ 2 49.3	2.164	2.813	17.2	20.8	122 E	48	61
1 26	4 2.66	+ 3 20.8	2.243	2.769	19.2	20.9	112 E	48	61

303079 2004 *AB* (*continuation*)

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
2 5	4 3.50	+ 4 2.9	2.329	2.725	20.7	21.0	103 E	49	60*
2 15	4 6.86	+ 4 52.7	2.419	2.679	21.6	21.1	94 E	50	58*
2 25	4 12.57	+ 5 47.2	2.509	2.634	22.0	21.2	86 E	51*	55*
3 7	4 20.39	+ 6 44.0	2.596	2.587	22.1	21.2	78 E	49*	51*
3 17	4 30.13	+ 7 41.0	2.677	2.540	21.8	21.2	71 E	46*	48*
3 27	4 41.59	+ 8 36.3	2.751	2.492	21.2	21.2	65 E	42*	44*
4 6	4 54.60	+ 9 28.1	2.816	2.443	20.4	21.2	58 E	37*	41*
4 16	5 9.03	+10 14.9	2.872	2.394	19.4	21.2	52 E	31*	38*
4 26	5 24.74	+10 55.5	2.917	2.344	18.2	21.1	47 E	25*	35*
5 6	5 41.62	+11 28.5	2.952	2.295	16.9	21.1	41 E	19*	31*
5 16	5 59.58	+11 52.9	2.976	2.244	15.5	21.0	36 E	13*	28*
5 26	6 18.53	+12 7.5	2.989	2.194	14.1	20.9	32 E	8*	25*
6 5	6 38.40	+12 11.4	2.993	2.144	12.6	20.8	27 E	3*	21*
6 15	6 59.12	+12 3.9	2.988	2.094	11.1	20.7	23 E	—	17*
6 25	7 20.61	+11 44.3	2.973	2.044	9.6	20.5	20 E	—	13*
7 5	7 42.81	+11 12.1	2.951	1.994	8.1	20.4	16 E	—	9*
7 15	8 5.69	+10 26.9	2.922	1.946	6.8	20.3	13 E	—	5*
7 25	8 29.16	+ 9 28.8	2.887	1.898	5.7	20.1	11 E	—	1*
8 4	8 53.21	+ 8 17.8	2.847	1.852	4.9	20.0	9 W	—	—
8 14	9 17.81	+ 6 54.4	2.802	1.807	4.8	19.9	9 W	—	1*
8 24	9 42.94	+ 5 19.5	2.755	1.764	5.2	19.9	9 W	—	3*
9 3	10 8.59	+ 3 34.2	2.705	1.723	6.2	19.8	11 W	—	5*
9 13	10 34.78	+ 1 39.8	2.654	1.685	7.4	19.8	12 W	1*	6*
9 23	11 1.51	− 0 21.5	2.602	1.650	8.8	19.8	15 W	4*	7*
10 3	11 28.83	− 2 27.7	2.551	1.619	10.3	19.7	17 W	7*	8*
10 13	11 56.74	− 4 36.0	2.501	1.592	11.8	19.7	19 W	9*	10*
10 23	12 25.27	− 6 43.3	2.453	1.569	13.3	19.7	21 W	12*	11*
11 2	12 54.43	− 8 46.4	2.407	1.550	14.9	19.7	24 W	14*	12*
11 12	13 24.18	−10 41.9	2.363	1.537	16.5	19.7	26 W	16*	14*
11 22	13 54.46	−12 26.1	2.321	1.529	18.0	19.7	29 W	17*	15*
12 2	14 25.17	−13 55.7	2.282	1.527	19.5	19.7	31 W	19*	18*
12 12	14 56.13	−15 7.8	2.246	1.530	21.0	19.7	34 W	20*	20*
12 22	15 27.13	−15 59.7	2.211	1.538	22.4	19.7	37 W	21*	23*
1 1	15 57.92	−16 30.1	2.177	1.552	23.8	19.8	40 W	22*	27*
1 11	16 28.19	−16 37.9	2.145	1.571	25.1	19.8	43 W	22*	30*
1 21	16 57.65	−16 23.3	2.112	1.594	26.3	19.8	46 W	23*	34*

218597 2005 MY_{52}

12 27	4 15.82	+12 20.5	1.363	2.257	13.4	19.8	148 E	57	52
1 6	4 11.66	+12 30.2	1.473	2.292	17.0	20.1	137 E	58	51
1 16	4 10.75	+12 52.2	1.599	2.327	19.7	20.4	127 E	58	51
1 26	4 12.91	+13 23.7	1.739	2.362	21.7	20.7	118 E	58	51
2 5	4 17.77	+14 1.4	1.889	2.396	22.9	21.0	109 E	59	50
2 15	4 24.95	+14 42.7	2.046	2.429	23.6	21.2	101 E	60	49*
2 25	4 34.09	+15 24.9	2.206	2.462	23.7	21.4	93 E	60	47*

470976 2009 SU_{17}

12 27	4 15.96	+31 43.2	0.637	1.570	17.9	19.0	151 E	77	32
1 1	4 17.86	+30 58.0	0.672	1.587	20.1	19.2	146 E	76	33
1 6	4 20.74	+30 16.1	0.711	1.604	22.1	19.5	142 E	75	34
1 11	4 24.53	+29 37.9	0.753	1.623	24.0	19.7	138 E	75	34
1 16	4 29.17	+29 3.6	0.799	1.642	25.6	19.9	134 E	74	35
1 21	4 34.59	+28 33.1	0.848	1.661	27.0	20.1	130 E	74	35
1 26	4 40.70	+28 6.0	0.899	1.681	28.1	20.2	126 E	73	36
2 5	4 54.65	+27 20.4	1.011	1.723	29.9	20.6	119 E	72	37
2 15	5 10.45	+26 43.1	1.133	1.767	31.1	20.9	113 E	72	37
2 25	5 27.64	+26 10.5	1.263	1.811	31.6	21.2	106 E	71	38
3 7	5 45.80	+25 39.1	1.400	1.857	31.7	21.5	100 E	71	38*

184423 2005 NY_6

12 27	4 17.08	+28 31.0	1.462	2.371	11.5	20.0	151 E	74	35
1 1	4 13.80	+28 15.0	1.513	2.389	13.5	20.2	146 E	73	36
1 6	4 11.41	+27 59.9	1.569	2.407	15.2	20.3	140 E	73	36
1 11	4 9.93	+27 46.2	1.630	2.424	16.8	20.5	135 E	73	36
1 16	4 9.33	+27 34.2	1.696	2.442	18.1	20.6	129 E	73	36
1 21	4 9.59	+27 24.2	1.765	2.459	19.3	20.8	124 E	72	37
1 26	4 10.66	+27 16.1	1.837	2.476	20.2	20.9	120 E	72	37
1 31	4 12.47	+27 10.0	1.912	2.493	21.0	21.0	115 E	72	37
2 5	4 14.96	+27 5.7	1.989	2.510	21.6	21.1	110 E	72	37
2 10	4 18.09	+27 3.1	2.068	2.526	22.0	21.3	106 E	72	37*
2 15	4 21.80	+27 1.9	2.149	2.543	22.3	21.4	102 E	72	37*
2 20	4 26.04	+27 2.0	2.230	2.559	22.5	21.5	98 E	72	36*

306876 2001 *TE*

12 27	4 17.21	+35 49.9	1.089	2.002	14.2	18.5	150 E	81	28
1 1	4 14.41	+35 28.8	1.143	2.029	16.1	18.7	145 E	80	29
1 6	4 12.77	+35 7.5	1.203	2.056	17.9	18.9	140 E	80	29
1 11	4 12.26	+34 47.0	1.267	2.083	19.4	19.1	135 E	80	29
1 16	4 12.81	+34 27.7	1.334	2.110	20.8	19.3	130 E	79	30
1 21	4 14.33	+34 10.2	1.406	2.137	21.9	19.4	126 E	79	30
1 26	4 16.74	+33 54.5	1.480	2.163	22.8	19.6	121 E	79	30

306876 2001 *TE* (*continuation*)

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
1 31	4 19.95	+33 40.6	1.557	2.190	23.6	19.8	117 E	79	30
2 5	4 23.86	+33 28.5	1.636	2.216	24.2	19.9	113 E	78	31
2 10	4 28.40	+33 18.0	1.717	2.242	24.6	20.1	109 E	78	31*
2 15	4 33.51	+33 8.9	1.800	2.268	24.9	20.2	105 E	78	31*
2 25	4 45.18	+32 54.0	1.970	2.320	25.0	20.5	98 E	78	31*
3 7	4 58.41	+32 41.7	2.143	2.370	24.8	20.7	91 E	77*	30*
3 17	5 12.85	+32 30.3	2.317	2.419	24.1	20.9	84 E	73*	30*
3 27	5 28.22	+32 18.2	2.490	2.468	23.2	21.0	77 E	67*	29*
4 6	5 44.26	+32 4.1	2.661	2.515	22.1	21.2	71 E	61*	28*
4 16	6 0.79	+31 46.8	2.828	2.561	20.7	21.3	65 E	54*	27*
4 26	6 17.66	+31 25.6	2.988	2.607	19.2	21.4	58 E	48*	26*

282347 2003 AZ_{22}

12 27	4 18.39	+47 22.3	1.706	2.576	12.5	19.6	145 E	88	17
1 1	4 12.99	+46 24.7	1.718	2.561	13.8	19.6	141 E	89	18
1 6	4 8.64	+45 23.6	1.736	2.546	15.2	19.7	137 E	90	19
1 11	4 5.39	+44 20.7	1.759	2.531	16.6	19.7	133 E	89	20
1 16	4 3.26	+43 17.4	1.787	2.516	17.9	19.8	128 E	88	21
1 21	4 2.23	+42 14.9	1.820	2.500	19.2	19.9	123 E	87	22
1 26	4 2.26	+41 14.3	1.856	2.485	20.3	19.9	119 E	86	23
1 31	4 3.28	+40 16.0	1.895	2.469	21.3	20.0	114 E	85	24
2 5	4 5.21	+39 20.8	1.937	2.453	22.2	20.1	110 E	84	25*
2 10	4 8.00	+38 28.6	1.980	2.437	23.0	20.1	105 E	83	25*
2 15	4 11.58	+37 39.7	2.026	2.420	23.6	20.2	101 E	83	26*
2 20	4 15.89	+36 54.0	2.072	2.404	24.1	20.2	97 E	82	26*
2 25	4 20.85	+36 11.4	2.119	2.387	24.5	20.3	93 E	81*	26*
3 7	4 32.50	+34 54.1	2.214	2.354	24.9	20.3	86 E	76*	27*
3 17	4 46.16	+33 45.2	2.307	2.320	24.8	20.4	78 E	70*	27*
3 27	5 1.48	+32 42.0	2.396	2.286	24.5	20.4	72 E	63*	26*
4 6	5 18.16	+31 41.4	2.480	2.251	23.8	20.5	65 E	56*	26*
4 16	5 35.99	+30 40.9	2.557	2.216	22.9	20.5	59 E	49*	26*
4 26	5 54.75	+29 38.0	2.626	2.181	21.7	20.4	53 E	43*	25*
5 6	6 14.25	+28 30.5	2.687	2.146	20.4	20.4	48 E	36*	24*
5 16	6 34.37	+27 16.5	2.739	2.111	19.0	20.4	43 E	30*	23*
5 26	6 54.94	+25 54.6	2.782	2.076	17.4	20.3	38 E	23*	22*
6 5	7 15.86	+24 23.5	2.816	2.042	15.7	20.3	33 E	18*	20*
6 15	7 37.04	+22 42.3	2.842	2.008	14.0	20.2	28 E	12*	18*
6 25	7 58.38	+20 50.3	2.858	1.974	12.1	20.1	24 E	8*	16*
7 5	8 19.84	+18 47.1	2.866	1.941	10.3	20.0	20 E	3*	13*
7 15	8 41.39	+16 32.2	2.865	1.909	8.4	19.9	16 E	—	10*
7 25	9 2.99	+14 5.9	2.858	1.878	6.6	19.8	12 E	—	6*
8 4	9 24.65	+11 28.2	2.844	1.848	5.0	19.6	9 E	—	3*
8 14	9 46.41	+ 8 39.5	2.823	1.820	3.6	19.5	7 E	—	—
8 24	10 8.28	+ 5 40.3	2.797	1.794	3.1	19.4	6 W	—	—
9 3	10 30.34	+ 2 31.6	2.767	1.769	3.8	19.4	7 W	—	—
9 13	10 52.67	− 0 45.7	2.733	1.746	5.2	19.4	9 W	—	3*
9 23	11 15.35	− 4 10.2	2.696	1.726	6.8	19.4	12 W	—	6*
10 3	11 38.49	− 7 40.2	2.657	1.708	8.6	19.5	15 W	1*	8*
10 13	12 2.22	−11 13.7	2.617	1.693	10.3	19.5	18 W	4*	11*
10 23	12 26.66	−14 48.2	2.576	1.681	12.0	19.5	21 W	5*	14*
11 2	12 51.95	−18 20.9	2.535	1.671	13.6	19.5	23 W	7*	16*
11 12	13 18.21	−21 48.7	2.495	1.665	15.2	19.5	26 W	8*	19*
11 22	13 45.56	−25 7.7	2.455	1.662	16.7	19.5	29 W	8*	22*
11 27	13 59.67	−26 42.8	2.436	1.662	17.5	19.6	30 W	8*	24*
12 2	14 14.08	−28 14.4	2.417	1.662	18.2	19.6	32 W	8*	25*
12 7	14 28.79	−29 41.9	2.398	1.663	18.9	19.6	33 W	7*	27*
12 12	14 43.78	−31 4.8	2.379	1.665	19.6	19.6	35 W	7*	28*
12 17	14 59.05	−32 22.6	2.360	1.668	20.3	19.6	36 W	6*	30*
12 22	15 14.58	−33 35.1	2.341	1.672	21.0	19.6	37 W	6*	31*
12 27	15 30.35	−34 41.7	2.323	1.676	21.6	19.6	39 W	5*	33*
1 1	15 46.33	−35 42.1	2.304	1.681	22.3	19.6	40 W	5*	34*
1 6	16 2.46	−36 36.1	2.285	1.687	22.9	19.6	42 W	4*	36*
1 11	16 18.71	−37 23.3	2.266	1.694	23.6	19.6	44 W	4*	38*
1 16	16 35.01	−38 3.7	2.247	1.701	24.2	19.6	45 W	3*	39*
1 21	16 51.31	−38 37.3	2.227	1.709	24.8	19.6	47 W	3*	41*

