20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
163001 2001 SE_{170}									
12 27	8 42.70	−11 38.8	1.831	2.587	16.6	22.5	131 W	33	76
1 6	8 33.00	−12 6.6	1.798	2.625	14.1	22.4	140 W	33	76
1 16	8 21.76	−12 2.7	1.787	2.661	11.9	22.3	146 W	33	76
1 26	8 10.11	−11 27.0	1.802	2.696	10.8	22.3	149 E	34	75
2 5	7 59.24	−10 23.8	1.844	2.729	11.1	22.4	148 E	35	74
302992 2003 WH_{26}									
12 27	8 43.08	+45 57.1	2.438	3.285	10.2	21.2	144 W	89	18
1 1	8 37.96	+46 49.6	2.427	3.297	9.3	21.1	147 W	88	17
1 6	8 32.19	+47 38.1	2.423	3.310	8.6	21.1	150 W	87	16
1 11	8 25.89	+48 21.4	2.426	3.322	8.2	21.1	151 W	87	16
1 16	8 19.22	+48 58.7	2.437	3.334	8.1	21.1	151 W	86	15
1 21	8 12.34	+49 29.2	2.454	3.346	8.3	21.1	150 E	86	15
1 26	8 5.47	+49 52.5	2.479	3.357	8.8	21.2	148 E	85	14
1 31	7 58.78	+50 8.7	2.510	3.369	9.5	21.3	145 E	85	14
2 5	7 52.45	+50 17.9	2.548	3.380	10.4	21.3	142 E	85	14
2 10	7 46.63	+50 20.6	2.592	3.391	11.2	21.4	138 E	85	14
2 15	7 41.46	+50 17.3	2.642	3.401	12.1	21.5	134 E	85	14
223074 2002 TB_{256}									
12 27	8 43.33	+13 54.4	1.794	2.664	12.0	21.8	146 W	59	50
1 6	8 34.27	+14 18.2	1.756	2.693	7.9	21.6	158 W	59	50
1 16	8 23.56	+14 50.3	1.746	2.720	3.6	21.4	170 W	60	49
1 26	8 12.35	+15 26.5	1.766	2.747	2.2	21.4	174 E	60	49
2 5	8 1.83	+16 2.5	1.816	2.772	6.1	21.7	163 E	61	48
2 15	7 53.06	+16 35.3	1.894	2.797	10.0	22.0	151 E	62	47
8034 Akka									
12 27	8 44.95	+15 11.9	1.702	2.575	12.4	21.7	146 W	60	49
1 6	8 34.61	+15 41.9	1.638	2.578	8.1	21.5	158 W	61	48
1 16	8 22.08	+16 20.0	1.602	2.579	3.3	21.2	171 W	61	48
1 26	8 8.59	+17 1.2	1.597	2.578	2.3	21.1	174 E	62	47
2 5	7 55.63	+17 40.6	1.623	2.576	7.1	21.4	161 E	63	46
2 15	7 44.52	+18 14.8	1.678	2.572	11.6	21.7	148 E	63	46
270201 2001 TS_{32}									
12 27	8 46.49	+15 24.4	1.818	2.687	12.0	20.5	145 W	60	49
1 6	8 37.38	+15 40.8	1.784	2.719	7.9	20.3	158 W	61	48
1 16	8 26.63	+16 3.8	1.776	2.751	3.5	20.1	170 W	61	48
1 26	8 15.37	+16 29.3	1.799	2.781	1.7	20.0	175 E	61	48
1 31	8 9.94	+16 42.0	1.822	2.796	3.7	20.2	169 E	62	47
2 5	8 4.81	+16 54.0	1.852	2.811	5.8	20.3	163 E	62	47
2 10	8 0.12	+17 5.1	1.889	2.825	7.8	20.5	157 E	62	47
2 15	7 55.97	+17 15.1	1.933	2.839	9.6	20.6	151 E	62	47
2 20	7 52.44	+17 23.9	1.984	2.853	11.4	20.8	145 E	62	47
2 25	7 49.57	+17 31.3	2.040	2.867	12.9	20.9	140 E	63	46
3 2	7 47.39	+17 37.3	2.101	2.880	14.3	21.0	134 E	63	46
3 7	7 45.90	+17 41.9	2.167	2.893	15.5	21.1	129 E	63	46
3 12	7 45.10	+17 45.1	2.236	2.906	16.5	21.3	124 E	63	46
3 17	7 44.97	+17 46.8	2.309	2.919	17.4	21.4	119 E	63	46
3 22	7 45.48	+17 47.2	2.385	2.932	18.1	21.5	114 E	63	46
271368 2003 YU_{17}									
12 27	8 46.72	+21 41.0	1.418	2.306	13.4	20.7	147 W	67	42
1 1	8 42.30	+22 14.5	1.403	2.323	11.0	20.6	153 W	67	42
1 6	8 37.21	+22 49.1	1.393	2.339	8.5	20.5	159 W	68	41
1 11	8 31.57	+23 23.7	1.390	2.356	6.0	20.3	166 W	68	41
1 16	8 25.56	+23 57.2	1.394	2.372	3.5	20.2	171 W	69	40
1 21	8 19.40	+24 28.7	1.406	2.388	2.0	20.2	175 W	69	40
1 26	8 13.29	+24 57.2	1.425	2.404	3.2	20.3	172 E	70	39
1 31	8 7.43	+25 22.1	1.450	2.419	5.4	20.5	167 E	70	39
2 5	8 1.99	+25 43.2	1.483	2.435	7.7	20.6	161 E	71	38
2 10	7 57.13	+26 0.2	1.522	2.450	10.0	20.8	155 E	71	38
2 15	7 52.98	+26 13.3	1.568	2.465	12.0	21.0	149 E	71	38
2 20	7 49.61	+26 22.6	1.619	2.480	13.9	21.1	143 E	71	38
2 25	7 47.09	+26 28.4	1.675	2.495	15.6	21.3	137 E	71	38
3 2	7 45.40	+26 31.1	1.736	2.509	17.1	21.4	132 E	72	37
478450 2012 KJ_{45}									
12 27	8 47.58	−15 24.8	1.159	1.924	23.9	20.0	128 W	30	79
1 1	8 44.54	−17 16.6	1.121	1.910	23.1	19.8	130 W	28	81
1 6	8 40.58	−19 2.9	1.087	1.897	22.4	19.7	133 W	26	83
1 11	8 35.73	−20 41.3	1.059	1.884	21.9	19.7	134 W	24	85
1 16	8 30.11	−22 9.6	1.035	1.870	21.5	19.6	136 W	23	86
1 21	8 23.89	−23 25.8	1.016	1.857	21.4	19.5	137 W	22	87
1 26	8 17.27	−24 28.3	1.001	1.845	21.5	19.5	137 E	21	88
1 31	8 10.50	−25 15.9	0.991	1.832	21.9	19.5	136 E	20	89
2 5	8 3.84	−25 48.2	0.985	1.819	22.6	19.4	135 E	19	90
2 10	7 57.55	−26 5.1	0.983	1.807	23.5	19.5	133 E	19	90
2 15	7 51.90	−26 7.4	0.985	1.795	24.5	19.5	131 E	19	90

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
478450 2012 KJ_{45} *(continuation)*									
2 20	7 47.10	−25 56.5	0.990	1.784	25.6	19.5	129 E	19	90
2 25	7 43.33	−25 34.1	0.998	1.772	26.8	19.5	126 E	19	90
3 2	7 40.70	−25 2.2	1.008	1.761	28.0	19.6	124 E	20	89
3 7	7 39.25	−24 22.6	1.021	1.751	29.1	19.6	121 E	21	88
3 12	7 39.03	−23 37.2	1.036	1.740	30.3	19.7	118 E	21	88
3 17	7 40.04	−22 47.6	1.052	1.730	31.3	19.7	115 E	22	87
3 22	7 42.23	−21 55.5	1.070	1.721	32.3	19.8	113 E	23	86
3 27	7 45.56	−21 2.3	1.089	1.712	33.2	19.8	110 E	24	85
4 1	7 49.95	−20 9.1	1.109	1.703	34.0	19.9	108 E	25	84
4 6	7 55.35	−19 16.7	1.130	1.695	34.7	19.9	105 E	26*	83
4 11	8 1.67	−18 26.0	1.151	1.687	35.4	20.0	103 E	26*	82
4 16	8 8.87	−17 37.5	1.173	1.680	35.9	20.0	101 E	27*	82
4 21	8 16.88	−16 51.8	1.196	1.673	36.4	20.1	99 E	27*	81
4 26	8 25.61	−16 9.4	1.219	1.667	36.9	20.1	97 E	26*	80
5 6	8 45.00	−14 55.2	1.268	1.656	37.5	20.2	93 E	25*	79*
5 16	9 6.60	−13 56.3	1.320	1.648	37.8	20.3	89 E	23*	78*
5 26	9 29.97	−13 13.6	1.374	1.641	38.0	20.4	85 E	20*	76*
6 5	9 54.71	−12 46.5	1.433	1.638	37.8	20.5	82 E	17*	74*
6 15	10 20.48	−12 34.3	1.495	1.637	37.5	20.6	79 E	14*	72*
6 25	10 46.98	−12 35.5	1.562	1.638	36.9	20.6	76 E	12*	69*
7 5	11 13.92	−12 48.1	1.633	1.642	36.2	20.7	72 E	10*	66*
7 15	11 41.13	−13 10.3	1.708	1.649	35.2	20.8	69 E	9*	63*
7 25	12 8.43	−13 39.6	1.787	1.658	34.0	20.9	66 E	8*	60*
8 4	12 35.70	−14 13.7	1.870	1.669	32.7	20.9	63 E	8*	57*
8 14	13 2.87	−14 50.4	1.955	1.682	31.2	21.0	59 E	8*	53*
8 24	13 29.88	−15 27.5	2.043	1.697	29.6	21.1	56 E	8*	50*
9 3	13 56.70	−16 2.9	2.132	1.715	27.8	21.2	52 E	9*	46*
9 13	14 23.33	−16 34.9	2.221	1.733	25.9	21.2	49 E	9*	43*
9 23	14 49.75	−17 1.6	2.310	1.754	24.0	21.3	45 E	10*	39*
10 3	15 15.94	−17 21.5	2.397	1.776	21.9	21.3	42 E	10*	35*
10 13	15 41.91	−17 33.3	2.481	1.799	19.8	21.3	38 E	11*	31*
10 23	16 7.61	−17 35.8	2.563	1.823	17.7	21.4	34 E	11*	27*
11 2	16 33.02	−17 28.1	2.639	1.849	15.6	21.4	30 E	11*	22*
11 12	16 58.11	−17 9.5	2.711	1.875	13.5	21.4	26 E	11*	17*
11 22	17 22.82	−16 39.4	2.777	1.901	11.4	21.4	22 E	11*	12*
12 2	17 47.11	−15 57.4	2.836	1.928	9.4	21.4	19 E	10*	7*
12 12	18 10.93	−15 3.7	2.888	1.955	7.6	21.4	15 E	9*	2*
12 22	18 34.21	−13 58.2	2.932	1.983	6.1	21.4	12 E	6*	—
1 1	18 56.92	−12 41.3	2.968	2.011	5.2	21.4	11 E	4*	—
1 11	19 19.02	−11 13.5	2.996	2.038	5.2	21.5	11 W	3*	—
101363 1998 UQ									
12 27	8 47.84	+32 53.5	1.816	2.694	11.5	19.9	147 W	78	31
1 1	8 43.06	+33 27.2	1.799	2.708	9.7	19.8	152 W	78	31
1 6	8 37.65	+33 59.0	1.789	2.722	8.1	19.7	157 W	79	30
1 11	8 31.72	+34 27.8	1.786	2.736	6.6	19.6	161 W	79	30
1 16	8 25.44	+34 52.7	1.790	2.750	5.6	19.6	164 W	80	29
1 21	8 19.01	+35 12.9	1.802	2.763	5.4	19.6	165 W	80	29
1 26	8 12.61	+35 27.8	1.821	2.776	6.1	19.7	163 E	80	29
1 31	8 6.44	+35 37.3	1.847	2.789	7.3	19.8	159 E	81	28
2 5	8 0.65	+35 41.4	1.880	2.801	8.8	19.9	154 E	81	28
2 10	7 55.40	+35 40.5	1.920	2.814	10.3	20.0	149 E	81	28
2 15	7 50.80	+35 34.8	1.966	2.826	11.8	20.1	144 E	81	28
2 20	7 46.96	+35 25.1	2.017	2.838	13.2	20.3	139 E	80	29
2 25	7 43.90	+35 12.0	2.074	2.849	14.6	20.4	134 E	80	29
3 7	7 40.22	+34 37.6	2.201	2.872	16.7	20.6	124 E	80	29
3 17	7 39.68	+33 55.6	2.341	2.893	18.3	20.8	114 E	79	30
3 27	7 41.99	+33 8.8	2.491	2.913	19.3	21.0	105 E	78	31
4 6	7 46.72	+32 18.8	2.646	2.933	19.8	21.1	96 E	77*	32
4 16	7 53.50	+31 26.4	2.803	2.951	19.9	21.3	88 E	72*	33
4 26	8 1.93	+30 31.8	2.959	2.968	19.5	21.4	81 E	65*	33*
469493 2002 XG_{10}									
12 27	8 48.51	+28 0.8	1.329	2.220	13.9	21.2	147 W	73	36
1 1	8 44.17	+28 45.3	1.317	2.237	11.6	21.2	153 W	74	35
1 6	8 39.07	+29 29.1	1.310	2.254	9.3	21.1	158 W	74	35
1 11	8 33.36	+30 10.7	1.311	2.271	7.1	21.0	163 W	75	34
1 16	8 27.24	+30 48.7	1.318	2.288	5.4	20.9	167 W	76	33
1 21	8 20.94	+31 22.0	1.332	2.305	4.9	21.0	168 W	76	33
1 26	8 14.69	+31 49.8	1.353	2.321	5.8	21.0	166 E	77	32
1 31	8 8.71	+32 11.5	1.381	2.338	7.5	21.2	162 E	77	32
2 5	8 3.21	+32 27.3	1.415	2.354	9.4	21.3	157 E	77	32
2 10	7 58.34	+32 37.1	1.456	2.371	11.4	21.5	152 E	78	31
2 15	7 54.25	+32 41.4	1.502	2.387	13.3	21.6	146 E	78	31
2 20	7 51.02	+32 40.9	1.554	2.403	15.1	21.8	141 E	78	31
339649 2005 QH_{56}									
12 27	8 48.92	+17 49.6	2.086	2.951	10.8	22.4	146 W	63	46
1 6	8 40.82	+18 27.8	2.029	2.962	7.2	22.2	158 W	63	46
1 16	8 30.98	+19 10.8	1.999	2.973	3.1	22.0	170 W	64	45
1 26	8 20.33	+19 54.1	2.000	2.983	1.1	21.8	177 E	65	44

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
339649 2005 QH_{56} *(continuation)*									
	h m	° ′			°	m	°	°	°
2 5	8 9.96	+20 33.4	2.031	2.992	5.2	22.1	164 E	66	43
2 15	8 0.88	+21 5.9	2.093	3.000	9.0	22.4	152 E	66	43
434113 2002 PV_{68}									
12 27	8 49.10	+10 37.4	1.594	2.453	13.9	21.3	143 W	56	53
1 6	8 41.31	+10 17.7	1.496	2.421	10.1	20.9	154 W	55	54
1 16	8 30.85	+10 10.2	1.422	2.387	5.9	20.6	166 W	55	54
1 26	8 18.71	+10 14.0	1.376	2.353	3.9	20.4	171 E	55	54
2 5	8 6.30	+10 26.8	1.359	2.319	7.3	20.5	163 E	55	54
2 15	7 55.13	+10 45.4	1.369	2.283	12.2	20.7	151 E	56	53
2 25	7 46.53	+11 6.3	1.402	2.246	16.7	20.9	139 E	56	53
3 7	7 41.30	+11 26.3	1.454	2.209	20.7	21.1	128 E	56	53
3 17	7 39.75	+11 42.9	1.519	2.172	23.9	21.2	118 E	57	52
3 27	7 41.84	+11 53.8	1.592	2.133	26.3	21.3	109 E	57	52
4 6	7 47.24	+11 57.3	1.670	2.094	28.0	21.5	100 E	57*	52
383413 2006 UZ_{201}									
12 27	8 49.23	+22 35.1	1.301	2.190	14.3	20.9	147 W	68	41
1 1	8 45.12	+23 16.0	1.287	2.206	11.8	20.8	153 W	68	41
1 6	8 40.25	+23 58.0	1.278	2.223	9.2	20.7	159 W	69	40
1 11	8 34.79	+24 39.9	1.275	2.239	6.6	20.6	165 W	70	39
1 16	8 28.90	+25 20.3	1.279	2.255	4.2	20.5	170 W	70	39
1 21	8 22.81	+25 58.0	1.290	2.271	2.8	20.4	174 W	71	38
1 26	8 16.75	+26 32.0	1.309	2.287	3.7	20.5	171 E	72	37
1 31	8 10.92	+27 1.5	1.334	2.303	5.9	20.7	166 E	72	37
2 5	8 5.52	+27 26.2	1.366	2.318	8.2	20.9	160 E	72	37
2 10	8 0.72	+27 46.0	1.404	2.334	10.5	21.0	155 E	73	36
2 15	7 56.66	+28 0.8	1.448	2.349	12.6	21.2	149 E	73	36
2 20	7 53.42	+28 11.1	1.498	2.364	14.6	21.4	143 E	73	36
428088 2006 OQ_{9}									
12 27	8 49.41	+21 3.9	1.820	2.694	11.7	21.9	146 W	66	43
1 6	8 39.93	+21 14.3	1.765	2.705	7.6	21.6	159 W	66	43
1 16	8 28.47	+21 25.5	1.738	2.715	3.2	21.4	171 W	66	43
1 26	8 16.21	+21 33.5	1.742	2.724	1.8	21.3	175 E	67	42
2 5	8 4.49	+21 35.5	1.775	2.732	6.2	21.6	163 E	67	42
2 15	7 54.48	+21 30.4	1.838	2.739	10.3	21.9	150 E	67	42
259485 2003 SS_{215}									
12 27	8 49.73	+18 33.9	1.167	2.055	15.7	20.1	146 W	64	45
1 1	8 45.96	+19 14.0	1.152	2.071	13.0	19.9	152 W	64	45
1 6	8 41.40	+19 56.9	1.142	2.087	10.2	19.8	158 W	65	44
1 11	8 36.19	+20 41.3	1.138	2.102	7.2	19.7	164 W	66	43
1 16	8 30.54	+21 25.8	1.141	2.118	4.3	19.6	171 W	66	43
1 21	8 24.65	+22 9.0	1.151	2.134	1.7	19.5	176 W	67	42
1 26	8 18.77	+22 49.7	1.167	2.150	2.4	19.6	175 E	68	41
1 31	8 13.12	+23 26.8	1.190	2.165	5.1	19.8	169 E	68	41
2 5	8 7.91	+23 59.8	1.220	2.181	7.8	20.0	163 E	69	40
2 10	8 3.30	+24 28.2	1.256	2.196	10.4	20.2	156 E	69	40
2 15	7 59.44	+24 51.8	1.298	2.212	12.7	20.3	150 E	70	39
2 25	7 54.31	+25 25.2	1.398	2.242	16.8	20.7	139 E	70	39
3 7	7 52.78	+25 42.1	1.515	2.272	19.9	21.0	129 E	71	38
3 17	7 54.68	+25 45.1	1.645	2.302	22.2	21.3	119 E	71	38
3 27	7 59.60	+25 36.4	1.786	2.330	23.6	21.5	110 E	71	38
517829 2015 RL_{82}									
12 27	8 49.80	+25 43.7	1.425	2.311	13.5	21.7	147 W	71	38
1 6	8 40.22	+27 19.0	1.300	2.244	9.2	21.2	159 W	72	37
1 16	8 26.28	+29 4.1	1.201	2.174	5.1	20.8	169 W	74	35
1 26	8 8.78	+30 46.1	1.131	2.102	6.1	20.7	167 E	76	33
2 5	7 49.57	+32 10.6	1.091	2.027	11.9	20.7	155 E	77	32
2 15	7 31.22	+33 7.7	1.077	1.950	18.3	20.9	142 E	78	31
2 25	7 16.27	+33 36.1	1.083	1.871	24.3	21.0	129 E	79	30
3 7	7 6.35	+33 41.0	1.103	1.789	29.6	21.1	117 E	79	30
3 17	7 2.09	+33 29.6	1.130	1.704	34.0	21.1	106 E	78	31
3 27	7 3.41	+33 7.3	1.157	1.618	37.7	21.2	97 E	78*	31
4 6	7 9.79	+32 36.5	1.178	1.529	40.9	21.2	89 E	74*	31*
4 16	7 20.68	+31 57.0	1.192	1.439	43.6	21.2	81 E	68*	32*
4 26	7 35.53	+31 6.8	1.193	1.348	46.2	21.1	75 E	61*	32*
5 6	7 53.87	+30 2.3	1.180	1.257	48.8	21.0	70 E	55*	33*
5 16	8 15.32	+28 38.8	1.153	1.166	51.7	20.9	65 E	48*	33*
5 26	8 39.55	+26 50.7	1.109	1.079	55.1	20.7	61 E	42*	34*
6 5	9 6.22	+24 31.6	1.049	0.998	59.3	20.5	58 E	37*	35*
6 15	9 35.05	+21 33.8	0.974	0.927	64.5	20.4	56 E	32*	37*
6 20	9 50.17	+19 47.7	0.932	0.897	67.5	20.3	55 E	30*	38*
6 25	10 5.73	+17 48.6	0.886	0.871	70.7	20.2	54 E	27*	39*
6 30	10 21.69	+15 35.2	0.838	0.851	74.1	20.2	54 E	25*	40*
7 5	10 38.09	+13 5.7	0.788	0.836	77.5	20.1	53 E	23*	41*
7 10	10 54.98	+10 18.3	0.737	0.827	80.9	20.1	53 E	21*	43*
7 15	11 12.48	+ 7 10.9	0.686	0.825	84.0	20.0	54 E	19*	44*
517829 2015 RL_{82} *(continuation)*									
7 20	11 30.79	+ 3 40.9	0.636	0.830	86.7	20.0	55 E	17*	46*
7 25	11 50.21	− 0 14.6	0.588	0.841	88.8	19.9	56 E	15*	49*
7 30	12 11.21	− 4 38.0	0.544	0.858	89.9	19.8	58 E	13*	51*
8 4	12 34.40	− 9 31.1	0.504	0.881	90.0	19.7	60 E	11*	54*
8 9	13 0.58	−14 52.2	0.471	0.908	88.7	19.6	64 E	9*	58*
8 14	13 30.63	−20 34.2	0.445	0.940	86.2	19.4	68 E	7*	61*
8 16	13 43.94	−22 53.6	0.437	0.954	84.8	19.4	70 E	7*	63*
8 18	13 58.06	−25 12.5	0.431	0.968	83.3	19.3	72 E	6*	65*
8 20	14 13.02	−27 29.1	0.426	0.983	81.5	19.3	74 E	5*	66*
8 22	14 28.83	−29 41.5	0.423	0.998	79.7	19.2	76 E	5*	68*
8 24	14 45.49	−31 47.8	0.421	1.013	77.7	19.2	78 E	4*	69*
8 26	15 2.94	−33 45.9	0.421	1.029	75.6	19.1	81 E	4*	71*
8 28	15 21.12	−35 33.9	0.423	1.046	73.5	19.1	83 E	3*	72*
8 30	15 39.90	−37 10.1	0.427	1.062	71.3	19.1	85 E	3*	73*
9 1	15 59.12	−38 33.4	0.433	1.079	69.1	19.1	87 E	3*	73*
9 3	16 18.59	−39 42.8	0.440	1.096	67.0	19.1	89 E	3*	74*
9 5	16 38.11	−40 38.1	0.449	1.113	64.9	19.1	91 E	3*	74*
9 7	16 57.47	−41 19.4	0.459	1.131	62.9	19.1	93 E	2*	74*
9 9	17 16.45	−41 47.3	0.471	1.148	60.9	19.1	95 E	3*	74*
9 11	17 34.89	−42 2.8	0.485	1.166	59.1	19.2	97 E	3*	74
9 13	17 52.64	−42 7.2	0.499	1.184	57.3	19.2	98 E	3*	74
9 15	18 9.60	−42 1.6	0.515	1.202	55.7	19.3	99 E	3*	74
9 17	18 25.69	−41 47.6	0.533	1.220	54.1	19.3	100 E	3	74
9 19	18 40.88	−41 26.5	0.551	1.238	52.7	19.4	101 E	4	75
9 21	18 55.17	−40 59.5	0.570	1.256	51.3	19.5	102 E	4	75
9 23	19 8.57	−40 27.8	0.591	1.274	50.1	19.5	103 E	5	76
9 25	19 21.14	−39 52.3	0.612	1.293	48.9	19.6	104 E	5	76
9 27	19 32.90	−39 14.0	0.634	1.311	47.9	19.7	104 E	6	77
9 29	19 43.92	−38 33.5	0.658	1.329	46.9	19.8	105 E	6	77
10 1	19 54.25	−37 51.4	0.681	1.347	45.9	19.9	105 E	7	78
10 3	20 3.95	−37 8.2	0.706	1.366	45.1	19.9	105 E	8	79
10 5	20 13.07	−36 24.4	0.732	1.384	44.3	20.0	105 E	9	80
10 7	20 21.66	−35 40.2	0.758	1.402	43.5	20.1	105 E	9	80
10 9	20 29.78	−34 55.9	0.785	1.420	42.8	20.2	105 E	10	81
10 11	20 37.47	−34 11.7	0.812	1.439	42.1	20.3	105 E	11	82
10 13	20 44.76	−33 27.7	0.840	1.457	41.5	20.4	105 E	12	83
10 18	21 1.49	−31 39.5	0.913	1.502	40.1	20.6	104 E	13	84
10 23	21 16.45	−29 54.6	0.988	1.547	38.9	20.8	102 E	15	86
10 28	21 30.02	−28 13.5	1.067	1.591	37.8	21.0	101 E	17	88
11 2	21 42.49	−26 36.0	1.148	1.635	36.8	21.2	99 E	18	89
11 7	21 54.10	−25 2.2	1.232	1.678	35.8	21.3	97 E	20	89
8567 1996 HW_{1}									
12 27	8 51.66	+ 5 1.3	1.308	2.155	17.1	18.5	140 W	50	59
1 6	8 40.82	+ 5 39.3	1.289	2.205	12.1	18.3	152 W	51	58
1 16	8 28.01	+ 6 38.8	1.294	2.254	7.3	18.2	163 W	52	57
1 26	8 14.79	+ 7 53.4	1.328	2.301	5.0	18.1	168 E	53	56
1 31	8 8.55	+ 8 33.6	1.356	2.324	6.0	18.3	166 E	54	55
2 5	8 2.78	+ 9 14.4	1.391	2.346	7.7	18.4	161 E	54	55
2 10	7 57.63	+ 9 54.9	1.433	2.368	9.8	18.6	156 E	55	54
2 15	7 53.22	+10 34.2	1.481	2.390	11.8	18.8	150 E	56	53
2 25	7 46.84	+11 46.9	1.594	2.432	15.4	19.1	139 E	57	52
3 7	7 43.82	+12 49.2	1.727	2.472	18.2	19.4	129 E	58	51
3 17	7 43.98	+13 39.8	1.875	2.511	20.3	19.7	119 E	59	50
3 27	7 46.95	+14 18.4	2.033	2.548	21.6	19.9	110 E	59	50
4 6	7 52.30	+14 45.3	2.198	2.584	22.3	20.1	101 E	60*	49
4 16	7 59.60	+15 1.2	2.366	2.618	22.5	20.3	93 E	58*	49
4 26	8 8.49	+15 6.7	2.535	2.650	22.2	20.5	85 E	54*	49*
5 6	8 18.63	+15 2.4	2.701	2.680	21.6	20.6	78 E	48*	48*
5 16	8 29.75	+14 49.0	2.863	2.710	20.7	20.8	71 E	41*	47*
5 26	8 41.64	+14 27.1	3.019	2.737	19.5	20.9	64 E	35*	46*
6 5	8 54.10	+13 57.4	3.166	2.763	18.1	20.9	58 E	28*	43*
6 15	9 7.00	+13 20.5	3.305	2.787	16.6	21.0	51 E	22*	40*
6 25	9 20.21	+12 37.0	3.432	2.810	14.9	21.1	45 E	16*	36*
7 5	9 33.64	+11 47.5	3.547	2.831	13.1	21.1	39 E	11*	31*
7 15	9 47.21	+10 52.5	3.649	2.850	11.2	21.1	33 E	7*	26*
7 25	10 0.86	+ 9 52.9	3.737	2.868	9.2	21.1	27 E	3*	21*
8 4	10 14.53	+ 8 49.2	3.810	2.885	7.2	21.0	21 E	1*	15*
8 14	10 28.20	+ 7 41.9	3.867	2.900	5.1	21.0	15 E	—	9*
8 24	10 41.81	+ 6 31.8	3.908	2.913	3.1	20.9	9 E	—	3*
9 3	10 55.36	+ 5 19.5	3.932	2.925	1.0	20.8	3 E	—	—
9 13	11 8.79	+ 4 5.7	3.938	2.935	1.3	20.8	4 W	—	—
9 23	11 22.09	+ 2 51.1	3.928	2.944	3.3	20.9	10 W	3*	1*
10 3	11 35.23	+ 1 36.4	3.900	2.951	5.4	21.0	16 W	9*	5*
10 13	11 48.16	+ 0 22.2	3.854	2.957	7.4	21.1	22 W	14*	9*
10 23	12 0.84	− 0 50.4	3.792	2.961	9.4	21.2	29 W	20*	14*
11 2	12 13.21	− 2 0.9	3.713	2.964	11.3	21.2	36 W	25*	18*
11 12	12 25.21	− 3 8.2	3.619	2.965	13.0	21.2	42 W	30*	24*
11 22	12 36.75	− 4 11.4	3.509	2.965	14.7	21.2	50 W	34*	29*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
					(continuation)				
	8567 1996 HW_1								
	h m	° ′			°	m	°	°	°
12 2	12 47.73	− 5 9.6	3.387	2.963	16.2	21.2	57 W	37*	36*
12 12	12 58.00	− 6 1.6	3.252	2.960	17.4	21.1	64 W	38*	43*
12 22	13 7.42	− 6 46.3	3.108	2.955	18.5	21.1	72 W	38*	50*
1 1	13 15.81	− 7 22.4	2.956	2.948	19.2	21.0	80 W	38	58*
1 11	13 22.91	− 7 48.6	2.800	2.940	19.5	20.9	88 W	37	65*
1 21	13 28.49	− 8 3.2	2.641	2.931	19.5	20.7	97 W	37	71*
	322629 1997 TQ_{17}								
12 27	8 52.14	+24 32.4	1.859	2.731	11.6	22.3	146 W	70	39
1 6	8 43.23	+25 8.4	1.783	2.719	7.8	22.1	158 W	70	39
1 16	8 31.98	+25 43.7	1.733	2.706	3.8	21.8	169 W	71	38
1 26	8 19.45	+26 12.2	1.714	2.692	2.9	21.7	172 E	71	38
2 5	8 7.03	+26 29.5	1.725	2.677	6.8	21.9	161 E	71	38
2 15	7 56.08	+26 33.5	1.764	2.661	11.0	22.1	149 E	72	37
	207648 2007 LP_{18}								
12 27	8 52.42	+15 47.4	2.469	3.318	10.0	21.7	144 W	61	48
1 6	8 45.07	+16 16.9	2.404	3.328	6.8	21.5	156 W	61	48
1 16	8 36.21	+16 52.1	2.368	3.338	3.4	21.3	169 W	62	47
1 26	8 26.57	+17 29.7	2.362	3.346	0.6	21.1	178 E	62	47
2 5	8 17.05	+18 6.2	2.388	3.354	4.0	21.4	166 E	63	46
2 15	8 8.47	+18 38.8	2.445	3.361	7.4	21.6	154 E	64	45
	101037 1998 QX_{90}								
12 27	8 53.36	+10 55.4	1.883	2.728	12.7	20.5	142 W	56	53
1 6	8 45.69	+11 31.0	1.831	2.749	9.0	20.3	154 W	57	52
1 16	8 36.18	+12 18.8	1.805	2.770	4.9	20.1	166 W	57	52
1 26	8 25.80	+13 14.4	1.809	2.790	2.1	20.0	174 E	58	51
1 31	8 20.64	+13 43.5	1.822	2.800	3.1	20.1	171 E	59	50
2 5	8 15.68	+14 12.5	1.843	2.809	5.0	20.2	166 E	59	50
2 10	8 11.05	+14 41.0	1.871	2.818	6.9	20.3	160 E	60	49
2 15	8 6.86	+15 8.4	1.906	2.827	8.8	20.5	154 E	60	49
2 25	8 0.18	+15 58.4	1.996	2.844	12.3	20.7	142 E	61	48
3 7	7 56.08	+16 40.2	2.107	2.860	15.1	20.9	131 E	62	47
3 17	7 54.68	+17 13.0	2.234	2.876	17.3	21.2	121 E	62	47
3 27	7 55.90	+17 36.6	2.375	2.890	18.8	21.3	111 E	63	46
	488587 2002 PH_{130}								
12 27	8 55.09	+22 56.6	1.676	2.547	12.7	22.2	145 W	68	41
1 1	8 50.74	+23 8.4	1.653	2.559	10.6	22.1	151 W	68	41
1 6	8 45.73	+23 20.8	1.636	2.571	8.4	22.0	157 W	68	41
1 11	8 40.20	+23 33.0	1.625	2.583	6.2	21.9	164 W	69	40
1 16	8 34.28	+23 44.4	1.622	2.595	3.9	21.8	170 W	69	40
1 21	8 28.15	+23 54.2	1.626	2.607	2.0	21.7	175 W	69	40
1 26	8 22.01	+24 2.0	1.637	2.618	2.2	21.7	174 E	69	40
1 31	8 16.02	+24 7.4	1.656	2.630	4.1	21.9	169 E	69	40
2 5	8 10.35	+24 10.2	1.682	2.641	6.3	22.0	163 E	69	40
2 10	8 5.15	+24 10.4	1.716	2.652	8.4	22.2	157 E	69	40
2 15	8 0.54	+24 8.0	1.756	2.662	10.4	22.3	151 E	69	40
2 20	7 56.63	+24 3.3	1.802	2.673	12.2	22.4	145 E	69	40
	470258 2006 YV_{55}								
12 27	8 55.33	+29 10.0	1.008	1.903	17.0	20.0	146 W	74	35
1 1	8 51.51	+29 45.3	0.998	1.919	14.3	19.9	151 W	75	34
1 6	8 46.74	+30 19.5	0.993	1.935	11.7	19.8	157 W	75	34
1 11	8 41.20	+30 51.0	0.993	1.951	9.1	19.7	162 W	76	33
1 16	8 35.11	+31 18.2	0.999	1.968	7.1	19.7	166 W	76	33
1 21	8 28.77	+31 40.0	1.012	1.984	6.1	19.7	168 W	77	32
1 26	8 22.47	+31 55.4	1.030	2.001	6.5	19.8	167 E	77	32
1 31	8 16.48	+32 4.1	1.055	2.018	8.2	19.9	163 E	77	32
2 5	8 11.04	+32 6.3	1.085	2.035	10.3	20.1	158 E	77	32
2 10	8 6.34	+32 2.3	1.122	2.052	12.5	20.3	153 E	77	32
2 15	8 2.54	+31 52.7	1.163	2.069	14.6	20.4	148 E	77	32
2 20	7 59.72	+31 38.4	1.210	2.086	16.6	20.6	143 E	77	32
2 25	7 57.92	+31 20.1	1.261	2.103	18.4	20.8	138 E	76	33
3 2	7 57.11	+30 58.5	1.316	2.120	20.0	20.9	133 E	76	33
3 7	7 57.27	+30 34.4	1.375	2.137	21.4	21.1	128 E	76	33
3 12	7 58.33	+30 8.1	1.437	2.154	22.5	21.2	124 E	75	34
3 17	8 0.23	+29 40.0	1.502	2.171	23.5	21.4	119 E	75	34
	267046 1998 RU_{17}								
12 27	8 55.78	+21 13.6	2.118	2.977	11.0	21.7	145 W	66	43
1 6	8 47.46	+21 38.9	2.053	2.982	7.4	21.5	157 W	67	42
1 16	8 37.23	+22 5.9	2.015	2.987	3.5	21.2	169 W	67	42
1 26	8 26.04	+22 30.2	2.007	2.990	1.3	21.1	176 E	68	41
2 5	8 14.99	+22 48.3	2.031	2.993	5.1	21.3	164 E	68	41
2 15	8 5.16	+22 58.1	2.085	2.994	8.8	21.6	152 E	68	41