11466 Katharinaotto

12 27	4 18.79	+27 1.4	1.447	2.359	11.4	18.5	152 E	72	37
1 1	4 15.50	+26 34.4	1.498	2.376	13.4	18.6	146 E	72	37
1 6	4 13.11	+26 9.3	1.553	2.393	15.2	18.8	140 E	71	38
1 11	4 11.61	+25 46.7	1.614	2.410	16.8	18.9	135 E	71	38
1 16	4 11.00	+25 26.8	1.678	2.427	18.2	19.1	130 E	70	39
1 26	4 12.25	+24 55.5	1.818	2.459	20.4	19.4	120 E	70	39
2 5	4 16.44	+24 34.8	1.969	2.491	21.8	19.6	110 E	70	39
2 15	4 23.13	+24 23.0	2.127	2.522	22.5	19.8	102 E	69	39*
2 25	4 31.89	+24 17.8	2.290	2.552	22.8	20.0	94 E	69	39*
3 7	4 42.35	+24 16.9	2.453	2.581	22.6	20.2	86 E	68*	37*
3 17	4 54.21	+24 18.3	2.615	2.609	22.0	20.3	79 E	64*	36*
3 27	5 7.19	+24 20.0	2.773	2.637	21.1	20.5	72 E	58*	34*

11466 Katharinaotto *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 6	5 21.06	+24 20.4	2.927	2.663	19.9	20.6	65 E	52*	33*
4 16	5 35.65	+24 18.1	3.073	2.689	18.6	20.6	59 E	45*	31*
4 26	5 50.79	+24 12.2	3.211	2.713	17.0	20.7	52 E	39*	29*
5 6	6 6.33	+24 1.9	3.339	2.737	15.4	20.8	46 E	32*	27*
5 16	6 22.17	+23 46.5	3.456	2.759	13.6	20.8	40 E	25*	24*
5 26	6 38.18	+23 25.6	3.561	2.781	11.8	20.8	34 E	19*	21*
6 5	6 54.28	+22 59.0	3.654	2.801	9.9	20.8	28 E	13*	18*
6 15	7 10.39	+22 26.6	3.733	2.821	7.9	20.8	22 E	8*	14*
6 25	7 26.42	+21 48.4	3.799	2.839	5.9	20.7	17 E	3*	9*
7 5	7 42.31	+21 4.7	3.849	2.857	3.8	20.7	11 E	—	4*
7 15	7 58.01	+20 15.6	3.884	2.873	1.8	20.6	5 E	—	—
7 25	8 13.46	+19 21.5	3.904	2.889	0.3	20.4	1 W	—	—
8 4	8 28.61	+18 22.9	3.909	2.903	2.3	20.6	7 W	—	—
8 14	8 43.42	+17 20.1	3.897	2.917	4.3	20.8	13 W	4*	4*
8 24	8 57.84	+16 13.7	3.870	2.929	6.3	20.9	19 W	10*	8*
9 3	9 11.83	+15 4.4	3.827	2.941	8.2	20.9	25 W	16*	11*
9 13	9 25.33	+13 52.8	3.769	2.951	10.1	21.0	31 W	22*	15*
9 23	9 38.28	+12 39.7	3.696	2.960	11.8	21.0	37 W	28*	19*
10 3	9 50.63	+11 25.8	3.609	2.968	13.5	21.0	44 W	34*	23*
10 13	10 2.29	+10 12.0	3.508	2.976	15.0	21.0	51 W	39*	27*
10 23	10 13.15	+ 8 59.3	3.395	2.982	16.4	21.0	58 W	44*	31*
11 2	10 23.12	+ 7 48.7	3.271	2.987	17.5	21.0	65 W	48*	36*
11 12	10 32.03	+ 6 41.4	3.139	2.991	18.4	20.9	72 W	50*	41*
11 22	10 39.73	+ 5 38.8	2.999	2.994	19.0	20.8	80 W	51*	47*
12 2	10 46.01	+ 4 42.3	2.854	2.996	19.2	20.7	89 W	50	53*
12 12	10 50.65	+ 3 53.6	2.708	2.997	19.0	20.6	97 W	49	57*
12 22	10 53.39	+ 3 14.4	2.564	2.997	18.3	20.5	107 W	48	61*
1 1	10 54.02	+ 2 46.6	2.426	2.996	17.1	20.3	116 W	48	61
1 11	10 52.31	+ 2 31.8	2.299	2.994	15.2	20.1	127 W	48	61
1 21	10 48.19	+ 2 31.5	2.187	2.991	12.7	19.9	138 W	48	61

264275 1996 YF_1

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	4 18.94	+23 17.6	0.810	1.738	15.7	18.7	151 E	68	41
1 1	4 13.80	+23 49.0	0.815	1.717	19.0	18.8	145 E	69	40
1 6	4 9.78	+24 21.0	0.824	1.696	22.2	18.9	139 E	69	40
1 11	4 7.02	+24 53.7	0.837	1.675	25.1	19.0	134 E	70	39
1 16	4 5.63	+25 27.5	0.853	1.655	27.8	19.1	128 E	70	39
1 26	4 7.13	+26 38.1	0.892	1.615	32.3	19.3	119 E	72	37
2 5	4 14.17	+27 52.1	0.936	1.579	35.8	19.4	110 E	73	36*
2 15	4 26.37	+29 6.7	0.984	1.545	38.5	19.5	103 E	74	35*
2 25	4 43.28	+30 17.9	1.032	1.514	40.5	19.7	97 E	75	33*
3 7	5 4.35	+31 20.7	1.080	1.488	41.8	19.8	92 E	76*	32*
3 17	5 29.09	+32 9.3	1.127	1.465	42.7	19.8	87 E	74*	31*
3 22	5 42.67	+32 26.5	1.150	1.455	43.0	19.9	85 E	73*	30*
3 27	5 56.95	+32 38.0	1.173	1.447	43.2	19.9	83 E	72*	30*
4 1	6 11.85	+32 43.2	1.196	1.440	43.3	20.0	81 E	70*	30*
4 6	6 27.28	+32 41.6	1.219	1.434	43.4	20.0	80 E	68*	30*
4 11	6 43.16	+32 32.6	1.242	1.430	43.3	20.0	78 E	67*	30*
4 16	6 59.40	+32 15.8	1.266	1.427	43.3	20.1	77 E	65*	31*
4 21	7 15.91	+31 51.1	1.290	1.425	43.1	20.1	76 E	63*	31*
4 26	7 32.59	+31 18.3	1.314	1.424	42.9	20.1	74 E	61*	32*
5 1	7 49.34	+30 37.4	1.339	1.425	42.6	20.2	73 E	59*	33*
5 6	8 6.09	+29 48.6	1.364	1.428	42.3	20.2	72 E	57*	33*
5 11	8 22.77	+28 52.1	1.391	1.431	41.9	20.2	71 E	54*	34*
5 16	8 39.31	+27 48.3	1.418	1.436	41.5	20.3	70 E	52*	35*
5 21	8 55.66	+26 37.7	1.447	1.443	41.0	20.3	69 E	50*	36*
5 26	9 11.76	+25 20.9	1.477	1.450	40.5	20.3	68 E	47*	38*
5 31	9 27.58	+23 58.5	1.508	1.459	39.9	20.4	67 E	45*	39*
6 5	9 43.10	+22 31.1	1.541	1.469	39.3	20.4	67 E	42*	40*
6 10	9 58.32	+20 59.4	1.575	1.480	38.7	20.5	66 E	40*	41*
6 15	10 13.22	+19 24.1	1.610	1.492	38.0	20.5	65 E	37*	42*
6 20	10 27.81	+17 45.9	1.647	1.505	37.3	20.6	64 E	35*	43*
6 25	10 42.08	+16 5.4	1.686	1.520	36.5	20.6	63 E	33*	44*
6 30	10 56.05	+14 23.4	1.726	1.535	35.7	20.7	62 E	31*	45*
7 5	11 9.74	+12 40.3	1.768	1.551	34.9	20.7	61 E	29*	46*
7 10	11 23.15	+10 56.7	1.811	1.568	34.1	20.8	60 E	27*	46*
7 15	11 36.32	+ 9 13.0	1.855	1.585	33.2	20.8	59 E	25*	46*
7 20	11 49.26	+ 7 29.9	1.901	1.604	32.3	20.9	58 E	23*	47*
7 25	12 1.98	+ 5 47.6	1.948	1.622	31.4	20.9	56 E	22*	46*
7 30	12 14.51	+ 4 6.6	1.996	1.642	30.5	21.0	55 E	20*	46*
8 4	12 26.86	+ 2 27.1	2.046	1.662	29.5	21.0	54 E	19*	45*
8 9	12 39.06	+ 0 49.4	2.096	1.682	28.5	21.1	52 E	18*	45*
8 14	12 51.12	− 0 46.2	2.147	1.703	27.5	21.1	51 E	17*	44*
8 19	13 3.06	− 2 19.4	2.199	1.725	26.5	21.2	50 E	16*	43*
8 24	13 14.89	− 3 50.2	2.251	1.746	25.5	21.2	48 E	15*	41*
8 29	13 26.63	− 5 18.3	2.304	1.768	24.5	21.3	47 E	14*	40*
9 3	13 38.29	− 6 43.6	2.358	1.790	23.4	21.3	45 E	13*	38*
9 8	13 49.89	− 8 5.9	2.411	1.813	22.4	21.4	43 E	12*	37*
9 13	14 1.44	− 9 25.3	2.464	1.836	21.3	21.4	41 E	12*	35*
9 18	14 12.93	−10 41.6	2.517	1.858	20.2	21.5	40 E	11*	33*
9 23	14 24.39	−11 54.6	2.570	1.881	19.1	21.5	38 E	10*	32*

482575 2012 WY_{32}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	4 18.98	+27 55.7	1.294	2.209	12.2	19.2	152 E	73	36
1 1	4 16.54	+27 13.0	1.346	2.230	14.2	19.4	146 E	72	37
1 6	4 15.03	+26 33.7	1.403	2.252	16.0	19.6	141 E	72	37
1 11	4 14.42	+25 58.2	1.465	2.273	17.7	19.7	135 E	71	38
1 16	4 14.68	+25 26.7	1.531	2.294	19.1	19.9	130 E	70	39
1 26	4 17.60	+24 35.7	1.674	2.337	21.2	20.2	121 E	70	39
2 5	4 23.30	+23 58.7	1.829	2.379	22.6	20.5	112 E	69	40
2 15	4 31.30	+23 33.2	1.991	2.421	23.4	20.7	104 E	69	40*
2 25	4 41.18	+23 16.0	2.159	2.462	23.6	20.9	96 E	68	40*
3 7	4 52.57	+23 4.2	2.329	2.503	23.3	21.1	88 E	67*	39*
3 17	5 5.16	+22 55.3	2.500	2.543	22.7	21.3	81 E	64*	38*
3 27	5 18.70	+22 47.2	2.668	2.582	21.8	21.4	74 E	59*	37*

152942 2000 FN_{10}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	4 19.33	+61 16.7	1.873	2.674	14.7	21.0	136 E	74	3
1 1	4 9.54	+60 38.6	1.886	2.662	15.5	21.1	134 E	74	3
1 6	4 1.31	+59 53.2	1.904	2.650	16.4	21.1	131 E	75	4
1 11	3 54.75	+59 2.6	1.926	2.638	17.3	21.1	127 E	76	5
1 16	3 49.88	+58 8.7	1.953	2.625	18.3	21.2	123 E	77	6
1 21	3 46.65	+57 13.3	1.984	2.612	19.2	21.2	119 E	78	7
1 26	3 44.96	+56 18.0	2.018	2.598	20.0	21.3	115 E	79	8
1 31	3 44.66	+55 23.8	2.055	2.584	20.8	21.3	111 E	80	9*
2 5	3 45.65	+54 31.5	2.094	2.569	21.5	21.4	108 E	80	9*
2 10	3 47.80	+53 41.6	2.135	2.554	22.1	21.4	104 E	81	10*
2 15	3 51.01	+52 54.5	2.177	2.538	22.6	21.5	100 E	82	10*

301925 1999 XZ_{69}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	4 19.90	+20 21.2	1.695	2.600	10.5	19.6	151 E	65	44
1 1	4 15.14	+20 25.8	1.708	2.577	12.6	19.7	145 E	65	44
1 6	4 11.04	+20 31.6	1.728	2.553	14.6	19.7	139 E	66	43
1 11	4 7.67	+20 38.7	1.752	2.529	16.5	19.8	133 E	66	43
1 16	4 5.12	+20 47.3	1.781	2.505	18.1	19.9	128 E	66	43
1 26	4 2.54	+21 9.8	1.849	2.456	21.0	20.0	117 E	66	43
2 5	4 3.33	+21 39.1	1.926	2.406	23.1	20.1	107 E	67	42*
2 15	4 7.33	+22 14.6	2.008	2.356	24.5	20.2	98 E	67	41*
2 25	4 14.31	+22 55.1	2.091	2.305	25.4	20.3	89 E	68*	39*
3 7	4 23.97	+23 38.6	2.171	2.254	25.8	20.3	82 E	66*	36*
3 17	4 36.07	+24 23.3	2.246	2.202	25.8	20.3	75 E	61*	34*
3 27	4 50.39	+25 7.1	2.314	2.150	25.5	20.4	68 E	56*	32*
4 6	5 6.70	+25 47.5	2.374	2.098	24.9	20.3	62 E	50*	30*
4 16	5 24.88	+26 22.5	2.426	2.046	24.1	20.3	56 E	45*	28*
4 26	5 44.75	+26 49.9	2.468	1.994	23.1	20.3	51 E	39*	26*
5 6	6 6.17	+27 7.3	2.501	1.942	22.0	20.2	46 E	34*	24*
5 16	6 29.03	+27 12.8	2.525	1.892	20.8	20.1	42 E	29*	23*
5 26	6 53.16	+27 4.1	2.541	1.842	19.5	20.0	37 E	24*	21*
6 5	7 18.40	+26 39.5	2.550	1.793	18.2	19.9	33 E	20*	19*
6 15	7 44.61	+25 57.4	2.551	1.746	16.9	19.8	30 E	16*	18*
6 25	8 11.61	+24 56.4	2.547	1.701	15.5	19.7	27 E	13*	16*
7 5	8 39.22	+23 35.7	2.539	1.658	14.3	19.6	24 E	10*	14*
7 15	9 7.30	+21 54.9	2.526	1.619	13.0	19.5	21 E	8*	12*
7 25	9 35.70	+19 54.4	2.512	1.582	11.8	19.4	19 E	6*	10*
8 4	10 4.30	+17 34.9	2.498	1.550	10.6	19.3	16 E	5*	8*
8 14	10 33.02	+14 57.9	2.483	1.522	9.4	19.2	14 E	4*	6*
8 24	11 1.80	+12 5.7	2.470	1.499	8.3	19.1	12 E	3*	5*
9 3	11 30.61	+ 9 1.1	2.460	1.481	7.3	19.0	11 E	2*	3*
9 13	11 59.47	+ 5 47.3	2.454	1.469	6.2	19.0	9 E	2*	1*
9 23	12 28.39	+ 2 28.2	2.451	1.462	5.2	18.9	8 E	1*	—
10 3	12 57.40	− 0 52.1	2.453	1.462	4.2	18.9	6 E	—	—
10 13	13 26.55	− 4 9.4	2.460	1.468	3.4	18.8	5 E	—	—
10 23	13 55.83	− 7 19.6	2.470	1.480	2.9	18.8	4 E	—	—
11 2	14 25.27	−10 18.8	2.485	1.497	2.9	18.9	4 W	—	—
11 12	14 54.84	−13 3.5	2.502	1.520	3.6	18.9	6 W	—	—
11 22	15 24.47	−15 30.8	2.522	1.548	4.8	19.1	8 W	1*	—
12 2	15 54.07	−17 38.8	2.542	1.580	6.2	19.2	10 W	3*	—
12 12	16 23.51	−19 26.1	2.562	1.616	7.7	19.3	13 W	5*	3*
12 22	16 52.61	−20 52.0	2.580	1.656	9.3	19.5	16 W	6*	7*
1 1	17 21.20	−21 57.0	2.595	1.698	11.0	19.6	19 W	7*	11*
1 11	17 49.11	−22 42.0	2.606	1.743	12.7	19.7	23 W	8*	15*
1 21	18 16.15	−23 8.5	2.612	1.790	14.4	19.9	27 W	8*	19*

185716 1998 SF_{35}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	4 20.49	−52 25.3	0.608	1.240	51.4	19.2	100 E	—	64
1 1	4 18.55	−53 24.9	0.632	1.234	52.2	19.3	97 E	—	63
1 6	4 17.91	−54 3.9	0.655	1.229	52.8	19.4	95 E	—	62
1 11	4 18.64	−54 25.5	0.675	1.226	53.2	19.4	93 E	—	62
1 16	4 20.78	−54 32.4	0.693	1.224	53.4	19.5	92 E	—	61
1 21	4 24.37	−54 26.8	0.708	1.224	53.5	19.5	91 E	—	62
1 26	4 29.37	−54 10.1	0.720	1.224	53.5	19.6	90 E	—	62
1 31	4 35.73	−53 43.4	0.730	1.227	53.4	19.6	90 E	—	62
2 5	4 43.41	−53 7.1	0.737	1.230	53.3	19.6	90 E	—	63

185716 1998 *SF*$_{35}$ *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
2 10	4 52.39	−52 21.3	0.742	1.235	53.0	19.7	90 E	—	64
2 15	5 2.64	−51 25.7	0.744	1.241	52.7	19.7	90 E	—	65
2 20	5 14.11	−50 20.4	0.745	1.248	52.4	19.7	91 E	—	66
2 25	5 26.75	−49 4.8	0.744	1.257	51.9	19.7	92 E	—	67
3 2	5 40.46	−47 38.3	0.741	1.266	51.4	19.7	93 E	—	68
3 7	5 55.17	−46 0.0	0.738	1.277	50.8	19.7	94 E	—	70
3 12	6 10.79	−44 9.4	0.735	1.288	50.2	19.6	95 E	1	72
3 17	6 27.22	−42 6.0	0.733	1.301	49.4	19.6	97 E	3	74
3 22	6 44.32	−39 50.2	0.731	1.314	48.7	19.6	98 E	5	76
3 27	7 1.95	−37 22.7	0.732	1.329	47.8	19.6	99 E	8*	79
4 1	7 19.93	−34 44.6	0.735	1.344	47.0	19.6	100 E	10*	81
4 6	7 38.10	−31 57.8	0.741	1.359	46.2	19.7	102 E	13*	84
4 11	7 56.32	−29 5.2	0.752	1.376	45.4	19.7	102 E	16*	87
4 16	8 14.46	−26 10.0	0.766	1.392	44.6	19.8	103 E	18*	90
4 21	8 32.40	−23 16.0	0.786	1.409	44.0	19.8	103 E	21*	87
4 26	8 50.00	−20 26.7	0.810	1.427	43.4	19.9	103 E	23*	84
5 1	9 7.19	−17 45.2	0.840	1.445	42.9	20.0	103 E	26*	82
5 6	9 23.91	−15 13.9	0.874	1.463	42.5	20.1	102 E	27*	79
5 11	9 40.13	−12 54.8	0.913	1.482	42.1	20.2	101 E	29*	77
5 16	9 55.85	−10 49.0	0.957	1.500	41.7	20.3	99 E	30*	75
5 26	10 25.72	− 7 19.1	1.055	1.538	40.9	20.6	96 E	31*	71
6 5	10 53.61	− 4 41.8	1.167	1.576	40.1	20.8	92 E	31*	69
6 15	11 19.77	− 2 50.8	1.288	1.613	39.0	21.0	88 E	31*	67
6 25	11 44.45	− 1 38.3	1.416	1.650	37.7	21.3	84 E	29*	65*
7 5	12 7.88	− 0 56.4	1.549	1.687	36.3	21.5	79 E	28*	64*

354374 2003 *RR*$_{8}$

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	4 21.96	+26 28.4	1.109	2.032	13.0	19.5	152 E	71	38
1 6	4 19.20	+25 16.9	1.220	2.082	17.1	19.9	142 E	70	39
1 16	4 20.10	+24 21.7	1.349	2.132	20.2	20.3	132 E	69	40
1 26	4 24.27	+23 42.3	1.492	2.182	22.4	20.6	122 E	69	40
2 5	4 31.16	+23 16.1	1.647	2.232	23.9	20.9	114 E	68	41
2 15	4 40.27	+22 59.8	1.810	2.282	24.7	21.2	105 E	68	41*
2 25	4 51.18	+22 50.1	1.980	2.331	24.9	21.5	98 E	68	41*

205498 2001 *RX*$_{8}$

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	4 23.10	+23 52.5	1.342	2.260	11.6	20.5	152 E	69	40
1 6	4 16.28	+23 55.5	1.450	2.298	15.7	20.9	141 E	69	40
1 16	4 13.28	+24 2.0	1.577	2.334	18.9	21.2	130 E	69	40
1 26	4 13.88	+24 13.4	1.719	2.369	21.1	21.5	120 E	69	40
2 5	4 17.65	+24 29.6	1.871	2.403	22.6	21.7	111 E	69	40