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	159402 1999 AP_{10}								
	h m	° ′			°	m	°	°	°
12 27	8 56.13	+51 59.4	0.285	1.213	32.0	15.1	139 W	83	12
1 1	8 43.43	+50 4.9	0.307	1.246	27.3	15.2	145 W	85	14
1 6	8 31.56	+48 7.8	0.332	1.280	23.0	15.3	149 W	87	16
1 11	8 20.90	+46 8.8	0.360	1.316	19.5	15.5	154 W	89	18
1 16	8 11.72	+44 9.5	0.392	1.352	16.9	15.6	156 W	89	20
1 21	8 4.22	+42 12.0	0.427	1.389	15.6	15.8	158 E	87	22
1 26	7 58.43	+40 18.5	0.467	1.426	15.5	16.1	157 E	85	24
1 31	7 54.27	+38 30.4	0.511	1.465	16.4	16.3	155 E	84	25
2 5	7 51.62	+36 48.7	0.559	1.503	17.8	16.6	152 E	82	27
2 10	7 50.33	+35 13.7	0.611	1.542	19.4	16.9	149 E	80	29
2 15	7 50.27	+33 45.5	0.667	1.580	21.0	17.2	145 E	79	30
2 20	7 51.30	+32 23.7	0.726	1.619	22.6	17.5	141 E	77	32
2 25	7 53.29	+31 7.8	0.790	1.658	24.0	17.8	137 E	76	33
3 2	7 56.09	+29 57.2	0.857	1.697	25.2	18.1	133 E	75	34
3 7	7 59.57	+28 51.3	0.927	1.735	26.2	18.3	129 E	74	35
3 12	8 3.65	+27 49.4	1.001	1.774	27.1	18.6	126 E	73	36
3 17	8 8.25	+26 50.9	1.077	1.812	27.8	18.8	122 E	72	37
3 27	8 18.70	+25 1.9	1.237	1.887	28.7	19.2	115 E	70	39
4 6	8 30.39	+23 20.6	1.406	1.961	29.0	19.6	108 E	68	41
4 16	8 42.96	+21 44.2	1.582	2.034	28.9	19.9	101 E	67*	42
4 26	8 56.16	+20 10.4	1.763	2.106	28.4	20.2	95 E	63*	44
5 6	9 9.74	+18 38.0	1.947	2.175	27.6	20.5	89 E	58*	45
5 16	9 23.58	+17 5.9	2.133	2.243	26.6	20.7	83 E	51*	47
5 26	9 37.56	+15 33.4	2.318	2.310	25.3	20.9	77 E	45*	48*
6 5	9 51.59	+14 0.4	2.502	2.375	23.8	21.1	71 E	38*	49*
6 15	10 5.62	+12 26.5	2.683	2.438	22.2	21.2	65 E	31*	48*
6 25	10 19.60	+10 51.8	2.858	2.499	20.5	21.4	59 E	25*	46*
	317958 2003 XG								
12 27	8 56.71	+18 28.6	2.216	3.067	10.9	20.0	144 W	63	46
1 6	8 48.38	+18 46.9	2.192	3.117	7.3	19.9	156 W	64	45
1 16	8 38.64	+19 8.1	2.197	3.167	3.5	19.7	169 W	64	45
1 26	8 28.41	+19 28.7	2.232	3.216	0.4	19.6	179 E	64	45
1 31	8 23.42	+19 37.8	2.261	3.240	2.3	19.8	172 E	65	44
2 5	8 18.67	+19 45.8	2.298	3.264	4.1	19.9	166 E	65	44
2 10	8 14.25	+19 52.5	2.343	3.288	5.8	20.1	160 E	65	44
2 15	8 10.25	+19 57.8	2.395	3.312	7.5	20.2	154 E	65	44
2 25	8 3.77	+20 3.8	2.518	3.358	10.3	20.5	143 E	65	44
3 7	7 59.55	+20 4.2	2.664	3.404	12.6	20.7	132 E	65	44
3 17	7 57.63	+19 59.2	2.828	3.449	14.3	21.0	121 E	65	44
3 27	7 57.93	+19 49.4	3.005	3.494	15.4	21.2	111 E	65	44
4 6	8 0.20	+19 35.1	3.190	3.537	16.1	21.3	102 E	65	44
4 16	8 4.20	+19 16.7	3.381	3.580	16.3	21.5	93 E	62*	45
	295427 2008 KU_{29}								
12 27	8 56.74	+20 46.6	2.108	2.965	11.1	21.8	145 W	66	43
1 6	8 49.12	+21 43.6	2.046	2.974	7.6	21.6	157 W	67	42
1 16	8 39.57	+22 44.0	2.012	2.983	3.7	21.3	169 W	68	41
1 26	8 28.99	+23 42.1	2.008	2.990	1.7	21.2	175 E	69	40
2 5	8 18.46	+24 32.6	2.035	2.997	5.1	21.5	164 E	70	39
2 15	8 9.03	+25 12.1	2.092	3.002	8.8	21.7	152 E	70	39
	137099 1998 YW_3								
12 27	8 56.99	+35 12.7	0.703	1.609	20.7	19.5	145 W	80	29
1 1	8 47.10	+38 32.6	0.680	1.608	17.9	19.3	150 W	84	25
1 6	8 34.34	+41 54.1	0.664	1.605	15.9	19.2	153 W	87	22
1 11	8 18.67	+45 7.3	0.656	1.601	15.3	19.2	155 W	90	19
1 16	8 0.41	+48 1.7	0.656	1.596	16.3	19.2	153 W	87	16
1 18	7 52.52	+49 4.0	0.658	1.594	17.1	19.2	151 E	86	15
1 20	7 44.40	+50 1.4	0.662	1.591	18.1	19.3	150 E	85	14
1 22	7 36.11	+50 53.7	0.666	1.588	19.3	19.3	148 E	84	13
1 24	7 27.74	+51 40.5	0.672	1.585	20.5	19.4	146 E	83	12
1 26	7 19.36	+52 21.9	0.678	1.582	21.8	19.4	143 E	83	12
1 28	7 11.08	+52 57.9	0.686	1.578	23.1	19.5	141 E	82	11
1 30	7 2.96	+53 28.6	0.694	1.575	24.4	19.5	139 E	82	11
2 1	6 55.08	+53 54.3	0.703	1.571	25.7	19.6	136 E	81	10
2 3	6 47.51	+54 15.4	0.713	1.567	27.0	19.7	134 E	81	10
2 5	6 40.31	+54 32.1	0.724	1.562	28.3	19.7	131 E	80	9
2 7	6 33.54	+54 44.9	0.735	1.558	29.5	19.8	129 E	80	9
2 9	6 27.22	+54 54.2	0.747	1.553	30.7	19.8	127 E	80	9
2 11	6 21.40	+55 0.4	0.760	1.548	31.8	19.9	124 E	80	9
2 13	6 16.09	+55 3.9	0.772	1.542	32.9	20.0	122 E	80	9
2 15	6 11.30	+55 5.2	0.785	1.537	33.9	20.0	120 E	80	9
2 20	6 1.59	+55 0.7	0.819	1.522	36.3	20.2	114 E	80	9
2 25	5 54.95	+54 49.0	0.854	1.506	38.3	20.3	109 E	80	9
3 2	5 51.12	+54 33.3	0.889	1.489	40.1	20.4	105 E	80	9
3 7	5 49.76	+54 15.9	0.923	1.470	41.6	20.5	100 E	81	10
3 12	5 50.60	+53 58.0	0.956	1.450	43.0	20.6	96 E	81	10*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
137099 1998 YW_3									
	h m	° ′			°	m	°	°	°
3 17	5 53.36	+53 40.3	0.988	1.428	44.1	20.6	92 E	81*	10*
3 22	5 57.79	+53 23.2	1.017	1.405	45.1	20.7	89 E	79*	10*
3 27	6 3.69	+53 6.5	1.043	1.381	46.1	20.7	85 E	77*	10*
4 1	6 10.85	+52 49.8	1.067	1.355	46.9	20.8	82 E	74*	10*
4 6	6 19.16	+52 32.8	1.087	1.327	47.7	20.8	79 E	72*	11*
4 11	6 28.48	+52 14.7	1.103	1.299	48.5	20.8	76 E	69*	11*
4 16	6 38.73	+51 55.1	1.116	1.268	49.3	20.8	73 E	67*	11*
4 21	6 49.79	+51 33.3	1.125	1.236	50.1	20.8	71 E	65*	11*
4 26	7 1.57	+51 8.5	1.129	1.203	51.0	20.8	68 E	62*	11*
5 1	7 13.98	+50 39.9	1.128	1.169	52.0	20.7	66 E	60*	11*
5 6	7 26.92	+50 6.7	1.123	1.132	53.1	20.7	64 E	58*	12*
5 11	7 40.34	+49 27.8	1.113	1.095	54.4	20.6	62 E	56*	12*
5 16	7 54.12	+48 42.4	1.097	1.056	56.0	20.6	60 E	53*	13*
5 21	8 8.16	+47 49.3	1.077	1.016	57.8	20.5	58 E	51*	13*
5 26	8 22.30	+46 47.3	1.050	0.975	59.9	20.4	56 E	49*	14*
5 31	8 36.40	+45 34.8	1.018	0.933	62.4	20.3	55 E	47*	15*
6 5	8 50.27	+44 10.0	0.981	0.891	65.5	20.2	53 E	45*	16*
6 10	9 3.67	+42 30.9	0.937	0.848	69.1	20.1	51 E	42*	17*
6 15	9 16.28	+40 34.8	0.889	0.805	73.5	20.0	49 E	40*	18*
6 20	9 27.66	+38 18.3	0.834	0.764	78.8	20.0	48 E	37*	19*
6 25	9 37.23	+35 37.1	0.776	0.724	85.3	19.9	45 E	34*	20*
6 27	9 40.38	+34 24.4	0.751	0.708	88.3	19.9	44 E	32*	21*
6 29	9 43.06	+33 6.3	0.726	0.694	91.4	19.9	43 E	30*	21*
7 1	9 45.20	+31 42.3	0.701	0.679	94.9	20.0	42 E	29*	21*
7 3	9 46.73	+30 12.0	0.675	0.666	98.6	20.0	40 E	27*	22*
7 5	9 47.57	+28 34.6	0.650	0.653	102.6	20.1	39 E	25*	22*
7 7	9 47.63	+26 49.6	0.625	0.642	106.8	20.2	37 E	22*	22*
7 9	9 46.83	+24 56.5	0.600	0.631	111.4	20.3	35 E	20*	22*
7 11	9 45.08	+22 54.7	0.576	0.621	116.2	20.5	33 E	17*	21*
7 13	9 42.31	+20 44.0	0.554	0.613	121.2	20.8	31 E	14*	21*
7 15	9 38.47	+18 24.3	0.533	0.605	126.4	21.1	29 E	11*	20*
216947 1999 TM_{258}									
12 27	8 57.53	+14 39.0	1.863	2.712	12.7	21.7	143 W	60	49
1 6	8 49.52	+15 0.0	1.805	2.727	8.8	21.5	155 W	60	49
1 16	8 39.51	+15 29.4	1.774	2.742	4.5	21.2	167 W	60	49
1 26	8 28.50	+16 3.3	1.772	2.756	1.1	21.0	177 E	61	48
2 5	8 17.68	+16 37.1	1.800	2.768	4.8	21.3	166 E	62	47
2 15	8 8.16	+17 7.5	1.858	2.780	8.9	21.6	154 E	62	47
73673 1986 RX_1									
12 27	8 57.59	+18 40.0	2.604	3.447	9.7	20.1	144 W	64	45
1 6	8 50.22	+18 59.6	2.534	3.454	6.7	19.9	156 W	64	45
1 16	8 41.32	+19 22.5	2.492	3.461	3.4	19.7	168 W	64	45
1 26	8 31.60	+19 45.6	2.482	3.466	0.3	19.4	179 E	65	44
1 31	8 26.70	+19 56.2	2.489	3.469	2.0	19.6	173 E	65	44
2 5	8 21.91	+20 5.9	2.504	3.471	3.7	19.7	167 E	65	44
2 10	8 17.33	+20 14.3	2.526	3.473	5.4	19.9	161 E	65	44
2 15	8 13.07	+20 21.3	2.556	3.475	7.0	20.0	155 E	65	44
2 25	8 5.80	+20 30.8	2.637	3.478	9.9	20.2	143 E	66	43
3 7	8 0.56	+20 34.0	2.740	3.480	12.3	20.3	132 E	66	43
3 17	7 57.55	+20 31.4	2.862	3.481	14.2	20.5	121 E	66	43
3 27	7 56.81	+20 23.4	2.998	3.482	15.5	20.6	111 E	65	44
4 6	7 58.20	+20 10.4	3.142	3.481	16.4	20.8	101 E	65*	44
4 16	8 1.51	+19 52.7	3.289	3.480	16.7	20.9	92 E	63*	44
4 26	8 6.50	+19 30.4	3.437	3.477	16.7	21.0	84 E	57*	44*
5 6	8 12.94	+19 3.5	3.581	3.474	16.3	21.1	76 E	50*	44*
5 16	8 20.59	+18 32.1	3.720	3.470	15.7	21.1	68 E	43*	43*
5 26	8 29.25	+17 56.1	3.849	3.465	14.7	21.2	61 E	35*	41*
6 5	8 38.74	+17 15.6	3.968	3.459	13.6	21.2	53 E	27*	38*
6 15	8 48.91	+16 30.4	4.075	3.453	12.3	21.2	46 E	20*	35*
6 25	8 59.61	+15 40.7	4.169	3.445	10.8	21.2	39 E	14*	30*
7 5	9 10.73	+14 46.7	4.247	3.437	9.2	21.1	33 E	9*	25*
7 15	9 22.17	+13 48.4	4.310	3.427	7.5	21.1	26 E	5*	20*
7 25	9 33.86	+12 46.1	4.356	3.417	5.7	21.0	20 E	1*	14*
8 4	9 45.70	+11 40.0	4.385	3.406	3.9	20.9	13 E	—	7*
8 14	9 57.64	+10 30.5	4.397	3.394	2.1	20.8	7 E	—	1*
8 24	10 9.63	+ 9 17.8	4.391	3.381	0.6	20.7	2 W	—	—
9 3	10 21.59	+ 8 2.5	4.367	3.367	1.9	20.8	6 W	—	—
9 13	10 33.50	+ 6 44.8	4.326	3.352	3.8	20.9	13 W	5*	4*
9 23	10 45.28	+ 5 25.3	4.267	3.337	5.7	20.9	19 W	11*	8*
10 3	10 56.89	+ 4 4.5	4.191	3.320	7.6	21.0	26 W	17*	13*
10 13	11 8.27	+ 2 42.8	4.099	3.303	9.4	21.0	33 W	23*	17*
10 23	11 19.34	+ 1 21.1	3.991	3.284	11.1	21.0	39 W	28*	22*
11 2	11 30.04	− 0 0.3	3.869	3.265	12.7	21.0	46 W	33*	27*
11 12	11 40.25	− 1 20.4	3.734	3.245	14.2	20.9	54 W	37*	33*
11 22	11 49.87	− 2 38.6	3.587	3.224	15.5	20.9	61 W	40*	39*
12 2	11 58.77	− 3 54.1	3.430	3.202	16.6	20.8	68 W	41*	45*
12 12	12 6.77	− 5 5.7	3.265	3.180	17.5	20.7	76 W	40	53*
12 22	12 13.70	− 6 12.6	3.096	3.156	18.1	20.6	84 W	39	60*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
73673 1986 RX_1									
	h m	° ′			°	m	°	°	°
1 1	12 19.33	− 7 13.4	2.924	3.132	18.3	20.5	93 W	38	67*
1 11	12 23.40	− 8 6.8	2.752	3.106	18.1	20.3	102 W	37	72*
1 21	12 25.67	− 8 51.1	2.586	3.080	17.3	20.1	111 W	36	73
57004 2000 SP_{349}									
12 27	8 57.60	+27 36.6	2.258	3.116	10.4	20.0	145 W	73	36
1 6	8 49.88	+28 32.7	2.182	3.107	7.3	19.8	156 W	74	35
1 16	8 40.09	+29 27.1	2.134	3.097	4.4	19.6	166 W	74	35
1 26	8 29.10	+30 13.5	2.116	3.087	3.6	19.5	169 E	75	34
1 31	8 23.50	+30 32.1	2.118	3.081	4.7	19.6	165 E	76	33
2 5	8 18.01	+30 47.1	2.128	3.075	6.2	19.7	160 E	76	33
2 10	8 12.77	+30 58.3	2.146	3.069	7.8	19.7	155 E	76	33
2 15	8 7.92	+31 5.6	2.170	3.062	9.4	19.8	150 E	76	33
2 20	8 3.58	+31 9.1	2.201	3.056	11.0	19.9	144 E	76	33
2 25	7 59.82	+31 9.0	2.237	3.049	12.5	20.0	138 E	76	33
3 7	7 54.31	+30 59.5	2.325	3.034	15.0	20.2	128 E	76	33
3 17	7 51.64	+30 39.7	2.429	3.019	17.0	20.3	117 E	76	33
3 27	7 51.78	+30 12.0	2.544	3.002	18.5	20.5	108 E	75	34
4 6	7 54.51	+29 38.4	2.665	2.985	19.4	20.6	99 E	75*	34
4 16	7 59.55	+28 59.8	2.788	2.966	19.8	20.7	90 E	71*	35
4 26	8 6.58	+28 16.7	2.910	2.947	19.8	20.8	82 E	64*	36*
5 6	8 15.28	+27 29.4	3.029	2.927	19.4	20.8	75 E	57*	36*
5 16	8 25.37	+26 37.7	3.141	2.906	18.7	20.9	67 E	49*	36*
5 26	8 36.62	+25 41.5	3.244	2.884	17.8	20.9	61 E	41*	35*
6 5	8 48.80	+24 40.6	3.339	2.861	16.7	20.9	54 E	34*	33*
6 15	9 1.75	+23 34.9	3.422	2.837	15.3	20.9	48 E	27*	31*
6 25	9 15.33	+22 24.2	3.493	2.813	13.8	20.9	41 E	22*	28*
7 5	9 29.40	+21 8.7	3.552	2.787	12.2	20.8	35 E	17*	24*
7 15	9 43.89	+19 48.3	3.597	2.760	10.5	20.8	30 E	13*	20*
7 25	9 58.70	+18 23.1	3.629	2.733	8.7	20.7	24 E	9*	15*
8 4	10 13.79	+16 53.5	3.647	2.705	6.9	20.6	19 E	6*	11*
8 14	10 29.11	+15 19.6	3.652	2.676	5.0	20.5	13 E	4*	5*
8 24	10 44.63	+13 41.9	3.642	2.646	3.2	20.3	9 E	1*	—
9 3	11 0.32	+12 0.6	3.618	2.616	2.1	20.2	5 E	—	—
9 13	11 16.17	+10 16.2	3.581	2.584	2.6	20.2	7 W	—	—
9 23	11 32.18	+ 8 29.2	3.530	2.552	4.2	20.3	11 W	5*	—
10 3	11 48.34	+ 6 40.2	3.467	2.519	6.2	20.3	16 W	10*	—
10 13	12 4.66	+ 4 49.8	3.391	2.486	8.3	20.3	21 W	15*	4*
10 23	12 21.12	+ 2 58.5	3.304	2.451	10.3	20.3	26 W	20*	7*
11 2	12 37.76	+ 1 7.1	3.205	2.417	12.4	20.3	32 W	24*	11*
11 12	12 54.55	− 0 43.9	3.097	2.381	14.5	20.3	37 W	28*	16*
11 22	13 11.50	− 2 33.5	2.979	2.345	16.5	20.2	42 W	31*	21*
12 2	13 28.61	− 4 21.2	2.853	2.309	18.4	20.1	48 W	34*	26*
12 12	13 45.85	− 6 6.2	2.720	2.272	20.3	20.1	53 W	35*	32*
12 22	14 3.19	− 7 47.7	2.581	2.235	22.1	20.0	59 W	36*	39*
1 1	14 20.61	− 9 25.3	2.438	2.198	23.8	19.9	64 W	35*	46*
1 11	14 38.02	−10 58.2	2.291	2.160	25.3	19.7	70 W	34*	53*
1 21	14 55.36	−12 26.1	2.142	2.123	26.7	19.6	76 W	33	60*
316687 1996 BX_{12}									
12 27	8 57.60	+53 40.8	1.153	1.996	19.2	20.0	138 W	81	10
1 1	8 47.83	+53 43.1	1.145	2.011	17.7	19.9	142 W	81	10
1 6	8 36.93	+53 33.7	1.141	2.025	16.3	19.9	145 W	81	10
1 11	8 25.35	+53 11.1	1.144	2.039	15.3	19.9	147 W	82	11
1 16	8 13.63	+52 34.2	1.152	2.054	14.7	19.9	148 W	82	11
1 21	8 2.31	+51 43.5	1.166	2.068	14.5	19.9	148 E	83	12
1 26	7 51.88	+50 40.1	1.186	2.083	14.9	20.0	147 E	84	13
1 31	7 42.66	+49 26.2	1.213	2.097	15.7	20.1	145 E	86	15
2 5	7 34.87	+48 4.2	1.245	2.111	16.7	20.2	142 E	87	16
2 10	7 28.62	+46 36.6	1.283	2.125	17.9	20.3	139 E	88	17
2 15	7 23.90	+45 5.8	1.327	2.140	19.2	20.4	135 E	90	19
2 20	7 20.67	+43 33.9	1.375	2.154	20.4	20.6	131 E	89	20
2 25	7 18.82	+42 2.5	1.428	2.168	21.6	20.7	126 E	87	22
3 2	7 18.20	+40 32.7	1.485	2.181	22.6	20.8	122 E	86	23
3 7	7 18.68	+39 5.3	1.545	2.195	23.5	21.0	118 E	84	25
3 12	7 20.14	+37 40.9	1.609	2.209	24.3	21.1	114 E	83	26
3 17	7 22.46	+36 19.5	1.675	2.222	24.9	21.2	110 E	81	28
3 22	7 25.52	+35 1.2	1.744	2.236	25.3	21.3	106 E	80	29
3 27	7 29.24	+33 45.9	1.814	2.249	25.7	21.4	102 E	79	30
185726 1998 SR_{140}									
12 27	8 58.00	+ 6 37.7	2.222	3.036	12.2	21.8	139 W	52	57
1 6	8 50.78	+ 6 47.9	2.150	3.045	9.1	21.6	151 W	52	57
1 16	8 41.83	+ 7 11.7	2.104	3.053	5.9	21.4	162 W	52	57
1 26	8 31.94	+ 7 47.3	2.088	3.060	3.5	21.3	169 E	53	56
2 5	8 22.03	+ 8 31.1	2.103	3.066	4.7	21.4	165 E	54	55
2 15	8 13.03	+ 9 19.2	2.148	3.071	7.8	21.6	155 E	54	55

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		5620 Jasonwheeler							
	h m	° ′			°	m	°	°	°
12 27	8 58.53	+15 36.5	2.117	2.961	11.6	21.7	143 W	61	48
1 6	8 50.97	+16 22.6	2.022	2.943	8.1	21.4	155 W	61	48
1 16	8 41.25	+17 18.0	1.955	2.923	4.1	21.2	168 W	62	47
1 26	8 30.14	+18 18.0	1.918	2.903	0.3	20.8	179 E	63	46
2 5	8 18.71	+19 17.3	1.913	2.881	4.6	21.1	166 E	64	45
2 15	8 8.11	+20 11.1	1.939	2.857	8.8	21.3	154 E	65	44
		326321 1999 VT_{180}							
12 27	8 58.66	+48 1.7	1.641	2.481	14.6	20.5	141 W	87	16
1 1	8 53.39	+49 9.6	1.633	2.495	13.5	20.4	144 W	86	15
1 6	8 47.08	+50 11.6	1.632	2.509	12.6	20.4	146 W	85	14
1 11	8 39.90	+51 6.1	1.637	2.524	12.0	20.4	148 W	84	13
1 16	8 32.07	+51 51.3	1.648	2.538	11.8	20.4	148 W	83	12
1 21	8 23.88	+52 26.3	1.666	2.551	12.0	20.5	147 W	83	12
1 26	8 15.64	+52 50.5	1.690	2.565	12.5	20.5	146 E	82	11
1 31	8 7.67	+53 3.8	1.720	2.578	13.2	20.6	143 E	82	11
2 5	8 0.24	+53 6.9	1.756	2.591	14.1	20.7	140 E	82	11
2 10	7 53.59	+53 0.5	1.797	2.604	15.1	20.8	137 E	82	11
2 15	7 47.92	+52 45.9	1.843	2.617	16.1	20.9	133 E	82	11
2 20	7 43.34	+52 24.4	1.894	2.629	17.0	21.0	129 E	83	12
2 25	7 39.91	+51 57.2	1.949	2.641	17.9	21.1	125 E	83	12
3 2	7 37.62	+51 25.5	2.007	2.653	18.7	21.2	121 E	84	13
3 7	7 36.44	+50 50.4	2.068	2.665	19.4	21.3	117 E	84	13
3 12	7 36.31	+50 12.7	2.132	2.676	20.0	21.4	113 E	85	14
3 17	7 37.16	+49 33.2	2.198	2.688	20.5	21.5	109 E	85	14
		69260 Tonyjudt							
12 27	8 58.67	+18 15.5	1.574	2.436	13.9	18.7	143 W	63	46
1 6	8 50.31	+19 0.4	1.549	2.479	9.4	18.5	156 W	64	45
1 16	8 39.93	+19 50.0	1.550	2.521	4.5	18.4	168 W	65	44
1 26	8 28.76	+20 38.0	1.579	2.563	0.8	18.2	178 E	66	43
1 31	8 23.31	+20 59.6	1.605	2.584	3.1	18.4	172 E	66	43
2 5	8 18.17	+21 18.9	1.637	2.604	5.4	18.6	166 E	66	43
2 10	8 13.47	+21 35.7	1.677	2.625	7.6	18.8	160 E	67	42
2 15	8 9.34	+21 49.7	1.724	2.645	9.6	18.9	154 E	67	42
2 25	8 3.09	+22 9.5	1.835	2.685	13.1	19.2	142 E	67	42
3 7	7 59.74	+22 19.0	1.966	2.724	15.9	19.5	131 E	67	42
3 17	7 59.28	+22 19.2	2.114	2.762	18.0	19.8	121 E	67	42
3 27	8 1.48	+22 11.4	2.273	2.800	19.3	20.0	112 E	67	42
4 6	8 5.97	+21 56.6	2.441	2.836	20.1	20.2	103 E	67	42
4 16	8 12.40	+21 35.2	2.612	2.872	20.4	20.4	95 E	65*	42
4 26	8 20.42	+21 7.8	2.786	2.908	20.2	20.5	87 E	60*	43
5 6	8 29.69	+20 34.7	2.958	2.942	19.7	20.7	79 E	54*	43*
5 16	8 39.97	+19 56.0	3.126	2.976	18.9	20.8	72 E	47*	43*
5 26	8 51.02	+19 12.2	3.289	3.008	17.8	20.9	65 E	39*	42*
6 5	9 2.66	+18 23.4	3.444	3.040	16.5	21.0	58 E	32*	40*
6 15	9 14.73	+17 30.0	3.591	3.071	15.1	21.0	52 E	26*	38*
6 25	9 27.12	+16 32.3	3.727	3.101	13.5	21.1	46 E	20*	34*
7 5	9 39.70	+15 30.8	3.852	3.130	11.8	21.1	39 E	15*	30*
7 15	9 52.42	+14 25.8	3.963	3.158	10.1	21.1	33 E	10*	25*
7 25	10 5.20	+13 17.9	4.061	3.186	8.2	21.1	27 E	7*	20*
8 4	10 17.97	+12 7.5	4.143	3.212	6.3	21.1	20 E	3*	14*
8 14	10 30.69	+10 55.0	4.210	3.238	4.4	21.1	14 E	1*	8*
8 24	10 43.32	+ 9 41.2	4.261	3.263	2.5	21.0	8 E	—	2*
9 3	10 55.82	+ 8 26.5	4.294	3.286	0.7	20.9	2 E	—	—
9 13	11 8.16	+ 7 11.4	4.310	3.309	1.5	21.0	5 W	—	—
9 23	11 20.27	+ 5 56.7	4.309	3.331	3.4	21.1	11 W	5*	—
10 3	11 32.13	+ 4 43.0	4.290	3.352	5.3	21.2	18 W	11*	4*
10 13	11 43.68	+ 3 31.0	4.253	3.373	7.1	21.3	25 W	17*	9*
10 23	11 54.86	+ 2 21.4	4.198	3.392	8.9	21.4	32 W	23*	13*
11 2	12 5.60	+ 1 14.9	4.128	3.410	10.5	21.4	39 W	29*	19*
11 12	12 15.81	+ 0 12.3	4.041	3.428	12.0	21.4	46 W	34*	24*
11 22	12 25.38	− 0 45.3	3.940	3.445	13.3	21.4	53 W	38*	30*
12 2	12 34.22	− 1 37.4	3.825	3.460	14.5	21.4	61 W	41*	37*
12 12	12 42.16	− 2 22.7	3.700	3.475	15.4	21.4	69 W	42*	44*
12 22	12 49.04	− 3 0.3	3.566	3.489	16.0	21.3	78 W	42	52*
1 1	12 54.70	− 3 29.2	3.426	3.502	16.3	21.3	86 W	42	59*
1 11	12 58.92	− 3 48.4	3.283	3.515	16.2	21.2	95 W	41	65*
1 21	13 1.52	− 3 56.8	3.142	3.526	15.6	21.1	105 W	41	68*
		524530 2002 XC_{91}							
12 27	8 59.12	+21 11.3	0.986	1.873	18.0	21.8	144 W	66	43
1 1	8 50.19	+22 22.5	0.980	1.902	14.4	21.7	151 W	67	42
1 6	8 40.26	+23 33.4	0.980	1.930	10.7	21.6	159 W	69	40
1 11	8 29.61	+24 41.5	0.988	1.956	7.0	21.5	166 W	70	39
1 16	8 18.61	+25 44.3	1.003	1.982	3.9	21.4	172 W	71	38
1 21	8 7.66	+26 39.9	1.027	2.007	3.3	21.4	173 E	72	37
1 26	7 57.16	+27 27.2	1.058	2.031	5.8	21.6	168 E	72	37
1 31	7 47.45	+28 5.7	1.096	2.054	8.8	21.9	161 E	73	36
2 5	7 38.76	+28 35.8	1.142	2.076	11.7	22.1	155 E	74	35
2 10	7 31.30	+28 58.3	1.194	2.097	14.4	22.3	148 E	74	35

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		275618 2000 AU_{242}							
	h m	° ′			°	m	°	°	°
12 27	8 59.14	+ 3 34.0	2.151	2.952	13.0	18.7	138 W	49	60
1 6	8 55.91	+ 3 17.0	2.037	2.915	10.5	18.4	147 W	48	61
1 16	8 50.87	+ 3 15.6	1.946	2.878	7.7	18.2	157 W	48	61
1 26	8 44.56	+ 3 30.3	1.881	2.842	5.3	18.0	164 W	49	60
2 5	8 37.72	+ 4 0.0	1.843	2.807	5.2	17.9	165 E	49	60
2 15	8 31.24	+ 4 41.7	1.832	2.773	7.6	18.0	158 E	50	59
2 25	8 26.00	+ 5 30.9	1.847	2.741	10.9	18.1	148 E	51	58
3 7	8 22.72	+ 6 22.7	1.885	2.709	14.1	18.2	138 E	51	58
3 17	8 21.82	+ 7 12.5	1.943	2.680	16.9	18.4	129 E	52	57
3 27	8 23.51	+ 7 56.5	2.015	2.651	19.1	18.5	119 E	53	56
4 6	8 27.76	+ 8 32.0	2.099	2.625	20.9	18.6	111 E	54	55
4 16	8 34.39	+ 8 57.1	2.190	2.600	22.1	18.7	103 E	54*	55
4 26	8 43.17	+ 9 10.9	2.286	2.576	22.9	18.8	95 E	52*	55
5 6	8 53.81	+ 9 12.7	2.385	2.555	23.2	18.9	88 E	48*	55
5 16	9 6.04	+ 9 2.6	2.485	2.536	23.2	19.0	81 E	42*	55*
5 26	9 19.60	+ 8 40.5	2.583	2.519	22.9	19.1	75 E	36*	54*
6 5	9 34.25	+ 8 7.0	2.680	2.503	22.2	19.1	69 E	30*	53*
6 15	9 49.80	+ 7 22.6	2.774	2.490	21.4	19.1	63 E	25*	51*
6 25	10 6.08	+ 6 28.1	2.864	2.480	20.3	19.2	58 E	20*	48*
7 5	10 22.94	+ 5 24.4	2.950	2.471	19.1	19.2	53 E	15*	45*
7 15	10 40.27	+ 4 12.5	3.032	2.465	17.8	19.2	48 E	12*	41*
7 25	10 57.96	+ 2 53.5	3.109	2.461	16.3	19.2	43 E	9*	36*
8 4	11 15.96	+ 1 28.5	3.181	2.460	14.7	19.2	38 E	6*	32*
8 14	11 34.20	− 0 1.3	3.247	2.461	13.0	19.2	33 E	4*	27*
8 24	11 52.64	− 1 34.6	3.308	2.464	11.2	19.2	28 E	2*	22*
9 3	12 11.25	− 3 10.0	3.362	2.470	9.4	19.1	23 E	1*	17*
9 13	12 30.00	− 4 46.4	3.410	2.478	7.5	19.1	19 E	—	13*
9 23	12 48.87	− 6 22.4	3.451	2.488	5.5	19.0	14 E	—	8*
10 3	13 7.84	− 7 56.8	3.485	2.501	3.6	18.9	9 E	—	3*
10 13	13 26.89	− 9 28.2	3.510	2.516	1.6	18.8	4 E	—	—
10 23	13 45.98	−10 55.6	3.528	2.533	0.4	18.7	1 W	—	—
11 2	14 5.08	−12 17.6	3.536	2.552	2.4	18.9	6 W	—	—
11 12	14 24.15	−13 33.5	3.536	2.573	4.3	19.1	11 W	4*	1*
11 22	14 43.11	−14 42.0	3.526	2.596	6.3	19.2	17 W	9*	6*
12 2	15 1.90	−15 42.4	3.506	2.620	8.2	19.3	22 W	12*	10*
12 12	15 20.43	−16 34.2	3.477	2.647	10.0	19.4	28 W	16*	15*
12 22	15 38.58	−17 16.6	3.437	2.675	11.8	19.4	34 W	18*	21*
1 1	15 56.24	−17 49.6	3.388	2.704	13.4	19.5	40 W	21*	28*
1 11	16 13.28	−18 12.8	3.329	2.735	14.9	19.5	46 W	22*	34*
1 21	16 29.52	−18 26.5	3.261	2.768	16.3	19.6	52 W	23*	41*
		159923 2004 YJ_{32}							
12 27	8 59.33	+17 14.8	1.808	2.661	12.8	20.5	143 W	62	47
1 6	8 50.00	+18 16.0	1.787	2.714	8.6	20.3	156 W	63	46
1 16	8 38.90	+19 21.5	1.794	2.765	4.0	20.1	169 W	64	45
1 26	8 27.17	+20 24.6	1.832	2.816	0.8	20.0	178 E	65	44
1 31	8 21.47	+20 53.5	1.862	2.840	2.9	20.2	172 E	66	43
2 5	8 16.06	+21 20.0	1.900	2.865	5.0	20.4	165 E	66	43
2 10	8 11.07	+21 43.7	1.946	2.889	7.0	20.6	159 E	67	42
2 15	8 6.62	+22 4.5	1.998	2.912	8.9	20.7	153 E	67	42
2 20	8 2.78	+22 22.2	2.058	2.936	10.6	20.9	147 E	67	42
2 25	7 59.60	+22 37.0	2.123	2.959	12.1	21.0	141 E	68	41
3 2	7 57.11	+22 49.0	2.193	2.981	13.5	21.2	135 E	68	41
3 7	7 55.31	+22 58.4	2.268	3.004	14.7	21.3	130 E	68	41
3 12	7 54.20	+23 5.3	2.348	3.026	15.7	21.4	125 E	68	41
		514041 2014 MQ_{18}							
12 27	9 0.19	+58 8.2	2.945	3.710	10.7	21.6	135 W	77	6
1 1	8 52.77	+58 35.0	2.943	3.731	10.2	21.6	138 W	76	5
1 6	8 44.63	+58 55.9	2.947	3.752	9.8	21.6	140 W	76	5
1 11	8 35.96	+59 10.1	2.958	3.772	9.5	21.6	141 W	76	5
1 16	8 26.97	+59 17.0	2.975	3.792	9.4	21.6	141 W	76	5
1 21	8 17.92	+59 16.2	2.999	3.812	9.4	21.6	141 W	76	5
1 26	8 9.05	+59 7.7	3.030	3.831	9.6	21.7	139 E	76	5
1 31	8 0.59	+58 51.8	3.067	3.850	10.0	21.7	137 E	76	5
2 5	7 52.73	+58 29.2	3.110	3.869	10.4	21.8	135 E	77	6
2 10	7 45.62	+58 0.6	3.159	3.888	10.9	21.8	132 E	77	6
2 15	7 39.38	+57 26.8	3.214	3.906	11.4	21.9	129 E	78	7
2 20	7 34.06	+56 48.7	3.274	3.925	11.9	22.0	125 E	78	7
		461918 2006 RJ_{108}							
12 27	9 0.20	+ 7 26.2	1.086	1.940	19.3	21.5	139 W	52	57
1 6	8 55.05	+ 7 18.7	0.996	1.912	14.9	21.1	150 W	52	57
1 16	8 46.23	+ 7 36.4	0.926	1.883	9.7	20.7	161 W	53	56
1 26	8 34.66	+ 8 19.8	0.878	1.854	5.5	20.4	170 W	53	56
1 31	8 28.36	+ 8 49.8	0.863	1.840	5.7	20.4	169 E	54	55
2 5	8 22.03	+ 9 24.1	0.853	1.825	7.7	20.4	166 E	54	55
2 10	8 15.97	+10 1.6	0.850	1.810	10.5	20.5	160 E	55	54
2 15	8 10.44	+10 41.1	0.853	1.796	13.6	20.6	155 E	56	53
2 20	8 5.68	+11 21.2	0.860	1.781	16.7	20.7	149 E	56	53

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
						(continuation)			
	h m	° ′			°	m	°	°	°
461918 2006 RJ_{108}									
2 25	8 1.90	+12 0.6	0.873	1.766	19.7	20.8	143 E	57	52
3 2	7 59.20	+12 38.5	0.889	1.752	22.5	20.9	137 E	58	51
3 7	7 57.67	+13 14.0	0.909	1.737	25.1	21.0	132 E	58	51
3 12	7 57.35	+13 46.6	0.931	1.723	27.4	21.2	127 E	59	50
3 17	7 58.23	+14 15.6	0.957	1.709	29.5	21.3	122 E	59	50
3 22	8 0.29	+14 40.8	0.983	1.694	31.4	21.3	118 E	60	49
3 27	8 3.46	+15 1.8	1.012	1.680	33.0	21.4	113 E	60	49
67729 2000 UQ_{23}									
12 27	9 1.26	+14 45.5	1.677	2.525	13.9	20.7	142 W	60	49
1 6	8 53.50	+15 25.5	1.623	2.544	9.7	20.5	154 W	60	49
1 16	8 43.50	+16 15.5	1.595	2.563	5.1	20.3	167 W	61	48
1 26	8 32.32	+17 9.8	1.596	2.581	0.6	20.0	178 E	62	47
1 31	8 26.70	+17 36.8	1.608	2.589	2.5	20.2	174 E	63	46
2 5	8 21.28	+18 2.6	1.627	2.597	4.8	20.3	167 E	63	46
2 10	8 16.21	+18 26.8	1.653	2.605	7.1	20.5	161 E	63	46
2 15	8 11.62	+18 49.0	1.686	2.613	9.3	20.6	155 E	64	45
2 20	8 7.64	+19 8.8	1.725	2.621	11.3	20.8	149 E	64	45
2 25	8 4.34	+19 26.0	1.771	2.628	13.2	20.9	143 E	64	45
3 2	8 1.77	+19 40.7	1.821	2.635	14.8	21.0	137 E	65	44
3 7	7 59.95	+19 52.8	1.876	2.642	16.3	21.2	132 E	65	44
3 12	7 58.89	+20 2.4	1.936	2.649	17.6	21.3	126 E	65	44
3 17	7 58.58	+20 9.5	1.998	2.655	18.7	21.4	121 E	65	44
3 22	7 59.00	+20 14.2	2.064	2.662	19.6	21.5	116 E	65	44
371797 2007 QQ_{12}									
12 27	9 1.35	− 5 2.1	1.305	2.096	20.3	20.0	132 W	40	69
1 6	8 54.31	− 2 55.2	1.269	2.141	15.8	19.8	144 W	42	67
1 16	8 44.91	− 0 11.0	1.256	2.187	10.9	19.7	155 W	45	64
1 26	8 34.44	+ 3 0.3	1.270	2.233	6.9	19.6	164 W	48	61
1 31	8 29.26	+ 4 41.1	1.288	2.256	6.1	19.6	166 E	50	59
2 5	8 24.36	+ 6 22.5	1.314	2.279	6.7	19.7	164 E	51	58
2 10	8 19.88	+ 8 2.2	1.347	2.302	8.1	19.8	161 E	53	56
2 15	8 15.97	+ 9 38.6	1.388	2.325	10.0	20.0	156 E	55	54
2 20	8 12.73	+11 10.0	1.436	2.347	12.0	20.2	150 E	56	53
2 25	8 10.23	+12 35.4	1.490	2.370	13.9	20.3	145 E	58	51
3 7	8 7.55	+15 5.9	1.616	2.415	17.1	20.7	134 E	60	49
3 17	8 7.92	+17 8.4	1.760	2.460	19.6	21.0	124 E	62	47
3 27	8 11.11	+18 44.1	1.918	2.504	21.2	21.2	115 E	64	45
4 6	8 16.73	+19 55.9	2.086	2.547	22.2	21.5	106 E	65	44
224004 2005 GX_{59}									
12 27	9 1.41	+10 18.2	2.069	2.894	12.6	21.2	140 W	55	54
1 6	8 54.40	+10 46.7	1.992	2.897	9.2	21.0	152 W	56	53
1 16	8 45.42	+11 27.8	1.940	2.898	5.4	20.8	164 W	56	53
1 26	8 35.26	+12 18.3	1.919	2.899	2.2	20.6	174 W	57	52
2 5	8 24.95	+13 13.6	1.928	2.899	4.1	20.7	168 E	58	51
2 15	8 15.51	+14 8.8	1.967	2.897	8.0	20.9	156 E	59	50
2 25	8 7.89	+15 0.0	2.033	2.895	11.5	21.2	144 E	60	49
3 7	8 2.65	+15 44.3	2.122	2.891	14.5	21.4	133 E	61	48
142464 2002 TC_9									
12 27	9 1.66	−30 10.2	0.506	1.279	44.5	19.0	114 W	15	86
1 1	9 3.07	−32 26.9	0.481	1.267	44.4	18.8	116 W	13	84
1 6	9 3.43	−34 36.2	0.456	1.256	44.4	18.7	117 W	10	81
1 11	9 2.65	−36 35.6	0.432	1.244	44.5	18.6	118 W	8	79
1 16	9 0.71	−38 22.4	0.409	1.232	44.6	18.4	118 W	7	78
1 21	8 57.62	−39 53.6	0.386	1.220	44.7	18.3	119 W	5	76
1 26	8 53.48	−41 6.4	0.364	1.208	44.9	18.1	120 W	4	75
1 31	8 48.41	−41 57.9	0.342	1.196	45.2	18.0	121 E	3	74
2 5	8 42.59	−42 24.6	0.320	1.184	45.5	17.8	121 E	3	74
2 10	8 36.30	−42 22.5	0.299	1.172	45.8	17.7	122 E	3	74
2 15	8 29.94	−41 47.5	0.278	1.160	46.2	17.5	122 E	3	74
2 20	8 23.98	−40 35.5	0.258	1.148	46.5	17.3	123 E	4	75
2 25	8 18.87	−38 42.4	0.238	1.137	47.0	17.1	123 E	6	77
3 2	8 15.01	−36 3.0	0.219	1.126	47.4	16.9	123 E	9	80
3 7	8 12.74	−32 30.4	0.200	1.115	47.9	16.7	123 E	12	83
3 12	8 12.41	−27 56.4	0.183	1.105	48.6	16.6	123 E	17	88
3 17	8 14.36	−22 12.6	0.168	1.096	49.5	16.4	123 E	23	86
3 22	8 18.83	−15 13.0	0.154	1.087	50.8	16.2	122 E	30	79
3 27	8 26.01	− 6 56.8	0.143	1.078	52.6	16.1	121 E	38	71
3 29	8 29.67	− 3 18.7	0.140	1.075	53.5	16.1	120 E	42	67
3 31	8 33.80	+ 0 28.8	0.138	1.072	54.6	16.0	119 E	45	64
4 2	8 38.39	+ 4 23.8	0.135	1.069	55.8	16.0	118 E	49	60
4 4	8 43.47	+ 8 24.0	0.134	1.067	57.1	16.0	116 E	53	56
4 6	8 49.05	+12 26.7	0.133	1.064	58.4	16.1	115 E	57	52
4 8	8 55.15	+16 28.9	0.134	1.062	59.9	16.1	113 E	61	48
4 10	9 1.78	+20 27.8	0.134	1.059	61.4	16.2	112 E	65	44
4 12	9 8.94	+24 20.5	0.136	1.057	62.8	16.2	110 E	69	40