52310 1991 *VJ*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	4 23.37	+27 10.9	1.377	2.295	11.4	18.2	153 E	72	37
1 1	4 18.61	+27 41.2	1.429	2.314	13.5	18.4	147 E	73	36
1 6	4 14.83	+28 8.9	1.488	2.334	15.5	18.6	141 E	73	36
1 11	4 12.08	+28 34.4	1.551	2.353	17.1	18.7	135 E	74	35
1 16	4 10.33	+28 58.2	1.618	2.372	18.6	18.9	130 E	74	35
1 26	4 9.74	+29 42.7	1.764	2.409	20.8	19.2	120 E	75	34
2 5	4 12.61	+30 24.5	1.921	2.445	22.2	19.4	110 E	75	34*
2 15	4 18.47	+31 4.7	2.084	2.481	22.9	19.7	102 E	76	33*
2 25	4 26.83	+31 43.5	2.251	2.516	23.1	19.9	94 E	77*	31*
3 7	4 37.26	+32 20.3	2.419	2.551	22.8	20.0	86 E	75*	29*
3 17	4 49.41	+32 54.6	2.585	2.584	22.2	20.2	79 E	70*	28*
3 27	5 2.97	+33 25.7	2.747	2.616	21.3	20.3	72 E	64*	26*
4 6	5 17.67	+33 52.6	2.903	2.648	20.1	20.4	65 E	57*	24*
4 16	5 33.31	+34 14.8	3.052	2.679	18.7	20.5	59 E	51*	22*
4 26	5 49.69	+34 31.7	3.193	2.708	17.3	20.6	53 E	45*	20*
5 6	6 6.64	+34 42.8	3.323	2.737	15.6	20.7	47 E	38*	18*
5 16	6 24.04	+34 47.9	3.443	2.765	14.0	20.7	41 E	32*	16*
5 26	6 41.73	+34 46.9	3.550	2.792	12.2	20.7	36 E	27*	14*
6 5	6 59.61	+34 39.7	3.646	2.818	10.5	20.7	30 E	22*	11*
6 15	7 17.57	+34 26.6	3.727	2.843	8.8	20.7	25 E	17*	8*
6 25	7 35.52	+34 7.8	3.795	2.867	7.2	20.7	21 E	13*	4*
7 5	7 53.37	+33 43.8	3.849	2.889	5.8	20.7	17 E	10*	—
7 15	8 11.06	+33 15.2	3.888	2.911	4.8	20.7	14 E	8*	—
7 25	8 28.53	+32 42.5	3.912	2.932	4.6	20.7	13 E	6*	—
8 4	8 45.72	+32 6.6	3.921	2.952	5.1	20.7	15 W	7*	—
8 14	9 2.59	+31 28.3	3.914	2.971	6.2	20.8	18 W	12*	—
8 24	9 19.08	+30 48.7	3.893	2.989	7.6	20.9	23 W	17*	—
9 3	9 35.17	+30 8.7	3.857	3.006	9.1	20.9	28 W	22*	—
9 13	9 50.82	+29 29.7	3.806	3.021	10.7	21.0	34 W	28*	2*
9 23	10 5.97	+28 52.8	3.741	3.036	12.2	21.0	40 W	33*	5*
10 3	10 20.57	+28 19.4	3.663	3.050	13.6	21.0	46 W	40*	7*
10 13	10 34.58	+27 51.1	3.573	3.063	14.9	21.0	52 W	46*	10*
10 23	10 47.89	+27 29.6	3.472	3.075	16.1	21.0	59 W	53*	13*
11 2	11 0.43	+27 16.5	3.361	3.085	17.0	21.0	66 W	59*	17*
11 12	11 12.07	+27 13.8	3.242	3.095	17.8	20.9	73 W	65*	20*
11 22	11 22.66	+27 23.3	3.117	3.104	18.3	20.9	80 W	70*	24*
12 2	11 32.01	+27 46.7	2.989	3.111	18.5	20.8	88 W	73*	27*

52310 1991 *VJ* *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 12	11 39.90	+28 25.8	2.860	3.118	18.3	20.7	96 W	73	30*
12 22	11 46.06	+29 21.5	2.734	3.124	17.8	20.6	104 W	74	32*
1 1	11 50.18	+30 33.9	2.615	3.128	16.9	20.5	113 W	76	33*
1 11	11 51.95	+32 1.9	2.507	3.132	15.6	20.3	121 W	77	32
1 21	11 51.08	+33 42.0	2.413	3.134	14.0	20.2	130 W	79	30

328979 2010 *VB*$_{200}$

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	4 23.39	+12 56.1	1.142	2.052	14.0	20.0	150 E	58	51
1 6	4 18.90	+13 40.2	1.237	2.082	18.0	20.4	139 E	59	50
1 16	4 18.03	+14 31.9	1.349	2.112	21.2	20.7	129 E	60	49
1 26	4 20.62	+15 28.5	1.475	2.142	23.5	21.0	120 E	60	49
2 5	4 26.25	+16 27.1	1.610	2.172	25.0	21.3	111 E	61	48

32910 1994 *TE*$_{15}$

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	4 23.60	+15 54.9	1.108	2.024	13.7	17.5	151 E	61	48
1 6	4 19.45	+15 45.0	1.203	2.055	18.0	17.9	140 E	61	48
1 16	4 18.99	+15 49.4	1.315	2.085	21.3	18.2	130 E	61	48
1 26	4 21.99	+16 5.5	1.441	2.116	23.7	18.5	120 E	61	48
2 5	4 27.99	+16 29.9	1.576	2.146	25.3	18.8	112 E	61	48
2 15	4 36.53	+16 59.1	1.719	2.176	26.2	19.1	104 E	62	47*
2 25	4 47.17	+17 30.3	1.866	2.206	26.5	19.3	96 E	63	46*
3 7	4 59.53	+18 0.7	2.015	2.235	26.4	19.5	89 E	63*	44*
3 17	5 13.27	+18 28.4	2.165	2.263	25.8	19.6	83 E	61*	43*
3 27	5 28.14	+18 51.5	2.314	2.291	25.0	19.8	76 E	57*	41*
4 6	5 43.88	+19 8.8	2.459	2.318	23.9	19.9	70 E	52*	40*
4 16	6 0.30	+19 19.2	2.601	2.345	22.7	20.0	64 E	46*	38*
4 26	6 17.25	+19 22.1	2.737	2.371	21.2	20.1	58 E	40*	36*
5 6	6 34.55	+19 17.0	2.867	2.396	19.6	20.2	53 E	34*	35*
5 16	6 52.11	+19 3.6	2.989	2.421	17.9	20.2	47 E	28*	32*
5 26	7 9.79	+18 41.9	3.102	2.445	16.1	20.3	42 E	21*	30*
6 5	7 27.51	+18 12.1	3.206	2.468	14.2	20.3	37 E	15*	27*
6 15	7 45.19	+17 34.2	3.300	2.490	12.3	20.3	31 E	10*	23*
6 25	8 2.76	+16 48.7	3.383	2.511	10.3	20.3	26 E	5*	19*
7 5	8 20.17	+15 56.0	3.455	2.531	8.3	20.3	21 E	1*	15*
7 15	8 37.38	+14 56.6	3.514	2.551	6.2	20.2	16 E	—	10*
7 25	8 54.34	+13 51.1	3.560	2.569	4.2	20.2	11 E	—	5*
8 4	9 11.03	+12 40.1	3.594	2.587	2.3	20.1	6 E	—	—
8 14	9 27.43	+11 24.3	3.614	2.604	1.3	20.1	3 W	—	—
8 24	9 43.50	+10 4.3	3.620	2.619	2.7	20.2	7 W	—	1*
9 3	9 59.24	+ 8 40.9	3.612	2.634	4.6	20.3	12 W	3*	4*
9 13	10 14.63	+ 7 14.8	3.590	2.648	6.6	20.4	18 W	8*	8*
9 23	10 29.64	+ 5 46.7	3.554	2.661	8.5	20.5	23 W	14*	12*
10 3	10 44.25	+ 4 17.6	3.504	2.673	10.5	20.5	29 W	19*	15*
10 13	10 58.41	+ 2 48.2	3.439	2.684	12.3	20.6	35 W	25*	19*
10 23	11 12.08	+ 1 19.4	3.362	2.694	14.1	20.6	41 W	29*	23*
11 2	11 25.20	− 0 8.0	3.272	2.703	15.7	20.6	48 W	34*	28*
11 12	11 37.68	− 1 32.8	3.169	2.710	17.2	20.6	54 W	37*	33*
11 22	11 49.43	− 2 54.1	3.057	2.717	18.5	20.5	61 W	39*	39*
12 2	12 0.32	− 4 10.7	2.934	2.723	19.6	20.5	68 W	40*	45*
12 12	12 10.18	− 5 21.3	2.804	2.728	20.4	20.4	75 W	40	52*
12 22	12 18.81	− 6 24.6	2.668	2.732	20.9	20.3	83 W	39	60*
1 1	12 25.99	− 7 19.1	2.529	2.735	21.1	20.2	91 W	38	67*
1 11	12 31.45	− 8 2.8	2.389	2.737	20.7	20.1	100 W	37	72*
1 21	12 34.91	− 8 34.0	2.253	2.738	19.8	19.9	109 W	36	73

236393 2006 *DH*$_{37}$

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	4 25.85	+39 51.8	1.880	2.777	10.1	20.0	150 E	85	24
1 1	4 21.63	+39 23.6	1.930	2.796	11.5	20.2	145 E	84	25
1 6	4 18.27	+38 54.2	1.986	2.815	12.8	20.3	141 E	84	25
1 11	4 15.79	+38 24.6	2.047	2.834	14.1	20.4	136 E	83	26
1 16	4 14.20	+37 55.6	2.113	2.853	15.2	20.5	131 E	83	26
1 21	4 13.46	+37 27.7	2.183	2.871	16.2	20.7	126 E	82	27
1 26	4 13.53	+37 1.4	2.257	2.889	17.0	20.8	121 E	82	27
1 31	4 14.37	+36 37.0	2.334	2.907	17.7	20.9	116 E	82	27
2 5	4 15.91	+36 14.6	2.414	2.925	18.3	21.0	112 E	81	28
2 10	4 18.11	+35 54.2	2.496	2.943	18.7	21.1	107 E	81	28*
2 15	4 20.91	+35 35.9	2.580	2.960	19.0	21.2	103 E	81	28*
2 20	4 24.26	+35 19.5	2.665	2.977	19.2	21.3	99 E	80	28*
2 25	4 28.11	+35 4.9	2.751	2.994	19.2	21.4	94 E	80*	28*
3 2	4 32.41	+34 52.0	2.837	3.011	19.2	21.4	90 E	79*	27*

368481 2003 *SG*$_{291}$

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	4 28.64	+14 20.4	1.607	2.515	10.8	20.6	151 E	59	50
1 6	4 22.23	+14 11.6	1.706	2.539	14.4	20.9	140 E	59	50
1 16	4 18.86	+14 14.4	1.825	2.563	17.3	21.2	129 E	59	50
1 26	4 18.52	+14 27.4	1.960	2.586	19.4	21.4	119 E	59	50
2 5	4 20.97	+14 48.3	2.105	2.608	20.8	21.6	110 E	60	49

134928 2001 *AG*$_{2}$

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	4 29.10	+22 49.6	1.119	2.048	12.3	19.0	154 E	68	41
1 6	4 24.03	+22 50.1	1.211	2.079	16.8	19.4	142 E	68	41
1 16	4 22.83	+22 56.1	1.322	2.110	20.3	19.7	132 E	68	41
1 26	4 25.31	+23 7.9	1.446	2.141	22.9	20.0	122 E	68	41

134928 2001 AG_2 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
2 5	4 31.02	+23 24.6	1.581	2.172	24.6	20.3	114 E	68	41
2 15	4 39.44	+23 44.4	1.724	2.203	25.6	20.6	105 E	69	40*
2 25	4 50.14	+24 5.4	1.873	2.234	26.0	20.8	98 E	69	39*
3 7	5 2.66	+24 25.5	2.024	2.264	26.0	21.0	91 E	69*	38*
3 17	5 16.66	+24 43.0	2.176	2.294	25.5	21.2	84 E	67*	37*
3 27	5 31.84	+24 56.3	2.327	2.323	24.8	21.3	77 E	62*	36*
4 6	5 47.93	+25 4.3	2.476	2.352	23.7	21.4	71 E	57*	35*

223178 2003 AA_4

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	4 29.21	−15 32.6	0.963	1.779	24.2	18.0	132 E	29	80
1 1	4 26.36	−15 43.7	0.977	1.765	25.9	18.1	128 E	29	80
1 6	4 24.38	−15 41.7	0.993	1.751	27.5	18.1	125 E	29	80
1 11	4 23.36	−15 27.7	1.012	1.738	29.0	18.2	121 E	30	79
1 16	4 23.36	−15 3.2	1.032	1.725	30.4	18.3	118 E	30	79
1 21	4 24.38	−14 29.6	1.054	1.712	31.6	18.3	114 E	31	78
1 26	4 26.43	−13 48.3	1.078	1.700	32.7	18.4	111 E	31	78
1 31	4 29.47	−13 0.7	1.101	1.689	33.7	18.5	108 E	32	77
2 5	4 33.46	−12 7.9	1.126	1.679	34.5	18.5	105 E	33	76
2 10	4 38.37	−11 11.0	1.151	1.669	35.3	18.6	102 E	34	75
2 15	4 44.14	−10 10.9	1.177	1.660	35.9	18.6	100 E	35	74*
2 20	4 50.74	− 9 8.6	1.203	1.652	36.4	18.7	97 E	36	73*
2 25	4 58.10	− 8 5.0	1.229	1.644	36.9	18.7	95 E	37	71*
3 2	5 6.18	− 7 0.7	1.256	1.637	37.2	18.8	93 E	38	70*
3 7	5 14.93	− 5 56.4	1.282	1.631	37.5	18.8	91 E	39*	69*
3 12	5 24.30	− 4 52.7	1.309	1.626	37.7	18.9	89 E	40*	67*
3 17	5 34.25	− 3 50.1	1.337	1.622	37.8	18.9	87 E	40*	66*
3 27	5 55.75	− 1 51.0	1.393	1.616	37.8	19.0	83 E	41*	63*
4 6	6 19.03	− 0 2.9	1.452	1.613	37.6	19.1	80 E	40*	61*
4 16	6 43.81	+ 1 31.1	1.514	1.615	37.2	19.1	77 E	38*	59*
4 26	7 9.72	+ 2 48.2	1.580	1.619	36.6	19.2	74 E	36*	57*
5 6	7 36.43	+ 3 46.8	1.650	1.627	35.9	19.3	71 E	33*	56*
5 16	8 3.64	+ 4 25.9	1.724	1.639	34.9	19.4	68 E	29*	54*
5 26	8 31.04	+ 4 45.5	1.803	1.654	33.7	19.5	65 E	26*	53*
6 5	8 58.37	+ 4 46.5	1.887	1.671	32.4	19.6	62 E	22*	51*
6 15	9 25.44	+ 4 30.1	1.974	1.692	31.0	19.6	59 E	19*	50*
6 25	9 52.09	+ 3 58.3	2.065	1.715	29.4	19.7	56 E	15*	48*
7 5	10 18.21	+ 3 13.4	2.159	1.741	27.7	19.8	53 E	13*	45*
7 15	10 43.77	+ 2 17.5	2.255	1.769	25.8	19.9	49 E	11*	43*
7 25	11 8.73	+ 1 13.0	2.351	1.798	23.9	20.0	46 E	9*	39*
8 4	11 33.12	+ 0 2.1	2.447	1.829	21.9	20.0	42 E	8*	36*
8 14	11 56.97	− 1 13.0	2.542	1.862	19.9	20.1	39 E	7*	33*
8 24	12 20.33	− 2 30.4	2.635	1.896	17.8	20.1	35 E	7*	29*
9 3	12 43.26	− 3 48.3	2.724	1.931	15.6	20.2	31 E	6*	25*
9 13	13 5.81	− 5 5.0	2.809	1.966	13.4	20.2	27 E	6*	21*
9 23	13 28.03	− 6 18.9	2.888	2.002	11.3	20.2	23 E	5*	17*
10 3	13 49.96	− 7 28.7	2.960	2.039	9.1	20.2	19 E	4*	12*
10 13	14 11.64	− 8 33.1	3.025	2.076	7.0	20.2	15 E	4*	8*
10 23	14 33.07	− 9 30.9	3.082	2.113	5.1	20.2	11 E	3*	3*
11 2	14 54.26	−10 21.0	3.129	2.150	3.5	20.2	8 E	1*	—
11 12	15 15.21	−11 2.5	3.167	2.187	3.1	20.2	7 E	—	—
11 22	15 35.87	−11 34.5	3.193	2.224	4.0	20.3	9 W	2*	—
12 2	15 56.22	−11 56.3	3.209	2.260	5.7	20.5	13 W	7*	—
12 12	16 16.18	−12 7.4	3.213	2.296	7.6	20.6	18 W	12*	1*
12 22	16 35.69	−12 7.4	3.205	2.332	9.5	20.7	23 W	15*	6*
1 1	16 54.68	−11 56.0	3.186	2.367	11.4	20.8	28 W	19*	12*
1 11	17 13.03	−11 33.2	3.154	2.402	13.2	20.9	34 W	22*	18*
1 21	17 30.65	−10 59.0	3.111	2.436	14.9	20.9	40 W	24*	25*

25362 1999 TH_{24}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	4 29.31	−20 38.5	0.834	1.635	28.3	16.6	128 E	24	85
1 1	4 27.66	−20 14.1	0.846	1.625	29.6	16.7	125 E	25	84
1 6	4 26.94	−19 35.4	0.859	1.616	30.9	16.7	122 E	25	84
1 11	4 27.21	−18 44.1	0.875	1.608	32.1	16.8	120 E	26	83
1 16	4 28.53	−17 41.8	0.892	1.601	33.2	16.9	117 E	27	82
1 21	4 30.90	−16 30.2	0.910	1.594	34.2	16.9	115 E	28	81
1 26	4 34.30	−15 11.1	0.930	1.588	35.1	17.0	112 E	30	79
1 31	4 38.69	−13 46.1	0.951	1.583	35.9	17.1	110 E	31	78
2 5	4 44.02	−12 16.6	0.973	1.579	36.5	17.1	107 E	33	76
2 10	4 50.24	−10 43.7	0.997	1.576	37.1	17.2	105 E	34	75
2 15	4 57.30	− 9 8.8	1.021	1.574	37.7	17.2	103 E	36	73
2 20	5 5.16	− 7 33.0	1.047	1.573	38.1	17.3	101 E	37	72
2 25	5 13.74	− 5 57.4	1.074	1.573	38.4	17.4	99 E	39	70*
3 2	5 22.98	− 4 23.0	1.103	1.573	38.7	17.4	97 E	41	68*
3 7	5 32.83	− 2 50.7	1.132	1.575	38.8	17.5	95 E	42	67*
3 12	5 43.24	− 1 21.1	1.163	1.578	38.9	17.6	94 E	44*	65*
3 17	5 54.17	+ 0 4.8	1.196	1.581	39.0	17.6	92 E	45*	63*
3 27	6 17.33	+ 2 43.3	1.266	1.591	38.8	17.8	88 E	46*	61*
4 6	6 41.88	+ 5 0.4	1.341	1.604	38.4	17.9	85 E	47*	58*
4 16	7 7.44	+ 6 53.5	1.424	1.620	37.8	18.0	82 E	46*	56*
4 26	7 33.65	+ 8 20.8	1.512	1.639	37.0	18.2	78 E	44*	54*
5 6	8 0.12	+ 9 22.2	1.605	1.662	35.9	18.3	75 E	41*	53*

25362 1999 TH_{24} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
5 16	8 26.60	+ 9 58.6	1.704	1.686	34.7	18.4	72 E	37*	52*
5 26	8 52.84	+10 11.8	1.808	1.714	33.3	18.5	68 E	33*	51*
6 5	9 18.64	+10 4.0	1.914	1.743	31.8	18.7	65 E	29*	50*
6 15	9 43.91	+ 9 37.8	2.024	1.774	30.1	18.8	61 E	25*	48*
6 25	10 8.55	+ 8 56.0	2.135	1.806	28.4	18.9	58 E	22*	46*
7 5	10 32.55	+ 8 1.4	2.246	1.840	26.5	19.0	54 E	19*	44*
7 15	10 55.92	+ 6 56.3	2.357	1.875	24.6	19.1	50 E	16*	42*
7 25	11 18.69	+ 5 43.3	2.466	1.911	22.6	19.1	46 E	14*	39*
8 4	11 40.91	+ 4 24.6	2.573	1.947	20.6	19.2	42 E	13*	35*
8 14	12 2.64	+ 3 2.0	2.676	1.984	18.5	19.3	38 E	11*	32*
8 24	12 23.95	+ 1 37.5	2.775	2.021	16.4	19.3	34 E	10*	28*
9 3	12 44.89	+ 0 12.7	2.868	2.059	14.2	19.4	30 E	9*	23*
9 13	13 5.52	− 1 11.0	2.954	2.096	12.1	19.4	26 E	8*	19*
9 23	13 25.88	− 2 32.1	3.033	2.133	10.0	19.4	22 E	7*	15*
10 3	13 46.02	− 3 49.3	3.103	2.170	8.0	19.4	18 E	6*	10*
10 13	14 5.97	− 5 1.6	3.164	2.207	6.1	19.4	14 E	5*	5*
10 23	14 25.72	− 6 7.7	3.215	2.243	4.5	19.4	10 E	4*	—
11 2	14 45.30	− 7 6.7	3.255	2.279	3.7	19.4	9 E	2*	—
11 12	15 4.68	− 7 57.7	3.284	2.314	4.1	19.5	10 W	2*	—
11 22	15 23.83	− 8 39.7	3.301	2.349	5.4	19.6	13 W	7*	—
12 2	15 42.71	− 9 12.3	3.306	2.383	7.1	19.7	17 W	11*	—
12 12	16 1.27	− 9 34.7	3.298	2.416	8.9	19.8	22 W	16*	3*
12 22	16 19.41	− 9 46.4	3.277	2.449	10.7	19.9	28 W	20*	9*
1 1	16 37.07	− 9 47.2	3.245	2.481	12.5	20.0	33 W	23*	15*
1 11	16 54.14	− 9 37.0	3.199	2.512	14.2	20.0	39 W	26*	22*
1 21	17 10.50	− 9 15.6	3.143	2.542	15.8	20.1	45 W	28*	29*

470990 2009 SU_{108}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	4 31.40	+34 54.0	1.409	2.329	11.0	20.6	153 E	80	29
1 1	4 27.46	+34 14.5	1.458	2.349	12.9	20.7	148 E	79	30
1 6	4 24.52	+33 35.7	1.512	2.370	14.6	20.9	143 E	79	30
1 11	4 22.56	+32 58.5	1.572	2.390	16.2	21.0	137 E	78	31
1 16	4 21.58	+32 23.4	1.636	2.411	17.6	21.2	132 E	77	32
1 21	4 21.52	+31 51.1	1.704	2.430	18.8	21.3	127 E	77	32
1 26	4 22.33	+31 21.6	1.776	2.450	19.8	21.5	123 E	76	33