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
						(continuation)			
	h m	° ′			°	m	°	°	°
142464 2002 TC_9									
4 14	9 16.66	+28 4.4	0.138	1.055	64.3	16.3	109 E	73	36
4 16	9 24.92	+31 37.5	0.140	1.053	65.7	16.4	107 E	77	32
4 18	9 33.73	+34 58.3	0.144	1.051	67.0	16.5	105 E	80	29
4 20	9 43.09	+38 5.7	0.147	1.050	68.3	16.5	104 E	83	26
4 22	9 52.97	+40 58.9	0.152	1.048	69.4	16.6	102 E	86	23
4 24	10 3.35	+43 37.9	0.156	1.047	70.4	16.7	101 E	89	20
4 26	10 14.20	+46 2.6	0.161	1.046	71.4	16.8	100 E	89	18
4 28	10 25.49	+48 13.3	0.166	1.045	72.2	16.9	99 E	87	16
4 30	10 37.17	+50 10.5	0.172	1.044	72.9	17.0	98 E	85	14
5 2	10 49.18	+51 54.7	0.177	1.044	73.5	17.1	97 E	83	12
5 4	11 1.48	+53 26.5	0.183	1.043	74.0	17.2	96 E	82	11
5 6	11 13.99	+54 46.6	0.189	1.043	74.4	17.3	95 E	80	9
5 8	11 26.66	+55 55.8	0.195	1.043	74.7	17.4	95 E	79	8
5 10	11 39.41	+56 54.7	0.201	1.043	75.0	17.4	94 E	78	7
5 12	11 52.18	+57 44.2	0.208	1.043	75.2	17.5	93 E	77	6
5 14	12 4.89	+58 25.0	0.214	1.044	75.3	17.6	93 E	77	6
5 16	12 17.48	+58 57.7	0.220	1.044	75.3	17.6	93 E	76	5
5 18	12 29.88	+59 23.1	0.226	1.045	75.3	17.7	92 E	76	5
5 20	12 42.05	+59 41.9	0.232	1.046	75.2	17.8	92 E	75	4
5 22	12 53.93	+59 54.5	0.238	1.047	75.1	17.8	92 E	75	4
5 24	13 5.48	+60 1.7	0.244	1.048	75.0	17.9	92 E	75	4
5 26	13 16.69	+60 3.8	0.250	1.050	74.8	17.9	91 E	75	4
5 31	13 43.01	+59 50.0	0.264	1.054	74.1	18.0	91 E	75	4
6 5	14 6.88	+59 12.7	0.277	1.059	73.3	18.1	92 E	76	5
6 10	14 28.46	+58 16.1	0.289	1.065	72.3	18.2	92 E	77	6
6 15	14 48.01	+57 2.9	0.300	1.072	71.2	18.2	92 E	78	7
6 20	15 5.83	+55 35.4	0.311	1.079	70.0	18.3	93 E	79	8
6 25	15 22.18	+53 54.9	0.320	1.088	68.7	18.3	94 E	81	10
6 30	15 37.31	+52 1.9	0.328	1.097	67.3	18.4	95 E	83	12
7 5	15 51.47	+49 56.2	0.336	1.107	65.9	18.4	97 E	85	14
7 10	16 4.89	+47 37.7	0.343	1.117	64.4	18.4	98 E	87	16
7 15	16 17.81	+45 6.4	0.349	1.127	62.8	18.4	99 E	90	19
7 20	16 30.39	+42 22.6	0.356	1.139	61.2	18.4	101 E	87	22
7 25	16 42.74	+39 27.1	0.362	1.150	59.6	18.4	103 E	84	25
7 30	16 54.95	+36 20.3	0.368	1.162	57.9	18.4	104 E	81	28
8 4	17 7.12	+33 3.2	0.376	1.173	56.3	18.5	106 E	78	31
8 9	17 19.33	+29 37.5	0.384	1.185	54.8	18.5	107 E	75	34
8 14	17 31.67	+26 5.6	0.394	1.198	53.3	18.5	108 E	71	38
8 19	17 44.17	+22 30.4	0.405	1.210	52.0	18.6	110 E	68	41
8 24	17 56.82	+18 55.2	0.418	1.222	50.8	18.6	110 E	64	45
8 29	18 9.64	+15 23.1	0.434	1.234	49.8	18.7	111 E	60	49
9 3	18 22.62	+11 57.1	0.452	1.246	49.0	18.8	111 E	57	52
9 8	18 35.79	+ 8 40.1	0.472	1.258	48.3	18.9	111 E	54	55
9 13	18 49.14	+ 5 34.8	0.495	1.269	47.8	19.0	111 E	51	58
9 18	19 2.64	+ 2 43.2	0.520	1.280	47.5	19.1	110 E	48	61
9 23	19 16.25	+ 0 6.5	0.548	1.291	47.2	19.2	109 E	45	64
10 3	19 43.69	− 4 19.7	0.610	1.313	46.9	19.5	107 E	41	68
10 13	20 11.30	− 7 43.0	0.681	1.332	46.8	19.8	103 E	37	72
10 23	20 38.87	−10 7.4	0.759	1.351	46.5	20.0	100 E	35	74*
10 28	20 52.56	−10 59.7	0.800	1.359	46.4	20.1	98 E	34	75*
11 2	21 6.18	−11 39.9	0.842	1.367	46.2	20.3	96 E	33	75*
11 7	21 19.71	−12 8.9	0.885	1.375	46.0	20.4	94 E	33	75*
11 12	21 33.15	−12 27.5	0.929	1.382	45.7	20.5	92 E	33	74*
11 17	21 46.48	−12 36.8	0.974	1.388	45.4	20.6	90 E	32	72*
11 22	21 59.70	−12 37.5	1.019	1.394	45.1	20.7	88 E	32	71*
11 27	22 12.79	−12 30.5	1.064	1.400	44.7	20.8	86 E	32	69*
12 2	22 25.78	−12 16.4	1.109	1.405	44.3	20.9	84 E	33	66*
12 7	22 38.66	−11 55.8	1.154	1.409	43.8	20.9	82 E	33	64*
12 12	22 51.44	−11 29.5	1.199	1.413	43.3	21.0	80 E	34	62*
12 17	23 4.13	−10 58.0	1.244	1.416	42.8	21.1	78 E	34	59*
12 22	23 16.74	−10 21.9	1.288	1.419	42.3	21.2	76 E	35	57*
12 27	23 29.26	− 9 41.7	1.331	1.421	41.7	21.2	74 E	35	55*
1 1	23 41.72	− 8 57.8	1.374	1.423	41.1	21.3	72 E	36*	53*
1 6	23 54.15	− 8 10.6	1.416	1.424	40.5	21.3	70 E	37*	50*
1 11	0 6.54	− 7 20.6	1.456	1.425	39.9	21.4	68 E	37*	48*
1 16	0 18.90	− 6 28.2	1.496	1.425	39.3	21.4	66 E	38*	46*
1 21	0 31.26	− 5 33.8	1.534	1.424	38.6	21.4	65 E	38*	45*
136146 2003 SA_{294}									
12 27	9 1.70	+18 48.2	1.840	2.691	12.7	21.2	143 W	64	45
1 6	8 54.09	+19 36.7	1.776	2.700	8.8	21.0	155 W	65	44
1 16	8 44.25	+20 31.3	1.739	2.708	4.5	20.8	168 W	66	43
1 26	8 33.14	+21 25.9	1.731	2.715	1.0	20.5	177 E	66	43
2 5	8 22.00	+22 14.7	1.753	2.721	5.0	20.8	166 E	67	42
2 15	8 12.06	+22 53.5	1.805	2.726	9.2	21.1	154 E	68	41
2 25	8 4.33	+23 20.6	1.882	2.730	12.9	21.3	142 E	68	41
147057 2002 RY_{106}									
12 27	9 2.38	+10 55.9	1.794	2.626	13.9	19.6	140 W	56	53
1 6	8 54.68	+11 8.5	1.741	2.650	10.0	19.4	152 W	56	53
1 16	8 44.95	+11 33.4	1.713	2.673	5.8	19.2	164 W	57	52
1 26	8 34.17	+12 7.1	1.715	2.695	2.4	19.0	173 W	57	52

147057 2002 RY_{106} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
1 31	8 28.77	+12 25.9	1.727	2.706	2.9	19.0	172 E	57	52
2 5	8 23.54	+12 45.2	1.746	2.717	4.6	19.2	167 E	58	51
2 10	8 18.64	+13 4.6	1.773	2.727	6.6	19.3	162 E	58	51
2 15	8 14.18	+13 23.5	1.806	2.737	8.5	19.5	156 E	58	51
2 25	8 7.00	+13 58.3	1.893	2.757	12.1	19.7	144 E	59	50
3 7	8 2.47	+14 27.4	2.001	2.775	15.1	20.0	133 E	59	50
3 17	8 0.72	+14 49.5	2.127	2.793	17.4	20.2	123 E	60	49
3 27	8 1.68	+15 3.9	2.265	2.810	19.1	20.4	113 E	60	49
4 6	8 5.04	+15 10.5	2.412	2.826	20.1	20.6	104 E	60	49
4 16	8 10.50	+15 9.2	2.563	2.841	20.6	20.7	96 E	59*	49
4 26	8 17.74	+15 0.0	2.716	2.855	20.6	20.9	88 E	55*	49
5 6	8 26.43	+14 43.2	2.867	2.869	20.3	21.0	80 E	49*	49*
5 16	8 36.32	+14 18.9	3.014	2.881	19.6	21.1	73 E	42*	48*
5 26	8 47.17	+13 47.3	3.156	2.892	18.6	21.2	66 E	35*	47*
6 5	8 58.78	+13 8.8	3.289	2.903	17.5	21.2	59 E	28*	44*
6 15	9 10.98	+12 23.7	3.414	2.912	16.1	21.3	53 E	22*	41*
6 25	9 23.66	+11 32.3	3.528	2.921	14.6	21.3	46 E	16*	37*
7 5	9 36.67	+10 35.0	3.631	2.928	12.9	21.3	40 E	11*	33*
7 15	9 49.96	+ 9 32.4	3.721	2.935	11.2	21.3	34 E	6*	28*
7 25	10 3.43	+ 8 24.9	3.797	2.941	9.4	21.3	28 E	3*	22*
8 4	10 17.03	+ 7 12.9	3.860	2.945	7.5	21.2	22 E	—	16*
8 14	10 30.72	+ 5 57.1	3.908	2.949	5.5	21.2	16 E	—	10*
8 24	10 44.44	+ 4 37.9	3.940	2.952	3.6	21.1	11 E	—	4*
9 3	10 58.16	+ 3 16.0	3.957	2.954	1.7	21.0	5 E	—	—
9 13	11 11.87	+ 1 51.8	3.959	2.955	1.2	20.9	4 W	—	—
9 23	11 25.50	+ 0 26.1	3.944	2.955	2.9	21.0	9 W	—	1*
10 3	11 39.05	− 1 0.5	3.913	2.954	4.8	21.1	14 W	6*	5*
10 13	11 52.48	− 2 27.4	3.866	2.952	6.8	21.2	21 W	12*	10*
10 23	12 5.73	− 3 53.8	3.803	2.949	8.7	21.2	27 W	17*	14*
11 2	12 18.78	− 5 19.2	3.725	2.945	10.6	21.3	33 W	22*	19*
11 12	12 31.54	− 6 42.7	3.633	2.941	12.4	21.3	40 W	26*	24*
11 22	12 43.95	− 8 3.6	3.527	2.935	14.1	21.3	46 W	30*	29*
12 2	12 55.91	− 9 21.2	3.409	2.928	15.7	21.3	53 W	32*	36*
12 12	13 7.31	−10 34.5	3.279	2.921	17.0	21.2	60 W	33*	43*
12 22	13 18.00	−11 42.8	3.140	2.912	18.2	21.1	68 W	33*	50*
1 1	13 27.82	−12 45.3	2.993	2.903	19.1	21.1	75 W	32	59*
1 11	13 36.55	−13 40.7	2.841	2.892	19.7	21.0	83 W	31	67*
1 21	13 43.96	−14 28.2	2.685	2.881	20.0	20.8	91 W	31	75*

333578 2006 KM_{103}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	9 3.23	− 7 2.0	0.662	1.501	29.9	21.4	131 W	38	71
1 6	8 50.08	− 5 39.4	0.654	1.554	22.8	21.2	142 W	39	70
1 16	8 33.87	− 3 20.9	0.663	1.605	15.9	21.1	154 W	42	67
1 26	8 17.32	− 0 21.2	0.694	1.655	11.5	21.1	160 E	45	64
2 5	8 3.13	+ 2 54.5	0.747	1.702	12.5	21.4	158 E	48	61
2 15	7 53.10	+ 6 2.5	0.823	1.748	16.7	21.8	149 E	51	58

65433 2002 TX_{238}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	9 3.27	+26 34.6	1.484	2.350	14.3	19.0	144 W	72	37
1 1	8 59.22	+27 13.7	1.468	2.369	12.1	18.9	150 W	72	37
1 6	8 54.42	+27 52.8	1.458	2.387	9.9	18.9	155 W	73	36
1 11	8 48.97	+28 30.9	1.454	2.405	7.7	18.8	161 W	74	35
1 16	8 43.05	+29 6.5	1.457	2.423	5.8	18.7	166 W	74	35
1 21	8 36.84	+29 38.7	1.467	2.440	4.5	18.7	169 W	75	34
1 26	8 30.58	+30 6.4	1.485	2.458	4.5	18.7	169 E	75	34
1 31	8 24.45	+30 29.1	1.509	2.475	5.8	18.8	165 E	75	34
2 5	8 18.65	+30 46.4	1.541	2.492	7.6	19.0	161 E	76	33
2 10	8 13.36	+30 58.4	1.579	2.509	9.5	19.1	155 E	76	33
2 15	8 8.71	+31 5.2	1.624	2.526	11.4	19.3	150 E	76	33
2 20	8 4.81	+31 7.3	1.674	2.542	13.2	19.4	144 E	76	33
2 25	8 1.73	+31 5.2	1.730	2.559	14.8	19.6	139 E	76	33
3 7	7 58.10	+30 50.3	1.855	2.590	17.5	19.8	128 E	76	33
3 17	7 57.75	+30 24.5	1.994	2.622	19.4	20.1	119 E	75	34
3 27	8 0.38	+29 50.6	2.145	2.652	20.8	20.3	110 E	75	34
4 6	8 5.53	+29 10.7	2.302	2.681	21.5	20.5	101 E	74	35
4 16	8 12.78	+28 25.7	2.462	2.709	21.7	20.7	93 E	72*	36
4 26	8 21.72	+27 36.2	2.623	2.737	21.5	20.8	86 E	66*	36
5 6	8 31.98	+26 42.5	2.783	2.763	21.0	21.0	78 E	59*	37*
5 16	8 43.28	+25 44.6	2.939	2.788	20.1	21.1	72 E	51*	37*
5 26	8 55.37	+24 42.7	3.089	2.813	19.0	21.2	65 E	44*	37*
6 5	9 8.05	+23 37.0	3.233	2.836	17.7	21.2	58 E	37*	36*
6 15	9 21.16	+22 27.6	3.367	2.859	16.3	21.3	52 E	30*	34*
6 25	9 34.58	+21 14.6	3.492	2.880	14.7	21.3	46 E	24*	32*
7 5	9 48.20	+19 58.6	3.605	2.901	13.0	21.4	40 E	19*	28*
7 15	10 1.95	+18 39.7	3.706	2.921	11.2	21.4	34 E	15*	24*
7 25	10 15.76	+17 18.4	3.795	2.939	9.4	21.4	28 E	11*	19*
8 4	10 29.58	+15 55.1	3.869	2.957	7.5	21.3	22 E	8*	14*
8 14	10 43.38	+14 30.3	3.929	2.973	5.6	21.3	17 E	5*	9*
8 24	10 57.11	+13 4.6	3.973	2.989	3.8	21.2	11 E	3*	3*
9 3	11 10.75	+11 38.4	4.002	3.003	2.3	21.2	7 E	1*	—
9 13	11 24.28	+10 12.3	4.015	3.017	2.1	21.2	6 E	—	—

65433 2002 TX_{238} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
9 23	11 37.65	+ 8 47.1	4.011	3.029	3.4	21.3	10 W	4*	—
10 3	11 50.84	+ 7 23.3	3.991	3.040	5.2	21.3	16 W	10*	—
10 13	12 3.83	+ 6 1.5	3.954	3.051	7.0	21.4	22 W	16*	3*
10 23	12 16.54	+ 4 42.7	3.901	3.060	8.8	21.5	28 W	22*	8*

21088 Chelyabinsk

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	9 4.28	+20 1.8	1.157	2.029	17.1	17.1	143 W	65	44
1 1	8 55.32	+18 58.7	1.127	2.036	14.2	16.9	150 W	64	45
1 6	8 45.31	+17 53.1	1.104	2.044	11.0	16.8	157 W	63	46
1 11	8 34.50	+16 45.3	1.088	2.051	7.7	16.6	164 W	62	47
1 16	8 23.19	+15 36.1	1.081	2.058	4.4	16.4	171 W	61	48
1 21	8 11.77	+14 26.4	1.083	2.064	2.6	16.3	174 E	59	50
1 26	8 0.60	+13 17.5	1.093	2.070	4.5	16.5	170 E	58	51
1 31	7 50.02	+12 10.8	1.112	2.076	7.7	16.7	164 E	57	52
2 5	7 40.31	+11 7.4	1.139	2.081	10.8	16.9	157 E	56	53
2 10	7 31.68	+10 8.4	1.173	2.086	13.8	17.0	150 E	55	54
2 15	7 24.28	+ 9 14.3	1.215	2.091	16.5	17.2	143 E	54	55
2 25	7 13.36	+ 7 41.0	1.313	2.098	20.9	17.5	131 E	53	56
3 7	7 7.41	+ 6 25.7	1.428	2.105	24.2	17.8	120 E	51	58
3 17	7 5.85	+ 5 24.3	1.552	2.109	26.3	18.1	110 E	50	59
3 27	7 7.97	+ 4 31.7	1.681	2.112	27.6	18.3	101 E	50	59
4 6	7 13.06	+ 3 43.6	1.811	2.114	28.2	18.5	93 E	47*	60*
4 16	7 20.57	+ 2 56.5	1.938	2.114	28.3	18.6	86 E	43*	61*
4 26	7 30.04	+ 2 7.3	2.060	2.112	27.9	18.7	79 E	38*	60*
5 6	7 41.06	+ 1 14.0	2.176	2.109	27.2	18.8	73 E	31*	59*
5 16	7 53.39	+ 0 15.0	2.283	2.104	26.2	18.9	67 E	24*	56*
5 26	8 6.78	− 0 51.0	2.381	2.097	25.1	18.9	62 E	17*	54*
6 5	8 21.07	− 2 4.9	2.468	2.089	23.9	19.0	57 E	11*	50*
6 15	8 36.13	− 3 27.3	2.546	2.080	22.6	19.0	52 E	4*	46*
6 25	8 51.88	− 4 58.8	2.612	2.069	21.3	19.0	48 E	—	41*
7 5	9 8.25	− 6 39.5	2.667	2.056	20.0	19.0	44 E	—	37*
7 15	9 25.22	− 8 29.5	2.712	2.042	18.7	19.0	40 E	—	31*
7 25	9 42.76	−10 28.8	2.746	2.027	17.5	18.9	37 E	—	26*
8 4	10 0.90	−12 37.1	2.770	2.009	16.4	18.9	34 E	—	21*
8 14	10 19.69	−14 54.2	2.784	1.991	15.4	18.9	31 E	—	17*
8 24	10 39.16	−17 19.3	2.789	1.971	14.6	18.8	29 E	—	12*
9 3	10 59.42	−19 51.6	2.786	1.949	13.9	18.8	28 E	—	9*
9 13	11 20.57	−22 30.1	2.775	1.927	13.4	18.7	26 W	—	6*
9 23	11 42.75	−25 13.1	2.758	1.903	13.2	18.7	26 W	—	9*
10 3	12 6.13	−27 58.7	2.734	1.877	13.1	18.6	25 W	—	11*
10 13	12 30.90	−30 44.6	2.706	1.851	13.2	18.6	25 W	—	13*
10 23	12 57.26	−33 27.5	2.673	1.823	13.4	18.5	25 W	—	14*
10 28	13 11.10	−34 46.8	2.656	1.809	13.6	18.5	25 W	—	15*
11 2	13 25.43	−36 3.9	2.637	1.794	13.8	18.5	26 W	—	16*
11 7	13 40.26	−37 18.4	2.618	1.780	14.1	18.4	26 W	—	17*
11 12	13 55.61	−38 29.5	2.598	1.765	14.3	18.4	26 W	—	17*
11 17	14 11.49	−39 36.5	2.577	1.750	14.6	18.4	27 W	—	18*
11 22	14 27.91	−40 38.9	2.556	1.734	15.0	18.4	27 W	—	19*
11 27	14 44.87	−41 35.8	2.534	1.719	15.3	18.3	27 W	—	19*
12 2	15 2.36	−42 26.6	2.512	1.703	15.7	18.3	28 W	—	20*
12 7	15 20.35	−43 10.6	2.489	1.687	16.1	18.3	28 W	—	20*
12 12	15 38.79	−43 47.0	2.466	1.671	16.5	18.3	29 W	—	21*
12 17	15 57.63	−44 15.2	2.442	1.655	16.9	18.2	29 W	—	21*
12 22	16 16.78	−44 34.5	2.418	1.639	17.4	18.2	30 W	—	22*
12 27	16 36.18	−44 44.5	2.393	1.623	17.9	18.2	30 W	—	23*
1 1	16 55.71	−44 44.8	2.367	1.607	18.4	18.1	31 W	—	23*
1 6	17 15.28	−44 34.9	2.342	1.591	18.9	18.1	32 W	—	24*
1 11	17 34.77	−44 14.9	2.315	1.575	19.5	18.1	32 W	—	24*
1 16	17 54.07	−43 44.5	2.288	1.559	20.1	18.1	33 W	—	25*
1 21	18 13.10	−43 3.8	2.260	1.543	20.8	18.0	34 W	—	26*

46433 2002 JQ_{67}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	9 4.37	+12 6.3	1.798	2.630	13.8	19.5	140 W	57	52
1 6	8 56.53	+12 12.6	1.739	2.649	10.0	19.3	152 W	57	52
1 16	8 46.55	+12 30.0	1.706	2.666	5.7	19.0	164 W	57	52
1 26	8 35.44	+12 55.1	1.702	2.683	2.2	18.8	174 W	58	51
1 31	8 29.84	+13 9.4	1.711	2.692	2.6	18.9	173 E	58	51
2 5	8 24.41	+13 24.0	1.728	2.699	4.5	19.0	168 E	58	51
2 10	8 19.28	+13 38.7	1.752	2.707	6.5	19.2	162 E	59	50
2 15	8 14.61	+13 53.0	1.783	2.715	8.6	19.3	156 E	59	50
2 25	8 7.00	+14 18.8	1.864	2.729	12.3	19.6	144 E	59	50
3 7	8 2.09	+14 39.4	1.968	2.742	15.4	19.8	133 E	60	49
3 17	8 0.05	+14 53.9	2.088	2.754	17.7	20.0	123 E	60	49
3 27	8 0.79	+15 1.5	2.221	2.766	19.4	20.2	113 E	60	49
4 6	8 4.01	+15 2.0	2.362	2.776	20.5	20.4	104 E	60	49
4 16	8 9.40	+14 55.3	2.507	2.785	21.0	20.6	95 E	59*	49
4 26	8 16.63	+14 41.3	2.653	2.794	21.1	20.7	87 E	54*	49
5 6	8 25.37	+14 19.9	2.798	2.801	20.8	20.8	80 E	48*	49*
5 16	8 35.36	+13 51.4	2.938	2.808	20.1	20.9	73 E	42*	49*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
46433 2002 JQ_{67} *(continuation)*									
	h m	° ′			°	m	°	°	°
5 26	8 46.35	+13 15.6	3.073	2.813	19.2	21.0	66 E	34*	47*
6 5	8 58.13	+12 33.0	3.200	2.818	18.0	21.0	59 E	28*	45*
6 15	9 10.56	+11 43.6	3.317	2.822	16.7	21.0	53 E	21*	42*
6 25	9 23.49	+10 47.8	3.424	2.824	15.2	21.1	47 E	15*	38*
7 5	9 36.80	+ 9 46.0	3.520	2.826	13.5	21.1	41 E	10*	33*
7 15	9 50.41	+ 8 38.4	3.604	2.827	11.8	21.1	35 E	6*	28*
7 25	10 4.25	+ 7 25.7	3.674	2.826	10.0	21.0	29 E	2*	23*
8 4	10 18.25	+ 6 8.1	3.731	2.825	8.1	21.0	23 E	—	17*
8 14	10 32.38	+ 4 46.2	3.774	2.823	6.1	20.9	17 E	—	11*
8 24	10 46.59	+ 3 20.6	3.802	2.820	4.2	20.8	12 E	—	5*
9 3	11 0.86	+ 1 51.7	3.815	2.816	2.4	20.7	7 E	—	—
9 13	11 15.15	+ 0 20.0	3.813	2.810	1.5	20.6	4 W	—	—
9 23	11 29.45	− 1 13.7	3.796	2.804	2.7	20.7	8 W	—	1*
10 3	11 43.74	− 2 48.9	3.763	2.797	4.6	20.8	13 W	4*	5*
10 13	11 57.98	− 4 25.1	3.715	2.789	6.6	20.9	19 W	9*	9*
10 23	12 12.14	− 6 1.4	3.653	2.780	8.6	20.9	25 W	14*	13*
11 2	12 26.21	− 7 37.4	3.576	2.770	10.5	20.9	31 W	19*	18*
11 12	12 40.12	− 9 12.3	3.486	2.759	12.4	21.0	37 W	23*	23*
11 22	12 53.82	−10 45.5	3.382	2.747	14.3	20.9	43 W	26*	28*
12 2	13 7.23	−12 16.2	3.267	2.735	16.0	20.9	50 W	29*	34*
12 12	13 20.27	−13 43.8	3.140	2.721	17.5	20.9	56 W	30*	41*
12 22	13 32.81	−15 7.5	3.005	2.706	18.9	20.8	63 W	30*	49*
1 1	13 44.71	−16 26.8	2.861	2.690	20.1	20.7	70 W	29	57*
1 11	13 55.78	−17 40.9	2.711	2.674	21.0	20.6	77 W	27	65*
1 21	14 5.80	−18 48.9	2.557	2.656	21.7	20.5	85 W	26	73*
26209 1997 RD_{1}									
12 27	9 4.55	+ 4 1.8	2.706	3.487	11.2	21.2	137 W	49	60
1 6	8 58.38	+ 4 22.2	2.637	3.507	8.6	21.0	148 W	49	60
1 16	8 50.80	+ 4 55.8	2.593	3.526	5.9	20.9	158 W	50	59
1 26	8 42.38	+ 5 40.9	2.579	3.545	3.7	20.8	167 W	51	58
2 5	8 33.86	+ 6 34.5	2.597	3.562	3.7	20.8	166 E	52	57
2 15	8 25.95	+ 7 32.6	2.645	3.579	6.0	21.0	158 E	53	56
2 25	8 19.30	+ 8 31.4	2.723	3.595	8.6	21.1	147 E	54	55
3 7	8 14.36	+ 9 27.3	2.826	3.610	10.9	21.3	136 E	54	55
435138 2007 GD_{49}									
12 27	9 4.67	+59 37.1	2.087	2.860	14.3	21.4	134 W	75	4
1 1	8 57.30	+60 34.5	2.092	2.882	13.7	21.4	136 W	74	3
1 6	8 48.73	+61 23.9	2.104	2.905	13.2	21.4	137 W	74	3
1 11	8 39.20	+62 3.9	2.121	2.927	13.0	21.4	138 W	73	2
1 16	8 29.00	+62 33.3	2.145	2.949	12.9	21.5	138 W	72	1
1 21	8 18.52	+62 51.5	2.174	2.971	13.0	21.5	137 W	72	1
1 26	8 8.16	+62 58.6	2.209	2.992	13.3	21.6	136 E	72	1
1 31	7 58.31	+62 55.0	2.249	3.013	13.7	21.6	134 E	72	1
2 5	7 49.28	+62 41.7	2.295	3.034	14.2	21.7	131 E	72	1
2 10	7 41.32	+62 19.8	2.346	3.055	14.7	21.8	128 E	73	2
2 15	7 34.60	+61 50.7	2.401	3.075	15.3	21.9	125 E	73	2
2 20	7 29.22	+61 15.8	2.460	3.095	15.8	22.0	122 E	74	3
156720 2002 TY_{66}									
12 27	9 4.72	−28 47.2	0.787	1.497	36.5	18.1	115 W	16	87
1 1	9 7.04	−30 8.1	0.770	1.498	35.8	18.1	117 W	15	86
1 6	9 8.48	−31 14.6	0.754	1.501	35.0	18.0	119 W	14	85
1 11	9 9.07	−32 5.0	0.739	1.505	34.1	17.9	121 W	13	84
1 16	9 8.87	−32 37.3	0.726	1.509	33.0	17.9	123 W	12	83
1 21	9 8.01	−32 49.9	0.714	1.515	31.9	17.8	126 W	12	83
1 26	9 6.66	−32 41.7	0.704	1.522	30.7	17.8	128 W	12	83
1 31	9 4.98	−32 12.1	0.696	1.531	29.4	17.7	130 W	13	84
2 5	9 3.20	−31 20.7	0.691	1.540	28.1	17.7	133 E	14	85
2 10	9 1.51	−30 7.9	0.688	1.550	26.9	17.6	135 E	15	86
2 15	9 0.16	−28 35.0	0.688	1.561	25.7	17.6	137 E	16	87
2 20	8 59.34	−26 44.2	0.691	1.573	24.8	17.6	138 E	18	89
2 25	8 59.21	−24 38.6	0.698	1.586	24.0	17.6	139 E	20	89
3 2	8 59.87	−22 21.9	0.709	1.599	23.6	17.7	140 E	23	86
3 7	9 1.36	−19 57.9	0.725	1.614	23.5	17.7	140 E	25	84
3 12	9 3.72	−17 30.6	0.745	1.629	23.7	17.8	139 E	27	82
3 17	9 6.93	−15 3.8	0.769	1.645	24.3	17.9	137 E	30	79
3 22	9 10.97	−12 41.1	0.798	1.661	25.0	18.1	135 E	32	77
3 27	9 15.76	−10 25.2	0.832	1.679	25.8	18.2	133 E	35	74
4 1	9 21.24	− 8 18.4	0.870	1.696	26.7	18.3	130 E	37	72
4 6	9 27.31	− 6 22.0	0.912	1.714	27.7	18.5	127 E	39	70
4 11	9 33.91	− 4 36.8	0.958	1.733	28.5	18.7	124 E	40	69
4 16	9 40.97	− 3 3.4	1.007	1.752	29.3	18.8	121 E	42	67
4 26	9 56.21	− 0 31.3	1.116	1.791	30.6	19.1	115 E	44	65
5 6	10 12.51	+ 1 17.6	1.236	1.831	31.4	19.4	109 E	46*	63
5 16	10 29.49	+ 2 28.5	1.365	1.873	31.7	19.7	103 E	45*	62
5 21	10 38.16	+ 2 51.6	1.433	1.894	31.7	19.8	100 E	44*	61
5 26	10 46.90	+ 3 7.3	1.502	1.915	31.7	19.9	97 E	43*	61
5 31	10 55.69	+ 3 16.5	1.573	1.936	31.5	20.1	94 E	42*	61
6 5	11 4.51	+ 3 19.8	1.645	1.957	31.2	20.2	92 E	40*	61

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
156720 2002 TY_{66} *(continuation)*									
	h m	° ′			°	m	°	°	°
6 15	11 22.20	+ 3 11.0	1.791	2.000	30.4	20.4	86 E	36*	61
6 25	11 39.90	+ 2 45.1	1.940	2.043	29.4	20.6	81 E	32*	61*
7 5	11 57.54	+ 2 6.0	2.090	2.086	28.2	20.7	76 E	29*	60*
7 15	12 15.12	+ 1 16.7	2.239	2.128	26.8	20.9	71 E	25*	58*
7 25	12 32.64	+ 0 19.9	2.387	2.171	25.2	21.0	65 E	23*	55*
8 4	12 50.09	− 0 42.1	2.532	2.213	23.5	21.1	60 E	21*	52*
8 14	13 7.51	− 1 47.4	2.672	2.254	21.7	21.3	55 E	19*	48*
8 24	13 24.89	− 2 54.2	2.807	2.295	19.8	21.3	50 E	17*	43*
9 3	13 42.26	− 4 1.1	2.936	2.335	17.8	21.4	45 E	16*	38*
9 13	13 59.64	− 5 6.8	3.056	2.375	15.8	21.5	40 E	15*	33*
513711 2012 PC_{20}									
12 27	9 5.27	+42 30.4	0.642	1.539	23.4	22.4	142 W	88	21
1 1	8 57.08	+42 54.7	0.614	1.532	20.8	22.2	146 W	88	21
1 6	8 46.57	+43 10.5	0.589	1.526	18.3	22.0	151 W	88	21
1 11	8 33.97	+43 13.0	0.570	1.518	16.0	21.9	155 W	88	21
1 16	8 19.80	+42 57.9	0.555	1.511	14.6	21.7	157 W	88	21
1 21	8 4.84	+42 22.1	0.545	1.502	14.5	21.7	158 E	87	22
1 26	7 49.97	+41 24.7	0.541	1.494	15.8	21.7	156 E	86	23
1 31	7 36.06	+40 7.2	0.541	1.484	18.3	21.8	152 E	85	24
2 5	7 23.77	+38 33.4	0.547	1.475	21.4	21.9	147 E	84	25
2 10	7 13.57	+36 47.7	0.557	1.465	24.8	22.0	142 E	82	27
2 15	7 5.69	+34 55.3	0.571	1.454	28.1	22.1	136 E	80	29
292227 2006 ST_{59}									
12 27	9 5.47	+ 6 48.6	1.850	2.661	14.4	20.7	138 W	52	57
1 6	8 57.97	+ 6 44.4	1.787	2.679	10.9	20.5	149 W	52	57
1 16	8 48.39	+ 6 55.8	1.750	2.696	7.1	20.3	160 W	52	57
1 26	8 37.65	+ 7 20.7	1.740	2.712	4.1	20.1	169 W	52	57
2 5	8 26.88	+ 7 55.7	1.760	2.727	5.1	20.2	166 E	53	56
2 10	8 21.84	+ 8 15.6	1.781	2.734	6.7	20.3	161 E	53	56
2 15	8 17.21	+ 8 36.4	1.809	2.741	8.5	20.5	156 E	54	55
2 20	8 13.10	+ 8 57.4	1.844	2.747	10.3	20.6	150 E	54	55
2 25	8 9.58	+ 9 18.2	1.885	2.753	12.0	20.7	145 E	54	55
3 2	8 6.72	+ 9 38.3	1.931	2.759	13.5	20.8	139 E	55	54
3 7	8 4.53	+ 9 57.3	1.983	2.765	15.0	20.9	134 E	55	54
3 12	8 3.05	+10 14.9	2.039	2.771	16.3	21.0	129 E	55	54
3 17	8 2.26	+10 31.0	2.099	2.776	17.4	21.1	124 E	56	53
3 22	8 2.16	+10 45.3	2.162	2.781	18.3	21.2	119 E	56	53
3 27	8 2.71	+10 57.6	2.228	2.786	19.1	21.3	114 E	56	53
4 1	8 3.88	+11 7.9	2.296	2.791	19.7	21.4	109 E	56	53
380509 2004 FY_{5}									
12 27	9 5.63	+11 27.5	0.600	1.493	25.2	18.4	140 W	56	53
1 6	9 13.39	+14 15.7	0.545	1.478	20.0	18.0	149 W	59	50
1 16	9 17.90	+18 0.9	0.505	1.467	13.7	17.6	159 W	63	46
1 26	9 19.46	+22 25.5	0.484	1.462	7.6	17.3	169 W	67	42
1 31	9 19.44	+24 42.1	0.480	1.461	6.3	17.2	171 W	70	39
2 5	9 19.10	+26 54.9	0.481	1.461	7.4	17.3	169 W	72	37
2 10	9 18.69	+28 58.8	0.487	1.462	10.0	17.4	165 E	74	35
2 15	9 18.44	+30 49.6	0.497	1.465	13.2	17.6	160 E	76	33
2 20	9 18.64	+32 24.2	0.511	1.469	16.4	17.8	155 E	77	32
2 25	9 19.48	+33 40.9	0.530	1.474	19.4	17.9	150 E	79	30
3 2	9 21.09	+34 39.4	0.552	1.480	22.2	18.1	146 E	80	29
3 7	9 23.57	+35 19.9	0.577	1.487	24.6	18.3	141 E	80	29
3 12	9 26.93	+35 43.5	0.605	1.496	26.8	18.5	137 E	81	28
3 17	9 31.20	+35 51.4	0.636	1.505	28.7	18.7	133 E	81	28
3 22	9 36.31	+35 45.1	0.669	1.516	30.3	18.8	130 E	81	28
3 27	9 42.20	+35 26.2	0.705	1.527	31.6	19.0	127 E	80	29
4 1	9 48.74	+34 56.2	0.743	1.539	32.8	19.2	124 E	80	29
4 6	9 55.85	+34 16.5	0.782	1.553	33.7	19.3	121 E	79	30
4 11	10 3.43	+33 28.3	0.824	1.567	34.4	19.5	118 E	78	31
4 16	10 11.40	+32 32.7	0.867	1.582	35.0	19.6	115 E	78	31
4 21	10 19.68	+31 30.7	0.912	1.597	35.5	19.8	113 E	77	32
4 26	10 28.21	+30 23.4	0.959	1.613	35.8	19.9	110 E	75	34
5 1	10 36.92	+29 11.4	1.008	1.630	36.0	20.0	108 E	74	35
5 6	10 45.74	+27 55.7	1.058	1.648	36.1	20.2	106 E	73	36
5 11	10 54.67	+26 36.8	1.109	1.666	36.1	20.3	104 E	71*	37
5 16	11 3.65	+25 15.3	1.162	1.684	36.0	20.4	101 E	69*	39
5 21	11 12.68	+23 51.8	1.217	1.703	35.9	20.6	99 E	67*	40
5 26	11 21.73	+22 26.7	1.273	1.723	35.7	20.7	97 E	64*	42
5 31	11 30.77	+21 0.6	1.330	1.743	35.4	20.8	95 E	61*	43
6 5	11 39.80	+19 33.8	1.389	1.763	35.1	20.9	93 E	58*	44
6 10	11 48.83	+18 6.6	1.449	1.783	34.7	21.0	91 E	55*	46
6 15	11 57.84	+16 39.3	1.510	1.804	34.3	21.1	89 E	52*	47
6 20	12 6.83	+15 12.1	1.572	1.825	33.8	21.2	87 E	49*	49
6 25	12 15.80	+13 45.5	1.635	1.846	33.3	21.3	85 E	46*	50
6 30	12 24.75	+12 19.5	1.699	1.867	32.7	21.4	83 E	44*	52
7 5	12 33.69	+10 54.4	1.764	1.888	32.1	21.5	81 E	41*	53*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
189040 2000 MU_1									
12 27	9 6.16	−10 6.9	0.274	1.172	41.4	19.1	128 W	35	74
1 1	9 23.73	−11 12.6	0.232	1.142	42.5	18.7	128 W	34	75
1 6	9 46.96	−12 14.7	0.193	1.112	44.4	18.3	128 W	33	76
1 11	10 19.64	−13 7.2	0.156	1.082	47.7	17.8	126 W	32	77
1 16	11 8.32	−13 31.9	0.124	1.052	53.6	17.4	121 W	31	78
1 17	11 20.78	−13 30.0	0.119	1.047	55.3	17.4	119 W	32	77
1 18	11 34.32	−13 24.4	0.114	1.041	57.2	17.3	117 W	32	77
1 19	11 49.00	−13 14.6	0.109	1.035	59.3	17.3	115 W	32	77
1 20	12 4.85	−12 59.7	0.105	1.029	61.6	17.3	113 W	32	77
1 21	12 21.86	−12 38.9	0.101	1.024	64.2	17.2	111 W	32	77
1 22	12 39.98	−12 11.8	0.098	1.018	67.0	17.2	108 W	33	76
1 23	12 59.09	−11 37.6	0.095	1.013	70.0	17.3	105 W	33	76
1 24	13 19.01	−10 56.4	0.093	1.007	73.2	17.3	102 W	34	75*
1 25	13 39.49	−10 8.4	0.092	1.002	76.6	17.4	98 W	35	74*
1 26	14 0.25	− 9 14.3	0.091	0.996	80.0	17.5	95 W	36	71*
1 27	14 20.97	− 8 15.4	0.091	0.991	83.5	17.6	91 W	37	69*
1 28	14 41.35	− 7 13.2	0.092	0.986	86.8	17.7	88 W	38	66*
1 29	15 1.10	− 6 9.4	0.094	0.980	90.1	17.9	84 W	39	62*
1 30	15 20.00	− 5 5.7	0.096	0.975	93.1	18.1	81 W	40	59*
1 31	15 37.88	− 4 3.4	0.099	0.970	96.0	18.2	78 W	41*	56*
2 1	15 54.66	− 3 3.8	0.102	0.965	98.5	18.4	76 W	42*	53*
2 2	16 10.29	− 2 7.7	0.106	0.960	100.8	18.6	73 W	42*	51*
2 3	16 24.78	− 1 15.4	0.111	0.955	102.9	18.8	71 W	43*	48*
2 4	16 38.16	− 0 27.3	0.115	0.950	104.7	19.0	69 W	43*	46*
2 5	16 50.50	+ 0 16.7	0.121	0.945	106.2	19.1	67 W	43*	44*
2 7	17 12.33	+ 1 32.7	0.132	0.936	108.7	19.4	64 W	43*	41*
2 9	17 30.92	+ 2 34.4	0.144	0.927	110.4	19.7	62 W	43*	38*
2 11	17 46.86	+ 3 24.1	0.157	0.918	111.6	20.0	60 W	42*	37*
2 13	18 0.66	+ 4 3.6	0.170	0.910	112.2	20.2	59 W	42*	35*
2 15	18 12.75	+ 4 35.0	0.184	0.902	112.5	20.3	58 W	42*	34*
2 17	18 23.48	+ 4 59.5	0.199	0.895	112.4	20.5	57 W	41*	34*
2 19	18 33.12	+ 5 18.4	0.213	0.888	112.2	20.6	56 W	41*	34*
2 21	18 41.88	+ 5 32.6	0.228	0.882	111.7	20.7	56 W	41*	34*
2 23	18 49.94	+ 5 42.9	0.243	0.876	111.0	20.8	56 W	40*	34*
2 25	18 57.43	+ 5 50.0	0.258	0.870	110.2	20.8	56 W	40*	34*
3 2	19 14.39	+ 5 56.8	0.297	0.859	107.8	21.0	56 W	39*	35*
3 7	19 29.69	+ 5 52.9	0.335	0.852	104.9	21.1	56 W	39*	36*
3 12	19 44.02	+ 5 42.6	0.374	0.848	101.7	21.1	57 W	38*	38*
3 17	19 57.77	+ 5 28.8	0.412	0.848	98.3	21.2	58 W	37*	40*
3 22	20 11.18	+ 5 13.5	0.448	0.853	94.9	21.2	58 W	37*	42*
3 27	20 24.38	+ 4 58.2	0.484	0.860	91.5	21.2	60 W	36*	43*
4 1	20 37.41	+ 4 43.9	0.517	0.872	88.1	21.3	61 W	36*	45*
4 6	20 50.28	+ 4 31.3	0.548	0.887	84.9	21.3	62 W	35*	47*
4 11	21 2.95	+ 4 20.7	0.576	0.905	81.9	21.4	63 W	34*	49*
4 16	21 15.36	+ 4 12.0	0.602	0.925	79.0	21.4	65 W	34*	50*
4 21	21 27.46	+ 4 4.7	0.624	0.948	76.3	21.4	67 W	34*	52*
4 26	21 39.22	+ 3 58.5	0.644	0.973	73.8	21.5	68 W	34*	53*
5 1	21 50.60	+ 3 52.8	0.660	1.000	71.5	21.5	70 W	34*	55*
45764 2000 LV									
12 27	9 7.04	+12 19.3	2.057	2.879	12.8	19.4	140 W	57	52
1 6	8 59.55	+12 26.0	1.999	2.902	9.3	19.2	152 W	57	52
1 16	8 50.17	+12 42.2	1.967	2.924	5.4	19.0	164 W	58	51
1 26	8 39.77	+13 5.1	1.964	2.945	2.0	18.8	174 W	58	51
2 5	8 29.37	+13 31.1	1.992	2.965	3.7	19.0	169 E	59	50
2 15	8 19.99	+13 56.9	2.050	2.985	7.4	19.3	157 E	59	50
2 25	8 12.48	+14 19.9	2.135	3.003	10.8	19.5	145 E	59	50
3 7	8 7.33	+14 38.3	2.244	3.021	13.6	19.7	134 E	60	49
3 17	8 4.73	+14 51.1	2.371	3.037	15.8	19.9	124 E	60	49
3 27	8 4.65	+14 57.6	2.511	3.053	17.4	20.1	114 E	60	49
4 6	8 6.87	+14 57.8	2.661	3.068	18.4	20.3	104 E	60	49
4 16	8 11.13	+14 51.5	2.816	3.082	18.9	20.5	96 E	59*	49
4 26	8 17.14	+14 38.7	2.972	3.095	19.0	20.6	87 E	54*	49
5 6	8 24.61	+14 19.3	3.126	3.107	18.6	20.7	80 E	48*	49*
5 16	8 33.29	+13 53.6	3.276	3.118	18.0	20.8	72 E	41*	48*
5 26	8 42.95	+13 21.5	3.420	3.129	17.1	20.9	65 E	34*	47*
6 5	8 53.40	+12 43.2	3.555	3.138	15.9	20.9	58 E	27*	44*
6 15	9 4.48	+11 59.1	3.680	3.147	14.6	20.9	51 E	20*	41*
6 25	9 16.05	+11 9.2	3.793	3.154	13.1	21.0	45 E	14*	36*
7 5	9 27.99	+10 13.9	3.894	3.161	11.5	21.0	38 E	9*	31*
7 15	9 40.22	+ 9 13.7	3.982	3.167	9.8	20.9	32 E	5*	26*
7 25	9 52.64	+ 8 8.7	4.054	3.171	8.0	20.9	26 E	1*	20*
8 4	10 5.20	+ 6 59.5	4.111	3.175	6.2	20.9	20 E	—	14*
8 14	10 17.84	+ 5 46.4	4.153	3.178	4.4	20.8	14 E	—	7*
8 24	10 30.50	+ 4 30.0	4.178	3.180	2.6	20.7	8 E	—	1*
9 3	10 43.15	+ 3 10.7	4.186	3.181	1.5	20.6	5 W	—	—
9 13	10 55.73	+ 1 48.9	4.177	3.181	2.3	20.7	7 W	—	1*
9 23	11 8.21	+ 0 25.4	4.151	3.181	4.0	20.8	13 W	3*	5*
10 3	11 20.54	− 0 59.5	4.109	3.179	5.9	20.8	19 W	9*	10*
10 13	11 32.67	− 2 25.2	4.049	3.176	7.7	20.9	25 W	15*	14*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
45764 2000 LV *(continuation)*									
10 23	11 44.54	− 3 50.9	3.974	3.173	9.5	20.9	32 W	20*	19*
11 2	11 56.09	− 5 16.1	3.883	3.168	11.3	20.9	39 W	25*	24*
11 12	12 7.24	− 6 40.2	3.778	3.163	12.9	20.9	45 W	29*	29*
11 22	12 17.88	− 8 2.4	3.659	3.157	14.4	20.9	53 W	32*	35*
12 2	12 27.91	− 9 21.9	3.528	3.150	15.7	20.9	60 W	34*	42*
12 12	12 37.17	−10 38.0	3.388	3.141	16.8	20.8	67 W	34*	49*
12 22	12 45.50	−11 49.7	3.238	3.132	17.7	20.8	75 W	33	57*
1 1	12 52.70	−12 56.1	3.084	3.122	18.2	20.7	83 W	32	66*
1 11	12 58.54	−13 55.8	2.925	3.112	18.4	20.5	92 W	31	74*
1 21	13 2.77	−14 47.7	2.768	3.100	18.2	20.4	100 W	30	79*
474392 2002 TF_{157}									
12 27	9 7.45	+16 43.8	1.253	2.110	17.0	20.7	141 W	62	47
1 6	9 0.59	+18 0.0	1.220	2.144	11.9	20.5	153 W	63	46
1 16	8 50.92	+19 26.4	1.209	2.177	6.3	20.3	166 W	64	45
1 26	8 39.81	+20 53.1	1.226	2.210	1.2	20.0	177 W	66	43
1 31	8 34.22	+21 33.3	1.244	2.226	2.7	20.2	174 E	67	42
2 5	8 28.89	+22 10.3	1.270	2.243	5.4	20.4	168 E	67	42
2 10	8 23.99	+22 43.2	1.302	2.259	8.0	20.6	161 E	68	41
2 15	8 19.69	+23 11.6	1.340	2.275	10.4	20.8	155 E	68	41
2 20	8 16.12	+23 35.4	1.384	2.291	12.7	21.0	149 E	69	40
2 25	8 13.36	+23 54.6	1.434	2.307	14.7	21.1	144 E	69	40
3 2	8 11.43	+24 9.3	1.488	2.323	16.5	21.3	138 E	69	40
3 7	8 10.35	+24 20.0	1.547	2.339	18.1	21.4	133 E	69	40
16912 Rhiannon									
12 27	9 7.88	−24 36.2	0.853	1.573	33.6	19.8	118 W	20	89
1 1	9 5.10	−24 20.7	0.836	1.591	31.7	19.8	122 W	21	88
1 6	9 1.28	−23 48.2	0.821	1.610	29.6	19.7	126 W	21	88
1 11	8 56.57	−22 57.0	0.808	1.628	27.4	19.6	130 W	22	87
1 16	8 51.15	−21 46.3	0.798	1.646	25.1	19.5	135 W	23	86
1 21	8 45.27	−20 15.9	0.792	1.665	22.8	19.5	139 W	25	84
1 26	8 39.23	−18 27.0	0.790	1.683	20.7	19.4	143 W	27	82
1 31	8 33.30	−16 21.7	0.794	1.701	19.0	19.4	146 E	29	80
2 5	8 27.73	−14 3.2	0.803	1.719	17.8	19.4	148 E	31	78
2 10	8 22.77	−11 35.4	0.818	1.737	17.3	19.5	149 E	33	76
2 15	8 18.61	− 9 2.6	0.838	1.755	17.4	19.6	148 E	36	73
2 20	8 15.40	− 6 29.2	0.865	1.773	18.2	19.7	146 E	39	70
2 25	8 13.21	− 3 59.1	0.898	1.790	19.5	19.8	143 E	41	68
3 2	8 12.07	− 1 35.4	0.936	1.807	20.9	20.0	139 E	43	66
3 7	8 11.94	+ 0 39.6	0.979	1.824	22.5	20.1	135 E	46	63
3 12	8 12.80	+ 2 44.4	1.027	1.841	24.0	20.3	131 E	48	61
3 17	8 14.60	+ 4 38.2	1.080	1.857	25.3	20.5	127 E	50	59
3 27	8 20.72	+ 7 52.0	1.195	1.889	27.6	20.8	119 E	53	56
4 6	8 29.65	+10 22.5	1.321	1.920	29.2	21.1	111 E	55	54
4 16	8 40.83	+12 14.3	1.456	1.950	30.1	21.4	103 E	57*	52
4 26	8 53.74	+13 32.7	1.595	1.978	30.4	21.6	96 E	57*	50
246138 2007 OG_3									
12 27	9 8.55	+18 13.8	1.536	2.383	15.0	21.5	141 W	63	46
1 1	9 3.78	+18 39.0	1.520	2.408	12.7	21.5	148 W	64	45
1 6	8 58.31	+19 6.1	1.510	2.432	10.2	21.4	154 W	64	45
1 11	8 52.26	+19 34.3	1.507	2.456	7.7	21.3	161 W	65	44
1 16	8 45.80	+20 2.7	1.511	2.480	5.1	21.2	167 W	65	44
1 21	8 39.12	+20 30.3	1.523	2.503	2.5	21.1	174 W	66	43
1 26	8 32.41	+20 56.3	1.542	2.526	0.8	21.0	178 E	66	43
1 31	8 25.86	+21 20.0	1.569	2.548	3.0	21.2	172 E	66	43
2 5	8 19.66	+21 40.8	1.603	2.570	5.4	21.4	166 E	67	42
2 10	8 13.96	+21 58.7	1.645	2.592	7.7	21.6	160 E	67	42
2 15	8 8.89	+22 13.3	1.693	2.613	9.8	21.8	153 E	67	42
2 20	8 4.55	+22 24.8	1.748	2.634	11.7	21.9	147 E	67	42
511684 2015 BN_{509}									
12 27	9 8.55	+13 59.6	0.498	1.402	26.8	21.1	140 W	59	50
1 1	9 2.60	+14 40.0	0.444	1.376	23.1	20.7	147 W	60	49
1 6	8 53.48	+15 38.0	0.393	1.348	18.6	20.3	154 W	61	48
1 11	8 40.28	+16 56.9	0.346	1.318	12.9	19.8	163 W	62	47
1 16	8 21.87	+18 39.1	0.304	1.285	5.8	19.1	172 W	64	45
1 21	7 57.02	+20 43.1	0.267	1.251	2.9	18.6	176 E	66	43
1 26	7 24.59	+23 1.0	0.238	1.214	13.4	18.8	163 E	68	41
1 28	7 9.38	+23 56.2	0.228	1.199	18.1	18.8	158 E	69	40
1 30	6 52.92	+24 48.9	0.220	1.183	23.1	18.9	152 E	70	39
2 1	6 35.31	+25 37.4	0.213	1.168	28.3	18.9	146 E	71	38
2 3	6 16.73	+26 19.6	0.207	1.151	33.7	19.0	140 E	71	38
2 5	5 57.38	+26 53.9	0.203	1.135	39.3	19.1	133 E	72	37
2 7	5 37.55	+27 18.8	0.200	1.118	45.0	19.2	127 E	72	37
2 9	5 17.53	+27 33.5	0.198	1.100	50.7	19.3	120 E	73	36
2 11	4 57.63	+27 37.8	0.198	1.082	56.5	19.4	114 E	73	36
2 13	4 38.10	+27 31.9	0.199	1.064	62.2	19.5	108 E	73	36*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		511684 2015 BN_{509}				*(continuation)*			
	h m	° ′			°	m	°	°	°
2 15	4 19.16	+27 16.6	0.200	1.046	67.8	19.7	101 E	72	36*
2 17	4 0.95	+26 53.1	0.203	1.027	73.4	19.9	95 E	72	36*
2 19	3 43.55	+26 22.4	0.206	1.007	78.9	20.0	89 E	71*	35*
2 21	3 26.99	+25 45.7	0.210	0.988	84.2	20.2	84 E	69*	33*
2 23	3 11.25	+25 3.8	0.214	0.968	89.5	20.4	78 E	66*	31*
2 25	2 56.29	+24 17.6	0.219	0.947	94.7	20.7	73 E	62*	29*
2 27	2 42.04	+23 27.7	0.225	0.927	99.9	20.9	67 E	58*	27*
3 1	2 28.45	+22 34.4	0.231	0.905	105.0	21.2	62 E	53*	25*
3 3	2 15.43	+21 38.2	0.238	0.884	110.1	21.5	57 E	49*	22*
		382438 1999 TK_{271}							
12 27	9 9.94	+21 42.1	1.851	2.692	13.1	21.4	142 W	67	42
1 6	9 1.69	+22 18.5	1.799	2.716	9.2	21.2	154 W	67	42
1 16	8 51.19	+22 56.9	1.773	2.738	5.0	21.0	166 W	68	41
1 26	8 39.47	+23 31.7	1.777	2.759	1.8	20.8	175 W	69	40
2 5	8 27.82	+23 57.9	1.812	2.780	4.7	21.0	167 E	69	40
2 15	8 17.46	+24 13.0	1.875	2.799	8.7	21.3	154 E	69	40
2 25	8 9.37	+24 16.6	1.965	2.818	12.3	21.6	143 E	69	40
		386504 2009 BP_{58}							
12 27	9 11.44	+28 14.6	1.245	2.109	16.7	21.7	142 W	73	36
1 1	9 6.32	+29 24.1	1.194	2.093	14.4	21.5	148 W	74	35
1 6	8 59.80	+30 37.9	1.149	2.077	12.1	21.3	154 W	76	33
1 11	8 51.87	+31 53.8	1.111	2.059	9.8	21.1	159 W	77	32
1 16	8 42.63	+33 9.4	1.079	2.041	8.0	21.0	163 W	78	31
1 21	8 32.25	+34 21.5	1.055	2.022	7.3	20.9	165 W	79	30
1 26	8 21.04	+35 27.3	1.039	2.002	8.2	20.9	163 E	80	29
1 31	8 9.35	+36 24.1	1.030	1.980	10.4	20.9	159 E	81	28
2 5	7 57.62	+37 10.3	1.029	1.958	13.3	21.0	153 E	82	27
2 10	7 46.30	+37 44.8	1.034	1.935	16.3	21.1	147 E	83	26
2 15	7 35.82	+38 7.9	1.045	1.911	19.3	21.2	140 E	83	26
2 20	7 26.53	+38 20.5	1.061	1.887	22.2	21.3	134 E	83	26
2 25	7 18.67	+38 24.0	1.082	1.861	24.9	21.4	128 E	83	26
3 2	7 12.38	+38 20.3	1.106	1.834	27.3	21.5	122 E	83	26
		142561 2002 TX_{68}							
12 27	9 13.05	+ 1 34.8	1.269	2.073	20.1	21.2	134 W	47	62
1 1	9 10.42	+ 1 52.9	1.218	2.064	18.2	21.0	139 W	47	62
1 6	9 6.85	+ 2 19.9	1.171	2.054	16.0	20.9	145 W	47	62
1 11	9 2.34	+ 2 56.2	1.129	2.044	13.7	20.7	151 W	48	61
1 16	8 56.98	+ 3 42.1	1.093	2.033	11.2	20.5	156 W	49	60
1 21	8 50.89	+ 4 37.3	1.063	2.022	8.6	20.4	162 W	50	59
1 26	8 44.23	+ 5 41.0	1.039	2.010	6.5	20.2	167 W	51	58
1 31	8 37.23	+ 6 52.0	1.023	1.998	5.6	20.1	169 E	52	57
2 5	8 30.10	+ 8 8.6	1.013	1.985	6.6	20.1	167 E	53	56
2 10	8 23.12	+ 9 28.9	1.010	1.972	8.9	20.2	162 E	54	55
2 15	8 16.55	+10 50.7	1.015	1.959	11.8	20.3	156 E	56	53
2 20	8 10.62	+12 12.0	1.025	1.945	14.7	20.4	150 E	57	52
2 25	8 5.55	+13 30.8	1.042	1.931	17.6	20.5	144 E	59	50
3 2	8 1.45	+14 46.0	1.063	1.917	20.3	20.7	138 E	60	49
3 7	7 58.44	+15 56.3	1.089	1.901	22.8	20.8	132 E	61	48
3 12	7 56.55	+17 1.3	1.119	1.886	25.1	20.9	126 E	62	47
3 17	7 55.81	+18 0.4	1.151	1.870	27.1	21.0	121 E	63	46
3 22	7 56.21	+18 53.6	1.186	1.854	28.9	21.1	116 E	64	45
3 27	7 57.71	+19 40.8	1.223	1.837	30.4	21.2	111 E	65	44
4 1	8 0.22	+20 22.1	1.260	1.821	31.7	21.3	107 E	65	44
4 6	8 3.70	+20 57.8	1.298	1.803	32.8	21.3	103 E	66	43
4 11	8 8.09	+21 27.9	1.337	1.786	33.7	21.4	99 E	66*	43
4 16	8 13.31	+21 52.6	1.375	1.768	34.5	21.5	95 E	66*	42
		173474 2000 RH_{104}							
12 27	9 13.32	+ 7 44.6	1.491	2.306	17.1	19.5	136 W	53	56
1 6	9 5.86	+ 7 32.5	1.440	2.332	13.0	19.3	148 W	53	56
1 16	8 55.87	+ 7 38.0	1.412	2.359	8.4	19.1	159 W	53	56
1 26	8 44.44	+ 7 58.9	1.410	2.384	4.6	18.9	169 W	53	56
1 31	8 38.63	+ 8 13.8	1.420	2.396	4.1	18.9	170 E	53	56
2 5	8 32.99	+ 8 30.8	1.437	2.409	5.1	19.0	167 E	54	55
2 10	8 27.68	+ 8 49.4	1.460	2.421	6.9	19.2	163 E	54	55
2 15	8 22.86	+ 9 8.7	1.491	2.433	9.0	19.3	157 E	54	55
2 20	8 18.66	+ 9 28.2	1.528	2.444	11.0	19.4	152 E	54	55
2 25	8 15.16	+ 9 47.2	1.571	2.456	13.0	19.6	146 E	55	54
3 7	8 10.44	+10 22.2	1.672	2.478	16.3	19.9	135 E	55	54
3 17	8 8.84	+10 50.9	1.790	2.500	19.0	20.1	125 E	56	53
3 27	8 10.22	+11 11.7	1.922	2.520	20.9	20.4	116 E	56	53
4 6	8 14.23	+11 23.5	2.062	2.540	22.1	20.6	107 E	56	53
4 16	8 20.47	+11 26.2	2.208	2.559	22.8	20.7	99 E	56*	53
4 26	8 28.59	+11 19.5	2.356	2.577	23.0	20.9	91 E	53*	53
5 6	8 38.21	+11 3.6	2.504	2.594	22.7	21.0	84 E	47*	53*
5 16	8 49.06	+10 38.8	2.649	2.611	22.1	21.2	77 E	41*	53*
5 26	9 0.87	+10 5.3	2.791	2.626	21.3	21.3	70 E	35*	51*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		173474 2000 RH_{104}				*(continuation)*			
	h m	° ′			°	m	°	°	°
6 5	9 13.43	+ 9 23.8	2.927	2.640	20.2	21.3	64 E	28*	50*
6 15	9 26.58	+ 8 34.6	3.055	2.654	18.9	21.4	58 E	22*	47*
6 25	9 40.19	+ 7 38.2	3.175	2.666	17.4	21.5	52 E	16*	43*
7 5	9 54.14	+ 6 35.3	3.286	2.678	15.8	21.5	46 E	11*	39*
7 15	10 8.35	+ 5 26.4	3.387	2.689	14.1	21.5	40 E	7*	34*
7 25	10 22.75	+ 4 12.0	3.475	2.698	12.3	21.5	34 E	3*	28*
8 4	10 37.30	+ 2 52.9	3.552	2.707	10.4	21.5	29 E	—	23*
8 14	10 51.95	+ 1 29.7	3.616	2.715	8.4	21.4	23 E	—	17*
8 24	11 6.68	+ 0 2.9	3.667	2.721	6.5	21.4	18 E	—	11*
9 3	11 21.45	− 1 26.8	3.704	2.727	4.6	21.3	12 E	—	6*
9 13	11 36.26	− 2 58.7	3.726	2.732	2.8	21.2	8 E	—	—
9 23	11 51.08	− 4 32.2	3.734	2.736	1.9	21.2	5 W	—	—
10 3	12 5.90	− 6 6.6	3.727	2.739	2.8	21.2	8 W	—	2*
10 13	12 20.70	− 7 41.2	3.705	2.740	4.6	21.3	13 W	3*	5*
10 23	12 35.45	− 9 15.4	3.667	2.741	6.6	21.4	18 W	8*	9*
11 2	12 50.12	−10 48.4	3.616	2.741	8.5	21.5	24 W	13*	14*
		236095 2005 NB							
12 27	9 13.41	−12 51.3	2.142	2.822	16.6	20.4	125 W	32	77
1 6	9 6.58	−13 46.4	2.077	2.844	14.5	20.3	133 W	31	78
1 16	8 57.77	−14 15.6	2.032	2.865	12.4	20.2	141 W	31	78
1 26	8 47.74	−14 15.9	2.011	2.886	10.8	20.1	147 W	31	78
2 5	8 37.45	−13 47.5	2.016	2.905	10.1	20.1	149 E	31	78
2 10	8 32.52	−13 23.5	2.028	2.914	10.3	20.1	148 E	32	77
2 15	8 27.90	−12 53.9	2.047	2.923	10.7	20.2	147 E	32	77
2 20	8 23.69	−12 19.6	2.072	2.932	11.4	20.2	144 E	33	76
2 25	8 19.99	−11 41.6	2.104	2.940	12.2	20.3	141 E	33	76
3 2	8 16.85	−11 0.9	2.141	2.948	13.1	20.4	137 E	34	75
3 7	8 14.31	−10 18.5	2.183	2.956	14.1	20.5	134 E	35	74
3 12	8 12.40	− 9 35.2	2.231	2.964	15.0	20.5	130 E	35	74
3 17	8 11.13	− 8 51.9	2.283	2.971	15.8	20.6	125 E	36	73
3 22	8 10.51	− 8 9.4	2.338	2.979	16.6	20.7	121 E	37	72
3 27	8 10.50	− 7 28.3	2.397	2.985	17.3	20.8	117 E	38	71
4 1	8 11.10	− 6 49.1	2.459	2.992	17.9	20.9	113 E	38	71
4 6	8 12.25	− 6 12.1	2.524	2.998	18.4	20.9	109 E	39	70
4 11	8 13.95	− 5 37.7	2.590	3.005	18.8	21.0	105 E	39*	70
4 16	8 16.15	− 5 6.1	2.658	3.010	19.1	21.1	101 E	39*	69
4 21	8 18.81	− 4 37.4	2.727	3.016	19.3	21.2	97 E	39*	69
4 26	8 21.90	− 4 11.8	2.797	3.021	19.4	21.2	93 E	37*	68
5 1	8 25.39	− 3 49.4	2.867	3.027	19.4	21.3	89 E	36*	68*
5 6	8 29.23	− 3 30.1	2.937	3.031	19.4	21.3	86 E	34*	67*
5 11	8 33.40	− 3 13.9	3.007	3.036	19.2	21.4	82 E	31*	66*
5 16	8 37.88	− 3 0.8	3.076	3.040	19.0	21.4	79 E	28*	65*
5 21	8 42.62	− 2 50.9	3.144	3.044	18.7	21.5	75 E	26*	63*
		276703 2004 BL_{11}							
12 27	9 13.68	+ 7 11.3	0.917	1.763	22.7	21.2	136 W	52	57
1 1	9 2.48	+ 8 7.9	0.906	1.797	18.8	21.1	144 W	53	56
1 6	8 50.18	+ 9 11.1	0.901	1.829	14.6	21.0	152 W	54	55
1 11	8 37.11	+10 18.6	0.905	1.860	10.4	20.9	160 W	55	54
1 16	8 23.71	+11 28.1	0.916	1.889	6.4	20.8	168 W	56	53
1 21	8 10.45	+12 37.1	0.937	1.917	3.8	20.7	173 E	58	51
1 26	7 57.79	+13 43.2	0.966	1.943	5.0	20.9	170 E	59	50
1 31	7 46.09	+14 44.8	1.004	1.969	8.2	21.2	163 E	60	49
2 5	7 35.65	+15 40.8	1.050	1.992	11.5	21.4	156 E	61	48
2 10	7 26.63	+16 30.9	1.102	2.015	14.5	21.6	149 E	62	47
2 15	7 19.12	+17 15.2	1.162	2.036	17.2	21.9	142 E	62	47
		206359 2003 QM_{47}							
12 27	9 13.85	−41 48.4	0.581	1.257	49.4	19.2	104 W	3	74
1 1	9 17.04	−40 26.1	0.550	1.262	48.0	19.0	107 W	5	76
1 6	9 19.18	−38 33.2	0.519	1.269	46.1	18.8	112 W	6	77
1 11	9 20.23	−36 3.1	0.487	1.277	43.6	18.7	116 W	9	80
1 16	9 20.25	−32 48.2	0.457	1.287	40.3	18.4	122 W	12	83
1 21	9 19.38	−28 41.3	0.430	1.297	36.3	18.2	129 W	16	87
1 26	9 17.78	−23 36.9	0.407	1.309	31.3	18.0	136 W	21	88
1 31	9 15.67	−17 34.7	0.389	1.322	25.6	17.7	145 W	27	82
2 5	9 13.31	−10 42.6	0.379	1.336	19.4	17.5	153 E	34	75
2 7	9 12.35	− 7 47.6	0.378	1.341	16.9	17.4	157 E	37	72
2 9	9 11.42	− 4 49.1	0.377	1.347	14.6	17.4	160 E	40	69
2 11	9 10.53	− 1 48.9	0.379	1.353	12.6	17.3	163 E	43	66
2 13	9 9.71	+ 1 11.1	0.382	1.359	11.0	17.3	165 E	46	63
2 15	9 8.97	+ 4 9.0	0.386	1.366	10.1	17.3	166 E	49	60
2 17	9 8.34	+ 7 3.1	0.393	1.372	10.1	17.3	166 E	52	57
2 19	9 7.82	+ 9 51.7	0.400	1.379	10.8	17.4	165 E	55	54
2 21	9 7.43	+12 33.6	0.409	1.385	12.2	17.5	163 E	58	51
2 23	9 7.18	+15 7.8	0.420	1.392	13.8	17.6	160 E	60	49
2 25	9 7.08	+17 33.4	0.432	1.399	15.6	17.8	158 E	63	46

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
206359 2003 QM_{47} *(continuation)*									
	h m	° ′			°	m	°	°	°
3 2	9 7.53	+22 57.7	0.467	1.417	20.1	18.1	151 E	68	41
3 7	9 9.02	+27 25.3	0.509	1.435	24.1	18.4	144 E	72	37
3 12	9 11.55	+31 0.3	0.556	1.453	27.4	18.8	138 E	76	33
3 17	9 15.13	+33 49.3	0.607	1.472	30.1	19.1	132 E	79	30
3 22	9 19.68	+35 59.6	0.661	1.492	32.2	19.3	127 E	81	28
3 27	9 25.10	+37 37.6	0.719	1.511	33.8	19.6	123 E	83	26
4 1	9 31.29	+38 49.0	0.778	1.531	35.0	19.8	118 E	84	25
4 6	9 38.13	+39 38.4	0.839	1.551	35.9	20.0	115 E	85	24
4 11	9 45.52	+40 9.4	0.901	1.571	36.5	20.2	111 E	85	24
4 16	9 53.38	+40 25.0	0.963	1.592	36.8	20.4	108 E	85	24
4 21	10 1.63	+40 27.6	1.027	1.612	37.0	20.6	105 E	85	24
4 26	10 10.18	+40 19.2	1.091	1.633	37.0	20.8	102 E	85	24
5 1	10 18.95	+40 1.5	1.155	1.653	36.9	20.9	99 E	85	24
5 6	10 27.90	+39 35.7	1.219	1.674	36.8	21.0	97 E	84*	24
5 11	10 36.99	+39 2.8	1.284	1.694	36.5	21.2	94 E	82*	25
5 16	10 46.17	+38 23.8	1.348	1.714	36.1	21.3	92 E	79*	26
5 21	10 55.43	+37 39.6	1.412	1.734	35.7	21.4	90 E	76*	26
366366 2000 PR_9									
12 27	9 13.85	+12 38.1	0.758	1.629	23.7	18.1	138 W	58	51
1 1	9 6.74	+10 56.9	0.752	1.653	20.3	18.0	144 W	56	53
1 6	8 58.64	+ 9 20.6	0.751	1.677	16.9	17.9	150 W	54	55
1 11	8 49.83	+ 7 50.9	0.755	1.702	13.5	17.8	156 W	53	56
1 16	8 40.66	+ 6 29.1	0.766	1.726	10.6	17.8	161 W	51	58
1 21	8 31.50	+ 5 16.6	0.783	1.751	8.6	17.8	165 W	50	59
1 26	8 22.70	+ 4 14.1	0.806	1.776	8.1	17.8	165 E	49	60
2 5	8 7.32	+ 2 39.2	0.872	1.827	11.3	18.2	159 E	48	61
2 15	7 56.12	+ 1 40.4	0.961	1.877	15.8	18.6	149 E	47	62
2 25	7 49.67	+ 1 8.6	1.070	1.928	19.8	19.1	139 E	46	63
3 2	7 48.16	+ 0 59.7	1.130	1.953	21.4	19.3	134 E	46	63
3 7	7 47.69	+ 0 53.8	1.194	1.978	22.8	19.5	129 E	46	63
3 12	7 48.18	+ 0 50.1	1.261	2.003	24.0	19.6	125 E	46	63
3 17	7 49.56	+ 0 47.7	1.330	2.028	24.9	19.8	121 E	46	63
3 27	7 54.59	+ 0 43.7	1.475	2.077	26.3	20.1	113 E	46	63
4 6	8 2.11	+ 0 37.8	1.627	2.126	27.0	20.4	106 E	46	63
4 16	8 11.58	+ 0 27.1	1.783	2.174	27.2	20.7	99 E	45*	64
4 26	8 22.56	+ 0 9.9	1.942	2.220	26.9	20.9	92 E	42*	64
5 6	8 34.66	− 0 14.8	2.102	2.266	26.4	21.1	86 E	37*	64*
5 16	8 47.64	− 0 47.3	2.261	2.311	25.5	21.3	80 E	32*	64*
5 26	9 1.26	− 1 27.9	2.417	2.355	24.5	21.4	74 E	26*	62*
457768 2009 KN_4									
12 27	9 14.11	+18 46.6	1.311	2.159	17.0	21.5	140 W	64	45
1 1	9 7.87	+18 57.1	1.298	2.187	14.3	21.4	147 W	64	45
1 6	9 0.83	+19 9.2	1.291	2.215	11.5	21.3	153 W	64	45
1 11	8 53.15	+19 22.1	1.291	2.242	8.5	21.2	160 W	64	45
1 16	8 45.06	+19 34.8	1.299	2.268	5.5	21.1	167 W	65	44
1 21	8 36.80	+19 46.5	1.313	2.294	2.5	21.0	174 W	65	44
1 26	8 28.63	+19 56.6	1.336	2.320	0.7	20.9	178 E	65	44
1 31	8 20.78	+20 4.6	1.366	2.345	3.5	21.2	172 E	65	44
2 5	8 13.47	+20 10.4	1.403	2.369	6.2	21.4	165 E	65	44
2 10	8 6.85	+20 13.8	1.448	2.393	8.7	21.6	158 E	65	44
2 15	8 1.08	+20 14.9	1.499	2.416	11.1	21.8	152 E	65	44
2 20	7 56.22	+20 14.0	1.557	2.439	13.2	22.0	146 E	65	44
6455 1992 *HE*									
12 27	9 14.64	+67 50.2	2.828	3.524	12.6	19.7	128 W	67	—
1 1	9 5.93	+68 40.3	2.814	3.523	12.4	19.7	130 W	66	—
1 6	8 55.59	+69 23.7	2.805	3.523	12.3	19.7	130 W	66	—
1 11	8 43.80	+69 58.8	2.801	3.521	12.2	19.7	131 W	65	—
1 16	8 30.88	+70 24.3	2.803	3.520	12.3	19.7	130 W	65	—
1 18	8 25.49	+70 31.5	2.806	3.519	12.4	19.7	130 W	64	—
1 20	8 20.03	+70 37.1	2.809	3.518	12.5	19.7	130 W	64	—
1 22	8 14.52	+70 40.8	2.813	3.517	12.5	19.7	129 E	64	—
1 24	8 9.02	+70 42.8	2.818	3.517	12.7	19.7	129 E	64	—
1 26	8 3.54	+70 43.1	2.824	3.516	12.8	19.7	128 E	64	—
1 28	7 58.13	+70 41.6	2.831	3.515	12.9	19.7	127 E	64	—
1 30	7 52.82	+70 38.4	2.839	3.514	13.0	19.8	126 E	64	—
2 1	7 47.64	+70 33.6	2.847	3.513	13.2	19.8	126 E	64	—
2 3	7 42.62	+70 27.2	2.856	3.511	13.3	19.8	125 E	65	—
2 5	7 37.79	+70 19.3	2.866	3.510	13.5	19.8	124 E	65	—
2 7	7 33.16	+70 9.9	2.876	3.509	13.7	19.8	123 E	65	—
2 9	7 28.77	+69 59.1	2.888	3.508	13.9	19.8	122 E	65	—
2 11	7 24.63	+69 47.1	2.900	3.506	14.0	19.8	121 E	65	—
2 13	7 20.74	+69 33.8	2.912	3.505	14.2	19.8	119 E	65	—
2 15	7 17.12	+69 19.5	2.926	3.503	14.4	19.9	118 E	66	—
2 20	7 9.29	+68 39.5	2.962	3.499	14.8	19.9	115 E	66	—
2 25	7 3.19	+67 54.6	3.001	3.495	15.2	19.9	112 E	67	—

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
6455 1992 *HE* *(continuation)*									
	h m	° ′			°	m	°	°	°
3 2	6 58.75	+67 6.2	3.044	3.490	15.6	20.0	109 E	68	—
3 7	6 55.85	+66 15.3	3.089	3.485	15.9	20.0	105 E	69	—
3 12	6 54.37	+65 22.8	3.136	3.480	16.2	20.1	102 E	70	—
3 17	6 54.16	+64 29.4	3.185	3.474	16.5	20.1	99 E	71	—
3 22	6 55.09	+63 35.7	3.235	3.468	16.6	20.1	95 E	71	—
3 27	6 57.02	+62 42.0	3.286	3.462	16.7	20.2	92 E	72*	1
4 1	6 59.81	+61 48.8	3.338	3.455	16.8	20.2	88 E	72*	2
4 6	7 3.36	+60 56.1	3.389	3.448	16.8	20.2	85 E	72*	3*
4 11	7 7.58	+60 4.0	3.441	3.441	16.7	20.3	82 E	71*	4*
4 16	7 12.38	+59 12.7	3.492	3.433	16.6	20.3	78 E	69*	5*
4 21	7 17.69	+58 22.1	3.542	3.425	16.5	20.3	75 E	67*	5*
4 26	7 23.43	+57 32.2	3.591	3.416	16.3	20.3	72 E	65*	6*
5 1	7 29.54	+56 42.9	3.638	3.408	16.0	20.3	69 E	62*	6*
5 6	7 35.97	+55 54.3	3.684	3.398	15.7	20.3	66 E	60*	7*
5 11	7 42.69	+55 6.1	3.728	3.389	15.4	20.4	63 E	57*	7*
5 16	7 49.65	+54 18.4	3.770	3.379	15.0	20.4	60 E	54*	7*
5 21	7 56.81	+53 31.1	3.809	3.369	14.6	20.4	57 E	51*	7*
5 26	8 4.14	+52 44.0	3.846	3.358	14.2	20.4	54 E	48*	8*
6 5	8 19.20	+51 10.6	3.912	3.336	13.3	20.4	49 E	43*	7*
6 15	8 34.67	+49 37.5	3.967	3.312	12.3	20.3	44 E	38*	6*
6 25	8 50.40	+48 4.5	4.008	3.287	11.3	20.3	39 E	33*	5*
7 5	9 6.26	+46 31.3	4.036	3.260	10.4	20.3	35 E	29*	3*
7 15	9 22.19	+44 57.9	4.051	3.232	9.5	20.2	32 E	26*	1*
7 25	9 38.11	+43 24.3	4.051	3.202	8.9	20.2	29 E	23*	—
8 4	9 53.97	+41 50.6	4.036	3.171	8.5	20.1	27 E	20*	—
8 14	10 9.74	+40 17.2	4.007	3.138	8.4	20.1	27 E	18*	—
8 24	10 25.39	+38 44.3	3.963	3.104	8.7	20.0	28 E	16*	—
9 3	10 40.89	+37 12.4	3.904	3.068	9.3	20.0	30 W	17*	—
9 13	10 56.24	+35 42.1	3.831	3.030	10.3	20.0	32 W	21*	—
9 23	11 11.40	+34 14.1	3.744	2.991	11.4	19.9	36 W	26*	—
10 3	11 26.36	+32 49.1	3.643	2.950	12.6	19.9	40 W	31*	—
10 13	11 41.11	+31 28.0	3.530	2.908	14.0	19.9	45 W	36*	—
10 23	11 55.60	+30 11.7	3.404	2.864	15.4	19.8	50 W	42*	—
11 2	12 9.80	+29 1.2	3.267	2.818	16.8	19.7	55 W	48*	3*
11 12	12 23.65	+27 57.9	3.120	2.770	18.1	19.6	61 W	54*	8*
11 22	12 37.07	+27 2.9	2.964	2.721	19.4	19.5	66 W	60*	12*
12 2	12 49.97	+26 17.6	2.800	2.670	20.6	19.4	72 W	65*	17*
12 12	13 2.19	+25 43.6	2.630	2.617	21.6	19.2	78 W	69*	22*
12 22	13 13.57	+25 22.4	2.456	2.562	22.5	19.1	85 W	70*	27*
1 1	13 23.86	+25 15.6	2.280	2.505	23.1	18.9	91 W	70	31*
1 11	13 32.74	+25 25.0	2.103	2.447	23.4	18.7	98 W	70	35*
1 21	13 39.79	+25 51.7	1.929	2.386	23.4	18.4	105 W	71	37*
331614 2001 YA_{137}									
12 27	9 15.13	+ 2 3.3	1.877	2.650	15.7	20.0	133 W	47	62
1 6	9 6.90	+ 1 5.7	1.821	2.679	12.5	19.9	144 W	46	63
1 16	8 56.56	+ 0 25.7	1.790	2.708	9.2	19.7	154 W	45	64
1 26	8 45.03	+ 0 4.5	1.786	2.736	6.7	19.6	161 W	45	64
2 5	8 33.48	+ 0 1.1	1.811	2.763	6.6	19.7	161 E	45	64
2 15	8 23.02	+ 0 12.6	1.866	2.789	8.9	19.9	154 E	45	64
2 25	8 14.58	+ 0 34.4	1.948	2.814	11.7	20.1	145 E	46	63
3 7	8 8.69	+ 1 1.5	2.052	2.838	14.4	20.3	135 E	46	63
3 17	8 5.56	+ 1 29.5	2.175	2.862	16.6	20.6	125 E	46	63
3 27	8 5.11	+ 1 54.8	2.312	2.884	18.2	20.8	115 E	47	62
4 6	8 7.10	+ 2 14.8	2.458	2.906	19.3	20.9	107 E	47	62
4 16	8 11.22	+ 2 28.0	2.610	2.927	19.8	21.1	98 E	47*	62
4 26	8 17.16	+ 2 33.4	2.764	2.946	20.0	21.3	90 E	43*	61
5 6	8 24.62	+ 2 30.4	2.918	2.965	19.7	21.4	83 E	38*	61*
5 16	8 33.32	+ 2 18.9	3.069	2.983	19.2	21.5	76 E	32*	59*
438018 2003 YQ_{17}									
12 27	9 15.39	+ 4 20.1	1.974	2.754	14.8	19.9	134 W	49	60
1 6	9 6.16	+ 3 22.1	1.929	2.796	11.5	19.8	145 W	48	61
1 16	8 55.03	+ 2 39.4	1.910	2.837	8.1	19.6	156 W	48	61
1 26	8 42.96	+ 2 12.7	1.921	2.877	5.7	19.6	163 W	47	62
2 5	8 31.08	+ 2 0.9	1.962	2.917	5.9	19.7	162 E	47	62
2 15	8 20.45	+ 2 1.4	2.033	2.956	8.3	19.9	154 E	47	62
2 25	8 11.89	+ 2 10.6	2.132	2.993	11.1	20.1	144 E	47	62
3 7	8 5.84	+ 2 24.5	2.255	3.030	13.6	20.4	134 E	47	62
3 17	8 2.43	+ 2 39.5	2.396	3.066	15.6	20.6	124 E	48	61
3 27	8 1.57	+ 2 52.7	2.551	3.100	17.0	20.8	114 E	48	61
4 6	8 3.01	+ 3 2.0	2.716	3.134	17.9	21.0	105 E	48	61
4 16	8 6.45	+ 3 6.0	2.886	3.167	18.3	21.2	97 E	47*	61
4 26	8 11.59	+ 3 3.6	3.058	3.199	18.3	21.3	89 E	43*	61*
5 6	8 18.13	+ 2 54.5	3.228	3.230	18.0	21.4	81 E	38*	60*
161775 2006 TG_{108}									
12 27	9 15.58	+24 40.6	1.242	2.099	17.2	18.9	141 W	70	39
1 1	9 12.81	+26 10.9	1.225	2.116	14.9	18.8	147 W	71	38
1 6	9 9.09	+27 43.7	1.213	2.132	12.5	18.7	152 W	73	36
1 11	9 4.50	+29 16.7	1.208	2.149	10.1	18.6	157 W	74	35