159608 2002 AC_2

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	4 31.56	−36 45.1	1.059	1.717	31.4	19.1	114 E	8	79
1 1	4 22.43	−32 33.4	1.081	1.739	30.9	19.2	115 E	12	83
1 6	4 15.30	−28 17.5	1.111	1.761	30.6	19.3	114 E	17	88
1 11	4 9.98	−24 3.4	1.149	1.783	30.4	19.4	113 E	21	88
1 16	4 6.26	−19 55.8	1.195	1.805	30.5	19.5	111 E	25	84
1 21	4 3.97	−15 58.5	1.248	1.826	30.6	19.6	109 E	29	80
1 26	4 2.92	−12 13.8	1.307	1.846	30.8	19.7	107 E	33	76
1 31	4 2.94	− 8 43.1	1.371	1.866	30.9	19.9	104 E	36	73
2 5	4 3.90	− 5 26.7	1.440	1.886	31.0	20.0	100 E	40	69*
2 15	4 8.20	+ 0 24.4	1.590	1.923	30.8	20.3	94 E	45	62*
2 25	4 15.10	+ 5 24.5	1.750	1.959	30.3	20.5	87 E	50*	55*
3 7	4 24.04	+ 9 41.0	1.915	1.993	29.3	20.7	80 E	53*	49*
3 17	4 34.63	+13 21.2	2.081	2.025	28.0	20.9	73 E	52*	44*
3 27	4 46.60	+16 31.2	2.244	2.055	26.4	21.0	66 E	49*	39*
4 6	4 59.71	+19 16.1	2.401	2.083	24.5	21.1	60 E	45*	34*
4 16	5 13.81	+21 39.7	2.549	2.109	22.4	21.2	53 E	40*	30*
4 26	5 28.76	+23 45.3	2.686	2.133	20.2	21.3	47 E	35*	26*
5 6	5 44.46	+25 35.3	2.810	2.155	17.9	21.3	41 E	29*	22*
5 16	6 0.83	+27 11.5	2.921	2.175	15.6	21.4	35 E	24*	18*
5 26	6 17.79	+28 35.6	3.015	2.193	13.2	21.4	30 E	19*	14*
6 5	6 35.30	+29 48.9	3.094	2.209	10.9	21.4	24 E	15*	10*
6 15	6 53.30	+30 52.5	3.156	2.223	8.7	21.3	19 E	11*	6*
6 25	7 11.75	+31 47.5	3.200	2.235	6.8	21.3	15 E	8*	1*
7 5	7 30.63	+32 34.7	3.227	2.244	5.6	21.2	12 E	6*	—
7 15	7 49.91	+33 15.2	3.236	2.252	5.4	21.3	12 E	5*	—
7 25	8 9.56	+33 50.0	3.228	2.258	6.3	21.3	14 W	6*	—
8 4	8 29.60	+34 19.8	3.204	2.261	8.0	21.4	18 W	11*	—
8 14	8 50.03	+34 45.9	3.164	2.263	9.9	21.4	23 W	16*	—
8 24	9 10.84	+35 9.3	3.109	2.262	12.0	21.5	28 W	21*	—
9 3	9 32.08	+35 31.2	3.041	2.260	14.0	21.5	33 W	26*	—
9 13	9 53.79	+35 53.0	2.960	2.256	16.0	21.5	38 W	31*	—
9 23	10 16.01	+36 16.2	2.869	2.249	17.9	21.5	43 W	36*	—
10 3	10 38.82	+36 42.2	2.769	2.240	19.7	21.5	49 W	41*	—
10 13	11 2.29	+37 12.7	2.662	2.230	21.3	21.4	54 W	46*	—
10 23	11 26.51	+37 49.5	2.550	2.217	22.7	21.3	59 W	51*	1*
11 2	11 51.59	+38 34.1	2.437	2.203	24.0	21.3	65 W	57*	1*
11 12	12 17.61	+39 28.2	2.324	2.186	25.1	21.2	70 W	62*	2*
11 22	12 44.66	+40 32.7	2.215	2.167	26.0	21.1	74 W	66*	2*
12 2	13 12.82	+41 48.4	2.111	2.146	26.8	21.0	79 W	71*	3*
12 12	13 42.08	+43 15.4	2.015	2.124	27.4	20.9	82 W	75*	4*
12 22	14 12.36	+44 52.6	1.928	2.099	27.9	20.8	86 W	78*	4*
1 1	14 43.51	+46 38.4	1.852	2.072	28.3	20.7	88 W	80*	5*
1 11	15 15.21	+48 30.7	1.788	2.043	28.8	20.6	90 W	81*	5*
1 21	15 47.03	+50 26.7	1.735	2.012	29.3	20.5	91 W	80*	5*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
				335016 2004 KJ_6					
	h m	° ′			°	m	°	°	°
12 27	4 31.65	+23 37.0	1.446	2.371	10.3	19.7	154 E	69	40
1 6	4 25.04	+23 49.5	1.551	2.408	14.3	20.1	143 E	69	40
1 16	4 21.86	+24 3.5	1.676	2.444	17.4	20.4	132 E	69	40
1 26	4 22.06	+24 20.6	1.816	2.480	19.7	20.7	122 E	69	40
2 5	4 25.31	+24 40.7	1.969	2.516	21.2	20.9	112 E	70	39
2 15	4 31.20	+25 3.2	2.129	2.551	22.1	21.1	104 E	70	39*
2 25	4 39.32	+25 27.0	2.295	2.585	22.4	21.3	96 E	70	38*
				96562 1998 SZ_{138}					
12 27	4 31.80	+18 0.4	1.747	2.663	9.5	19.8	153 E	63	46
1 6	4 24.22	+17 40.9	1.838	2.678	13.2	20.0	141 E	63	46
1 16	4 19.60	+17 30.6	1.949	2.691	16.2	20.3	130 E	63	46
1 26	4 18.02	+17 29.5	2.076	2.703	18.5	20.5	120 E	62	47
2 5	4 19.30	+17 36.7	2.215	2.714	20.0	20.7	110 E	63	46
2 15	4 23.14	+17 50.5	2.361	2.723	20.9	20.9	101 E	63	46*
2 25	4 29.23	+18 9.0	2.510	2.732	21.2	21.0	92 E	63*	44*
3 7	4 37.23	+18 30.3	2.658	2.739	21.1	21.1	84 E	62*	42*
3 17	4 46.85	+18 52.6	2.803	2.745	20.6	21.3	76 E	58*	40*
3 27	4 57.85	+19 14.2	2.943	2.750	19.8	21.3	69 E	53*	38*
4 6	5 9.99	+19 33.7	3.076	2.754	18.7	21.4	62 E	47*	35*
4 16	5 23.09	+19 50.0	3.199	2.757	17.4	21.4	55 E	40*	33*
4 26	5 36.99	+20 2.1	3.312	2.758	16.0	21.5	49 E	34*	30*
5 6	5 51.54	+20 9.0	3.413	2.758	14.4	21.5	43 E	27*	27*
5 16	6 6.62	+20 10.1	3.502	2.757	12.6	21.5	37 E	20*	24*
5 26	6 22.11	+20 5.0	3.578	2.755	10.8	21.4	31 E	14*	21*
6 5	6 37.91	+19 53.2	3.640	2.752	8.9	21.4	25 E	8*	17*
6 15	6 53.95	+19 34.6	3.687	2.748	7.0	21.3	19 E	3*	12*
6 25	7 10.12	+19 8.9	3.720	2.742	5.0	21.3	14 E	—	7*
7 5	7 26.37	+18 36.3	3.738	2.735	3.0	21.2	8 E	—	2*
7 15	7 42.63	+17 56.7	3.741	2.727	1.4	21.0	4 E	—	—
7 25	7 58.84	+17 10.3	3.729	2.718	1.9	21.1	5 W	—	—
8 4	8 14.93	+16 17.6	3.702	2.708	3.7	21.2	10 W	—	3*
8 14	8 30.88	+15 18.7	3.661	2.697	5.7	21.2	15 W	5*	7*
8 24	8 46.62	+14 14.1	3.605	2.684	7.7	21.3	21 W	11*	11*
9 3	9 2.12	+13 4.3	3.535	2.670	9.7	21.3	27 W	16*	14*
9 13	9 17.33	+11 49.9	3.451	2.655	11.7	21.3	32 W	22*	18*
9 23	9 32.19	+10 31.5	3.355	2.639	13.6	21.3	38 W	27*	21*
10 3	9 46.68	+ 9 9.8	3.247	2.622	15.4	21.3	44 W	33*	25*
10 13	10 0.71	+ 7 45.6	3.128	2.604	17.1	21.3	50 W	37*	29*
10 23	10 14.22	+ 6 19.8	2.998	2.584	18.7	21.2	56 W	42*	33*
11 2	10 27.12	+ 4 53.4	2.859	2.564	20.2	21.1	63 W	45*	37*
11 12	10 39.31	+ 3 27.4	2.713	2.542	21.4	21.0	70 W	47*	42*
11 22	10 50.64	+ 2 3.3	2.561	2.519	22.4	20.9	76 W	47*	48*
12 2	11 0.96	+ 0 42.2	2.405	2.495	23.1	20.8	84 W	46	53*
12 12	11 10.03	− 0 33.9	2.246	2.470	23.5	20.6	91 W	44	59*
12 22	11 17.59	− 1 43.1	2.088	2.444	23.4	20.4	99 W	43	64*
1 1	11 23.36	− 2 43.0	1.932	2.417	22.8	20.2	107 W	42	67
1 11	11 26.94	− 3 30.8	1.783	2.389	21.6	20.0	116 W	41	68
1 21	11 27.98	− 4 3.2	1.642	2.360	19.7	19.7	126 W	41	68
				23606 1996 AS_1					
12 27	4 31.98	+36 21.5	1.265	2.186	11.9	20.9	153 E	81	28
1 1	4 26.40	+35 20.9	1.306	2.199	13.9	21.1	147 E	80	29
1 6	4 22.05	+34 21.4	1.353	2.212	15.9	21.2	142 E	79	30
1 11	4 18.92	+33 24.3	1.405	2.225	17.7	21.4	137 E	78	31
1 16	4 16.99	+32 30.8	1.461	2.237	19.3	21.5	131 E	78	31
				202435 2005 XH_8					
12 27	4 32.39	+26 8.0	0.908	1.846	13.2	19.8	155 E	71	38
1 1	4 17.29	+26 41.2	0.913	1.815	17.5	19.9	146 E	72	37
1 6	4 3.31	+27 8.7	0.925	1.782	21.6	20.0	138 E	72	37
1 11	3 50.82	+27 31.8	0.942	1.748	25.4	20.1	130 E	73	36
1 16	3 40.06	+27 52.3	0.965	1.713	28.8	20.3	123 E	73	36
1 21	3 31.12	+28 11.7	0.991	1.676	31.8	20.4	116 E	73	36
1 26	3 23.98	+28 31.5	1.019	1.638	34.5	20.4	110 E	74	35*
1 31	3 18.56	+28 52.7	1.048	1.598	36.8	20.5	104 E	74	34*
2 5	3 14.74	+29 16.1	1.077	1.556	38.9	20.6	98 E	74	33*
2 10	3 12.38	+29 42.3	1.104	1.513	40.7	20.6	92 E	75	31*
2 15	3 11.37	+30 11.5	1.130	1.467	42.3	20.6	87 E	74*	29*
2 20	3 11.55	+30 44.0	1.153	1.420	43.7	20.7	83 E	73*	27*
2 25	3 12.82	+31 19.6	1.172	1.372	45.0	20.7	78 E	70*	25*
3 2	3 15.05	+31 58.3	1.187	1.321	46.2	20.6	74 E	67*	23*
3 7	3 18.15	+32 40.0	1.198	1.268	47.4	20.6	70 E	63*	21*
3 12	3 22.05	+33 24.3	1.203	1.213	48.6	20.5	66 E	60*	20*
3 17	3 26.68	+34 11.3	1.203	1.156	49.9	20.5	63 E	56*	18*
3 22	3 31.94	+35 0.4	1.196	1.097	51.3	20.4	59 E	53*	16*
3 27	3 37.74	+35 51.4	1.182	1.035	53.0	20.3	56 E	50*	14*
4 1	3 43.99	+36 43.4	1.160	0.971	55.1	20.2	53 E	47*	12*
4 6	3 50.54	+37 35.7	1.131	0.905	57.6	20.0	50 E	44*	11*
4 11	3 57.19	+38 26.9	1.093	0.837	60.9	19.9	47 E	41*	9*
4 16	4 3.61	+39 14.4	1.045	0.767	65.2	19.7	44 E	38*	7*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
				202435 2005 XH_8 *(continuation)*					
	h m	° ′			°	m	°	°	°
4 18	4 5.99	+39 31.6	1.023	0.738	67.3	19.7	43 E	37*	6*
4 20	4 8.19	+39 47.1	1.000	0.710	69.6	19.6	41 E	35*	6*
4 22	4 10.16	+40 0.5	0.974	0.681	72.3	19.5	40 E	34*	5*
4 24	4 11.80	+40 11.0	0.948	0.653	75.4	19.5	39 E	33*	4*
4 26	4 13.04	+40 17.8	0.919	0.624	78.8	19.4	37 E	31*	3*
4 28	4 13.74	+40 19.6	0.890	0.596	82.8	19.4	36 E	30*	2*
4 30	4 13.78	+40 15.0	0.859	0.569	87.3	19.4	34 E	28*	1*
5 2	4 12.99	+40 1.9	0.826	0.542	92.5	19.4	32 E	26*	—
5 4	4 11.22	+39 37.6	0.793	0.516	98.5	19.5	30 E	24*	—
5 6	4 8.28	+38 58.8	0.760	0.492	105.4	19.7	28 E	22*	—
5 8	4 4.04	+38 1.3	0.727	0.470	113.2	19.9	25 E	19*	—
5 10	3 58.42	+36 40.7	0.696	0.450	122.0	20.4	22 E	16*	—
5 12	3 51.51	+34 52.4	0.668	0.434	131.8	21.1	19 E	12*	—
				186024 2001 QG_{207}					
12 27	4 33.18	+18 16.3	2.766	3.674	6.8	20.0	154 E	63	46
1 6	4 28.56	+18 16.2	2.865	3.694	9.3	20.2	143 E	63	46
1 16	4 25.70	+18 20.7	2.986	3.715	11.4	20.4	132 E	63	46
1 26	4 24.78	+18 29.9	3.126	3.735	13.0	20.6	121 E	63	46
2 5	4 25.77	+18 43.4	3.280	3.756	14.1	20.8	112 E	64	45
2 15	4 28.60	+19 0.5	3.443	3.777	14.8	20.9	102 E	64	45*
2 25	4 33.11	+19 20.3	3.612	3.798	15.1	21.0	93 E	64	43*
3 7	4 39.10	+19 41.8	3.782	3.819	15.0	21.1	85 E	63*	41*
3 17	4 46.41	+20 4.0	3.950	3.840	14.6	21.2	76 E	59*	39*
3 27	4 54.84	+20 25.9	4.114	3.862	13.9	21.3	69 E	53*	36*
4 6	5 4.22	+20 46.6	4.271	3.883	13.0	21.4	61 E	47*	34*
4 16	5 14.40	+21 5.4	4.418	3.905	11.9	21.4	53 E	40*	31*
4 26	5 25.23	+21 21.6	4.554	3.926	10.7	21.4	46 E	32*	27*
5 6	5 36.59	+21 34.7	4.678	3.948	9.3	21.4	39 E	25*	24*
5 16	5 48.35	+21 44.3	4.787	3.969	7.8	21.4	32 E	18*	20*
5 26	6 0.41	+21 50.1	4.882	3.991	6.3	21.4	25 E	11*	15*
6 5	6 12.66	+21 51.8	4.960	4.012	4.7	21.4	19 E	5*	11*
6 15	6 25.02	+21 49.6	5.022	4.034	3.0	21.3	12 E	—	5*
6 25	6 37.38	+21 43.3	5.066	4.056	1.4	21.3	5 E	—	—
7 5	6 49.67	+21 33.1	5.093	4.077	0.5	21.2	2 W	—	—
7 15	7 1.81	+21 19.2	5.102	4.099	2.0	21.3	8 W	—	1*
7 25	7 13.71	+21 2.0	5.094	4.120	3.6	21.5	15 W	5*	6*
				499442 2010 DG_{78}					
12 27	4 33.66	+44 48.6	1.159	2.065	14.2	21.5	149 E	90	19
1 1	4 26.53	+43 54.5	1.174	2.056	16.1	21.6	145 E	89	20
1 6	4 20.77	+42 55.9	1.195	2.048	18.0	21.7	140 E	88	21
1 11	4 16.45	+41 55.1	1.220	2.039	19.9	21.8	135 E	87	22
1 16	4 13.59	+40 53.9	1.250	2.029	21.7	21.9	130 E	86	23
				39572 1993 DQ_1					
12 27	4 34.14	+34 43.7	1.607	2.526	10.0	20.2	154 E	80	29
1 1	4 28.88	+34 6.3	1.658	2.547	11.7	20.3	148 E	79	30
1 6	4 24.62	+33 29.0	1.715	2.567	13.4	20.5	143 E	78	31
1 11	4 21.37	+32 52.8	1.778	2.587	15.0	20.6	137 E	78	31
1 16	4 19.11	+32 18.6	1.845	2.606	16.3	20.8	132 E	77	32
1 21	4 17.80	+31 46.8	1.917	2.625	17.5	20.9	127 E	77	32
1 26	4 17.38	+31 17.7	1.992	2.643	18.5	21.1	121 E	76	33
1 31	4 17.79	+30 51.5	2.071	2.661	19.3	21.2	117 E	76	33
2 5	4 18.96	+30 28.2	2.152	2.679	20.0	21.3	112 E	75	34
2 10	4 20.83	+30 7.7	2.235	2.696	20.5	21.4	107 E	75	34*
				58023 2002 VR_{40}					
12 27	4 35.15	+12 30.8	1.176	2.096	12.7	17.7	152 E	58	51
1 6	4 29.36	+13 52.0	1.271	2.131	16.7	18.1	142 E	59	50
1 16	4 27.15	+15 14.3	1.386	2.166	19.9	18.4	131 E	60	49
1 26	4 28.45	+16 35.4	1.515	2.201	22.3	18.7	122 E	62	47
2 5	4 32.88	+17 53.3	1.656	2.235	23.9	19.0	113 E	63	46
2 15	4 40.03	+19 6.6	1.805	2.269	24.9	19.2	105 E	64	45*
2 25	4 49.48	+20 14.3	1.960	2.303	25.2	19.4	97 E	65	43*
3 7	5 0.80	+21 15.5	2.118	2.337	25.1	19.6	90 E	66*	41*
3 17	5 13.68	+22 9.3	2.277	2.370	24.6	19.8	83 E	64*	40*
3 27	5 27.81	+22 55.2	2.434	2.403	23.8	20.0	76 E	60*	38*
4 6	5 42.95	+23 32.8	2.589	2.435	22.7	20.1	70 E	55*	36*
4 16	5 58.87	+24 1.7	2.739	2.466	21.4	20.2	64 E	49*	34*
4 26	6 15.41	+24 21.7	2.884	2.497	19.9	20.3	58 E	43*	32*
5 6	6 32.39	+24 32.9	3.021	2.527	18.3	20.4	52 E	37*	30*
5 16	6 49.68	+24 35.3	3.150	2.557	16.6	20.4	46 E	31*	28*
5 26	7 7.15	+24 29.1	3.269	2.586	14.8	20.5	41 E	25*	25*
6 5	7 24.70	+24 14.6	3.379	2.614	12.9	20.5	35 E	19*	22*
6 15	7 42.24	+23 52.3	3.477	2.641	10.9	20.5	30 E	14*	19*
6 25	7 59.68	+23 22.8	3.563	2.667	8.9	20.5	24 E	10*	15*
7 5	8 16.98	+22 46.5	3.637	2.693	6.9	20.5	19 E	6*	10*
7 15	8 34.06	+22 4.2	3.697	2.717	4.9	20.4	13 E	3*	5*
7 25	8 50.89	+21 16.6	3.743	2.741	3.0	20.4	8 E	—	—
8 4	9 7.43	+20 24.5	3.775	2.764	1.5	20.3	4 E	—	—
8 14	9 23.65	+19 28.7	3.793	2.786	2.0	20.4	6 W	—	—