161775 2006 TG_{108} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
1 16	8 59.18	+30 47.5	1.209	2.165	8.1	18.6	162 W	76	33
1 21	8 53.31	+32 13.8	1.217	2.182	6.8	18.5	165 W	77	32
1 26	8 47.14	+33 33.3	1.233	2.199	6.7	18.6	165 W	79	30
1 31	8 40.89	+34 44.4	1.256	2.215	7.7	18.7	162 E	80	29
2 5	8 34.81	+35 46.1	1.285	2.231	9.4	18.8	158 E	81	28
2 10	8 29.14	+36 37.7	1.321	2.248	11.3	19.0	153 E	82	27
2 15	8 24.07	+37 19.2	1.363	2.264	13.3	19.1	148 E	82	27
2 20	8 19.79	+37 51.1	1.411	2.280	15.1	19.3	143 E	83	26
2 25	8 16.41	+38 14.2	1.463	2.296	16.8	19.4	138 E	83	26
3 2	8 13.98	+38 29.4	1.520	2.312	18.3	19.6	133 E	83	26
3 7	8 12.52	+38 37.7	1.581	2.327	19.6	19.7	128 E	84	25
3 12	8 12.02	+38 39.9	1.646	2.343	20.8	19.9	123 E	84	25
3 17	8 12.46	+38 36.9	1.713	2.358	21.7	20.0	119 E	84	25
3 22	8 13.78	+38 29.4	1.783	2.374	22.5	20.1	114 E	83	26
3 27	8 15.91	+38 18.0	1.854	2.389	23.1	20.2	110 E	83	26
4 1	8 18.79	+38 3.3	1.927	2.404	23.5	20.3	106 E	83	26
4 6	8 22.33	+37 45.7	2.001	2.419	23.9	20.4	102 E	83	26
4 11	8 26.48	+37 25.4	2.076	2.433	24.0	20.5	98 E	82	27
4 16	8 31.16	+37 2.7	2.152	2.448	24.1	20.6	95 E	81*	27
4 21	8 36.33	+36 37.9	2.228	2.462	24.1	20.7	91 E	78*	27
4 26	8 41.91	+36 11.1	2.303	2.476	24.0	20.8	88 E	75*	28
5 1	8 47.86	+35 42.5	2.379	2.490	23.7	20.9	84 E	72*	28
5 6	8 54.11	+35 12.1	2.453	2.504	23.5	20.9	81 E	68*	29
5 11	9 0.65	+34 40.1	2.528	2.517	23.1	21.0	78 E	64*	29*
5 16	9 7.42	+34 6.6	2.601	2.531	22.7	21.1	75 E	61*	30*
5 21	9 14.40	+33 31.6	2.673	2.544	22.2	21.1	72 E	57*	30*
5 26	9 21.54	+32 55.2	2.744	2.557	21.7	21.2	69 E	53*	30*
5 31	9 28.82	+32 17.5	2.813	2.570	21.1	21.2	66 E	50*	31*
6 5	9 36.23	+31 38.7	2.881	2.582	20.5	21.3	63 E	46*	31*
6 10	9 43.73	+30 58.6	2.947	2.595	19.8	21.3	60 E	43*	31*
6 15	9 51.32	+30 17.5	3.011	2.607	19.1	21.3	57 E	40*	30*
6 20	9 58.98	+29 35.3	3.074	2.619	18.4	21.4	55 E	37*	30*
6 25	10 6.68	+28 52.3	3.134	2.630	17.7	21.4	52 E	35*	29*
6 30	10 14.42	+28 8.4	3.192	2.642	16.9	21.4	49 E	32*	28*
7 5	10 22.19	+27 23.8	3.248	2.653	16.2	21.4	47 E	30*	27*
7 10	10 29.98	+26 38.4	3.301	2.664	15.4	21.5	44 E	28*	26*
7 15	10 37.79	+25 52.5	3.352	2.675	14.6	21.5	41 E	26*	25*
7 20	10 45.60	+25 6.0	3.400	2.686	13.7	21.5	39 E	24*	23*
7 25	10 53.42	+24 19.1	3.445	2.696	12.9	21.5	36 E	22*	22*

62268 2000 SQ_{90}

12 27	9 16.12	+ 4 25.4	2.440	3.205	12.7	20.3	134 W	49	60
1 6	9 10.04	+ 4 20.6	2.349	3.207	10.1	20.1	145 W	49	60
1 16	9 2.12	+ 4 29.5	2.283	3.207	7.1	19.9	156 W	49	60
1 26	8 52.96	+ 4 51.6	2.245	3.207	4.5	19.8	165 W	50	59
2 5	8 43.37	+ 5 24.5	2.238	3.206	4.0	19.7	167 E	50	59
2 15	8 34.20	+ 6 4.9	2.261	3.204	6.3	19.9	159 E	51	58
2 25	8 26.29	+ 6 48.9	2.314	3.201	9.2	20.1	149 E	52	57
3 7	8 20.24	+ 7 32.6	2.391	3.197	12.0	20.2	138 E	53	56
3 17	8 16.42	+ 8 12.9	2.490	3.192	14.4	20.4	127 E	53	56
3 27	8 14.94	+ 8 47.4	2.604	3.186	16.2	20.6	117 E	54	55
4 6	8 15.74	+ 9 14.7	2.730	3.179	17.5	20.7	108 E	54	55
4 16	8 18.65	+ 9 34.0	2.862	3.171	18.2	20.8	99 E	54*	54
4 26	8 23.45	+ 9 44.9	2.996	3.163	18.6	20.9	90 E	51*	54
5 6	8 29.86	+ 9 47.2	3.130	3.153	18.5	21.0	82 E	45*	54*
5 16	8 37.67	+ 9 40.9	3.260	3.142	18.1	21.1	74 E	39*	53*
5 26	8 46.66	+ 9 26.3	3.383	3.131	17.3	21.1	67 E	32*	51*
6 5	8 56.62	+ 9 3.6	3.498	3.118	16.4	21.2	60 E	25*	48*
6 15	9 7.39	+ 8 33.1	3.604	3.104	15.2	21.2	53 E	18*	44*
6 25	9 18.84	+ 7 55.1	3.697	3.090	13.9	21.2	47 E	12*	39*
7 5	9 30.82	+ 7 10.0	3.778	3.074	12.4	21.2	40 E	7*	34*
7 15	9 43.26	+ 6 18.2	3.846	3.058	10.7	21.1	34 E	3*	28*
7 25	9 56.06	+ 5 20.1	3.899	3.040	9.0	21.1	28 E	—	22*
8 4	10 9.16	+ 4 16.2	3.938	3.022	7.3	21.0	22 E	—	16*
8 14	10 22.50	+ 3 7.0	3.961	3.003	5.5	20.9	16 E	—	10*
8 24	10 36.02	+ 1 52.9	3.968	2.983	3.8	20.8	11 E	—	4*
9 3	10 49.70	+ 0 34.6	3.960	2.962	2.4	20.7	7 E	—	—
9 13	11 3.51	− 0 47.6	3.936	2.939	2.4	20.7	7 W	—	1*
9 23	11 17.39	− 2 12.9	3.896	2.916	3.7	20.7	11 W	—	4*
10 3	11 31.35	− 3 40.9	3.841	2.892	5.5	20.8	16 W	5*	8*
10 13	11 45.34	− 5 10.8	3.770	2.868	7.4	20.8	22 W	11*	12*
10 23	11 59.33	− 6 41.9	3.686	2.842	9.3	20.8	28 W	16*	17*
11 2	12 13.30	− 8 13.7	3.587	2.815	11.3	20.8	34 W	20*	21*
11 12	12 27.20	− 9 45.4	3.475	2.787	13.1	20.8	40 W	24*	26*
11 22	12 40.97	−11 16.2	3.351	2.759	14.9	20.8	46 W	27*	31*
12 2	12 54.57	−12 45.3	3.216	2.730	16.7	20.7	52 W	29*	37*
12 12	13 7.88	−14 12.0	3.071	2.699	18.2	20.6	59 W	30*	44*
12 22	13 20.82	−15 35.3	2.918	2.668	19.6	20.5	66 W	29*	51*
1 1	13 33.25	−16 54.4	2.759	2.636	20.8	20.4	73 W	28	59*
1 11	13 44.99	−18 8.4	2.594	2.604	21.8	20.3	80 W	27	67*
1 21	13 55.84	−19 16.1	2.428	2.570	22.5	20.2	87 W	26	76*

10295 Hippolyta

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 27	9 16.24	+48 48.3	1.438	2.264	17.0	20.1	138 W	86	15
1 1	9 11.93	+49 51.0	1.398	2.248	16.0	20.0	141 W	85	14
1 6	9 6.16	+50 50.9	1.363	2.231	15.2	19.9	144 W	84	13
1 11	8 58.97	+51 45.4	1.333	2.215	14.6	19.8	145 W	83	12
1 16	8 50.48	+52 32.1	1.309	2.197	14.3	19.7	146 W	82	11
1 21	8 40.94	+53 8.3	1.292	2.180	14.5	19.7	146 W	82	11
1 26	8 30.72	+53 32.2	1.279	2.162	15.0	19.6	145 E	81	10
1 31	8 20.24	+53 42.5	1.273	2.144	16.0	19.6	143 E	81	10
2 5	8 9.95	+53 38.6	1.272	2.126	17.2	19.7	140 E	81	10
2 10	8 0.32	+53 20.9	1.276	2.107	18.7	19.7	137 E	82	11
2 15	7 51.73	+52 50.5	1.285	2.089	20.2	19.7	133 E	82	11
2 20	7 44.50	+52 9.0	1.298	2.069	21.8	19.8	129 E	83	12
2 25	7 38.80	+51 18.4	1.315	2.050	23.3	19.9	125 E	84	13
3 2	7 34.68	+50 20.5	1.336	2.030	24.8	19.9	121 E	85	14
3 7	7 32.15	+49 17.1	1.359	2.011	26.2	20.0	117 E	86	15
3 12	7 31.13	+48 9.5	1.384	1.990	27.4	20.0	113 E	87	16
3 17	7 31.53	+46 58.9	1.411	1.970	28.6	20.1	109 E	88	17
3 22	7 33.25	+45 46.3	1.440	1.950	29.6	20.1	105 E	89	18
3 27	7 36.13	+44 32.2	1.469	1.929	30.5	20.2	101 E	90	19
4 1	7 40.05	+43 17.1	1.499	1.908	31.3	20.2	98 E	88	21
4 6	7 44.89	+42 0.9	1.530	1.887	31.9	20.3	94 E	86*	22
4 11	7 50.55	+40 43.9	1.560	1.866	32.5	20.3	91 E	82*	23
4 16	7 56.93	+39 25.9	1.590	1.844	32.9	20.3	88 E	78*	25
4 21	8 3.94	+38 6.9	1.619	1.823	33.3	20.3	85 E	74*	26
4 26	8 11.50	+36 46.6	1.648	1.801	33.5	20.4	82 E	71*	27*
5 1	8 19.52	+35 25.0	1.676	1.780	33.7	20.4	79 E	67*	29*
5 6	8 27.96	+34 1.8	1.703	1.758	33.8	20.4	76 E	63*	30*
5 16	8 45.88	+31 9.9	1.754	1.715	33.9	20.4	71 E	55*	32*
5 26	9 4.89	+28 9.5	1.800	1.672	33.7	20.4	66 E	48*	34*
6 5	9 24.74	+24 59.6	1.841	1.629	33.3	20.4	62 E	41*	36*
6 15	9 45.26	+21 39.3	1.877	1.588	32.8	20.3	58 E	34*	38*
6 25	10 6.34	+18 8.2	1.907	1.547	32.1	20.3	54 E	28*	39*
7 5	10 27.93	+14 26.5	1.933	1.509	31.4	20.3	51 E	22*	39*
7 15	10 50.04	+10 34.4	1.955	1.472	30.6	20.2	47 E	18*	38*
7 25	11 12.72	+ 6 32.8	1.972	1.438	29.7	20.2	45 E	14*	37*
8 4	11 36.07	+ 2 23.0	1.987	1.407	28.8	20.1	42 E	10*	35*
8 14	12 0.24	− 1 53.2	1.999	1.380	28.0	20.0	40 E	7*	34*
8 24	12 25.40	− 6 13.4	2.009	1.357	27.1	20.0	38 E	5*	32*
9 3	12 51.79	−10 34.4	2.020	1.339	26.2	19.9	36 E	3*	30*
9 13	13 19.67	−14 52.2	2.030	1.326	25.3	19.9	34 E	1*	28*
9 23	13 49.27	−19 1.9	2.042	1.319	24.5	19.9	33 E	—	26*
9 28	14 4.81	−21 1.8	2.049	1.317	24.0	19.9	32 E	—	26*
10 3	14 20.88	−22 57.4	2.057	1.317	23.6	19.9	32 E	—	25*
10 8	14 37.49	−24 47.9	2.065	1.318	23.2	19.9	31 E	—	24*
10 13	14 54.67	−26 32.3	2.075	1.320	22.7	19.9	31 E	—	24*
10 18	15 12.41	−28 9.6	2.086	1.324	22.3	19.9	30 E	—	23*
10 23	15 30.69	−29 39.1	2.098	1.330	21.8	19.9	30 E	—	23*
10 28	15 49.51	−30 59.7	2.111	1.336	21.4	19.9	29 E	—	22*
11 2	16 8.81	−32 10.7	2.126	1.344	20.8	19.9	29 E	—	22*
11 7	16 28.53	−33 11.4	2.142	1.353	20.3	19.9	28 E	—	22*
11 12	16 48.60	−34 1.1	2.159	1.364	19.8	19.9	28 E	—	21*
11 17	17 8.92	−34 39.4	2.178	1.375	19.2	20.0	27 E	—	21*
11 22	17 29.37	−35 6.1	2.199	1.388	18.6	20.0	27 E	—	20*
11 27	17 49.84	−35 21.0	2.221	1.402	18.0	20.0	26 E	—	20*
12 2	18 10.23	−35 24.4	2.244	1.416	17.3	20.0	25 E	—	19*
12 7	18 30.41	−35 16.5	2.268	1.432	16.6	20.0	25 E	—	18*
12 12	18 50.27	−34 57.9	2.294	1.448	15.9	20.1	24 E	—	18*
12 17	19 9.73	−34 29.2	2.321	1.465	15.1	20.1	23 E	—	17*
12 22	19 28.70	−33 51.2	2.349	1.483	14.4	20.1	22 E	—	16*
12 27	19 47.14	−33 4.8	2.377	1.501	13.6	20.1	21 E	—	15*
1 1	20 5.01	−32 10.8	2.407	1.520	12.8	20.2	20 E	—	14*
1 6	20 22.27	−31 10.1	2.436	1.540	12.0	20.2	19 E	—	13*
1 11	20 38.93	−30 3.6	2.466	1.559	11.1	20.2	18 E	—	12*
1 16	20 54.97	−28 52.3	2.496	1.580	10.3	20.2	17 E	—	11*
1 21	21 10.43	−27 36.7	2.527	1.600	9.5	20.3	16 E	—	9*

401847 1999 WW_{19}

12 27	9 16.28	+31 42.0	0.788	1.672	21.7	18.5	141 W	77	32
1 1	9 14.71	+31 46.7	0.781	1.688	19.0	18.4	146 W	77	32
1 6	9 11.93	+31 49.9	0.777	1.705	16.3	18.3	151 W	77	32
1 11	9 8.10	+31 50.3	0.778	1.723	13.5	18.2	156 W	77	32
1 16	9 3.48	+31 46.7	0.784	1.743	10.8	18.2	161 W	77	32
1 21	8 58.34	+31 38.0	0.795	1.762	8.6	18.1	164 W	77	32
1 26	8 53.01	+31 23.6	0.811	1.783	7.3	18.1	167 W	76	33
1 31	8 47.80	+31 3.4	0.832	1.804	7.4	18.2	166 E	76	33
2 5	8 42.97	+30 37.6	0.859	1.826	8.7	18.4	164 E	76	33
2 10	8 38.73	+30 6.9	0.891	1.849	10.6	18.6	160 E	75	34
2 15	8 35.29	+29 32.1	0.929	1.872	12.8	18.8	155 E	75	34
2 20	8 32.74	+28 53.8	0.972	1.896	14.9	19.0	151 E	74	35
2 25	8 31.15	+28 13.1	1.019	1.920	16.9	19.2	146 E	73	36

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
401847 1999 WW_{19}									*(continuation)*
	h m	° ′			°	m	°	°	°
3 7	8 30.77	+26 47.1	1.127	1.970	20.3	19.5	137 E	72	37
3 17	8 33.82	+25 18.1	1.251	2.020	22.9	19.9	128 E	70	39
3 27	8 39.79	+23 48.2	1.387	2.072	24.7	20.2	120 E	69	40
4 6	8 48.05	+22 18.0	1.534	2.125	25.8	20.5	112 E	67	42
4 16	8 58.07	+20 47.5	1.690	2.178	26.4	20.8	105 E	66	43
4 26	9 9.42	+19 16.1	1.852	2.232	26.5	21.1	98 E	63*	45
5 6	9 21.72	+17 43.7	2.019	2.286	26.2	21.3	92 E	58*	46
330250 2006 RF_{19}									
12 27	9 16.40	+28 20.3	1.863	2.699	13.3	20.8	141 W	73	36
1 1	9 12.82	+28 51.7	1.832	2.707	11.6	20.7	147 W	74	35
1 6	9 8.51	+29 23.5	1.808	2.716	9.8	20.6	152 W	74	35
1 11	9 3.55	+29 54.7	1.789	2.724	8.0	20.5	157 W	75	34
1 16	8 58.04	+30 24.2	1.778	2.731	6.3	20.4	162 W	75	34
1 21	8 52.14	+30 50.9	1.774	2.739	5.0	20.4	166 W	76	33
1 26	8 46.01	+31 14.1	1.777	2.746	4.5	20.3	167 W	76	33
1 31	8 39.83	+31 32.9	1.788	2.753	5.1	20.4	166 E	77	32
2 5	8 33.77	+31 47.1	1.806	2.759	6.4	20.5	162 E	77	32
2 10	8 28.01	+31 56.3	1.831	2.766	8.1	20.6	157 E	77	32
2 15	8 22.70	+32 0.6	1.863	2.772	9.8	20.7	152 E	77	32
2 20	8 17.97	+32 0.2	1.902	2.778	11.4	20.8	146 E	77	32
2 25	8 13.93	+31 55.5	1.946	2.784	13.0	20.9	141 E	77	32
3 2	8 10.64	+31 47.0	1.995	2.789	14.5	21.0	135 E	77	32
3 7	8 8.12	+31 35.2	2.050	2.794	15.8	21.1	130 E	77	32
3 12	8 6.39	+31 20.6	2.108	2.799	16.9	21.3	125 E	76	33
3 17	8 5.44	+31 3.5	2.170	2.804	17.9	21.4	120 E	76	33
3 22	8 5.26	+30 44.4	2.235	2.808	18.7	21.4	115 E	76	33
228862 2003 GX_{31}									
12 27	9 18.75	+29 31.6	3.023	3.834	9.4	20.2	141 W	75	34
1 6	9 14.83	+30 16.9	2.930	3.817	7.3	20.1	151 W	75	34
1 16	9 9.24	+31 1.7	2.863	3.801	5.1	19.9	160 W	76	33
1 26	9 2.47	+31 41.7	2.824	3.785	3.7	19.8	166 W	77	32
1 31	8 58.84	+31 58.6	2.816	3.778	3.8	19.8	165 W	77	32
2 5	8 55.16	+32 12.9	2.815	3.770	4.3	19.8	163 E	77	32
2 10	8 51.52	+32 24.3	2.822	3.762	5.3	19.9	160 E	77	32
2 15	8 48.02	+32 32.4	2.835	3.755	6.3	19.9	155 E	78	31
2 20	8 44.76	+32 37.3	2.856	3.747	7.5	20.0	150 E	78	31
2 25	8 41.80	+32 39.0	2.883	3.739	8.7	20.1	145 E	78	31
3 7	8 37.08	+32 32.7	2.954	3.725	10.8	20.2	135 E	78	31
3 17	8 34.23	+32 15.1	3.045	3.710	12.6	20.3	125 E	77	32
3 27	8 33.45	+31 47.7	3.151	3.696	14.1	20.4	116 E	77	32
4 6	8 34.73	+31 12.4	3.269	3.682	15.1	20.5	107 E	76	33
4 16	8 37.96	+30 30.5	3.394	3.669	15.7	20.6	98 E	75*	33
4 26	8 42.96	+29 43.3	3.522	3.656	16.0	20.7	90 E	70*	34
5 6	8 49.50	+28 51.3	3.650	3.643	15.9	20.8	82 E	63*	35
5 16	8 57.38	+27 55.1	3.775	3.630	15.5	20.8	74 E	55*	36*
5 26	9 6.37	+26 55.0	3.896	3.618	14.9	20.9	67 E	47*	36*
6 5	9 16.28	+25 51.2	4.009	3.607	14.1	20.9	60 E	40*	35*
6 15	9 26.95	+24 43.9	4.114	3.596	13.0	20.9	53 E	33*	33*
6 25	9 38.23	+23 33.3	4.209	3.585	11.8	20.9	46 E	26*	30*
7 5	9 49.99	+22 19.5	4.293	3.575	10.5	20.9	40 E	21*	27*
7 15	10 2.13	+21 2.7	4.365	3.565	9.1	20.9	34 E	17*	23*
7 25	10 14.55	+19 43.5	4.424	3.555	7.6	20.8	28 E	13*	18*
8 4	10 27.17	+18 21.9	4.469	3.546	6.1	20.8	22 E	9*	12*
8 14	10 39.94	+16 58.5	4.500	3.538	4.5	20.7	16 E	7*	7*
8 24	10 52.79	+15 33.7	4.517	3.530	3.1	20.6	11 E	4*	1*
9 3	11 5.68	+14 8.0	4.519	3.522	2.2	20.6	8 E	2*	—
9 13	11 18.55	+12 41.9	4.506	3.515	2.5	20.6	9 W	1*	—
9 23	11 31.35	+11 16.1	4.478	3.508	3.8	20.6	13 W	7*	—
10 3	11 44.05	+ 9 51.1	4.435	3.502	5.3	20.7	19 W	13*	—
10 13	11 56.59	+ 8 27.6	4.377	3.497	6.9	20.7	25 W	19*	4*
10 23	12 8.91	+ 7 6.5	4.306	3.492	8.5	20.8	31 W	25*	8*
11 2	12 20.96	+ 5 48.2	4.220	3.487	10.0	20.8	38 W	30*	13*
11 12	12 32.64	+ 4 33.8	4.122	3.484	11.5	20.8	44 W	36*	18*
11 22	12 43.88	+ 3 23.8	4.012	3.480	12.8	20.8	51 W	40*	24*
12 2	12 54.58	+ 2 19.2	3.891	3.477	14.0	20.8	58 W	43*	30*
12 12	13 4.61	+ 1 20.7	3.762	3.475	15.0	20.7	66 W	45*	37*
12 22	13 13.82	+ 0 29.0	3.625	3.473	15.7	20.7	73 W	45*	45*
1 1	13 22.06	− 0 15.1	3.483	3.472	16.3	20.6	81 W	45	52*
1 11	13 29.15	− 0 50.9	3.338	3.471	16.5	20.5	89 W	44	59*
1 21	13 34.90	− 1 18.0	3.193	3.471	16.3	20.4	98 W	44	64*
475937 2007 EQ_{122}									
12 27	9 19.21	+29 35.1	1.017	1.882	19.4	20.5	140 W	75	34
1 1	9 17.53	+29 53.1	0.971	1.866	17.4	20.3	145 W	75	34
1 6	9 14.63	+30 12.1	0.929	1.850	15.1	20.1	151 W	75	34
1 11	9 10.51	+30 30.8	0.893	1.835	12.7	19.9	156 W	76	33
1 16	9 5.23	+30 47.7	0.861	1.819	10.3	19.7	161 W	76	33
1 21	8 58.95	+31 0.8	0.835	1.803	8.2	19.6	165 W	76	33

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
475937 2007 EQ_{122}									*(continuation)*
	h m	° ′			°	m	°	°	°
1 26	8 51.89	+31 8.5	0.814	1.787	7.1	19.4	167 W	76	33
1 31	8 44.35	+31 9.1	0.799	1.772	7.7	19.4	166 E	76	33
2 5	8 36.67	+31 1.6	0.790	1.756	9.6	19.4	163 E	76	33
2 10	8 29.22	+30 45.4	0.787	1.741	12.3	19.5	158 E	76	33
2 15	8 22.37	+30 20.6	0.788	1.726	15.3	19.6	153 E	75	34
2 20	8 16.44	+29 47.8	0.795	1.711	18.4	19.7	147 E	75	34
2 25	8 11.67	+29 8.2	0.806	1.696	21.3	19.8	142 E	74	35
3 2	8 8.20	+28 22.9	0.820	1.682	24.1	19.9	136 E	73	36
3 7	8 6.10	+27 33.2	0.838	1.668	26.6	20.0	131 E	73	36
3 12	8 5.38	+26 40.1	0.859	1.654	29.0	20.1	126 E	72	37
3 17	8 6.02	+25 44.2	0.882	1.641	31.1	20.2	122 E	71	38
3 22	8 7.95	+24 46.4	0.907	1.628	32.9	20.3	117 E	70	39
3 27	8 11.07	+23 46.8	0.934	1.615	34.5	20.4	113 E	69	40
4 1	8 15.27	+22 45.7	0.961	1.603	35.9	20.5	110 E	68	41
4 6	8 20.45	+21 43.3	0.989	1.591	37.2	20.6	106 E	67	42
4 11	8 26.51	+20 39.3	1.018	1.580	38.2	20.7	103 E	66	43
4 16	8 33.36	+19 33.7	1.048	1.569	39.1	20.7	100 E	64*	44
4 21	8 40.91	+18 26.4	1.077	1.559	39.8	20.8	97 E	62*	46
4 26	8 49.09	+17 17.2	1.107	1.550	40.3	20.9	94 E	60*	47
5 1	8 57.80	+16 6.1	1.136	1.541	40.8	20.9	92 E	57*	48
5 6	9 6.99	+14 53.0	1.166	1.533	41.1	21.0	89 E	54*	49
5 11	9 16.61	+13 37.7	1.196	1.526	41.4	21.0	87 E	51*	50
5 16	9 26.61	+12 20.3	1.225	1.519	41.5	21.1	85 E	48*	52
5 21	9 36.95	+11 0.7	1.255	1.513	41.6	21.1	83 E	45*	53*
5 26	9 47.58	+ 9 39.0	1.284	1.508	41.6	21.2	81 E	41*	54*
5 31	9 58.47	+ 8 15.3	1.313	1.504	41.5	21.2	79 E	38*	56*
6 5	10 9.60	+ 6 49.8	1.342	1.500	41.4	21.2	78 E	35*	57*
6 10	10 20.95	+ 5 22.4	1.372	1.497	41.2	21.3	76 E	32*	58*
6 15	10 32.50	+ 3 53.4	1.401	1.495	40.9	21.3	75 E	29*	58*
6 20	10 44.24	+ 2 23.0	1.431	1.494	40.6	21.3	73 E	26*	59*
6 25	10 56.15	+ 0 51.4	1.460	1.494	40.2	21.4	72 E	24*	60*
6 30	11 8.22	− 0 41.0	1.490	1.495	39.8	21.4	70 E	22*	60*
7 5	11 20.45	− 2 14.0	1.521	1.496	39.4	21.4	69 E	19*	60*
7 10	11 32.84	− 3 47.4	1.552	1.498	38.9	21.5	68 E	17*	60*
82676 2001 PV_{23}									
12 27	9 19.24	+25 17.7	2.135	2.957	12.3	19.8	140 W	70	39
1 6	9 11.82	+26 0.5	2.070	2.972	9.1	19.7	152 W	71	38
1 16	9 2.15	+26 43.5	2.032	2.986	5.6	19.5	163 W	72	37
1 26	8 51.06	+27 20.6	2.023	2.999	3.1	19.3	171 W	72	37
1 31	8 45.34	+27 35.2	2.030	3.005	3.4	19.4	170 E	73	36
2 5	8 39.68	+27 46.7	2.045	3.010	4.6	19.4	166 E	73	36
2 10	8 34.24	+27 54.8	2.067	3.016	6.2	19.6	161 E	73	36
2 15	8 29.14	+27 59.3	2.097	3.021	7.9	19.7	155 E	73	36
2 20	8 24.52	+28 0.3	2.133	3.026	9.6	19.8	149 E	73	36
2 25	8 20.46	+27 57.9	2.176	3.031	11.1	19.9	144 E	73	36
3 7	8 14.26	+27 44.4	2.278	3.040	13.9	20.1	133 E	73	36
3 17	8 10.81	+27 21.1	2.398	3.048	16.0	20.3	122 E	72	37
3 27	8 10.10	+26 50.2	2.532	3.055	17.6	20.5	112 E	72	37
4 6	8 11.90	+26 13.6	2.674	3.061	18.6	20.6	103 E	71	38
4 16	8 15.91	+25 32.4	2.820	3.066	19.0	20.8	94 E	69*	38
4 26	8 21.83	+24 47.0	2.968	3.071	19.1	20.9	86 E	64*	39
5 6	8 29.32	+23 57.8	3.113	3.074	18.8	21.0	78 E	56*	40*
5 16	8 38.11	+23 4.8	3.254	3.076	18.1	21.0	71 E	49*	40*
5 26	8 47.96	+22 8.1	3.387	3.077	17.2	21.1	64 E	41*	39*
6 5	8 58.64	+21 7.5	3.512	3.077	16.0	21.1	57 E	33*	37*
6 15	9 10.00	+20 3.1	3.626	3.077	14.7	21.2	50 E	27*	35*
6 25	9 21.89	+18 54.9	3.729	3.075	13.2	21.2	44 E	20*	32*
7 5	9 34.18	+17 43.0	3.818	3.072	11.6	21.2	37 E	15*	28*
7 15	9 46.79	+16 27.6	3.894	3.068	9.8	21.1	31 E	11*	23*
7 25	9 59.62	+15 8.8	3.955	3.064	8.0	21.1	25 E	7*	17*
8 4	10 12.61	+13 47.0	4.001	3.058	6.1	21.0	19 E	4*	12*
8 14	10 25.71	+12 22.4	4.032	3.052	4.2	20.9	13 E	1*	6*
8 24	10 38.88	+10 55.5	4.046	3.044	2.2	20.8	7 E	—	—
9 3	10 52.06	+ 9 26.5	4.044	3.036	0.7	20.7	2 E	—	—
9 13	11 5.23	+ 7 56.0	4.025	3.026	2.0	20.8	6 W	—	—
9 23	11 18.34	+ 6 24.4	3.990	3.016	4.0	20.9	12 W	6*	—
10 3	11 31.37	+ 4 52.2	3.938	3.004	6.0	20.9	18 W	12*	5*
10 13	11 44.28	+ 3 19.9	3.871	2.992	8.0	21.0	25 W	17*	9*
10 23	11 57.00	+ 1 48.2	3.788	2.979	9.9	21.0	31 W	23*	13*
11 2	12 9.51	+ 0 17.7	3.690	2.964	11.7	21.0	37 W	28*	18*
11 12	12 21.72	− 1 11.1	3.579	2.949	13.5	21.0	44 W	32*	23*
11 22	12 33.55	− 2 37.4	3.454	2.933	15.1	21.0	51 W	36*	29*
12 2	12 44.92	− 4 0.7	3.319	2.916	16.6	20.9	58 W	38*	36*
12 12	12 55.69	− 5 20.0	3.173	2.898	17.9	20.9	65 W	39*	43*
12 22	13 5.70	− 6 34.7	3.019	2.879	19.0	20.8	72 W	38*	50*
1 1	13 14.79	− 7 44.1	2.859	2.859	19.8	20.7	80 W	37	58*
1 11	13 22.72	− 8 47.2	2.696	2.838	20.3	20.5	88 W	36	66*
1 21	13 29.24	− 9 43.2	2.531	2.816	20.3	20.4	96 W	35	72*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
455174 1999 TD_{207}									
12 27	9 20.69	+40 1.9	1.085	1.939	19.3	19.8	139 W	85	24
1 1	9 15.40	+39 55.4	1.077	1.961	17.0	19.7	144 W	85	24
1 6	9 9.05	+39 44.1	1.074	1.983	14.8	19.7	149 W	85	24
1 11	9 1.87	+39 26.7	1.076	2.005	12.6	19.6	154 W	84	25
1 16	8 54.14	+39 2.3	1.084	2.028	10.7	19.6	157 W	84	25
1 21	8 46.22	+38 30.2	1.098	2.051	9.4	19.6	160 W	84	25
1 26	8 38.43	+37 50.8	1.119	2.074	8.9	19.6	161 W	83	26
1 31	8 31.08	+37 4.5	1.146	2.098	9.4	19.7	160 E	82	27
2 5	8 24.40	+36 12.4	1.179	2.122	10.5	19.9	157 E	81	28
2 10	8 18.59	+35 15.9	1.219	2.146	12.0	20.0	153 E	80	29
2 15	8 13.77	+34 16.3	1.264	2.170	13.7	20.2	149 E	79	30
2 20	8 10.00	+33 14.9	1.316	2.194	15.3	20.3	144 E	78	31
2 25	8 7.30	+32 12.8	1.372	2.219	16.9	20.5	139 E	77	32
3 2	8 5.62	+31 10.9	1.433	2.243	18.3	20.7	135 E	76	33
3 7	8 4.91	+30 9.8	1.499	2.268	19.6	20.8	130 E	75	34
3 12	8 5.10	+29 10.0	1.569	2.293	20.7	21.0	125 E	74	35
3 17	8 6.12	+28 11.7	1.642	2.318	21.6	21.2	121 E	73	36
3 22	8 7.88	+27 15.0	1.718	2.343	22.3	21.3	117 E	72	37
3 27	8 10.30	+26 19.9	1.797	2.367	22.9	21.4	113 E	71	38
220169 2002 TY_{283}									
12 27	9 21.01	+23 9.6	1.544	2.379	15.6	21.1	139 W	68	41
1 6	9 13.19	+23 50.8	1.502	2.411	11.3	20.9	151 W	69	40
1 16	9 2.64	+24 33.6	1.484	2.442	6.7	20.7	163 W	70	39
1 26	8 50.52	+25 10.6	1.494	2.473	3.0	20.5	172 W	70	39
2 5	8 38.35	+25 35.7	1.532	2.503	5.0	20.7	167 E	71	38
2 15	8 27.60	+25 46.1	1.598	2.532	9.2	21.0	156 E	71	38
2 25	8 19.39	+25 41.9	1.690	2.561	13.0	21.3	144 E	71	38
387814 2004 FK_1									
12 27	9 21.39	− 4 29.0	1.982	2.706	16.5	21.0	128 W	41	68
1 6	9 16.90	− 4 19.8	1.863	2.680	14.1	20.8	139 W	41	68
1 16	9 9.99	− 3 44.3	1.763	2.653	11.1	20.5	149 W	41	68
1 26	9 1.13	− 2 40.4	1.688	2.625	8.3	20.3	157 W	42	67
2 5	8 51.17	− 1 9.5	1.640	2.596	6.8	20.2	162 E	44	65
2 10	8 46.11	− 0 15.3	1.628	2.581	7.1	20.1	161 E	45	64
2 15	8 41.19	+ 0 43.3	1.622	2.566	8.2	20.2	158 E	46	63
2 20	8 36.58	+ 1 45.3	1.624	2.551	9.7	20.2	154 E	47	62
2 25	8 32.39	+ 2 49.2	1.632	2.535	11.4	20.3	150 E	48	61
3 2	8 28.74	+ 3 53.9	1.647	2.520	13.2	20.4	144 E	49	60
3 7	8 25.72	+ 4 58.3	1.668	2.504	15.0	20.4	139 E	50	59
3 12	8 23.40	+ 6 1.2	1.694	2.488	16.7	20.5	134 E	51	58
3 17	8 21.82	+ 7 1.9	1.725	2.472	18.3	20.6	129 E	52	57
3 22	8 21.01	+ 7 59.6	1.760	2.456	19.8	20.7	124 E	53	56
3 27	8 20.98	+ 8 53.8	1.798	2.439	21.0	20.7	119 E	54	55
4 1	8 21.71	+ 9 44.0	1.839	2.422	22.2	20.8	114 E	55	54
4 6	8 23.17	+10 30.2	1.883	2.405	23.1	20.9	109 E	56	53
4 11	8 25.34	+11 12.1	1.928	2.388	23.9	20.9	105 E	56*	53
4 16	8 28.19	+11 49.6	1.974	2.371	24.6	21.0	100 E	56*	52
4 21	8 31.68	+12 22.8	2.021	2.354	25.1	21.0	96 E	56*	52
4 26	8 35.77	+12 51.6	2.068	2.336	25.5	21.1	92 E	55*	51
5 1	8 40.41	+13 16.2	2.116	2.318	25.7	21.1	88 E	53*	51
5 6	8 45.56	+13 36.7	2.162	2.301	25.9	21.2	85 E	51*	50*
5 11	8 51.19	+13 53.0	2.208	2.283	25.9	21.2	81 E	48*	50*
5 16	8 57.26	+14 5.4	2.254	2.265	25.9	21.2	78 E	45*	50*
5 21	9 3.75	+14 13.9	2.297	2.246	25.7	21.2	74 E	42*	49*
5 26	9 10.61	+14 18.7	2.340	2.228	25.5	21.3	71 E	39*	48*
5 31	9 17.81	+14 19.8	2.381	2.210	25.2	21.3	68 E	36*	47*
6 5	9 25.34	+14 17.4	2.420	2.191	24.8	21.3	65 E	33*	46*
6 10	9 33.16	+14 11.6	2.457	2.173	24.4	21.3	62 E	31*	45*
6 15	9 41.27	+14 2.4	2.492	2.154	23.9	21.3	59 E	28*	44*
6 20	9 49.63	+13 50.0	2.525	2.135	23.3	21.3	56 E	26*	43*
6 25	9 58.22	+13 34.5	2.556	2.117	22.7	21.3	54 E	23*	41*
6 30	10 7.03	+13 16.0	2.584	2.098	22.1	21.2	51 E	21*	40*
7 5	10 16.06	+12 54.6	2.611	2.079	21.4	21.2	48 E	19*	38*
7 10	10 25.28	+12 30.4	2.635	2.060	20.7	21.2	46 E	18*	36*
7 15	10 34.69	+12 3.5	2.657	2.042	20.0	21.2	43 E	16*	34*
7 20	10 44.29	+11 34.0	2.676	2.023	19.3	21.1	41 E	15*	33*
7 25	10 54.05	+11 2.2	2.693	2.005	18.5	21.1	39 E	14*	31*
7 30	11 3.98	+10 28.0	2.708	1.986	17.7	21.1	36 E	13*	29*
8 4	11 14.07	+ 9 51.6	2.721	1.968	16.9	21.0	34 E	12*	27*
8 9	11 24.34	+ 9 13.1	2.731	1.949	16.1	21.0	32 E	11*	25*
8 14	11 34.76	+ 8 32.7	2.739	1.931	15.3	21.0	30 E	10*	23*
8 19	11 45.34	+ 7 50.5	2.745	1.913	14.4	20.9	28 E	10*	21*
8 24	11 56.09	+ 7 6.6	2.749	1.895	13.6	20.9	26 E	9*	19*
8 29	12 6.99	+ 6 21.3	2.751	1.878	12.8	20.8	24 E	9*	17*
9 3	12 18.07	+ 5 34.6	2.751	1.860	12.0	20.8	23 E	8*	15*
9 8	12 29.32	+ 4 46.8	2.750	1.843	11.2	20.7	21 E	8*	13*
9 13	12 40.75	+ 3 58.0	2.746	1.826	10.4	20.7	19 E	8*	11*
9 18	12 52.36	+ 3 8.5	2.741	1.810	9.7	20.6	18 E	7*	9*
9 23	13 4.15	+ 2 18.4	2.735	1.793	9.0	20.6	16 E	7*	7*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
387814 2004 FK_1 *(continuation)*									
9 28	13 16.13	+ 1 27.9	2.727	1.778	8.4	20.5	15 E	7*	6*
10 3	13 28.31	+ 0 37.3	2.717	1.762	7.8	20.5	14 E	6*	4*
10 13	13 53.28	− 1 3.3	2.695	1.733	7.0	20.4	12 E	6*	—
10 23	14 19.07	− 2 41.3	2.670	1.705	6.5	20.3	11 E	5*	—
11 2	14 45.71	− 4 14.4	2.642	1.680	6.6	20.2	11 E	4*	—
11 12	15 13.21	− 5 40.4	2.613	1.658	7.1	20.2	12 E	3*	—
11 22	15 41.50	− 6 56.7	2.583	1.638	8.0	20.2	13 W	5*	—
12 2	16 10.51	− 8 1.1	2.554	1.621	9.0	20.2	15 W	8*	—
12 12	16 40.14	− 8 51.4	2.526	1.607	10.1	20.2	17 W	10*	—
12 22	17 10.21	− 9 25.9	2.500	1.597	11.2	20.2	18 W	12*	—
1 1	17 40.53	− 9 43.3	2.476	1.591	12.4	20.2	20 W	14*	1*
1 11	18 10.89	− 9 43.3	2.454	1.588	13.5	20.2	22 W	15*	5*
1 21	18 41.06	− 9 26.0	2.434	1.588	14.7	20.3	24 W	16*	9*
489510 2007 PS_8									
12 27	9 21.39	+10 20.2	1.165	1.991	20.2	20.1	136 W	55	54
1 6	9 14.24	+11 27.8	1.148	2.049	14.8	20.0	148 W	56	53
1 16	9 4.25	+12 52.8	1.153	2.107	8.9	19.8	161 W	58	51
1 26	8 52.85	+14 25.8	1.184	2.165	2.9	19.6	174 W	59	50
1 31	8 47.14	+15 11.9	1.209	2.194	1.3	19.6	177 E	60	49
2 5	8 41.69	+15 56.0	1.242	2.222	3.5	19.8	172 E	61	48
2 10	8 36.68	+16 37.4	1.281	2.251	6.1	20.1	166 E	62	47
2 15	8 32.26	+17 15.1	1.327	2.279	8.6	20.3	160 E	62	47
2 25	8 25.61	+18 18.4	1.437	2.336	13.0	20.7	148 E	63	46
3 7	8 22.16	+19 4.5	1.568	2.391	16.4	21.1	137 E	64	45
3 17	8 21.85	+19 34.6	1.716	2.446	19.0	21.4	127 E	65	44
3 27	8 24.42	+19 50.1	1.878	2.500	20.8	21.7	117 E	65	44
277307 2005 ST_{164}									
12 27	9 22.54	+10 14.3	1.648	2.448	16.4	20.6	135 W	55	54
1 6	9 16.39	+10 52.0	1.596	2.480	12.4	20.4	147 W	56	53
1 16	9 7.76	+11 45.4	1.566	2.511	7.9	20.2	159 W	57	52
1 26	8 57.58	+12 49.5	1.564	2.542	3.2	20.0	172 W	58	51
1 31	8 52.27	+13 23.5	1.573	2.557	1.6	19.9	176 E	58	51
2 5	8 47.04	+13 57.6	1.590	2.572	2.6	20.0	173 E	59	50
2 10	8 42.03	+14 31.0	1.614	2.586	4.8	20.2	167 E	60	49
2 15	8 37.39	+15 3.1	1.646	2.601	7.0	20.4	161 E	60	49
2 20	8 33.25	+15 33.1	1.684	2.615	9.1	20.5	155 E	61	48
2 25	8 29.70	+16 0.6	1.729	2.629	11.1	20.7	149 E	61	48
3 2	8 26.81	+16 25.3	1.779	2.643	12.9	20.8	144 E	61	48
3 7	8 24.61	+16 47.2	1.835	2.657	14.5	21.0	138 E	62	47
3 12	8 23.13	+17 6.0	1.896	2.670	15.9	21.1	133 E	62	47
3 17	8 22.37	+17 21.8	1.960	2.684	17.1	21.2	127 E	62	47
3 22	8 22.32	+17 34.5	2.029	2.697	18.2	21.3	122 E	63	46
3 27	8 22.93	+17 44.3	2.100	2.710	19.1	21.4	118 E	63	46
186448 2002 SK_{40}									
12 27	9 23.09	+14 37.6	3.591	4.360	8.9	21.0	137 W	60	49
1 6	9 19.04	+15 1.1	3.512	4.377	6.8	20.8	148 W	60	49
1 16	9 13.78	+15 30.3	3.459	4.395	4.5	20.7	160 W	61	48
1 26	9 7.68	+16 2.8	3.436	4.411	1.9	20.5	171 W	61	48
2 5	9 1.23	+16 36.4	3.443	4.428	0.7	20.4	177 E	62	47
2 15	8 54.93	+17 8.5	3.483	4.444	3.3	20.7	165 E	62	47
2 25	8 49.31	+17 37.0	3.552	4.461	5.7	20.9	154 E	63	46
3 7	8 44.76	+18 0.5	3.649	4.477	7.8	21.0	142 E	63	46
3 17	8 41.56	+18 18.0	3.769	4.492	9.5	21.2	132 E	63	46
3 27	8 39.89	+18 29.3	3.908	4.508	10.9	21.3	121 E	63	46
4 6	8 39.78	+18 34.2	4.062	4.523	11.9	21.4	111 E	64	45
13091 1992 PT_3									
12 27	9 23.53	+17 36.0	2.051	2.856	13.4	20.0	138 W	63	46
1 6	9 17.38	+18 15.1	1.966	2.856	10.1	19.8	149 W	63	46
1 16	9 8.83	+19 2.4	1.906	2.856	6.2	19.6	162 W	64	45
1 26	8 58.60	+19 53.0	1.874	2.855	2.1	19.3	174 W	65	44
1 31	8 53.16	+20 17.7	1.869	2.854	1.0	19.2	177 E	65	44
2 5	8 47.69	+20 41.1	1.873	2.853	2.7	19.3	172 E	66	43
2 10	8 42.33	+21 2.7	1.884	2.851	4.8	19.5	166 E	66	43
2 15	8 37.24	+21 21.9	1.902	2.849	6.9	19.6	160 E	66	43
2 20	8 32.54	+21 38.6	1.927	2.847	8.9	19.7	154 E	67	42
2 25	8 28.35	+21 52.3	1.959	2.845	10.7	19.8	148 E	67	42
3 7	8 21.79	+22 11.2	2.040	2.840	14.0	20.0	136 E	67	42
3 17	8 17.97	+22 19.0	2.140	2.833	16.7	20.2	125 E	67	42
3 27	8 17.00	+22 16.8	2.254	2.826	18.6	20.4	115 E	67	42
4 6	8 18.70	+22 5.7	2.377	2.818	20.0	20.5	106 E	67	42
4 16	8 22.83	+21 46.7	2.505	2.809	20.8	20.7	97 E	66*	42
4 26	8 29.06	+21 20.3	2.635	2.798	21.1	20.8	89 E	62*	43
5 6	8 37.05	+20 47.0	2.762	2.787	20.9	20.9	81 E	55*	43*

13091 1992 PT_3 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
5 16	8 46.54	+20 6.9	2.886	2.775	20.5	20.9	74 E	48*	43*
5 26	8 57.25	+19 20.3	3.003	2.762	19.7	21.0	67 E	41*	42*
6 5	9 8.95	+18 27.3	3.112	2.748	18.6	21.0	60 E	33*	41*
6 15	9 21.48	+17 28.1	3.212	2.732	17.4	21.0	53 E	27*	39*
6 25	9 34.68	+16 22.8	3.301	2.716	16.0	21.0	47 E	21*	36*
7 5	9 48.41	+15 11.7	3.379	2.699	14.4	21.0	41 E	16*	32*
7 15	10 2.59	+13 55.0	3.444	2.681	12.7	21.0	35 E	12*	27*
7 25	10 17.14	+12 33.1	3.497	2.662	10.9	20.9	30 E	8*	22*
8 4	10 31.99	+11 6.5	3.537	2.643	9.0	20.9	24 E	5*	17*
8 14	10 47.11	+ 9 35.4	3.563	2.622	7.0	20.8	18 E	3*	12*
8 24	11 2.46	+ 8 0.4	3.575	2.600	5.0	20.7	13 E	—	7*
9 3	11 18.03	+ 6 22.0	3.574	2.578	3.0	20.5	8 E	—	1*
9 13	11 33.80	+ 4 40.8	3.559	2.554	1.0	20.4	3 E	—	—
9 23	11 49.76	+ 2 57.3	3.530	2.530	1.5	20.4	4 W	—	—
10 3	12 5.92	+ 1 12.3	3.488	2.505	3.6	20.4	9 W	3*	—
10 13	12 22.27	− 0 33.7	3.433	2.479	5.7	20.5	14 W	8*	2*
10 23	12 38.83	− 2 19.9	3.366	2.452	7.9	20.5	20 W	13*	6*
11 2	12 55.59	− 4 5.5	3.286	2.425	10.0	20.6	25 W	17*	10*
11 12	13 12.56	− 5 49.7	3.195	2.396	12.1	20.6	31 W	21*	14*
11 22	13 29.72	− 7 31.6	3.093	2.367	14.2	20.5	36 W	25*	19*
12 2	13 47.08	− 9 10.5	2.982	2.338	16.3	20.5	42 W	27*	24*
12 12	14 4.62	−10 45.5	2.861	2.308	18.2	20.4	47 W	29*	30*
12 22	14 22.29	−12 15.6	2.734	2.277	20.1	20.4	53 W	30*	36*
1 1	14 40.07	−13 40.2	2.599	2.246	21.9	20.3	58 W	30*	43*
1 11	14 57.88	−14 58.4	2.460	2.214	23.5	20.2	64 W	30*	50*
1 21	15 15.62	−16 9.5	2.316	2.182	25.0	20.1	70 W	29*	57*

372876 2010 WG_{60}

12 27	9 24.37	+10 46.5	1.296	2.111	19.2	20.1	135 W	56	53
1 6	9 14.34	+ 9 22.8	1.253	2.145	14.5	19.9	147 W	54	55
1 16	9 1.35	+ 8 12.6	1.233	2.180	9.4	19.7	159 W	53	56
1 26	8 46.84	+ 7 17.4	1.241	2.213	5.3	19.5	168 W	52	57
2 5	8 32.61	+ 6 37.3	1.277	2.246	6.0	19.7	166 E	52	57
2 15	8 20.28	+ 6 10.7	1.341	2.279	10.1	20.0	156 E	51	58
2 25	8 11.04	+ 5 54.4	1.430	2.311	14.3	20.3	145 E	51	58
3 7	8 5.37	+ 5 44.5	1.540	2.342	17.7	20.6	134 E	51	58
3 17	8 3.24	+ 5 37.4	1.666	2.372	20.3	20.9	124 E	51	58
3 27	8 4.35	+ 5 29.8	1.804	2.402	22.1	21.2	115 E	50	59
4 6	8 8.22	+ 5 19.1	1.951	2.431	23.3	21.4	106 E	50	59

387607 2002 DD_4

12 27	9 24.73	−13 48.6	0.835	1.593	31.5	19.7	122 W	31	78
1 1	9 23.37	−12 49.4	0.809	1.608	29.1	19.5	127 W	32	77
1 6	9 20.92	−11 32.8	0.786	1.623	26.4	19.4	133 W	33	76
1 11	9 17.43	− 9 57.5	0.766	1.638	23.4	19.3	139 W	35	74
1 16	9 13.02	− 8 3.4	0.750	1.653	20.1	19.2	145 W	37	72
1 21	9 7.88	− 5 51.6	0.739	1.669	16.7	19.0	151 W	39	70
1 26	9 2.26	− 3 24.4	0.734	1.684	13.4	18.9	157 W	42	67
1 31	8 56.42	− 0 45.6	0.735	1.699	10.4	18.8	162 W	44	65
2 5	8 50.64	+ 1 59.9	0.743	1.714	8.7	18.8	165 E	47	62
2 10	8 45.18	+ 4 47.2	0.759	1.730	8.7	18.9	165 E	50	59
2 15	8 40.32	+ 7 31.0	0.781	1.745	10.5	19.0	161 E	53	56
2 20	8 36.27	+10 6.8	0.810	1.760	13.1	19.2	156 E	55	54
2 25	8 33.18	+12 31.3	0.845	1.775	15.9	19.4	151 E	58	51
3 2	8 31.12	+14 42.6	0.886	1.790	18.6	19.7	145 E	60	49
3 7	8 30.12	+16 39.6	0.932	1.805	21.0	19.9	139 E	62	47
3 17	8 31.26	+19 50.9	1.038	1.834	25.0	20.3	129 E	65	44
3 27	8 36.26	+22 9.9	1.157	1.863	27.8	20.6	119 E	67	42
4 6	8 44.48	+23 44.7	1.285	1.891	29.6	20.9	111 E	69	40
4 16	8 55.29	+24 42.9	1.419	1.917	30.6	21.2	103 E	70	39
4 26	9 8.12	+25 11.2	1.557	1.943	31.0	21.4	96 E	69*	39

251774 1999 RG_{10}

12 27	9 25.33	+53 48.6	0.804	1.649	25.2	16.4	134 W	81	10
1 1	9 16.46	+53 27.0	0.795	1.664	23.1	16.3	138 W	82	11
1 6	9 5.99	+52 52.9	0.790	1.679	21.0	16.2	142 W	82	11
1 11	8 54.44	+52 3.9	0.789	1.694	19.1	16.2	146 W	83	12
1 16	8 42.45	+50 58.5	0.793	1.710	17.6	16.2	148 W	84	13
1 18	8 37.69	+50 27.8	0.796	1.717	17.1	16.2	149 W	85	14
1 20	8 33.00	+49 54.5	0.800	1.723	16.7	16.2	150 W	85	14
1 22	8 28.44	+49 18.8	0.805	1.730	16.4	16.2	150 W	86	15
1 24	8 24.03	+48 40.8	0.811	1.737	16.2	16.2	151 E	86	15
1 26	8 19.80	+48 0.8	0.817	1.744	16.1	16.2	151 E	87	16
1 31	8 10.17	+46 12.9	0.838	1.761	16.3	16.3	150 E	89	18
2 5	8 2.07	+44 16.8	0.865	1.779	17.1	16.4	148 E	89	20
2 10	7 55.64	+42 15.9	0.897	1.797	18.4	16.6	145 E	87	22
2 15	7 50.88	+40 13.6	0.935	1.815	19.8	16.7	142 E	85	24
2 20	7 47.72	+38 12.6	0.978	1.834	21.3	16.9	138 E	83	26
2 25	7 46.03	+36 14.8	1.025	1.852	22.7	17.1	134 E	81	28
3 2	7 45.64	+34 21.6	1.077	1.871	24.1	17.2	130 E	79	30

251774 1999 RG_{10} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 7	7 46.41	+32 33.7	1.133	1.891	25.3	17.4	125 E	78	31
3 12	7 48.18	+30 51.4	1.193	1.910	26.3	17.6	121 E	76	33
3 17	7 50.82	+29 14.7	1.256	1.930	27.2	17.7	118 E	74	35
3 22	7 54.23	+27 43.3	1.321	1.949	27.9	17.9	114 E	73	36
3 27	7 58.28	+26 16.8	1.389	1.969	28.4	18.0	110 E	71	38
4 1	8 2.88	+24 54.6	1.460	1.989	28.8	18.2	106 E	70	39
4 6	8 7.94	+23 36.4	1.531	2.008	29.1	18.3	103 E	69	40
4 16	8 19.21	+21 9.8	1.680	2.048	29.2	18.6	96 E	65*	43
4 26	8 31.66	+18 53.2	1.831	2.087	28.8	18.8	90 E	60*	45
5 6	8 44.94	+16 43.6	1.985	2.127	28.1	19.0	84 E	53*	47*
5 16	8 58.81	+14 38.6	2.139	2.166	27.2	19.1	78 E	46*	49*
5 26	9 13.10	+12 36.4	2.292	2.204	25.9	19.3	72 E	38*	50*
6 5	9 27.65	+10 35.6	2.442	2.242	24.5	19.4	67 E	31*	50*
6 15	9 42.39	+ 8 35.3	2.588	2.280	23.0	19.5	61 E	24*	49*
6 25	9 57.24	+ 6 34.9	2.728	2.317	21.3	19.6	56 E	18*	47*
7 5	10 12.14	+ 4 34.0	2.862	2.353	19.5	19.7	51 E	13*	43*
7 15	10 27.08	+ 2 32.2	2.989	2.389	17.7	19.8	45 E	8*	39*
7 25	10 42.02	+ 0 29.6	3.107	2.424	15.7	19.8	40 E	4*	34*
8 4	10 56.95	− 1 33.9	3.215	2.458	13.8	19.9	35 E	1*	29*
8 14	11 11.87	− 3 38.1	3.313	2.491	11.8	19.9	30 E	—	24*
8 24	11 26.77	− 5 43.0	3.400	2.523	9.9	19.9	25 E	—	18*
9 3	11 41.65	− 7 48.3	3.475	2.554	7.9	19.9	20 E	—	13*
9 13	11 56.52	− 9 53.9	3.537	2.585	6.2	19.9	16 E	—	7*
9 23	12 11.36	−11 59.3	3.585	2.614	4.7	19.9	12 E	—	2*
10 3	12 26.19	−14 4.5	3.620	2.642	4.0	19.9	10 W	—	1*
10 13	12 40.98	−16 9.1	3.641	2.670	4.2	19.9	11 W	—	5*
10 23	12 55.72	−18 12.7	3.646	2.696	5.4	20.0	15 W	—	9*
11 2	13 10.39	−20 15.3	3.638	2.722	7.0	20.1	19 W	2*	13*
11 12	13 24.95	−22 16.6	3.614	2.746	8.7	20.2	25 W	6*	18*
11 22	13 39.34	−24 16.3	3.576	2.770	10.4	20.2	30 W	9*	23*
12 2	13 53.52	−26 14.4	3.524	2.792	12.1	20.3	36 W	11*	29*
12 12	14 7.39	−28 10.7	3.459	2.813	13.7	20.3	43 W	13*	35*
12 22	14 20.83	−30 5.3	3.381	2.834	15.2	20.3	49 W	13*	42*
1 1	14 33.72	−31 58.3	3.291	2.853	16.5	20.3	56 W	12*	49*
1 11	14 45.86	−33 49.8	3.191	2.871	17.7	20.3	62 W	11*	56*
1 21	14 57.04	−35 40.0	3.083	2.888	18.6	20.3	69 W	9	63*

368188 2000 SZ_{72}

12 27	9 25.48	+22 55.3	1.620	2.444	15.5	21.4	138 W	68	41
1 6	9 18.24	+23 48.2	1.568	2.469	11.5	21.2	150 W	69	40
1 16	9 8.15	+24 44.4	1.539	2.493	7.1	21.0	162 W	70	39
1 26	8 56.27	+25 35.8	1.538	2.516	3.4	20.9	171 W	71	38
2 5	8 44.01	+26 15.3	1.567	2.538	4.8	21.0	168 E	71	38
2 15	8 32.85	+26 38.8	1.624	2.560	8.9	21.3	156 E	72	37
2 25	8 24.01	+26 45.5	1.706	2.580	12.7	21.6	145 E	72	37

333908 1999 TN_{12}

12 27	9 26.18	−39 55.3	1.601	2.069	27.5	21.4	104 W	5	76
1 1	9 22.49	−40 52.7	1.587	2.090	26.8	21.4	106 W	4	75
1 6	9 17.86	−41 39.2	1.574	2.111	26.1	21.4	109 W	3	74
1 11	9 12.38	−42 13.4	1.563	2.132	25.4	21.4	112 W	3	74
1 16	9 6.19	−42 34.2	1.554	2.152	24.7	21.4	114 W	2	73
1 21	8 59.47	−42 40.4	1.547	2.172	23.9	21.4	116 W	2	73
1 26	8 52.44	−42 31.7	1.543	2.191	23.3	21.3	119 W	2	73
1 31	8 45.35	−42 7.8	1.542	2.210	22.6	21.3	120 E	3	74
2 5	8 38.43	−41 29.1	1.544	2.229	22.1	21.3	122 E	4	75
2 10	8 31.90	−40 36.2	1.550	2.247	21.6	21.4	123 E	4	75
2 15	8 25.96	−39 30.4	1.560	2.264	21.2	21.4	124 E	5	76
2 20	8 20.79	−38 13.3	1.575	2.282	21.0	21.4	124 E	7	78
2 25	8 16.50	−36 46.7	1.593	2.299	20.9	21.4	124 E	8	79
3 2	8 13.14	−35 12.9	1.616	2.315	20.9	21.5	124 E	10	81

32511 2001 NX_{17}

12 27	9 26.75	+ 9 54.5	5.241	5.970	6.8	20.8	134 W	55	54
1 6	9 23.36	+ 9 58.7	5.111	5.945	5.4	20.7	145 W	55	54
1 16	9 19.08	+10 8.1	5.006	5.919	3.8	20.5	156 W	55	54
1 26	9 14.14	+10 21.8	4.930	5.894	2.1	20.4	167 W	55	54
2 5	9 8.82	+10 38.7	4.886	5.868	0.9	20.2	174 E	56	53
2 15	9 3.46	+10 57.4	4.874	5.842	2.1	20.3	168 E	56	53
2 25	8 58.41	+11 16.6	4.893	5.816	3.8	20.4	157 E	56	53
3 7	8 53.97	+11 34.8	4.941	5.789	5.5	20.5	146 E	57	52
3 17	8 50.40	+11 50.8	5.014	5.762	7.0	20.6	135 E	57	52
3 27	8 47.89	+12 3.7	5.109	5.735	8.2	20.7	125 E	57	52
4 6	8 46.54	+12 12.9	5.220	5.708	9.2	20.8	114 E	57	52
4 16	8 46.40	+12 17.8	5.343	5.680	9.8	20.9	105 E	57*	52
4 26	8 47.43	+12 18.2	5.472	5.652	10.2	20.9	95 E	55*	52
5 6	8 49.58	+12 14.0	5.603	5.624	10.3	21.0	86 E	50*	52
5 16	8 52.77	+12 5.1	5.732	5.596	10.1	21.0	77 E	43*	51*
5 26	8 56.88	+11 51.6	5.855	5.567	9.8	21.0	69 E	35*	49*
6 5	9 1.81	+11 33.6	5.970	5.538	9.2	21.0	60 E	27*	46*
6 15	9 7.46	+11 11.2	6.072	5.509	8.4	21.0	52 E	20*	42*

32511 2001 NX_{17} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
6 25	9 13.71	+10 44.6	6.160	5.480	7.5	21.0	44 E	13*	36*
7 5	9 20.47	+10 13.9	6.232	5.450	6.4	20.9	37 E	8*	30*
7 15	9 27.64	+ 9 39.5	6.286	5.421	5.2	20.9	29 E	3*	23*
7 25	9 35.13	+ 9 1.5	6.321	5.391	4.0	20.8	22 E	—	16*
8 4	9 42.87	+ 8 20.2	6.336	5.360	2.7	20.7	15 E	—	8*
8 14	9 50.77	+ 7 35.9	6.331	5.330	1.5	20.6	8 E	—	1*
8 24	9 58.74	+ 6 49.0	6.305	5.299	1.0	20.6	5 W	—	—
9 3	10 6.74	+ 5 59.9	6.257	5.268	2.0	20.6	10 W	—	4*
9 13	10 14.66	+ 5 8.9	6.189	5.236	3.3	20.7	17 W	7*	9*
9 23	10 22.45	+ 4 16.6	6.100	5.205	4.6	20.7	25 W	14*	14*
10 3	10 30.01	+ 3 23.3	5.992	5.173	5.9	20.7	32 W	21*	19*
10 13	10 37.27	+ 2 29.7	5.866	5.141	7.2	20.7	40 W	28*	24*
10 23	10 44.12	+ 1 36.5	5.722	5.109	8.3	20.7	48 W	34*	29*
11 2	10 50.48	+ 0 44.1	5.564	5.077	9.3	20.7	56 W	39*	35*
11 12	10 56.22	− 0 6.5	5.393	5.044	10.2	20.6	64 W	42*	41*
11 22	11 1.24	− 0 54.6	5.212	5.011	10.9	20.6	73 W	44*	48*
12 2	11 5.40	− 1 39.3	5.024	4.978	11.3	20.5	82 W	43	54*
12 12	11 8.58	− 2 19.6	4.832	4.945	11.5	20.4	91 W	43	61*
12 22	11 10.65	− 2 54.3	4.641	4.911	11.4	20.3	100 W	42	66*
1 1	11 11.50	− 3 22.5	4.455	4.878	10.9	20.2	110 W	42	67
1 11	11 11.05	− 3 43.0	4.278	4.844	10.1	20.0	120 W	41	68
1 21	11 9.27	− 3 55.0	4.116	4.810	9.0	19.9	130 W	41	68

25916 2001 CP_{44}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	9 27.07	+26 9.4	2.957	3.750	10.0	19.6	138 W	71	38
1 6	9 21.25	+27 15.4	2.856	3.736	7.7	19.4	149 W	72	37
1 16	9 13.50	+28 23.9	2.782	3.721	5.2	19.2	160 W	73	36
1 26	9 4.30	+29 29.5	2.739	3.705	3.4	19.1	167 W	74	35
1 31	8 59.37	+29 59.5	2.729	3.697	3.3	19.0	167 W	75	34
2 5	8 54.36	+30 26.9	2.728	3.689	4.0	19.1	165 E	75	34
2 10	8 49.37	+30 51.3	2.734	3.680	5.1	19.1	161 E	76	33
2 15	8 44.51	+31 12.2	2.748	3.671	6.4	19.2	156 E	76	33
2 20	8 39.89	+31 29.5	2.770	3.661	7.7	19.3	150 E	76	33
2 25	8 35.61	+31 43.1	2.798	3.652	9.0	19.4	145 E	77	32
3 2	8 31.75	+31 53.1	2.832	3.642	10.2	19.4	139 E	77	32
3 7	8 28.37	+31 59.6	2.872	3.631	11.4	19.5	134 E	77	32
3 17	8 23.23	+32 3.1	2.967	3.610	13.3	19.6	123 E	77	32
3 27	8 20.43	+31 55.6	3.077	3.588	14.8	19.7	113 E	77	32
4 6	8 19.96	+31 39.3	3.196	3.565	15.8	19.8	103 E	77	32
4 16	8 21.71	+31 16.0	3.320	3.541	16.4	19.9	94 E	75*	33
4 26	8 25.45	+30 47.0	3.445	3.515	16.6	20.0	86 E	69*	33
5 6	8 30.96	+30 13.2	3.566	3.489	16.4	20.1	77 E	61*	34*
5 16	8 37.98	+29 35.1	3.682	3.461	15.9	20.1	70 E	53*	33*
5 26	8 46.31	+28 53.1	3.788	3.432	15.1	20.1	62 E	45*	33*
6 5	8 55.71	+28 7.5	3.884	3.403	14.1	20.1	55 E	37*	31*
6 15	9 6.03	+27 18.1	3.967	3.372	12.9	20.1	48 E	31*	28*
6 25	9 17.11	+26 25.3	4.036	3.340	11.6	20.1	41 E	25*	25*
7 5	9 28.82	+25 29.2	4.090	3.307	10.1	20.0	35 E	20*	21*
7 15	9 41.06	+24 29.7	4.128	3.272	8.6	19.9	29 E	15*	17*
7 25	9 53.72	+23 27.3	4.150	3.237	7.0	19.9	23 E	12*	12*
8 4	10 6.74	+22 22.0	4.155	3.201	5.4	19.8	17 E	9*	6*
8 14	10 20.06	+21 14.3	4.143	3.163	4.1	19.7	13 E	6*	1*
8 24	10 33.62	+20 4.5	4.113	3.124	3.3	19.6	10 E	4*	—
9 3	10 47.38	+18 53.0	4.067	3.084	3.7	19.5	11 W	2*	—
9 13	11 1.31	+17 40.3	4.005	3.043	4.9	19.5	15 W	8*	—
9 23	11 15.38	+16 27.1	3.926	3.001	6.5	19.5	20 W	13*	—
10 3	11 29.57	+15 14.0	3.832	2.957	8.3	19.5	25 W	19*	—
10 13	11 43.85	+14 1.7	3.724	2.912	10.1	19.5	31 W	25*	4*
10 23	11 58.18	+12 51.2	3.602	2.867	12.0	19.5	37 W	31*	8*
11 2	12 12.56	+11 43.2	3.467	2.820	13.8	19.4	43 W	36*	12*
11 12	12 26.94	+10 38.9	3.321	2.771	15.6	19.4	49 W	41*	16*
11 22	12 41.27	+ 9 39.3	3.165	2.722	17.3	19.3	55 W	46*	21*
12 2	12 55.53	+ 8 45.7	3.001	2.671	18.9	19.2	61 W	49*	27*
12 12	13 9.61	+ 7 59.6	2.830	2.620	20.4	19.1	68 W	51*	32*
12 22	13 23.45	+ 7 22.3	2.654	2.567	21.6	18.9	74 W	52*	38*
1 1	13 36.94	+ 6 55.3	2.475	2.513	22.7	18.8	81 W	52	44*
1 11	13 49.91	+ 6 40.5	2.295	2.458	23.6	18.6	88 W	52	50*
1 21	14 2.20	+ 6 39.5	2.117	2.402	24.1	18.4	94 W	52	54*

484199 2006 WS_1

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	9 28.66	+27 44.2	0.828	1.694	22.7	21.6	138 W	73	36
1 1	9 21.79	+27 48.9	0.778	1.679	19.8	21.4	145 W	73	36
1 6	9 12.76	+27 52.7	0.732	1.663	16.5	21.1	151 W	73	36
1 11	9 1.47	+27 53.2	0.691	1.646	12.8	20.8	158 W	73	36
1 16	8 48.03	+27 47.1	0.657	1.627	8.8	20.5	165 W	73	36
1 21	8 32.74	+27 31.2	0.629	1.608	5.4	20.3	171 W	73	36
1 26	8 16.13	+27 2.5	0.608	1.587	5.7	20.2	171 E	72	37
1 31	7 58.92	+26 19.6	0.594	1.566	9.7	20.3	164 E	71	38
2 5	7 41.93	+25 22.8	0.588	1.543	14.8	20.4	157 E	70	39
2 10	7 25.94	+24 14.1	0.588	1.519	20.0	20.6	148 E	69	40
2 15	7 11.62	+22 57.2	0.594	1.493	25.0	20.7	140 E	68	41

484199 2006 WS_1 *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
2 20	6 59.37	+21 35.6	0.605	1.467	29.8	20.8	132 E	67	42
2 25	6 49.39	+20 13.0	0.620	1.439	34.2	21.0	125 E	65	44
3 2	6 41.64	+18 51.6	0.637	1.410	38.2	21.1	118 E	64	45
3 7	6 36.00	+17 33.1	0.656	1.380	41.7	21.2	112 E	63	46
3 12	6 32.29	+16 18.2	0.675	1.349	45.0	21.3	106 E	61	48
3 17	6 30.32	+15 6.8	0.694	1.317	47.9	21.4	101 E	60	49
3 22	6 29.86	+13 58.5	0.712	1.283	50.6	21.5	96 E	59*	50*

183020 2002 PF_{97}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	9 29.23	+14 1.2	2.071	2.855	14.0	21.2	135 W	59	50
1 6	9 23.74	+14 49.7	1.986	2.861	10.8	21.0	147 W	60	49
1 16	9 15.90	+15 50.4	1.926	2.867	7.0	20.7	159 W	61	48
1 26	9 6.34	+16 58.3	1.893	2.871	2.8	20.5	172 W	62	47
1 31	9 1.20	+17 33.2	1.888	2.873	0.6	20.3	178 W	63	46
2 5	8 55.99	+18 7.5	1.891	2.875	1.7	20.4	175 E	63	46
2 10	8 50.84	+18 40.6	1.902	2.876	3.8	20.5	169 E	64	45
2 15	8 45.92	+19 11.9	1.920	2.877	5.9	20.7	162 E	64	45
2 20	8 41.33	+19 40.7	1.946	2.878	8.0	20.8	156 E	65	44
2 25	8 37.20	+20 6.7	1.978	2.879	9.8	20.9	150 E	65	44
3 2	8 33.61	+20 29.6	2.016	2.879	11.6	21.0	144 E	65	44
3 7	8 30.63	+20 49.4	2.060	2.879	13.2	21.1	138 E	66	43
3 12	8 28.30	+21 6.1	2.110	2.879	14.6	21.2	133 E	66	43
3 17	8 26.65	+21 19.5	2.163	2.879	15.9	21.3	127 E	66	43
3 22	8 25.69	+21 30.0	2.221	2.878	17.0	21.4	122 E	66	43

162186 1999 OP_3

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	9 31.71	+26 58.7	1.220	2.056	18.9	18.0	137 W	72	37
1 1	9 28.46	+26 29.9	1.143	2.017	17.0	17.7	143 W	71	38
1 6	9 23.83	+25 57.5	1.070	1.978	14.9	17.5	149 W	71	38
1 11	9 17.70	+25 20.1	1.002	1.939	12.4	17.2	155 W	70	39
1 16	9 10.06	+24 35.8	0.941	1.899	9.5	16.9	161 W	70	39
1 21	9 0.93	+23 42.8	0.886	1.860	6.3	16.6	168 W	69	40
1 26	8 50.45	+22 39.2	0.837	1.820	3.0	16.2	174 W	68	41
1 31	8 38.86	+21 23.7	0.796	1.780	2.9	16.1	175 E	66	43
2 5	8 26.50	+19 55.5	0.763	1.740	6.8	16.1	168 E	65	44
2 10	8 13.80	+18 15.2	0.737	1.699	11.3	16.2	160 E	63	46
2 15	8 1.26	+16 24.1	0.719	1.659	15.9	16.2	153 E	61	48
2 20	7 49.39	+14 24.8	0.708	1.619	20.6	16.3	145 E	59	50
2 25	7 38.58	+12 20.2	0.702	1.579	25.2	16.4	137 E	57	52
3 2	7 29.14	+10 13.2	0.702	1.540	29.5	16.5	130 E	55	54
3 7	7 21.24	+ 8 6.3	0.706	1.500	33.6	16.5	123 E	53	56
3 12	7 14.97	+ 6 1.4	0.713	1.461	37.3	16.6	117 E	51	58
3 17	7 10.36	+ 3 59.2	0.721	1.423	40.8	16.7	111 E	49	60
3 27	7 5.78	+ 0 3.8	0.741	1.349	46.6	16.8	101 E	45*	64
4 6	7 6.63	− 3 43.6	0.758	1.279	51.4	16.8	92 E	40*	68*
4 16	7 12.03	− 7 29.4	0.769	1.215	55.4	16.9	85 E	33*	70*
4 21	7 16.20	− 9 24.2	0.771	1.186	57.2	16.9	83 E	29*	71*
4 26	7 21.25	−11 21.6	0.771	1.159	58.8	16.9	80 E	25*	71*
5 1	7 27.11	−13 22.3	0.768	1.135	60.4	16.9	78 E	21*	71*
5 6	7 33.78	−15 26.8	0.761	1.113	61.8	16.8	77 E	16*	70*
5 11	7 41.27	−17 36.0	0.753	1.095	63.1	16.8	75 E	12*	69*
5 16	7 49.61	−19 50.4	0.741	1.080	64.3	16.8	74 E	8*	68*
5 21	7 58.90	−22 10.9	0.727	1.069	65.4	16.8	74 E	4*	67*
5 26	8 9.23	−24 37.8	0.710	1.062	66.3	16.7	74 E	—	66*
5 31	8 20.81	−27 11.5	0.692	1.059	67.0	16.7	74 E	—	64*
6 5	8 33.92	−29 52.3	0.672	1.060	67.5	16.6	75 E	—	63*
6 10	8 48.94	−32 40.1	0.651	1.064	67.7	16.6	76 E	—	62*
6 15	9 6.35	−35 34.4	0.630	1.073	67.5	16.5	78 E	—	61*
6 20	9 26.78	−38 33.5	0.609	1.085	67.0	16.5	80 E	—	60*
6 25	9 50.99	−41 33.5	0.590	1.102	66.0	16.4	82 E	—	60*
6 27	10 1.93	−42 44.2	0.582	1.109	65.5	16.4	83 E	—	60*
6 29	10 13.66	−43 53.4	0.576	1.117	64.9	16.3	84 E	—	60*
7 1	10 26.24	−45 0.3	0.570	1.125	64.3	16.3	85 E	—	60*
7 3	10 39.71	−46 4.2	0.564	1.134	63.5	16.3	87 E	—	60*
7 5	10 54.11	−47 3.9	0.560	1.143	62.7	16.3	88 E	—	61*
7 7	11 9.43	−47 58.6	0.556	1.153	61.8	16.2	89 E	—	61*
7 9	11 25.66	−48 47.2	0.553	1.163	60.9	16.2	91 E	—	61*
7 11	11 42.74	−49 28.6	0.550	1.174	59.9	16.2	92 E	—	62*
7 13	12 0.59	−50 1.6	0.549	1.185	58.9	16.2	94 E	—	62*
7 15	12 19.07	−50 25.5	0.549	1.196	57.8	16.2	95 E	—	63*
7 17	12 38.01	−50 39.3	0.551	1.208	56.8	16.2	96 E	—	63*
7 19	12 57.22	−50 42.8	0.553	1.220	55.6	16.2	98 E	—	64*
7 21	13 16.47	−50 35.6	0.557	1.232	54.5	16.2	99 E	—	65*
7 23	13 35.56	−50 17.9	0.562	1.245	53.4	16.2	100 E	—	65*
7 25	13 54.27	−49 50.2	0.568	1.258	52.3	16.2	101 E	—	66*
7 27	14 12.43	−49 13.2	0.576	1.271	51.3	16.2	103 E	—	67*
7 29	14 29.90	−48 28.0	0.585	1.284	50.2	16.2	104 E	—	68
7 31	14 46.59	−47 35.7	0.595	1.298	49.2	16.3	104 E	—	68
8 2	15 2.42	−46 37.4	0.607	1.312	48.3	16.3	105 E	—	69

162186 1999 OP_3 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
8 4	15 17.37	−45 34.5	0.620	1.326	47.4	16.4	106 E	—	70
8 6	15 31.44	−44 28.0	0.634	1.340	46.5	16.4	107 E	—	72
8 8	15 44.66	−43 19.1	0.650	1.355	45.7	16.5	107 E	—	73
8 10	15 57.06	−42 8.7	0.666	1.370	44.9	16.5	107 E	2*	74
8 12	16 8.69	−40 57.6	0.684	1.384	44.2	16.6	108 E	3*	75
8 14	16 19.59	−39 46.6	0.704	1.399	43.6	16.6	108 E	4*	76
8 16	16 29.84	−38 36.2	0.724	1.414	42.9	16.7	108 E	6*	77
8 18	16 39.47	−37 26.9	0.745	1.430	42.4	16.8	108 E	7*	79
8 20	16 48.54	−36 19.0	0.768	1.445	41.8	16.9	108 E	8*	80
8 22	16 57.10	−35 12.9	0.791	1.460	41.3	16.9	108 E	9*	81
8 24	17 5.20	−34 8.6	0.815	1.476	40.8	17.0	107 E	11*	82
8 29	17 23.69	−31 37.0	0.879	1.515	39.8	17.2	106 E	13*	84
9 3	17 40.13	−29 18.8	0.948	1.554	38.8	17.4	105 E	16*	87
9 8	17 54.96	−27 13.7	1.021	1.594	37.9	17.6	104 E	18*	89
9 13	18 8.55	−25 20.6	1.098	1.634	37.1	17.8	102 E	20*	89
9 18	18 21.14	−23 38.2	1.179	1.674	36.3	18.0	100 E	21*	88
9 23	18 32.94	−22 5.2	1.262	1.714	35.4	18.1	98 E	23*	86
9 28	18 44.10	−20 40.1	1.347	1.755	34.6	18.3	96 E	24	85*
10 3	18 54.73	−19 22.0	1.435	1.795	33.8	18.5	93 E	26	82*
10 8	19 4.96	−18 9.5	1.524	1.835	33.0	18.6	91 E	27	80*
10 13	19 14.83	−17 1.9	1.616	1.874	32.1	18.8	88 E	28*	77*
10 23	19 33.76	−14 57.8	1.801	1.953	30.4	19.0	83 E	30*	71*
11 2	19 51.82	−13 4.3	1.990	2.032	28.5	19.3	78 E	32*	64*
11 12	20 9.26	−11 17.6	2.179	2.108	26.6	19.5	73 E	33*	57*
11 22	20 26.18	− 9 34.6	2.367	2.184	24.6	19.7	67 E	35*	50*
12 2	20 42.66	− 7 53.5	2.552	2.258	22.6	19.9	62 E	36*	43*
12 12	20 58.77	− 6 12.9	2.732	2.331	20.5	20.0	56 E	36*	35*
12 22	21 14.51	− 4 31.7	2.906	2.403	18.4	20.2	50 E	35*	28*
1 1	21 29.92	− 2 49.4	3.071	2.472	16.3	20.3	45 E	34*	21*
1 11	21 45.00	− 1 5.6	3.226	2.541	14.2	20.4	39 E	31*	14*
1 21	21 59.74	+ 0 39.7	3.369	2.608	12.1	20.4	34 E	27*	8*

2937 Gibbs

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	9 32.27	− 7 41.2	2.247	2.918	16.1	18.4	124 W	37	72
1 6	9 26.08	− 8 47.3	2.164	2.932	14.0	18.2	134 W	36	73
1 16	9 17.71	− 9 33.7	2.101	2.945	11.7	18.1	143 W	35	74
1 26	9 7.76	− 9 57.1	2.062	2.957	9.6	18.0	150 W	35	74
2 5	8 57.09	− 9 56.4	2.051	2.968	8.5	17.9	154 E	35	74
2 15	8 46.69	− 9 33.2	2.068	2.977	8.9	17.9	152 E	35	74
2 20	8 41.91	− 9 14.4	2.087	2.982	9.7	18.0	150 E	36	73
2 25	8 37.54	− 8 51.9	2.113	2.986	10.6	18.1	146 E	36	73
3 2	8 33.67	− 8 26.4	2.144	2.991	11.7	18.1	142 E	37	72
3 7	8 30.36	− 7 58.8	2.182	2.994	12.8	18.2	138 E	37	72
3 12	8 27.65	− 7 29.9	2.225	2.998	13.9	18.3	134 E	38	71
3 17	8 25.57	− 7 0.4	2.272	3.001	14.9	18.4	129 E	38	71
3 27	8 23.35	− 6 2.5	2.380	3.007	16.7	18.6	120 E	39	70
4 6	8 23.61	− 5 9.4	2.499	3.013	18.0	18.7	111 E	40	69
4 16	8 26.14	− 4 24.2	2.627	3.017	18.9	18.9	103 E	40*	68
4 26	8 30.70	− 3 48.8	2.760	3.020	19.4	19.0	95 E	38*	68
5 6	8 36.99	− 3 24.0	2.894	3.022	19.5	19.1	87 E	35*	67*
5 16	8 44.74	− 3 10.3	3.027	3.023	19.2	19.2	80 E	29*	66*
5 26	8 53.74	− 3 7.7	3.155	3.023	18.7	19.3	73 E	23*	63*
6 5	9 3.74	− 3 15.9	3.278	3.022	17.9	19.3	67 E	17*	59*
6 15	9 14.59	− 3 34.4	3.393	3.021	17.0	19.4	60 E	11*	54*
6 25	9 26.13	− 4 2.9	3.499	3.018	15.8	19.4	54 E	5*	48*
7 5	9 38.23	− 4 40.6	3.595	3.014	14.6	19.4	48 E	—	42*
7 15	9 50.80	− 5 27.2	3.680	3.009	13.2	19.4	42 E	—	36*
7 25	10 3.74	− 6 21.8	3.752	3.004	11.7	19.4	37 E	—	29*
8 4	10 16.98	− 7 24.0	3.811	2.997	10.3	19.3	32 E	—	23*
8 14	10 30.48	− 8 33.1	3.857	2.989	8.8	19.3	27 E	—	17*
8 24	10 44.18	− 9 48.5	3.889	2.981	7.5	19.3	23 E	—	10*
9 3	10 58.04	−11 9.6	3.907	2.971	6.3	19.2	19 E	—	5*
9 13	11 12.05	−12 35.7	3.910	2.960	5.6	19.2	17 W	—	4*
9 23	11 26.16	−14 6.3	3.898	2.949	5.5	19.1	16 W	—	8*
10 3	11 40.35	−15 40.7	3.872	2.936	6.1	19.2	18 W	—	11*
10 13	11 54.60	−17 18.4	3.830	2.923	7.1	19.2	21 W	—	15*
10 23	12 8.87	−18 58.6	3.775	2.908	8.5	19.2	25 W	5*	19*
11 2	12 23.13	−20 40.7	3.705	2.893	10.0	19.2	30 W	9*	24*
11 12	12 37.35	−22 24.3	3.622	2.877	11.6	19.2	36 W	12*	28*
11 22	12 51.46	−24 8.5	3.526	2.859	13.2	19.2	41 W	14*	33*
12 2	13 5.41	−25 52.8	3.418	2.841	14.7	19.2	47 W	16*	39*
12 12	13 19.09	−27 36.7	3.299	2.822	16.2	19.1	53 W	16*	45*
12 22	13 32.41	−29 19.6	3.170	2.802	17.6	19.1	59 W	15*	52*
1 1	13 45.21	−31 0.8	3.033	2.781	18.8	19.0	66 W	14	59*
1 11	13 57.32	−32 39.8	2.889	2.758	19.9	18.9	73 W	12	66*
1 21	14 8.50	−34 16.0	2.739	2.736	20.7	18.8	79 W	11	73*