58023 2002 *VR*$_{40}$ *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
8 24	9 39.51	+18 30.0	3.795	2.808	3.8	20.5	11 W	5*	—
9 3	9 55.00	+17 29.5	3.783	2.828	5.7	20.6	16 W	10*	1*
9 13	10 10.07	+16 28.1	3.755	2.848	7.6	20.7	22 W	16*	5*
9 23	10 24.71	+15 26.7	3.713	2.866	9.5	20.8	28 W	22*	8*
10 3	10 38.86	+14 26.6	3.656	2.884	11.3	20.8	34 W	27*	11*
10 13	10 52.50	+13 28.9	3.584	2.901	12.9	20.8	41 W	33*	15*
10 23	11 5.54	+12 34.8	3.499	2.916	14.5	20.9	47 W	39*	19*
11 2	11 17.92	+11 45.7	3.402	2.931	15.9	20.9	54 W	45*	23*
11 12	11 29.54	+11 3.0	3.293	2.945	17.1	20.8	61 W	49*	28*
11 22	11 40.28	+10 28.2	3.174	2.958	18.1	20.8	68 W	53*	33*
12 2	11 50.01	+10 3.1	3.048	2.970	18.8	20.7	76 W	55*	38*
12 12	11 58.52	+ 9 49.3	2.915	2.982	19.2	20.7	84 W	55	44*
12 22	12 5.63	+ 9 48.5	2.780	2.992	19.2	20.6	93 W	55	49*
1 1	12 11.10	+10 2.3	2.646	3.001	18.7	20.5	102 W	55	52*
1 11	12 14.67	+10 31.8	2.515	3.009	17.8	20.3	111 W	56	53*
1 21	12 16.10	+11 17.6	2.393	3.017	16.3	20.2	121 W	56	53