486220 2013 AB_{103}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 27	9 32.35	+17 34.5	1.749	2.546	15.7	21.4	136 W	63	46
1 6	9 25.06	+17 41.6	1.700	2.583	11.8	21.2	147 W	63	46
1 16	9 15.25	+17 55.6	1.674	2.620	7.4	21.0	160 W	63	46
1 26	9 3.88	+18 11.9	1.676	2.655	2.7	20.8	173 W	63	46
2 5	8 52.19	+18 26.0	1.707	2.690	2.1	20.9	174 E	63	46
2 15	8 41.45	+18 34.7	1.769	2.724	6.6	21.2	162 E	64	45
2 25	8 32.71	+18 36.4	1.858	2.758	10.5	21.5	150 E	64	45

5879 Almeria

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	9 33.24	−28 38.1	0.423	1.200	50.0	18.0	111 W	16	87
1 1	9 46.35	−28 21.8	0.391	1.190	49.7	17.8	113 W	17	88
1 6	10 0.07	−27 36.8	0.359	1.180	49.1	17.6	115 W	17	88
1 11	10 14.46	−26 15.7	0.329	1.172	48.1	17.3	117 W	19	90
1 16	10 29.57	−24 9.1	0.300	1.165	46.6	17.1	121 W	21	88
1 18	10 35.83	−23 3.2	0.289	1.163	45.8	17.0	122 W	22	87
1 20	10 42.21	−21 47.4	0.278	1.161	44.9	16.9	124 W	23	86
1 22	10 48.72	−20 21.1	0.268	1.159	43.9	16.7	125 W	25	84
1 24	10 55.35	−18 43.3	0.258	1.158	42.7	16.6	127 W	26	83
1 26	11 2.10	−16 53.4	0.248	1.157	41.5	16.5	129 W	28	81
1 31	11 19.40	−11 22.1	0.227	1.155	37.9	16.2	134 W	34	75
2 5	11 37.11	− 4 28.1	0.212	1.154	34.0	16.0	139 W	41	68
2 10	11 54.87	+ 3 37.7	0.202	1.156	30.4	15.7	144 W	49	60
2 15	12 12.23	+12 23.7	0.199	1.158	28.3	15.7	146 W	57	52
2 17	12 18.97	+15 55.3	0.200	1.160	28.0	15.7	147 W	61	48
2 19	12 25.54	+19 22.8	0.202	1.162	28.2	15.7	146 W	64	45
2 21	12 31.91	+22 43.6	0.205	1.164	28.7	15.7	146 W	68	41
2 23	12 38.05	+25 55.4	0.209	1.166	29.4	15.8	145 W	71	38
2 25	12 43.95	+28 56.3	0.214	1.169	30.4	15.9	143 W	74	35
2 27	12 49.56	+31 45.4	0.220	1.171	31.4	16.0	142 W	77	32
3 1	12 54.87	+34 21.8	0.227	1.174	32.6	16.1	140 W	79	30
3 3	12 59.86	+36 45.3	0.234	1.178	33.7	16.2	139 W	82	27
3 5	13 4.51	+38 56.2	0.242	1.181	34.8	16.3	137 W	84	25
3 7	13 8.80	+40 54.7	0.251	1.185	35.9	16.4	136 W	86	23
3 12	13 17.94	+45 0.5	0.275	1.195	38.2	16.7	132 W	90	19
3 17	13 24.88	+48 2.3	0.301	1.206	40.0	17.0	129 W	87	16
3 22	13 29.81	+50 10.5	0.328	1.219	41.3	17.2	126 W	85	14
3 27	13 33.05	+51 34.4	0.356	1.233	42.2	17.5	124 W	83	12
4 1	13 34.95	+52 21.7	0.385	1.247	42.7	17.7	122 W	83	12
4 6	13 35.84	+52 38.3	0.415	1.263	43.0	17.9	121 W	82	11
4 11	13 36.10	+52 28.4	0.445	1.279	43.1	18.0	119 W	83	12
4 16	13 36.07	+51 55.4	0.475	1.297	43.1	18.2	118 E	83	12
4 21	13 36.07	+51 2.7	0.506	1.314	42.9	18.4	117 E	84	13
4 26	13 36.31	+49 53.0	0.537	1.333	42.6	18.5	116 E	85	14
5 1	13 36.91	+48 28.8	0.568	1.352	42.3	18.7	115 E	87	16
5 6	13 37.95	+46 52.3	0.600	1.371	42.0	18.8	115 E	88	17
5 11	13 39.49	+45 5.0	0.632	1.391	41.7	18.9	114 E	90	19
5 16	13 41.59	+43 8.8	0.666	1.411	41.3	19.1	113 E	88	21
5 21	13 44.24	+41 5.3	0.700	1.431	40.9	19.2	112 E	86	23
5 26	13 47.42	+38 56.1	0.735	1.451	40.6	19.3	111 E	84	25
5 31	13 51.09	+36 42.7	0.771	1.471	40.3	19.5	110 E	82	27
6 5	13 55.21	+34 26.1	0.809	1.492	39.9	19.6	109 E	79	30
6 10	13 59.78	+32 7.4	0.848	1.512	39.6	19.7	108 E	77	32
6 15	14 4.75	+29 47.6	0.888	1.533	39.3	19.8	107 E	75	34
6 20	14 10.12	+27 27.6	0.930	1.553	39.0	20.0	106 E	72*	37
6 25	14 15.83	+25 8.4	0.973	1.573	38.7	20.1	104 E	70*	39
6 30	14 21.86	+22 50.7	1.018	1.593	38.4	20.2	103 E	67*	41
7 5	14 28.19	+20 35.0	1.064	1.613	38.1	20.3	102 E	63*	43
7 10	14 34.80	+18 21.7	1.112	1.632	37.8	20.4	100 E	61*	46
7 15	14 41.68	+16 11.4	1.161	1.652	37.5	20.5	98 E	58*	48
7 20	14 48.82	+14 4.5	1.212	1.671	37.2	20.6	97 E	55*	50
7 25	14 56.19	+12 1.2	1.265	1.689	36.8	20.7	95 E	52*	52
7 30	15 3.77	+10 2.0	1.319	1.708	36.4	20.8	93 E	50*	54
8 4	15 11.57	+ 8 6.8	1.374	1.726	36.0	20.9	91 E	48*	56
8 9	15 19.56	+ 6 15.9	1.431	1.744	35.6	21.0	89 E	46*	58
8 14	15 27.76	+ 4 29.3	1.488	1.761	35.1	21.1	87 E	44*	59*
8 19	15 36.15	+ 2 47.2	1.547	1.778	34.6	21.2	85 E	42*	61*
8 24	15 44.71	+ 1 9.7	1.606	1.795	34.0	21.3	83 E	40*	62*
8 29	15 53.44	− 0 23.3	1.667	1.811	33.4	21.4	81 E	38*	62*
9 3	16 2.33	− 1 51.7	1.727	1.827	32.8	21.5	79 E	37*	62*

330260 2006 SB_7

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	9 33.41	+45 56.7	1.786	2.583	15.4	21.1	136 W	89	18
1 1	9 29.46	+46 42.9	1.737	2.566	14.4	21.0	140 W	88	17
1 6	9 24.31	+47 27.4	1.694	2.549	13.4	20.9	143 W	88	17
1 11	9 17.98	+48 8.5	1.656	2.532	12.6	20.8	146 W	87	16
1 16	9 10.56	+48 44.1	1.625	2.514	12.0	20.7	148 W	86	15
1 21	9 2.21	+49 12.4	1.600	2.496	11.7	20.6	149 W	86	15
1 26	8 53.17	+49 31.6	1.581	2.477	11.8	20.6	149 W	85	14
1 31	8 43.74	+49 40.5	1.569	2.459	12.4	20.6	148 E	85	14

330260 2006 SB_7 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
2 5	8 34.24	+49 38.2	1.563	2.440	13.3	20.6	145 E	85	14
2 10	8 25.01	+49 24.6	1.563	2.420	14.4	20.6	142 E	86	15
2 15	8 16.40	+49 0.1	1.569	2.401	15.8	20.6	139 E	86	15
2 20	8 8.68	+48 25.6	1.581	2.381	17.2	20.7	134 E	87	16
2 25	8 2.05	+47 42.6	1.598	2.360	18.7	20.7	130 E	87	16
3 2	7 56.63	+46 52.3	1.618	2.340	20.1	20.8	126 E	88	17
3 7	7 52.48	+45 56.4	1.643	2.319	21.5	20.9	121 E	89	18
3 12	7 49.61	+44 56.1	1.671	2.298	22.7	20.9	117 E	90	19
3 17	7 47.98	+43 52.6	1.702	2.276	23.8	21.0	112 E	89	20
3 22	7 47.54	+42 46.9	1.735	2.254	24.8	21.0	108 E	88	21
3 27	7 48.20	+41 39.7	1.770	2.232	25.7	21.1	104 E	87	22
4 1	7 49.85	+40 31.6	1.805	2.210	26.4	21.1	100 E	86	23
4 6	7 52.41	+39 22.9	1.842	2.187	27.1	21.1	96 E	84*	25
4 11	7 55.80	+38 13.7	1.879	2.165	27.6	21.2	92 E	81*	26
4 16	7 59.93	+37 4.2	1.916	2.141	27.9	21.2	89 E	77*	27
4 21	8 4.72	+35 54.4	1.952	2.118	28.2	21.2	85 E	73*	28
4 26	8 10.10	+34 44.2	1.988	2.094	28.4	21.3	82 E	69*	29*
5 1	8 16.00	+33 33.5	2.023	2.071	28.5	21.3	78 E	65*	30*
5 6	8 22.37	+32 22.1	2.057	2.047	28.5	21.3	75 E	61*	31*
5 11	8 29.15	+31 9.9	2.089	2.022	28.4	21.3	72 E	57*	32*
5 16	8 36.31	+29 56.7	2.121	1.998	28.2	21.3	69 E	53*	33*
5 21	8 43.80	+28 42.3	2.150	1.974	28.0	21.3	66 E	49*	34*
5 26	8 51.59	+27 26.6	2.178	1.949	27.7	21.3	63 E	45*	34*
5 31	8 59.64	+26 9.5	2.204	1.924	27.4	21.3	61 E	41*	35*
6 5	9 7.93	+24 50.7	2.228	1.899	27.0	21.2	58 E	37*	35*
6 10	9 16.44	+23 30.1	2.250	1.874	26.6	21.2	56 E	34*	35*
6 15	9 25.16	+22 7.6	2.270	1.849	26.1	21.2	53 E	31*	35*
6 20	9 34.06	+20 43.1	2.288	1.824	25.6	21.2	51 E	27*	35*
6 25	9 43.13	+19 16.4	2.304	1.799	25.0	21.1	48 E	24*	34*
6 30	9 52.37	+17 47.6	2.318	1.774	24.4	21.1	46 E	22*	34*
7 5	10 1.76	+16 16.4	2.330	1.749	23.8	21.1	44 E	19*	33*
7 10	10 11.32	+14 42.9	2.340	1.724	23.2	21.0	42 E	17*	32*
7 15	10 21.03	+13 7.0	2.348	1.699	22.6	21.0	40 E	14*	31*
7 20	10 30.89	+11 28.6	2.354	1.674	21.9	20.9	38 E	12*	30*
7 25	10 40.92	+ 9 47.8	2.358	1.650	21.3	20.9	36 E	10*	29*
7 30	10 51.11	+ 8 4.6	2.361	1.626	20.6	20.8	34 E	9*	27*
8 4	11 1.48	+ 6 18.9	2.362	1.602	19.9	20.8	33 E	7*	26*
8 9	11 12.04	+ 4 30.7	2.361	1.579	19.2	20.7	31 E	5*	25*
8 14	11 22.81	+ 2 40.3	2.358	1.556	18.6	20.7	29 E	4*	23*
8 19	11 33.79	+ 0 47.6	2.354	1.533	17.9	20.6	28 E	3*	22*
8 24	11 45.02	− 1 7.2	2.349	1.511	17.3	20.6	26 E	1*	20*
8 29	11 56.50	− 3 4.0	2.343	1.490	16.7	20.5	25 E	—	19*
9 3	12 8.28	− 5 2.5	2.336	1.470	16.1	20.4	24 E	—	18*
9 13	12 32.82	− 9 3.9	2.319	1.432	15.0	20.3	22 E	—	15*
9 23	12 58.90	−13 8.7	2.300	1.397	14.0	20.2	20 E	—	13*
10 3	13 26.81	−17 13.0	2.281	1.367	13.3	20.1	18 E	—	11*
10 8	13 41.56	−19 13.5	2.271	1.354	13.0	20.1	18 E	—	10*
10 13	13 56.89	−21 11.8	2.262	1.343	12.8	20.1	17 E	—	10*
10 18	14 12.84	−23 7.2	2.254	1.333	12.6	20.0	17 E	—	9*
10 23	14 29.45	−24 58.6	2.247	1.324	12.4	20.0	17 E	—	9*
10 28	14 46.75	−26 44.9	2.240	1.317	12.3	20.0	16 E	—	8*
11 2	15 4.75	−28 25.1	2.235	1.312	12.2	20.0	16 E	—	8*
11 7	15 23.46	−29 58.0	2.232	1.308	12.0	20.0	16 E	—	8*
11 12	15 42.85	−31 22.4	2.230	1.306	11.9	19.9	16 E	—	7*
11 17	16 2.89	−32 37.0	2.230	1.305	11.8	19.9	16 E	—	7*
11 22	16 23.52	−33 40.9	2.231	1.307	11.7	19.9	16 E	—	7*
11 27	16 44.63	−34 32.9	2.235	1.310	11.6	19.9	15 E	—	7*
12 2	17 6.14	−35 12.4	2.240	1.315	11.4	19.9	15 E	—	7*
12 7	17 27.88	−35 38.8	2.248	1.321	11.1	20.0	15 E	—	7*
12 12	17 49.72	−35 51.9	2.257	1.329	10.9	20.0	15 E	—	7*
12 17	18 11.48	−35 51.6	2.269	1.338	10.6	20.0	14 E	—	7*
12 22	18 33.02	−35 38.2	2.282	1.349	10.2	20.0	14 E	—	6*
12 27	18 54.20	−35 12.4	2.297	1.362	9.9	20.0	14 E	—	6*
1 1	19 14.89	−34 35.0	2.314	1.376	9.5	20.0	13 E	—	6*
1 6	19 35.00	−33 46.9	2.332	1.391	9.0	20.1	13 E	—	5*
1 11	19 54.44	−32 49.2	2.352	1.407	8.6	20.1	12 E	—	4*
1 16	20 13.17	−31 43.0	2.372	1.424	8.2	20.1	12 E	—	4*
1 21	20 31.16	−30 29.7	2.394	1.442	7.7	20.1	11 E	—	3*

101158 1998 RA_{77}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	9 34.26	+21 18.8	2.160	2.948	13.4	21.2	136 W	66	43
1 6	9 28.54	+22 2.7	2.070	2.947	10.3	21.0	147 W	67	42
1 16	9 20.35	+22 52.5	2.005	2.946	6.8	20.8	159 W	68	41
1 26	9 10.31	+23 42.7	1.968	2.943	3.3	20.5	170 W	69	40
2 5	8 59.36	+24 27.0	1.962	2.939	3.1	20.5	171 E	69	40
2 15	8 48.61	+25 0.7	1.986	2.935	6.5	20.7	160 E	70	39
2 25	8 39.19	+25 21.1	2.038	2.929	10.1	20.9	149 E	70	39
3 7	8 31.94	+25 27.7	2.115	2.923	13.3	21.1	137 E	70	39
3 17	8 27.35	+25 22.0	2.212	2.915	15.9	21.3	126 E	70	39
3 27	8 25.56	+25 5.7	2.324	2.907	17.9	21.5	116 E	70	39

63341 2001 FD_{77}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 27	9 35.20	+52 53.2	2.889	3.636	11.3	20.0	133 W	82	11
1 1	9 31.18	+53 36.6	2.861	3.637	10.7	20.0	136 W	81	10
1 6	9 26.34	+54 17.1	2.839	3.639	10.2	19.9	139 W	81	10
1 11	9 20.70	+54 53.8	2.823	3.640	9.8	19.9	141 W	80	9
1 16	9 14.39	+55 25.6	2.813	3.641	9.5	19.9	142 W	80	9
1 21	9 7.53	+55 51.3	2.810	3.642	9.4	19.9	143 W	79	8
1 26	9 0.29	+56 10.4	2.813	3.642	9.5	19.9	142 W	79	8
1 31	8 52.88	+56 22.4	2.823	3.642	9.8	19.9	141 E	79	8
2 5	8 45.47	+56 26.9	2.839	3.642	10.2	19.9	139 E	79	8
2 10	8 38.29	+56 24.0	2.861	3.642	10.7	20.0	137 E	79	8
2 15	8 31.52	+56 14.0	2.889	3.642	11.3	20.0	134 E	79	8
2 20	8 25.32	+55 57.3	2.922	3.641	11.9	20.1	130 E	79	8
2 25	8 19.84	+55 34.7	2.960	3.641	12.6	20.1	127 E	79	8
3 2	8 15.14	+55 7.0	3.003	3.640	13.2	20.2	123 E	80	9
3 7	8 11.29	+54 34.9	3.050	3.639	13.8	20.2	119 E	80	9
3 17	8 6.19	+53 20.5	3.155	3.636	14.8	20.3	111 E	82	11
3 27	8 4.45	+51 57.0	3.270	3.632	15.5	20.4	103 E	83	12
4 6	8 5.71	+50 28.7	3.392	3.627	15.9	20.5	95 E	85	14
4 16	8 9.54	+48 58.0	3.517	3.621	16.1	20.6	88 E	82*	15
4 26	8 15.50	+47 26.9	3.642	3.615	15.9	20.7	80 E	74*	17
5 6	8 23.17	+45 55.9	3.765	3.607	15.5	20.7	73 E	66*	18*
5 16	8 32.24	+44 25.5	3.881	3.599	14.9	20.8	66 E	59*	19*
5 26	8 42.38	+42 55.6	3.991	3.590	14.1	20.8	60 E	51*	19*
6 5	8 53.37	+41 26.2	4.090	3.580	13.2	20.8	53 E	44*	19*
6 15	9 5.01	+39 57.1	4.179	3.569	12.1	20.8	47 E	38*	18*
6 25	9 17.13	+38 28.2	4.256	3.558	10.9	20.8	41 E	32*	16*
7 5	9 29.59	+36 59.4	4.319	3.545	9.7	20.8	36 E	27*	13*
7 15	9 42.31	+35 30.7	4.368	3.532	8.4	20.7	31 E	23*	10*
7 25	9 55.19	+34 2.1	4.402	3.518	7.3	20.7	26 E	19*	6*
8 4	10 8.15	+32 33.9	4.420	3.502	6.3	20.6	22 E	16*	1*
8 14	10 21.13	+31 6.3	4.422	3.486	5.7	20.6	20 E	14*	—
8 24	10 34.09	+29 39.7	4.408	3.470	5.5	20.6	19 E	11*	—
9 3	10 46.98	+28 14.4	4.378	3.452	5.9	20.6	21 W	9*	—
9 13	10 59.75	+26 51.0	4.331	3.433	6.8	20.6	24 W	14*	—
9 23	11 12.35	+25 30.0	4.268	3.414	7.9	20.6	28 W	20*	—
10 3	11 24.74	+24 12.0	4.189	3.393	9.2	20.6	33 W	26*	—
10 13	11 36.88	+22 57.9	4.095	3.372	10.6	20.6	39 W	32*	1*
10 23	11 48.68	+21 48.4	3.987	3.350	12.0	20.6	44 W	38*	5*
11 2	12 0.09	+20 44.5	3.865	3.327	13.4	20.5	51 W	45*	10*
11 12	12 11.01	+19 47.1	3.730	3.303	14.6	20.5	57 W	51*	15*
11 22	12 21.33	+18 57.2	3.585	3.278	15.7	20.4	64 W	56*	20*
12 2	12 30.92	+18 16.0	3.430	3.253	16.7	20.3	71 W	60*	25*
12 12	12 39.60	+17 44.6	3.269	3.226	17.4	20.2	79 W	62*	31*
12 22	12 47.19	+17 24.0	3.103	3.199	17.9	20.1	87 W	62	37*
1 1	12 53.44	+17 15.2	2.935	3.171	18.0	20.0	95 W	62	42*
1 11	12 58.08	+17 18.9	2.768	3.141	17.7	19.8	103 W	62	45*
1 21	13 0.81	+17 35.2	2.606	3.111	17.1	19.6	112 W	63	46

286889 2002 PO_{21}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	9 35.87	+11 26.1	1.437	2.226	18.9	21.1	133 W	56	53
1 6	9 30.99	+12 14.7	1.384	2.257	14.7	20.9	144 W	57	52
1 16	9 23.11	+13 21.2	1.352	2.289	9.8	20.7	157 W	58	51
1 26	9 13.11	+14 39.2	1.344	2.320	4.4	20.5	170 W	60	49
1 31	9 7.71	+15 19.9	1.351	2.335	1.7	20.3	176 W	60	49
2 5	9 2.29	+16 0.1	1.365	2.350	1.2	20.3	177 E	61	48
2 10	8 57.03	+16 38.8	1.386	2.365	3.8	20.5	171 E	62	47
2 15	8 52.09	+17 15.2	1.414	2.380	6.4	20.7	164 E	62	47
2 20	8 47.65	+17 48.5	1.448	2.395	8.8	20.9	158 E	63	46
2 25	8 43.83	+18 18.1	1.489	2.409	11.1	21.1	152 E	63	46
3 2	8 40.70	+18 43.9	1.536	2.424	13.1	21.2	146 E	64	45
3 7	8 38.32	+19 5.7	1.588	2.438	14.9	21.4	141 E	64	45

415987 2002 AE_9

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	9 36.14	− 9 42.1	0.618	1.415	35.9	20.2	122 W	35	74
1 1	9 35.89	− 8 11.1	0.550	1.391	33.9	19.8	128 W	37	72
1 6	9 34.13	− 5 58.5	0.485	1.367	31.0	19.4	134 W	39	70
1 11	9 30.40	− 2 48.2	0.423	1.341	27.2	19.0	142 W	42	67
1 16	9 24.11	+ 1 42.6	0.366	1.314	21.8	18.5	150 W	47	62
1 18	9 20.69	+ 4 0.0	0.344	1.303	19.2	18.2	154 W	49	60
1 20	9 16.65	+ 6 37.0	0.324	1.291	16.2	18.0	159 W	52	57
1 22	9 11.89	+ 9 35.8	0.305	1.280	12.8	17.7	163 W	55	54
1 24	9 6.32	+12 58.3	0.288	1.268	9.1	17.4	168 W	58	51
1 26	8 59.80	+16 45.6	0.272	1.256	5.2	17.1	173 W	62	47
1 28	8 52.17	+20 57.7	0.259	1.243	2.9	16.8	176 W	66	43
1 30	8 43.23	+25 33.2	0.248	1.231	6.4	16.9	172 E	71	38
2 1	8 32.75	+30 28.1	0.239	1.218	11.7	17.0	166 E	75	34
2 3	8 20.44	+35 36.2	0.233	1.205	17.5	17.2	158 E	81	28
2 5	8 5.98	+40 48.7	0.230	1.192	23.5	17.3	151 E	86	23

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
415987 2002 AE_9									
	h m	° ′			°	m	°	°	°
2 6	7 57.83	+43 23.3	0.229	1.185	26.6	17.4	147 E	88	21
2 7	7 49.01	+45 55.2	0.229	1.179	29.6	17.4	144 E	89	18
2 8	7 39.45	+48 22.8	0.230	1.172	32.7	17.5	140 E	87	16
2 9	7 29.13	+50 45.0	0.231	1.165	35.6	17.6	137 E	84	13
2 10	7 18.00	+53 0.6	0.233	1.158	38.5	17.7	133 E	82	11
2 11	7 6.03	+55 8.5	0.236	1.152	41.4	17.8	130 E	80	9
2 12	6 53.21	+57 7.8	0.239	1.145	44.1	17.9	126 E	78	7
2 13	6 39.53	+58 57.7	0.243	1.138	46.8	18.0	123 E	76	5
2 14	6 25.02	+60 37.9	0.247	1.131	49.3	18.1	120 E	74	3
2 15	6 9.72	+62 7.8	0.252	1.124	51.7	18.2	117 E	73	2
2 16	5 53.73	+63 27.3	0.257	1.117	54.0	18.3	114 E	72	1
2 17	5 37.16	+64 36.5	0.262	1.109	56.2	18.4	111 E	70	—
2 18	5 20.15	+65 35.5	0.268	1.102	58.3	18.5	108 E	69	—
2 19	5 2.86	+66 24.7	0.274	1.095	60.3	18.5	106 E	69	—
2 20	4 45.50	+67 4.5	0.280	1.088	62.2	18.6	103 E	68	—
2 21	4 28.23	+67 35.6	0.287	1.080	64.0	18.7	101 E	67	—
2 22	4 11.25	+67 58.7	0.293	1.073	65.7	18.8	99 E	67*	—
2 23	3 54.70	+68 14.6	0.300	1.066	67.3	18.9	96 E	67*	—
2 24	3 38.73	+68 24.1	0.307	1.058	68.8	19.0	94 E	66*	—
2 25	3 23.43	+68 28.0	0.314	1.051	70.2	19.1	92 E	65*	—
2 26	3 8.87	+68 27.0	0.322	1.043	71.6	19.1	90 E	64*	—
2 27	2 55.09	+68 21.8	0.329	1.036	72.9	19.2	89 E	63*	—
2 28	2 42.11	+68 13.1	0.336	1.028	74.1	19.3	87 E	62*	—
3 1	2 29.92	+68 1.4	0.344	1.021	75.3	19.4	85 E	61*	—
3 2	2 18.49	+67 47.3	0.351	1.013	76.4	19.4	83 E	59*	—
3 3	2 7.80	+67 31.1	0.359	1.005	77.4	19.5	82 E	58*	—
3 4	1 57.81	+67 13.2	0.366	0.998	78.5	19.6	80 E	57*	—
3 5	1 48.46	+66 53.9	0.374	0.990	79.4	19.6	79 E	56*	—
3 6	1 39.73	+66 33.4	0.381	0.982	80.3	19.7	77 E	54*	—
3 7	1 31.56	+66 12.0	0.389	0.974	81.2	19.7	76 E	53*	—
3 8	1 23.90	+65 49.8	0.396	0.967	82.0	19.8	75 E	52*	—
3 9	1 16.73	+65 26.9	0.403	0.959	82.8	19.8	73 E	51*	—
3 10	1 9.99	+65 3.5	0.411	0.951	83.6	19.9	72 E	49*	—
3 11	1 3.66	+64 39.6	0.418	0.943	84.4	19.9	71 E	48*	—
3 12	0 57.70	+64 15.1	0.425	0.935	85.1	20.0	70 E	47*	—
3 13	0 52.08	+63 50.3	0.433	0.927	85.7	20.0	69 E	45*	—
3 14	0 46.78	+63 25.1	0.440	0.920	86.4	20.1	67 E	44*	—
3 15	0 41.76	+62 59.4	0.447	0.912	87.0	20.1	66 E	43*	—
3 16	0 37.02	+62 33.4	0.454	0.904	87.7	20.1	65 E	42*	—
3 17	0 32.53	+62 6.9	0.461	0.896	88.3	20.2	64 E	41*	—
3 19	0 24.23	+61 12.7	0.474	0.880	89.4	20.3	62 E	38*	—
3 21	0 16.77	+60 16.5	0.488	0.865	90.5	20.3	60 E	36*	—
3 23	0 10.06	+59 18.1	0.500	0.849	91.5	20.4	58 E	33*	—
3 25	0 4.03	+58 17.3	0.513	0.834	92.4	20.4	57 W	34*	—
3 27	23 58.65	+57 13.7	0.525	0.818	93.3	20.5	55 W	34*	—
3 29	23 53.89	+56 7.2	0.537	0.803	94.2	20.5	53 W	35*	—
3 31	23 49.71	+54 57.6	0.549	0.788	95.0	20.6	52 W	35*	—
4 2	23 46.12	+53 44.7	0.560	0.774	95.7	20.6	50 W	35*	—
4 4	23 43.10	+52 28.3	0.572	0.759	96.4	20.6	49 W	36*	—
4 6	23 40.64	+51 8.3	0.582	0.746	97.0	20.7	48 W	36*	—
4 11	23 36.97	+47 32.7	0.609	0.713	98.3	20.7	45 W	36*	—
4 16	23 36.80	+43 35.2	0.635	0.685	98.9	20.8	42 W	36*	—
4 21	23 40.12	+39 18.7	0.662	0.662	98.8	20.8	41 W	35*	6*
4 26	23 46.83	+34 48.7	0.689	0.645	97.9	20.8	39 W	33*	11*
5 1	23 56.75	+30 13.1	0.718	0.635	96.0	20.7	39 W	30*	16*
5 6	0 9.53	+25 40.9	0.750	0.633	93.3	20.7	39 W	27*	21*
5 11	0 24.71	+21 20.9	0.784	0.639	89.8	20.7	39 W	24*	25*
5 16	0 41.77	+17 19.4	0.819	0.653	86.0	20.7	40 W	21*	28*
5 21	1 0.14	+13 40.8	0.856	0.674	81.9	20.7	41 W	17*	32*
5 26	1 19.34	+10 26.5	0.894	0.700	77.9	20.7	42 W	14*	34*
5 31	1 38.94	+ 7 36.2	0.932	0.731	74.0	20.8	44 W	12*	37*
6 5	1 58.60	+ 5 7.9	0.970	0.765	70.4	20.8	45 W	9*	39*
6 10	2 18.05	+ 2 59.1	1.007	0.801	67.2	20.9	47 W	8*	40*
6 15	2 37.09	+ 1 6.7	1.043	0.839	64.2	21.0	48 W	6*	42*
6 20	2 55.61	− 0 32.1	1.078	0.878	61.6	21.1	49 W	5*	43*
6 25	3 13.52	− 1 59.7	1.111	0.918	59.2	21.2	51 W	5*	45*
6 30	3 30.80	− 3 18.3	1.143	0.957	57.1	21.3	52 W	5*	46*
7 5	3 47.41	− 4 30.0	1.172	0.996	55.2	21.3	54 W	5*	48*
7 10	4 3.36	− 5 36.5	1.199	1.034	53.5	21.4	55 W	6*	49*
291252 2006 BP_{54}									
12 27	9 36.67	+18 56.2	1.857	2.645	15.3	21.1	135 W	64	45
1 6	9 32.13	+19 14.7	1.733	2.608	12.1	20.8	146 W	64	45
1 16	9 24.60	+19 42.0	1.632	2.571	8.2	20.5	158 W	65	44
1 26	9 14.48	+20 13.8	1.558	2.533	3.8	20.1	170 W	65	44
1 31	9 8.73	+20 29.5	1.531	2.514	1.8	19.9	175 W	65	44
2 5	9 2.71	+20 44.1	1.511	2.495	2.2	19.9	175 E	66	43
2 10	8 56.59	+20 56.9	1.499	2.475	4.4	20.0	169 E	66	43
2 15	8 50.57	+21 7.3	1.495	2.455	6.9	20.1	163 E	66	43
2 20	8 44.85	+21 14.7	1.497	2.435	9.3	20.2	156 E	66	43

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
291252 2006 BP_{54}									
	h m	° ′			°	m	°	°	°
2 25	8 39.58	+21 19.0	1.505	2.415	11.7	20.3	150 E	66	43
3 2	8 34.93	+21 20.0	1.519	2.395	14.0	20.4	144 E	66	43
3 7	8 30.99	+21 17.8	1.539	2.375	16.1	20.5	138 E	66	43
3 17	8 25.59	+21 4.1	1.592	2.333	19.8	20.6	127 E	66	43
3 27	8 23.74	+20 39.3	1.658	2.291	22.8	20.8	117 E	66	43
4 6	8 25.35	+20 4.8	1.733	2.249	25.1	20.9	108 E	65	44
4 16	8 30.13	+19 21.2	1.812	2.207	26.7	21.0	99 E	64*	45
4 26	8 37.73	+18 28.9	1.892	2.164	27.7	21.1	91 E	60*	46
5 6	8 47.73	+17 27.8	1.970	2.121	28.2	21.2	84 E	54*	47
5 16	8 59.78	+16 17.4	2.045	2.078	28.4	21.2	78 E	47*	47*
5 26	9 13.56	+14 57.4	2.114	2.035	28.2	21.2	72 E	40*	48*
6 5	9 28.79	+13 27.5	2.177	1.992	27.7	21.2	66 E	33*	47*
6 15	9 45.29	+11 47.4	2.233	1.950	27.0	21.2	61 E	27*	46*
6 25	10 2.88	+ 9 57.0	2.282	1.908	26.2	21.2	56 E	22*	45*
7 5	10 21.43	+ 7 56.5	2.325	1.868	25.2	21.1	51 E	17*	43*
7 15	10 40.89	+ 5 46.2	2.361	1.828	24.1	21.1	47 E	13*	40*
7 25	11 1.18	+ 3 26.6	2.390	1.790	22.9	21.0	43 E	10*	37*
8 4	11 22.31	+ 0 58.7	2.413	1.753	21.6	21.0	39 E	7*	33*
8 14	11 44.29	− 1 36.6	2.432	1.719	20.3	20.9	36 E	5*	30*
8 24	12 7.15	− 4 17.6	2.446	1.687	18.9	20.8	33 E	3*	27*
9 3	12 30.96	− 7 2.4	2.457	1.657	17.5	20.8	30 E	2*	24*
9 13	12 55.80	− 9 49.0	2.465	1.630	16.1	20.7	27 E	—	21*
9 23	13 21.73	−12 34.4	2.471	1.607	14.7	20.6	24 E	—	18*
10 3	13 48.84	−15 15.5	2.477	1.587	13.3	20.5	21 E	—	15*
10 13	14 17.19	−17 48.9	2.482	1.571	11.8	20.5	19 E	—	13*
10 23	14 46.79	−20 10.5	2.489	1.559	10.3	20.4	16 E	—	10*
11 2	15 17.61	−22 16.5	2.496	1.552	8.9	20.3	14 E	—	8*
11 12	15 49.55	−24 2.9	2.505	1.548	7.4	20.3	12 E	—	6*
11 22	16 22.40	−25 26.2	2.516	1.550	5.9	20.2	9 E	—	3*
12 2	16 55.88	−26 23.6	2.530	1.556	4.4	20.2	7 E	—	1*
12 12	17 29.63	−26 53.4	2.544	1.566	3.1	20.1	5 E	—	—
12 22	18 3.24	−26 55.2	2.561	1.580	2.2	20.1	4 E	—	—
1 1	18 36.32	−26 29.5	2.578	1.599	2.4	20.1	4 W	—	—
1 11	19 8.52	−25 38.5	2.596	1.621	3.6	20.3	6 W	—	—
1 21	19 39.56	−24 24.7	2.613	1.646	5.1	20.4	9 W	—	3*
120352 Gordonwong									
12 27	9 36.86	+16 55.6	2.150	2.924	13.9	21.0	134 W	62	47
1 6	9 31.77	+17 42.9	2.058	2.924	10.9	20.8	146 W	63	46
1 16	9 24.26	+18 40.3	1.988	2.924	7.2	20.6	158 W	64	45
1 26	9 14.88	+19 42.8	1.947	2.922	3.3	20.3	170 W	65	44
1 31	9 9.75	+20 14.1	1.938	2.921	1.6	20.2	175 W	65	44
2 5	9 4.50	+20 44.4	1.937	2.920	1.8	20.2	175 E	66	43
2 10	8 59.25	+21 12.9	1.943	2.918	3.6	20.3	169 E	66	43
2 15	8 54.16	+21 39.1	1.957	2.916	5.6	20.4	163 E	67	42
2 20	8 49.37	+22 2.5	1.978	2.914	7.6	20.5	157 E	67	42
2 25	8 44.99	+22 22.8	2.006	2.912	9.5	20.7	151 E	67	42
3 2	8 41.11	+22 39.8	2.040	2.909	11.2	20.8	145 E	68	41
3 7	8 37.82	+22 53.4	2.080	2.906	12.8	20.9	139 E	68	41
3 12	8 35.17	+23 3.7	2.125	2.903	14.3	21.0	134 E	68	41
3 17	8 33.19	+23 10.8	2.175	2.900	15.6	21.1	128 E	68	41
3 22	8 31.90	+23 14.9	2.229	2.896	16.7	21.1	123 E	68	41
3 27	8 31.30	+23 16.2	2.286	2.893	17.7	21.2	118 E	68	41
4 1	8 31.37	+23 14.8	2.346	2.889	18.5	21.3	113 E	68	41
4 6	8 32.08	+23 10.9	2.407	2.884	19.2	21.4	108 E	68	41
4 11	8 33.41	+23 4.6	2.471	2.880	19.7	21.5	104 E	68	41
272499 2005 UJ_{157}									
12 27	9 37.08	+15 40.0	2.154	2.924	14.0	21.3	134 W	61	48
1 6	9 31.61	+15 55.3	2.053	2.917	11.0	21.1	145 W	61	48
1 16	9 23.69	+16 19.6	1.976	2.910	7.4	20.8	158 W	61	48
1 26	9 13.88	+16 49.4	1.927	2.901	3.3	20.6	170 W	62	47
2 5	9 3.05	+17 20.3	1.907	2.892	1.0	20.4	177 E	62	47
2 10	8 57.58	+17 34.8	1.909	2.887	3.2	20.5	171 E	63	46
2 15	8 52.28	+17 48.1	1.919	2.882	5.3	20.6	164 E	63	46
2 20	8 47.27	+17 59.6	1.935	2.876	7.4	20.8	158 E	63	46
2 25	8 42.68	+18 9.1	1.959	2.871	9.3	20.9	152 E	63	46
3 2	8 38.60	+18 16.6	1.989	2.865	11.2	21.0	146 E	63	46
3 7	8 35.12	+18 21.8	2.025	2.859	12.9	21.1	140 E	63	46
3 12	8 32.28	+18 24.7	2.067	2.852	14.4	21.2	134 E	63	46
3 17	8 30.13	+18 25.5	2.112	2.845	15.8	21.3	129 E	63	46
3 22	8 28.68	+18 24.0	2.162	2.839	17.0	21.3	124 E	63	46
3 27	8 27.94	+18 20.5	2.215	2.831	18.0	21.4	119 E	63	46
481765 2008 ON_3									
12 27	9 38.29	+ 4 17.6	1.696	2.441	18.2	21.3	129 W	49	60
1 6	9 32.56	+ 4 21.6	1.643	2.482	14.6	21.2	141 W	49	60
1 16	9 24.29	+ 4 45.4	1.611	2.523	10.5	21.0	152 W	50	59
1 26	9 14.28	+ 5 27.0	1.604	2.563	6.3	20.9	163 W	50	59
2 5	9 3.66	+ 6 21.5	1.626	2.602	3.8	20.8	170 E	51	58

481765 2008 ON_3 *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
2 15	8 53.61	+ 7 22.9	1.676	2.640	5.8	21.0	164 E	52	57
2 25	8 45.23	+ 8 24.6	1.755	2.678	9.5	21.3	154 E	53	56

385354 2002 PM_{80}

12 27	9 38.95	+40 25.4	1.470	2.280	17.5	20.1	136 W	85	24
1 1	9 33.25	+40 38.3	1.450	2.298	15.7	20.1	141 W	86	23
1 6	9 26.46	+40 47.8	1.436	2.315	13.9	20.0	146 W	86	23
1 11	9 18.75	+40 52.2	1.428	2.332	12.1	19.9	150 W	86	23
1 16	9 10.33	+40 50.1	1.425	2.349	10.6	19.9	154 W	86	23
1 21	9 1.48	+40 40.4	1.430	2.366	9.4	19.9	157 W	86	23
1 26	8 52.50	+40 22.5	1.442	2.383	8.9	19.9	158 W	85	24
1 31	8 43.69	+39 56.3	1.460	2.400	9.1	19.9	157 E	85	24
2 5	8 35.33	+39 22.4	1.486	2.416	9.9	20.0	155 E	84	25
2 10	8 27.64	+38 41.5	1.519	2.433	11.1	20.1	152 E	84	25
2 15	8 20.82	+37 54.8	1.558	2.449	12.5	20.3	147 E	83	26
2 20	8 15.00	+37 3.6	1.604	2.465	14.0	20.4	143 E	82	27
2 25	8 10.24	+36 9.3	1.655	2.481	15.5	20.5	138 E	81	28
3 2	8 6.55	+35 12.9	1.712	2.496	16.8	20.7	133 E	80	29
3 7	8 3.90	+34 15.6	1.773	2.512	18.1	20.8	128 E	79	30
3 12	8 2.24	+33 18.0	1.838	2.527	19.1	20.9	124 E	78	31
3 17	8 1.51	+32 20.6	1.908	2.542	20.0	21.0	119 E	77	32
3 22	8 1.65	+31 24.1	1.980	2.557	20.8	21.1	114 E	76	33
3 27	8 2.56	+30 28.4	2.054	2.571	21.4	21.3	110 E	75	34
4 1	8 4.18	+29 33.9	2.131	2.586	21.8	21.4	106 E	75	34
4 6	8 6.42	+28 40.5	2.209	2.600	22.2	21.5	101 E	74	35

168385 1997 RH_4

12 27	9 39.34	+25 56.7	1.011	1.847	21.8	19.0	136 W	71	38
1 1	9 37.08	+26 19.8	0.993	1.863	19.4	18.9	141 W	71	38
1 6	9 33.66	+26 44.7	0.979	1.880	16.7	18.8	147 W	72	37
1 11	9 29.17	+27 9.9	0.970	1.896	13.9	18.7	152 W	72	37
1 16	9 23.76	+27 34.1	0.966	1.913	11.1	18.6	158 W	73	36
1 21	9 17.64	+27 55.4	0.967	1.930	8.5	18.5	163 W	73	36
1 26	9 11.10	+28 12.7	0.975	1.947	6.4	18.5	167 W	73	36
1 31	9 4.39	+28 24.7	0.988	1.964	5.6	18.5	169 W	73	36
2 5	8 57.81	+28 30.9	1.008	1.981	6.5	18.6	167 E	74	35
2 10	8 51.63	+28 31.0	1.034	1.998	8.4	18.8	163 E	74	35
2 15	8 46.08	+28 25.1	1.066	2.016	10.7	18.9	158 E	73	36
2 20	8 41.34	+28 13.6	1.104	2.033	13.0	19.1	152 E	73	36
2 25	8 37.55	+27 57.2	1.147	2.050	15.2	19.3	147 E	73	36
3 2	8 34.75	+27 36.7	1.195	2.067	17.2	19.5	142 E	73	36
3 7	8 32.95	+27 12.8	1.247	2.084	19.0	19.6	137 E	72	37
3 17	8 32.28	+26 17.0	1.363	2.118	22.0	20.0	127 E	71	38
3 27	8 35.15	+25 13.6	1.491	2.152	24.1	20.3	118 E	70	39
4 6	8 40.94	+24 4.8	1.629	2.185	25.5	20.5	110 E	69	40
4 16	8 49.08	+22 51.5	1.773	2.218	26.2	20.8	102 E	68*	41
4 26	8 59.05	+21 34.2	1.921	2.250	26.4	21.0	95 E	65*	42
5 6	9 10.41	+20 13.1	2.072	2.282	26.2	21.2	89 E	59*	44
5 16	9 22.82	+18 48.2	2.223	2.313	25.7	21.3	82 E	53*	45
5 26	9 36.01	+17 19.5	2.372	2.343	24.8	21.5	76 E	46*	46*