23621 1996 *PA*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	4 35.31	− 7 12.7	1.413	2.254	16.4	19.0	140 E	38	71
1 1	4 31.11	− 6 20.4	1.454	2.266	17.6	19.1	136 E	39	70
1 6	4 27.72	− 5 23.5	1.500	2.278	18.7	19.2	132 E	40	69
1 11	4 25.15	− 4 23.1	1.551	2.290	19.8	19.3	128 E	41	68
1 16	4 23.44	− 3 20.3	1.605	2.301	20.8	19.5	124 E	42	67
1 21	4 22.57	− 2 16.0	1.663	2.312	21.8	19.6	119 E	43	66
1 26	4 22.50	− 1 11.0	1.724	2.323	22.5	19.7	115 E	44	65
2 5	4 24.60	+ 0 58.1	1.854	2.343	23.7	19.9	107 E	46	63
2 15	4 29.38	+ 3 3.0	1.991	2.361	24.4	20.1	99 E	48	61*
2 25	4 36.49	+ 5 1.3	2.131	2.378	24.6	20.3	92 E	50	57*
3 7	4 45.54	+ 6 51.1	2.273	2.394	24.4	20.4	85 E	51*	54*
3 17	4 56.24	+ 8 31.6	2.414	2.409	23.8	20.5	78 E	50*	50*
3 27	5 8.33	+10 2.0	2.551	2.422	23.0	20.6	71 E	47*	47*
4 6	5 21.57	+11 22.1	2.684	2.433	21.9	20.7	65 E	42*	44*
4 16	5 35.77	+12 31.6	2.810	2.443	20.5	20.8	59 E	37*	41*
4 26	5 50.77	+13 30.5	2.928	2.452	19.1	20.8	53 E	31*	37*
5 6	6 6.42	+14 18.8	3.036	2.459	17.4	20.9	47 E	26*	34*
5 16	6 22.62	+14 56.6	3.134	2.465	15.7	20.9	41 E	20*	30*
5 26	6 39.24	+15 23.9	3.222	2.469	13.8	20.9	36 E	14*	27*
6 5	6 56.18	+15 41.2	3.297	2.472	11.9	20.9	30 E	8*	23*
6 15	7 13.37	+15 48.7	3.359	2.474	9.9	20.8	25 E	3*	18*
6 25	7 30.72	+15 46.8	3.409	2.474	7.9	20.8	19 E	—	13*
7 5	7 48.17	+15 35.9	3.445	2.472	5.8	20.7	14 E	—	8*
7 15	8 5.67	+15 16.6	3.467	2.469	3.8	20.6	9 E	—	3*
7 25	8 23.16	+14 49.5	3.475	2.465	2.1	20.5	5 E	—	—
8 4	8 40.61	+14 15.2	3.469	2.459	2.0	20.5	5 W	—	—
8 14	8 57.99	+13 34.4	3.448	2.452	3.6	20.6	9 W	—	2*
8 24	9 15.25	+12 48.0	3.413	2.443	5.7	20.7	14 W	5*	6*
9 3	9 32.39	+11 56.8	3.364	2.433	7.8	20.7	19 W	10*	9*
9 13	9 49.38	+11 1.7	3.302	2.422	9.9	20.8	24 W	16*	12*
9 23	10 6.20	+10 3.8	3.226	2.409	12.0	20.8	30 W	21*	15*
10 3	10 22.85	+ 9 4.2	3.137	2.394	14.1	20.8	36 W	26*	17*
10 13	10 39.30	+ 8 4.0	3.036	2.378	16.1	20.8	41 W	32*	21*
10 23	10 55.53	+ 7 4.8	2.924	2.361	18.0	20.7	47 W	37*	24*
11 2	11 11.51	+ 6 8.0	2.801	2.343	19.8	20.7	53 W	41*	28*
11 12	11 27.20	+ 5 15.3	2.669	2.322	21.5	20.6	59 W	44*	32*
11 22	11 42.55	+ 4 28.7	2.530	2.301	23.0	20.5	65 W	47*	36*
12 2	11 57.48	+ 3 50.4	2.384	2.278	24.3	20.4	72 W	48*	41*
12 12	12 11.89	+ 3 23.0	2.233	2.254	25.3	20.3	79 W	48	46*
12 22	12 25.64	+ 3 9.4	2.080	2.229	26.1	20.1	85 W	48	51*
1 1	12 38.56	+ 3 12.9	1.925	2.202	26.5	19.9	93 W	48	56*
1 11	12 50.40	+ 3 37.5	1.773	2.174	26.4	19.7	100 W	49	59*
1 21	13 0.87	+ 4 27.3	1.625	2.144	25.9	19.5	108 W	49	60

5836 1993 *MF*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	4 37.28	+17 24.2	1.543	2.467	9.9	18.3	154 E	62	47
1 6	4 30.04	+16 59.9	1.672	2.525	13.7	18.7	143 E	62	47
1 16	4 26.13	+16 47.3	1.821	2.581	16.6	19.0	132 E	62	47
1 26	4 25.38	+16 45.3	1.987	2.636	18.6	19.4	121 E	62	47
2 5	4 27.41	+16 51.8	2.165	2.689	19.9	19.6	112 E	62	47
2 15	4 31.82	+17 4.5	2.350	2.741	20.6	19.9	103 E	62	47*
2 25	4 38.21	+17 21.2	2.540	2.792	20.7	20.1	94 E	62	46*
3 7	4 46.23	+17 40.0	2.731	2.841	20.4	20.3	86 E	62*	44*
3 17	4 55.58	+17 59.0	2.920	2.888	19.7	20.4	78 E	58*	42*
3 27	5 6.00	+18 16.8	3.104	2.935	18.7	20.6	71 E	53*	40*
4 6	5 17.28	+18 32.4	3.282	2.979	17.5	20.7	64 E	47*	37*
4 16	5 29.24	+18 44.7	3.452	3.023	16.1	20.8	57 E	41*	35*
4 26	5 41.72	+18 53.1	3.611	3.065	14.6	20.8	50 E	34*	32*
5 6	5 54.58	+18 57.1	3.759	3.106	12.9	20.9	43 E	27*	29*
5 16	6 7.71	+18 56.3	3.893	3.145	11.2	20.9	37 E	20*	25*
5 26	6 21.02	+18 50.4	4.013	3.183	9.3	21.0	31 E	13*	21*
6 5	6 34.40	+18 39.4	4.117	3.220	7.5	21.0	24 E	7*	17*
6 15	6 47.77	+18 23.2	4.205	3.255	5.6	20.9	18 E	1*	12*

5836 1993 *MF* *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
6 25	7 1.06	+18 2.0	4.276	3.289	3.7	20.9	12 E	—	6*
7 5	7 14.19	+17 35.8	4.329	3.322	2.1	20.8	7 E	—	—
7 15	7 27.11	+17 5.1	4.365	3.353	1.5	20.8	5 W	—	—
7 25	7 39.73	+16 30.0	4.381	3.383	2.8	20.9	9 W	—	3*
8 4	7 51.99	+15 51.0	4.380	3.412	4.5	21.1	15 W	3*	8*
8 14	8 3.84	+15 8.5	4.360	3.440	6.3	21.2	22 W	9*	13*
8 24	8 15.18	+14 23.0	4.322	3.467	8.0	21.2	28 W	16*	17*
9 3	8 25.96	+13 35.1	4.266	3.492	9.6	21.3	35 W	23*	21*
9 13	8 36.08	+12 45.5	4.194	3.516	11.1	21.3	42 W	30*	26*
9 23	8 45.44	+11 55.0	4.105	3.539	12.5	21.4	50 W	36*	30*
10 3	8 53.93	+11 4.3	4.003	3.560	13.7	21.4	57 W	42*	34*
10 13	9 1.43	+10 14.3	3.887	3.581	14.6	21.3	65 W	48*	38*
10 23	9 7.78	+ 9 26.3	3.761	3.600	15.3	21.3	73 W	52*	43*
11 2	9 12.85	+ 8 41.2	3.628	3.618	15.7	21.2	82 W	53*	47*
11 12	9 16.43	+ 8 0.5	3.489	3.635	15.8	21.2	90 W	53	52*
11 22	9 18.36	+ 7 25.6	3.350	3.651	15.5	21.1	100 W	52	55*
12 2	9 18.47	+ 6 57.8	3.214	3.665	14.7	21.0	110 W	52	57*
12 12	9 16.63	+ 6 38.8	3.086	3.679	13.4	20.9	120 W	52	57
12 22	9 12.79	+ 6 29.9	2.972	3.691	11.6	20.7	131 W	51	58
1 1	9 7.04	+ 6 31.7	2.878	3.702	9.4	20.6	142 W	52	57
1 11	8 59.61	+ 6 44.4	2.807	3.712	6.8	20.4	153 W	52	57
1 21	8 50.99	+ 7 7.2	2.765	3.721	4.2	20.2	164 W	52	57

377974 2006 *OU*$_{2}$

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	4 37.87	+14 30.4	1.424	2.346	10.8	20.9	154 E	60	49
1 6	4 30.82	+15 10.4	1.520	2.375	14.7	21.2	142 E	60	49
1 16	4 27.04	+15 55.6	1.635	2.403	17.8	21.5	132 E	61	48
1 26	4 26.56	+16 44.5	1.767	2.431	20.2	21.8	122 E	62	47
2 5	4 29.13	+17 35.5	1.910	2.458	21.8	22.0	112 E	63	46

249708 2000 *OC*$_{47}$

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	4 38.14	+34 26.0	1.354	2.282	10.7	19.8	155 E	79	30
1 1	4 33.78	+33 55.7	1.396	2.296	12.7	20.0	149 E	79	30
1 6	4 30.40	+33 25.0	1.443	2.311	14.5	20.1	144 E	78	31
1 11	4 28.04	+32 54.9	1.495	2.326	16.3	20.3	139 E	78	31
1 16	4 26.68	+32 26.1	1.552	2.340	17.8	20.4	133 E	77	32
1 26	4 26.85	+31 34.7	1.678	2.368	20.3	20.7	124 E	77	32
2 5	4 30.44	+30 52.5	1.815	2.395	22.0	21.0	114 E	76	33
2 15	4 36.95	+30 19.4	1.962	2.422	23.1	21.2	106 E	75	34*
2 25	4 45.87	+29 53.9	2.114	2.448	23.6	21.4	97 E	75	34*

369566 2011 *BH*$_{19}$

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	4 38.72	+69 15.9	0.983	1.792	24.3	19.1	131 E	66	—
1 1	4 33.95	+67 51.6	1.002	1.805	24.4	19.1	131 E	67	—
1 6	4 31.70	+66 18.2	1.025	1.818	24.6	19.2	130 E	69	—
1 11	4 31.69	+64 38.5	1.051	1.831	24.9	19.3	128 E	70	—
1 16	4 33.65	+62 54.8	1.081	1.845	25.3	19.4	127 E	72	1
1 21	4 37.25	+61 9.4	1.115	1.859	25.8	19.5	125 E	74	3
1 26	4 42.21	+59 23.7	1.153	1.874	26.4	19.6	122 E	76	5
1 31	4 48.26	+57 39.1	1.193	1.888	26.9	19.7	120 E	77	6
2 5	4 55.18	+55 56.3	1.238	1.903	27.4	19.8	117 E	79	8
2 10	5 2.80	+54 16.0	1.285	1.918	27.9	19.9	115 E	81	10
2 15	5 11.00	+52 38.5	1.335	1.933	28.3	20.0	112 E	82	11
2 20	5 19.64	+51 4.2	1.388	1.948	28.7	20.1	109 E	84	13
2 25	5 28.64	+49 33.0	1.444	1.964	29.0	20.2	106 E	85	14
3 2	5 37.89	+48 5.0	1.502	1.979	29.2	20.3	103 E	87	16
3 7	5 47.34	+46 39.9	1.562	1.995	29.3	20.4	100 E	88	17
3 12	5 56.94	+45 17.6	1.624	2.011	29.3	20.6	97 E	90	19*
3 17	6 6.64	+43 57.9	1.687	2.027	29.3	20.6	95 E	88*	20*
3 22	6 16.42	+42 40.5	1.753	2.043	29.2	20.7	92 E	85*	21*
3 27	6 26.22	+41 25.2	1.819	2.059	29.0	20.8	89 E	82*	22*
4 1	6 36.03	+40 11.7	1.887	2.075	28.7	20.9	86 E	78*	24*
4 6	6 45.82	+38 59.8	1.955	2.091	28.4	21.0	83 E	75*	25*
4 11	6 55.59	+37 49.3	2.024	2.107	28.0	21.1	81 E	72*	26*
4 16	7 5.31	+36 40.0	2.094	2.123	27.5	21.2	78 E	68*	27*
4 21	7 14.97	+35 31.7	2.163	2.139	27.0	21.2	75 E	65*	28*
4 26	7 24.57	+34 24.1	2.233	2.155	26.4	21.3	72 E	61*	28*
5 1	7 34.08	+33 17.3	2.303	2.171	25.8	21.4	70 E	58*	29*
5 6	7 43.51	+32 10.9	2.372	2.187	25.1	21.4	67 E	54*	30*
5 11	7 52.85	+31 5.0	2.441	2.203	24.4	21.5	64 E	50*	30*

101952 1999 *RY*$_{31}$

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	4 39.36	+26 12.5	2.019	2.946	7.7	20.6	156 E	71	38
1 1	4 34.72	+26 8.6	2.055	2.949	9.6	20.7	150 E	71	38
1 6	4 30.71	+26 4.6	2.098	2.952	11.2	20.9	144 E	71	38
1 11	4 27.37	+26 0.6	2.146	2.954	12.8	21.0	138 E	71	38
1 16	4 24.76	+25 57.2	2.199	2.956	14.1	21.1	133 E	71	38
1 21	4 22.88	+25 54.7	2.257	2.958	15.4	21.2	127 E	71	38
1 26	4 21.75	+25 53.1	2.319	2.960	16.4	21.3	122 E	71	38
1 31	4 21.34	+25 52.7	2.384	2.961	17.3	21.4	117 E	71	38
2 5	4 21.62	+25 53.5	2.452	2.963	18.0	21.4	112 E	71	38