469502 2003 BZ_{20}

12 27	9 39.92	+ 0 59.1	0.712	1.525	30.8	20.5	127 W	46	63
1 1	9 41.09	+ 3 7.8	0.670	1.522	28.1	20.3	133 W	48	61
1 6	9 41.12	+ 5 43.7	0.631	1.519	24.9	20.1	139 W	51	58
1 11	9 39.90	+ 8 48.6	0.597	1.516	21.2	19.8	146 W	54	55
1 16	9 37.36	+12 22.5	0.568	1.512	17.1	19.6	153 W	57	52
1 21	9 33.48	+16 22.3	0.546	1.509	12.6	19.3	160 W	61	48
1 26	9 28.33	+20 41.7	0.530	1.506	8.5	19.1	167 W	66	43
1 28	9 25.94	+22 28.9	0.526	1.504	7.3	19.0	169 W	67	42
1 30	9 23.38	+24 16.9	0.523	1.503	6.7	19.0	170 W	69	40
2 1	9 20.67	+26 5.0	0.522	1.502	6.8	19.0	170 W	71	38
2 3	9 17.81	+27 52.5	0.521	1.500	7.6	19.0	168 W	73	36
2 5	9 14.84	+29 38.4	0.522	1.499	8.9	19.1	166 W	75	34
2 7	9 11.78	+31 22.2	0.525	1.497	10.6	19.1	164 E	76	33
2 9	9 8.66	+33 3.0	0.528	1.496	12.4	19.2	161 E	78	31
2 11	9 5.50	+34 40.3	0.532	1.494	14.2	19.3	158 E	80	29
2 13	9 2.35	+36 13.5	0.538	1.493	16.1	19.4	155 E	81	28
2 15	8 59.23	+37 42.3	0.545	1.491	18.0	19.5	152 E	83	26
2 20	8 51.80	+41 3.0	0.565	1.488	22.4	19.7	145 E	86	23
2 25	8 45.29	+43 52.0	0.591	1.484	26.4	19.9	138 E	89	20
3 2	8 40.09	+46 10.3	0.621	1.480	29.8	20.1	132 E	89	18
3 7	8 36.49	+48 0.6	0.654	1.477	32.8	20.3	126 E	87	16
3 12	8 34.66	+49 26.2	0.689	1.473	35.3	20.5	121 E	86	15
3 17	8 34.71	+50 30.6	0.725	1.469	37.3	20.6	116 E	84	13
3 22	8 36.61	+51 17.1	0.762	1.465	39.0	20.8	112 E	84	13
3 27	8 40.25	+51 48.4	0.800	1.462	40.4	20.9	108 E	83	12
4 1	8 45.48	+52 6.6	0.837	1.458	41.5	21.1	105 E	83	12
4 6	8 52.13	+52 13.2	0.874	1.454	42.4	21.2	102 E	83	12
4 11	9 0.04	+52 9.3	0.910	1.451	43.1	21.3	99 E	83	12

469502 2003 BZ_{20} *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 16	9 9.06	+51 55.8	0.945	1.447	43.6	21.4	96 E	83	12
4 21	9 19.00	+51 33.4	0.979	1.444	44.0	21.4	93 E	83	12

179630 2002 PX_{70}

12 27	9 40.15	+ 7 12.6	1.948	2.689	16.2	20.7	130 W	52	57
1 6	9 34.85	+ 7 19.0	1.872	2.711	13.1	20.5	141 W	52	57
1 16	9 27.11	+ 7 41.2	1.817	2.732	9.3	20.3	153 W	53	56
1 26	9 17.55	+ 8 17.4	1.788	2.751	5.3	20.1	165 W	53	56
2 5	9 7.14	+ 9 3.4	1.789	2.770	2.5	20.0	173 E	54	55
2 10	9 1.95	+ 9 28.5	1.800	2.779	3.3	20.0	171 E	54	55
2 15	8 56.95	+ 9 54.2	1.820	2.788	5.0	20.1	166 E	55	54
2 20	8 52.29	+10 19.7	1.846	2.796	6.9	20.3	160 E	55	54
2 25	8 48.08	+10 44.5	1.879	2.804	8.8	20.4	154 E	56	53
3 7	8 41.30	+11 29.9	1.965	2.820	12.3	20.7	143 E	56	53
3 17	8 37.07	+12 7.6	2.072	2.835	15.2	20.9	132 E	57	52
3 27	8 35.52	+12 36.0	2.197	2.849	17.4	21.1	122 E	58	51
4 6	8 36.52	+12 54.4	2.333	2.862	18.9	21.3	112 E	58	51
4 16	8 39.84	+13 2.8	2.478	2.874	19.9	21.5	103 E	58*	51

33836 2000 FB_{39}

12 27	9 40.26	+34 43.2	2.355	3.138	12.6	20.6	136 W	80	29
1 1	9 37.27	+35 18.6	2.318	3.143	11.4	20.5	141 W	80	29
1 6	9 33.57	+35 53.9	2.286	3.148	10.1	20.4	146 W	81	28
1 11	9 29.21	+36 28.3	2.261	3.152	8.9	20.4	150 W	81	28
1 16	9 24.25	+37 0.5	2.242	3.157	7.8	20.3	154 W	82	27
1 21	9 18.80	+37 29.8	2.230	3.161	6.9	20.3	157 W	82	27
1 26	9 12.99	+37 55.0	2.226	3.165	6.4	20.2	159 W	83	26
1 31	9 6.96	+38 15.5	2.229	3.168	6.4	20.2	159 W	83	26
2 5	9 0.86	+38 30.7	2.239	3.172	6.9	20.3	157 E	84	25
2 10	8 54.85	+38 40.3	2.257	3.175	7.8	20.3	154 E	84	25
2 15	8 49.09	+38 44.1	2.282	3.178	8.9	20.4	150 E	84	25
2 20	8 43.73	+38 42.4	2.313	3.180	10.0	20.5	146 E	84	25
2 25	8 38.88	+38 35.3	2.351	3.183	11.3	20.6	141 E	84	25
3 2	8 34.64	+38 23.5	2.394	3.185	12.4	20.7	136 E	83	26
3 7	8 31.06	+38 7.5	2.443	3.187	13.5	20.7	131 E	83	26
3 12	8 28.19	+37 47.8	2.496	3.189	14.5	20.8	126 E	83	26
3 17	8 26.05	+37 24.9	2.554	3.190	15.4	20.9	122 E	82	27
3 22	8 24.64	+36 59.5	2.614	3.191	16.2	21.0	117 E	82	27
3 27	8 23.94	+36 31.9	2.678	3.192	16.8	21.1	112 E	82	27
4 1	8 23.93	+36 2.7	2.744	3.193	17.3	21.1	108 E	81	28
4 6	8 24.56	+35 32.0	2.811	3.193	17.8	21.2	103 E	81	28
4 11	8 25.79	+35 0.2	2.880	3.193	18.1	21.3	99 E	80*	29
4 16	8 27.60	+34 27.5	2.950	3.193	18.3	21.3	95 E	78*	30
4 21	8 29.92	+33 54.0	3.020	3.193	18.3	21.4	91 E	75*	30
4 26	8 32.71	+33 19.8	3.090	3.192	18.3	21.4	87 E	72*	31
5 1	8 35.94	+32 45.0	3.160	3.191	18.2	21.5	83 E	68*	31

137444 1999 TE_{245}

12 27	9 40.60	− 4 59.5	1.539	2.244	21.2	18.1	124 W	40	69
1 1	9 37.72	− 5 54.6	1.509	2.261	19.8	18.1	129 W	39	70
1 6	9 34.04	− 6 44.2	1.484	2.277	18.2	18.0	134 W	38	71
1 11	9 29.62	− 7 27.6	1.463	2.294	16.5	17.9	138 W	38	71
1 16	9 24.54	− 8 3.9	1.447	2.310	14.9	17.8	143 W	37	72
1 26	9 12.97	− 8 53.1	1.433	2.342	11.9	17.8	151 W	36	73
2 5	9 0.61	− 9 10.1	1.445	2.373	10.3	17.7	155 E	36	73
2 15	8 48.90	− 8 57.3	1.482	2.404	10.8	17.8	153 E	36	73
2 20	8 43.71	− 8 41.7	1.511	2.420	11.7	17.9	150 E	36	73
2 25	8 39.14	− 8 21.3	1.545	2.435	12.9	18.0	147 E	37	72
3 2	8 35.27	− 7 57.5	1.586	2.450	14.1	18.1	143 E	37	72
3 7	8 32.16	− 7 31.2	1.631	2.464	15.4	18.3	139 E	37	72
3 12	8 29.84	− 7 3.6	1.681	2.479	16.7	18.4	134 E	38	71
3 17	8 28.32	− 6 35.5	1.736	2.493	17.8	18.5	130 E	38	71
3 22	8 27.58	− 6 7.9	1.794	2.508	18.9	18.6	126 E	39	70
3 27	8 27.60	− 5 41.4	1.855	2.522	19.8	18.7	121 E	39	70
4 6	8 29.72	− 4 53.7	1.987	2.549	21.2	19.0	113 E	40	69
4 16	8 34.31	− 4 15.5	2.126	2.576	22.1	19.2	105 E	41*	68
4 26	8 40.99	− 3 48.4	2.271	2.602	22.5	19.3	98 E	39*	68
5 6	8 49.37	− 3 33.0	2.418	2.627	22.6	19.5	90 E	36*	68
5 16	8 59.14	− 3 29.4	2.565	2.651	22.3	19.6	84 E	31*	67*
5 26	9 10.03	− 3 37.5	2.710	2.674	21.7	19.8	77 E	25*	65*
6 5	9 21.79	− 3 56.4	2.852	2.697	20.8	19.9	71 E	19*	62*
6 15	9 34.26	− 4 25.6	2.988	2.718	19.8	19.9	65 E	13*	58*
6 25	9 47.28	− 5 4.5	3.118	2.739	18.6	20.0	59 E	8*	53*
7 5	10 0.72	− 5 52.0	3.241	2.759	17.2	20.1	53 E	3*	47*
7 15	10 14.50	− 6 47.6	3.355	2.778	15.8	20.1	48 E	—	42*
7 25	10 28.54	− 7 50.4	3.459	2.796	14.2	20.1	43 E	—	36*
8 4	10 42.77	− 8 59.6	3.553	2.813	12.6	20.1	37 E	—	29*
8 14	10 57.17	−10 14.5	3.635	2.829	11.0	20.1	32 E	—	23*

137444 1999 TE_{245} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
8 24	11 11.67	−11 34.3	3.705	2.844	9.4	20.1	27 E	—	17*
9 3	11 26.26	−12 58.3	3.762	2.858	7.8	20.1	23 E	—	12*
9 13	11 40.93	−14 25.9	3.806	2.872	6.5	20.1	19 E	—	6*
9 23	11 55.63	−15 56.3	3.835	2.884	5.5	20.1	16 W	—	2*
10 3	12 10.35	−17 28.7	3.850	2.895	5.1	20.1	15 W	—	6*
10 13	12 25.07	−19 2.7	3.851	2.906	5.5	20.1	16 W	—	9*
10 23	12 39.75	−20 37.5	3.836	2.915	6.4	20.1	19 W	—	13*
11 2	12 54.37	−22 12.5	3.807	2.924	7.8	20.2	23 W	3*	17*
11 12	13 8.88	−23 47.1	3.762	2.931	9.3	20.2	29 W	7*	22*
11 22	13 23.21	−25 20.8	3.703	2.938	10.9	20.3	34 W	10*	27*
12 2	13 37.29	−26 53.0	3.630	2.943	12.4	20.3	40 W	12*	32*
12 12	13 51.04	−28 23.4	3.544	2.948	13.9	20.3	46 W	14*	39*
12 22	14 4.31	−29 51.3	3.445	2.952	15.3	20.3	53 W	14*	45*
1 1	14 16.98	−31 16.6	3.335	2.954	16.6	20.3	59 W	13*	52*
1 11	14 28.86	−32 38.9	3.214	2.956	17.7	20.2	66 W	12*	60*
1 21	14 39.72	−33 57.6	3.086	2.957	18.6	20.2	73 W	11	67*

396436 2014 EO_{45}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	9 43.30	+24 23.0	1.630	2.423	16.8	21.5	135 W	69	40
1 6	9 40.05	+25 9.3	1.513	2.387	13.6	21.2	145 W	70	39
1 16	9 33.34	+26 4.6	1.416	2.349	9.8	20.8	156 W	71	38
1 26	9 23.49	+27 1.3	1.344	2.312	6.0	20.5	166 W	72	37
2 5	9 11.44	+27 49.9	1.299	2.273	5.1	20.4	168 E	73	36
2 10	9 5.03	+28 8.3	1.287	2.254	6.6	20.4	165 E	73	36
2 15	8 58.68	+28 21.4	1.281	2.235	8.8	20.5	160 E	73	36
2 20	8 52.62	+28 28.8	1.282	2.215	11.2	20.6	154 E	73	36
2 25	8 47.06	+28 30.2	1.289	2.196	13.6	20.6	149 E	74	35
3 2	8 42.19	+28 25.7	1.301	2.176	15.9	20.7	143 E	73	36
3 7	8 38.14	+28 15.7	1.319	2.156	18.1	20.8	137 E	73	36
3 12	8 35.03	+28 0.6	1.340	2.137	20.2	20.9	132 E	73	36
3 17	8 32.91	+27 41.0	1.365	2.117	22.1	21.0	127 E	73	36
3 22	8 31.81	+27 17.3	1.393	2.097	23.8	21.0	122 E	72	37
3 27	8 31.74	+26 50.0	1.424	2.078	25.3	21.1	117 E	72	37
4 1	8 32.64	+26 19.5	1.457	2.058	26.6	21.2	113 E	71	38
4 6	8 34.48	+25 46.3	1.491	2.039	27.8	21.2	108 E	71	38
4 11	8 37.20	+25 10.3	1.526	2.019	28.8	21.3	104 E	70	39
4 16	8 40.74	+24 31.9	1.561	2.000	29.6	21.4	100 E	69*	39
4 21	8 45.05	+23 51.0	1.597	1.980	30.3	21.4	96 E	68*	40
4 26	8 50.05	+23 7.8	1.633	1.961	30.8	21.5	93 E	65*	41
5 1	8 55.68	+22 22.2	1.669	1.942	31.2	21.5	90 E	62*	42

243618 1999 JU_{61}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	9 43.40	+ 3 28.5	2.491	3.190	14.1	21.3	128 W	48	61
1 6	9 39.04	+ 3 18.8	2.369	3.174	11.8	21.1	139 W	48	61
1 16	9 32.54	+ 3 23.3	2.269	3.157	9.0	20.9	150 W	48	61
1 26	9 24.29	+ 3 42.3	2.194	3.139	6.0	20.7	160 W	49	60
2 5	9 14.91	+ 4 14.3	2.148	3.120	3.7	20.5	168 W	49	60
2 15	9 5.23	+ 4 56.5	2.133	3.100	4.5	20.5	166 E	50	59
2 25	8 56.18	+ 5 44.6	2.149	3.079	7.5	20.6	156 E	51	58
3 7	8 48.58	+ 6 34.1	2.192	3.057	10.8	20.8	145 E	52	57
3 17	8 43.02	+ 7 20.9	2.258	3.034	13.7	21.0	134 E	52	57
3 27	8 39.85	+ 8 1.9	2.344	3.010	16.1	21.1	123 E	53	56
4 6	8 39.15	+ 8 34.8	2.443	2.985	17.9	21.2	113 E	54	55
4 16	8 40.82	+ 8 58.5	2.551	2.960	19.2	21.4	104 E	54*	55
4 26	8 44.69	+ 9 12.3	2.663	2.933	20.0	21.5	95 E	52*	55

282443 2003 YT_{90}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	9 43.48	+ 5 45.7	1.627	2.371	18.8	20.3	129 W	51	58
1 6	9 38.75	+ 5 57.8	1.576	2.413	15.2	20.1	140 W	51	58
1 16	9 31.33	+ 6 29.6	1.544	2.455	10.9	20.0	152 W	51	58
1 26	9 22.01	+ 7 18.4	1.536	2.496	6.4	19.8	164 W	52	57
1 31	9 16.97	+ 7 47.4	1.543	2.516	4.4	19.7	169 W	53	56
2 5	9 11.88	+ 8 18.6	1.556	2.537	3.0	19.7	172 E	53	56
2 10	9 6.90	+ 8 50.9	1.577	2.557	3.4	19.8	171 E	54	55
2 15	9 2.16	+ 9 23.6	1.605	2.577	5.0	19.9	167 E	54	55
2 20	8 57.83	+ 9 55.8	1.640	2.596	7.0	20.1	161 E	55	54
2 25	8 53.99	+10 26.6	1.682	2.616	8.9	20.2	156 E	55	54
3 7	8 48.12	+11 22.4	1.784	2.655	12.5	20.5	144 E	56	53
3 17	8 44.92	+12 7.9	1.908	2.693	15.5	20.8	134 E	57	52
3 27	8 44.44	+12 41.7	2.048	2.731	17.7	21.1	124 E	58	51
4 6	8 46.48	+13 3.4	2.202	2.768	19.2	21.3	114 E	58	51

9881 1994 SE

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	9 43.83	+24 8.7	2.267	3.038	13.4	20.8	134 W	69	40
1 6	9 37.76	+25 10.1	2.199	3.062	10.4	20.6	146 W	70	39
1 16	9 29.29	+26 15.1	2.155	3.084	7.2	20.4	157 W	71	38
1 26	9 19.04	+27 16.9	2.140	3.106	4.2	20.3	166 W	72	37

9881 1994 SE *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
1 31	9 13.54	+27 44.6	2.144	3.117	3.5	20.3	169 W	73	36
2 5	9 7.96	+28 9.1	2.156	3.127	3.8	20.3	168 E	73	36
2 10	9 2.45	+28 30.1	2.176	3.137	4.9	20.4	164 E	74	35
2 15	8 57.13	+28 47.0	2.203	3.146	6.4	20.5	159 E	74	35
2 20	8 52.14	+28 59.8	2.237	3.155	7.9	20.6	154 E	74	35
2 25	8 47.60	+29 8.5	2.279	3.164	9.4	20.7	148 E	74	35
3 2	8 43.58	+29 13.1	2.326	3.173	10.9	20.8	143 E	74	35
3 7	8 40.14	+29 14.1	2.379	3.182	12.2	20.9	137 E	74	35
3 12	8 37.33	+29 11.6	2.438	3.190	13.4	21.0	132 E	74	35
3 17	8 35.18	+29 6.0	2.501	3.198	14.4	21.1	127 E	74	35
3 22	8 33.69	+28 57.7	2.568	3.205	15.3	21.2	122 E	74	35
3 27	8 32.86	+28 46.9	2.638	3.212	16.1	21.3	117 E	74	35
4 1	8 32.66	+28 33.9	2.711	3.219	16.7	21.4	112 E	74	35
4 6	8 33.05	+28 19.1	2.786	3.226	17.2	21.5	107 E	73	36

51075 2000 GG_{162}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	9 43.93	−26 6.9	1.007	1.638	34.1	17.6	111 W	19	90
1 1	9 47.57	−27 57.7	0.974	1.630	33.8	17.5	113 W	17	88
1 6	9 50.49	−29 41.7	0.943	1.622	33.4	17.4	115 W	15	86
1 11	9 52.66	−31 17.3	0.913	1.615	32.9	17.3	117 W	14	85
1 16	9 54.04	−32 42.6	0.885	1.609	32.4	17.2	119 W	12	83
1 21	9 54.64	−33 55.7	0.859	1.604	31.8	17.1	121 W	11	82
1 26	9 54.52	−34 55.0	0.835	1.600	31.1	17.1	123 W	10	81
1 31	9 53.72	−35 38.6	0.813	1.597	30.3	17.0	125 W	9	80
2 5	9 52.35	−36 5.0	0.792	1.595	29.5	16.9	127 W	9	80
2 10	9 50.56	−36 12.4	0.774	1.593	28.7	16.8	129 W	9	80
2 15	9 48.52	−35 59.6	0.758	1.593	27.8	16.7	131 E	9	80
2 20	9 46.49	−35 26.0	0.744	1.593	26.9	16.7	133 E	10	81
2 25	9 44.68	−34 31.9	0.734	1.594	26.1	16.6	135 E	10	81
3 2	9 43.32	−33 17.9	0.726	1.597	25.4	16.6	136 E	12	83
3 7	9 42.59	−31 45.6	0.721	1.600	24.8	16.6	137 E	13	84
3 12	9 42.65	−29 56.9	0.720	1.604	24.4	16.5	138 E	15	86
3 17	9 43.61	−27 54.9	0.723	1.609	24.3	16.6	138 E	17	88
3 22	9 45.55	−25 43.0	0.730	1.615	24.4	16.6	138 E	19	90
3 27	9 48.47	−23 25.0	0.741	1.621	24.7	16.6	137 E	22	87
4 1	9 52.35	−21 4.6	0.756	1.629	25.3	16.7	136 E	24	85
4 6	9 57.12	−18 45.1	0.775	1.637	26.1	16.8	134 E	26	83
4 11	10 2.71	−16 29.5	0.799	1.646	27.0	16.9	132 E	29	80
4 16	10 9.06	−14 20.7	0.827	1.656	28.0	17.0	129 E	31	78
4 21	10 16.08	−12 20.6	0.859	1.666	28.9	17.1	127 E	33	76
4 26	10 23.66	−10 30.6	0.895	1.678	29.9	17.3	124 E	34	75
5 1	10 31.71	− 8 51.6	0.934	1.689	30.8	17.4	121 E	36	73
5 6	10 40.15	− 7 23.9	0.977	1.702	31.5	17.5	118 E	38	71
5 16	10 57.97	− 5 2.2	1.071	1.729	32.8	17.8	112 E	39*	69
5 26	11 16.63	− 3 22.8	1.177	1.758	33.5	18.1	107 E	39*	67
6 5	11 35.76	− 2 20.3	1.291	1.788	33.8	18.3	101 E	38*	66
6 10	11 45.42	− 2 1.0	1.351	1.804	33.8	18.4	98 E	37*	66
6 15	11 55.13	− 1 48.7	1.413	1.821	33.7	18.6	96 E	36*	66
6 20	12 4.86	− 1 42.7	1.475	1.837	33.5	18.7	93 E	35*	66
6 25	12 14.60	− 1 42.3	1.540	1.854	33.2	18.8	91 E	33*	66
7 5	12 34.06	− 1 55.6	1.671	1.889	32.5	19.0	86 E	31*	66*
7 15	12 53.48	− 2 24.1	1.805	1.925	31.4	19.1	81 E	28*	65*
7 25	13 12.85	− 3 3.9	1.941	1.961	30.2	19.3	76 E	26*	64*
8 4	13 32.16	− 3 51.5	2.078	1.998	28.7	19.5	71 E	25*	61*
8 14	13 51.44	− 4 44.1	2.214	2.036	27.2	19.6	67 E	23*	58*
8 24	14 10.71	− 5 39.2	2.348	2.073	25.5	19.7	62 E	22*	54*
9 3	14 29.98	− 6 34.7	2.479	2.111	23.7	19.8	57 E	21*	49*
9 13	14 49.29	− 7 28.8	2.607	2.149	21.8	19.9	53 E	20*	45*
9 23	15 8.62	− 8 19.8	2.730	2.186	19.9	20.0	48 E	20*	40*
10 3	15 27.99	− 9 6.2	2.846	2.223	17.9	20.0	43 E	19*	35*
10 13	15 47.38	− 9 47.0	2.956	2.260	15.9	20.1	38 E	18*	30*
10 23	16 6.78	−10 21.0	3.058	2.297	13.9	20.1	34 E	17*	24*
11 2	16 26.16	−10 47.3	3.151	2.333	11.9	20.2	29 E	16*	18*
11 12	16 45.49	−11 5.0	3.234	2.368	9.9	20.2	24 E	14*	12*
11 22	17 4.70	−11 13.7	3.306	2.403	8.1	20.2	20 E	13*	6*
12 2	17 23.75	−11 12.9	3.368	2.437	6.5	20.2	16 E	10*	—
12 12	17 42.58	−11 2.3	3.417	2.471	5.4	20.2	14 E	7*	—
12 22	18 1.10	−10 41.7	3.453	2.503	5.0	20.2	13 E	3*	—
1 1	18 19.27	−10 11.3	3.477	2.535	5.5	20.3	14 W	8*	—
1 11	18 36.99	− 9 31.2	3.488	2.567	6.6	20.4	17 W	11*	—
1 21	18 54.20	− 8 41.8	3.485	2.597	8.1	20.5	22 W	15*	5*

87035 2000 KE_2

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	9 44.09	+ 3 21.2	0.879	1.672	27.8	16.4	128 W	48	61
1 6	9 45.30	+ 6 40.0	0.834	1.703	22.3	16.1	139 W	52	57
1 16	9 42.45	+10 48.1	0.806	1.735	15.7	15.9	151 W	56	53
1 26	9 36.16	+15 27.6	0.801	1.770	8.5	15.6	165 W	60	49
1 31	9 32.13	+17 49.8	0.808	1.787	5.0	15.5	171 W	63	46
2 5	9 27.80	+20 8.0	0.822	1.806	2.9	15.5	175 W	65	44

87035 2000 KE_2 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
2 10	9 23.41	+22 18.4	0.842	1.824	4.5	15.6	172 E	67	42
2 15	9 19.22	+24 17.7	0.869	1.843	7.5	15.9	166 E	69	40
2 20	9 15.46	+26 3.8	0.903	1.862	10.6	16.1	160 E	71	38
2 25	9 12.34	+27 35.6	0.942	1.881	13.5	16.3	154 E	73	36
3 2	9 9.99	+28 52.9	0.987	1.901	16.1	16.5	148 E	74	35
3 7	9 8.49	+29 56.2	1.037	1.921	18.4	16.7	142 E	75	34
3 12	9 7.90	+30 46.4	1.091	1.941	20.4	16.9	137 E	76	33
3 17	9 8.23	+31 24.5	1.149	1.961	22.1	17.1	132 E	76	33
3 22	9 9.46	+31 51.8	1.211	1.981	23.5	17.3	127 E	77	32
3 27	9 11.54	+32 9.5	1.275	2.001	24.7	17.5	123 E	77	32
4 1	9 14.39	+32 18.8	1.342	2.022	25.7	17.6	119 E	77	32
4 6	9 17.95	+32 20.6	1.410	2.042	26.4	17.8	115 E	77	32
4 11	9 22.15	+32 15.8	1.481	2.063	27.0	17.9	111 E	77	32
4 16	9 26.91	+32 5.2	1.553	2.083	27.4	18.1	107 E	77	32
4 21	9 32.18	+31 49.5	1.627	2.103	27.7	18.2	104 E	77	32
4 26	9 37.88	+31 29.2	1.701	2.124	27.8	18.3	100 E	76*	33
5 1	9 43.94	+31 4.8	1.776	2.144	27.8	18.4	97 E	75*	33
5 6	9 50.33	+30 36.8	1.851	2.165	27.7	18.5	94 E	73*	33
5 11	9 56.98	+30 5.6	1.927	2.185	27.5	18.7	91 E	70*	34
5 16	10 3.87	+29 31.4	2.003	2.205	27.3	18.7	88 E	67*	34
5 26	10 18.19	+28 15.5	2.155	2.245	26.5	18.9	82 E	60*	36
6 5	10 33.04	+26 51.2	2.305	2.285	25.5	19.1	76 E	54*	37*
6 15	10 48.25	+25 20.2	2.453	2.324	24.4	19.2	71 E	47*	38*
6 25	11 3.69	+23 44.1	2.597	2.363	23.0	19.3	65 E	42*	39*
7 5	11 19.26	+22 4.2	2.737	2.401	21.6	19.4	60 E	37*	38*
7 15	11 34.91	+20 21.6	2.870	2.438	20.0	19.5	55 E	32*	37*
7 25	11 50.60	+18 37.5	2.998	2.474	18.4	19.6	50 E	29*	35*
8 4	12 6.30	+16 52.8	3.117	2.510	16.7	19.7	45 E	26*	32*
8 14	12 22.00	+15 8.5	3.228	2.545	15.0	19.7	41 E	23*	28*
8 24	12 37.69	+13 25.4	3.330	2.579	13.3	19.7	36 E	21*	24*
9 3	12 53.37	+11 44.5	3.422	2.612	11.5	19.8	31 E	19*	19*
9 13	13 9.05	+10 6.6	3.503	2.644	9.9	19.8	27 E	17*	14*
9 23	13 24.70	+ 8 32.4	3.572	2.676	8.4	19.8	23 E	15*	9*
10 3	13 40.32	+ 7 2.9	3.629	2.706	7.1	19.8	19 E	13*	4*
10 13	13 55.92	+ 5 38.7	3.673	2.736	6.2	19.8	17 E	11*	—
10 23	14 11.45	+ 4 20.6	3.704	2.764	5.9	19.8	17 E	9*	—
11 2	14 26.89	+ 3 9.5	3.720	2.792	6.2	19.9	18 W	7*	—
11 12	14 42.22	+ 2 5.9	3.723	2.819	7.1	19.9	21 W	13*	—
11 22	14 57.37	+ 1 10.6	3.711	2.844	8.4	20.0	25 W	18*	—
12 2	15 12.28	+ 0 24.2	3.684	2.869	9.8	20.1	30 W	24*	1*
12 12	15 26.88	− 0 12.7	3.644	2.893	11.3	20.1	35 W	28*	7*
12 22	15 41.08	− 0 39.6	3.590	2.915	12.7	20.2	41 W	33*	14*
1 1	15 54.77	− 0 56.2	3.522	2.937	14.1	20.2	47 W	36*	21*
1 11	16 7.84	− 1 2.2	3.443	2.958	15.4	20.2	53 W	39*	28*
1 21	16 20.12	− 0 57.3	3.352	2.977	16.6	20.2	60 W	41*	36*

5038 Overbeek

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	9 44.59	+27 22.1	2.113	2.890	14.0	18.5	135 W	72	37
1 6	9 39.89	+28 36.5	2.015	2.878	11.2	18.3	145 W	74	35
1 16	9 32.37	+29 55.9	1.940	2.865	8.2	18.1	156 W	75	34
1 26	9 22.50	+31 12.2	1.894	2.851	5.7	17.9	163 W	76	33
1 31	9 16.96	+31 46.5	1.881	2.844	5.2	17.9	165 W	77	32
2 5	9 11.19	+32 17.0	1.876	2.836	5.6	17.9	164 E	77	32
2 10	9 5.37	+32 42.7	1.878	2.828	6.7	17.9	161 E	78	31
2 15	8 59.66	+33 3.2	1.888	2.820	8.1	18.0	156 E	78	31
2 20	8 54.23	+33 18.1	1.904	2.812	9.7	18.1	151 E	78	31
2 25	8 49.23	+33 27.5	1.927	2.803	11.4	18.2	146 E	78	31
3 2	8 44.79	+33 31.4	1.956	2.795	13.0	18.2	141 E	79	30
3 7	8 41.00	+33 30.2	1.990	2.786	14.5	18.3	135 E	79	30
3 17	8 35.62	+33 14.3	2.072	2.767	17.1	18.5	125 E	78	31
3 27	8 33.39	+32 43.5	2.167	2.748	19.1	18.6	115 E	78	31
4 6	8 34.20	+32 1.4	2.273	2.728	20.6	18.8	106 E	77	32
4 16	8 37.79	+31 10.6	2.383	2.706	21.6	18.9	98 E	76*	33
4 26	8 43.81	+30 12.7	2.495	2.684	22.0	19.0	90 E	71*	34
5 6	8 51.88	+29 8.7	2.606	2.661	22.1	19.1	82 E	64*	35
5 16	9 1.67	+27 59.0	2.712	2.638	21.7	19.1	75 E	56*	36*
5 26	9 12.86	+26 43.8	2.813	2.613	21.1	19.2	68 E	48*	36*
6 5	9 25.21	+25 23.3	2.907	2.588	20.2	19.2	62 E	41*	36*
6 15	9 38.50	+23 57.3	2.992	2.562	19.1	19.2	56 E	34*	35*
6 25	9 52.55	+22 25.8	3.068	2.535	17.9	19.2	50 E	28*	33*
7 5	10 7.23	+20 49.1	3.134	2.507	16.4	19.2	44 E	23*	31*
7 15	10 22.44	+19 7.1	3.189	2.479	14.9	19.1	39 E	19*	27*
7 25	10 38.10	+17 20.2	3.232	2.450	13.2	19.1	33 E	15*	24*
8 4	10 54.14	+15 28.5	3.265	2.420	11.5	19.0	28 E	12*	19*
8 14	11 10.53	+13 32.4	3.286	2.390	9.7	18.9	23 E	9*	15*
8 24	11 27.26	+11 32.4	3.295	2.359	7.9	18.8	19 E	7*	10*
9 3	11 44.30	+ 9 28.8	3.293	2.328	6.1	18.7	14 E	5*	6*
9 13	12 1.68	+ 7 22.2	3.280	2.296	4.4	18.6	10 E	3*	1*
9 23	12 19.39	+ 5 13.4	3.256	2.264	3.2	18.5	7 E	1*	—
10 3	12 37.46	+ 3 2.8	3.221	2.231	3.1	18.4	7 E	—	—

5038 Overbeek *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 13	12 55.94	+ 0 51.2	3.177	2.198	4.3	18.4	9 W	3*	—
10 23	13 14.83	− 1 20.5	3.122	2.165	6.0	18.4	13 W	7*	—
11 2	13 34.19	− 3 31.4	3.059	2.132	8.0	18.4	17 W	11*	1*
11 12	13 54.05	− 5 40.7	2.987	2.099	10.0	18.4	22 W	15*	5*
11 22	14 14.45	− 7 47.3	2.907	2.066	12.1	18.4	26 W	18*	9*
12 2	14 35.43	− 9 50.2	2.820	2.033	14.2	18.4	30 W	21*	14*
12 12	14 57.02	−11 48.2	2.728	2.001	16.3	18.4	35 W	23*	19*
12 22	15 19.23	−13 40.2	2.630	1.969	18.4	18.3	39 W	24*	24*
1 1	15 42.09	−15 25.2	2.527	1.937	20.5	18.3	44 W	24*	30*
1 11	16 5.58	−17 2.1	2.422	1.907	22.5	18.2	48 W	24*	36*
1 21	16 29.68	−18 29.8	2.314	1.877	24.4	18.1	52 W	23*	41*

131777 2002 AE_{21}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	9 44.83	+17 51.2	1.740	2.514	16.7	20.7	133 W	63	46
1 6	9 39.50	+18 32.0	1.667	2.532	13.1	20.5	144 W	64	45
1 16	9 31.23	+19 23.1	1.616	2.548	8.9	20.3	156 W	64	45
1 26	9 20.72	+20 18.3	1.590	2.563	4.3	20.0	169 W	65	44
1 31	9 14.97	+20 45.1	1.589	2.571	2.3	19.9	174 W	66	43
2 5	9 9.10	+21 10.3	1.594	2.578	2.0	19.9	175 E	66	43
2 10	9 3.29	+21 33.1	1.607	2.584	3.9	20.1	170 E	67	42
2 15	8 57.70	+21 52.9	1.628	2.591	6.1	20.2	164 E	67	42
2 20	8 52.52	+22 9.3	1.655	2.597	8.3	20.3	158 E	67	42
2 25	8 47.86	+22 22.0	1.689	2.604	10.4	20.5	152 E	67	42
3 7	8 40.52	+22 36.6	1.775	2.615	14.1	20.7	140 E	68	41
3 17	8 36.16	+22 37.7	1.881	2.625	17.1	21.0	129 E	68	41
3 27	8 34.88	+22 26.9	2.002	2.635	19.3	21.2	119 E	67	42
4 6	8 36.48	+22 6.3	2.133	2.643	20.9	21.4	110 E	67	42

118151 4391 *T–3*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	9 45.41	+17 23.1	2.067	2.827	14.9	20.7	133 W	62	47
1 6	9 40.48	+18 10.6	1.988	2.843	11.7	20.5	144 W	63	46
1 16	9 33.02	+19 7.9	1.931	2.858	8.0	20.3	156 W	64	45
1 26	9 23.63	+20 9.5	1.902	2.872	4.1	20.1	168 W	65	44
1 31	9 18.48	+20 40.0	1.898	2.879	2.3	19.9	173 W	66	43
2 5	9 13.20	+21 9.1	1.902	2.885	1.8	19.9	175 E	66	43
2 10	9 7.93	+21 36.3	1.914	2.892	3.2	20.0	170 E	67	42
2 15	9 2.82	+22 0.8	1.933	2.898	5.2	20.2	165 E	67	42
2 20	8 57.99	+22 22.3	1.960	2.903	7.1	20.3	159 E	67	42
2 25	8 53.59	+22 40.4	1.993	2.909	9.0	20.4	153 E	68	41
3 7	8 46.37	+23 6.1	2.079	2.919	12.3	20.7	141 E	68	41
3 17	8 41.67	+23 18.4	2.186	2.929	15.0	20.9	130 E	68	41
3 27	8 39.67	+23 18.4	2.310	2.937	17.1	21.1	120 E	68	41
4 6	8 40.28	+23 8.0	2.445	2.945	18.6	21.2	110 E	68	41
4 16	8 43.27	+22 48.4	2.587	2.952	19.5	21.4	101 E	68*	41

191600 2004 FW_{146}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	9 45.71	+ 4 4.3	2.277	2.981	15.2	21.4	128 W	49	60
1 6	9 41.78	+ 4 9.6	2.160	2.968	12.7	21.2	138 W	49	60
1 16	9 35.53	+ 4 31.6	2.063	2.955	9.7	21.0	150 W	50	59
1 26	9 27.36	+ 5 9.9	1.991	2.940	6.2	20.7	161 W	50	59
2 5	9 17.92	+ 6 2.3	1.949	2.925	3.4	20.5	170 W	51	58
2 15	9 8.12	+ 7 4.5	1.936	2.908	4.3	20.5	167 E	52	57
2 25	8 58.97	+ 8 11.0	1.954	2.891	7.7	20.7	157 E	53	56
3 7	8 51.37	+ 9 16.2	1.999	2.872	11.3	20.9	145 E	54	55
3 17	8 45.97	+10 15.6	2.068	2.853	14.5	21.1	134 E	55	54
3 27	8 43.13	+11 5.9	2.155	2.832	17.0	21.2	124 E	56	53
4 6	8 42.92	+11 45.3	2.255	2.811	19.0	21.4	114 E	57	52

219275 2000 BL_{11}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	9 45.82	+10 50.9	1.675	2.430	18.0	21.2	130 W	56	53
1 6	9 40.35	+10 49.0	1.610	2.459	14.3	21.0	142 W	56	53
1 16	9 32.06	+11 1.5	1.566	2.487	10.1	20.8	154 W	56	53
1 26	9 21.68	+11 25.5	1.547	2.514	5.4	20.6	166 W	56	53
2 5	9 10.37	+11 56.4	1.556	2.541	1.6	20.4	176 E	57	52
2 10	9 4.76	+12 12.9	1.572	2.554	2.9	20.5	172 E	57	52
2 15	8 59.40	+12 29.2	1.595	2.566	5.1	20.7	167 E	57	52
2 20	8 54.45	+12 44.8	1.625	2.579	7.3	20.8	161 E	58	51
2 25	8 50.03	+12 59.2	1.662	2.591	9.4	21.0	155 E	58	51
3 2	8 46.23	+13 12.0	1.705	2.604	11.4	21.1	149 E	58	51
3 7	8 43.11	+13 23.0	1.754	2.616	13.2	21.3	143 E	58	51
3 12	8 40.71	+13 32.0	1.808	2.627	14.8	21.4	137 E	59	50

216707 2004 XP_{164}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	9 46.28	− 2 14.5	0.521	1.349	37.0	18.2	124 W	43	66
1 6	9 53.64	+ 3 59.3	0.494	1.381	29.8	18.0	136 W	49	60
1 16	9 55.92	+11 29.4	0.483	1.419	21.2	17.7	149 W	56	53
1 26	9 53.52	+19 27.8	0.493	1.460	12.6	17.5	161 W	64	45

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
216707 2004 XP_{164} *(continuation)*									
	h m	° ′			°	m	°	°	°
1 31	9 50.96	+23 15.9	0.508	1.482	9.6	17.5	165 W	68	41
2 5	9 47.81	+26 45.8	0.528	1.505	8.7	17.6	167 W	72	37
2 10	9 44.38	+29 51.5	0.554	1.528	10.0	17.8	164 W	75	34
2 15	9 40.99	+32 29.8	0.587	1.552	12.5	18.0	160 E	77	32
2 20	9 37.97	+34 39.6	0.624	1.576	15.4	18.3	155 E	80	29
2 25	9 35.56	+36 22.0	0.666	1.601	18.0	18.6	150 E	81	28
3 2	9 33.93	+37 39.5	0.712	1.627	20.5	18.8	145 E	83	26
3 7	9 33.20	+38 34.8	0.763	1.652	22.6	19.1	140 E	84	25
3 12	9 33.39	+39 10.8	0.816	1.678	24.4	19.3	136 E	84	25
3 17	9 34.54	+39 30.4	0.873	1.704	25.9	19.5	132 E	85	24
3 22	9 36.60	+39 36.0	0.932	1.730	27.2	19.8	128 E	85	24
3 27	9 39.50	+39 30.1	0.994	1.756	28.2	20.0	124 E	85	24
4 1	9 43.14	+39 14.4	1.058	1.783	29.0	20.1	120 E	84	25
4 6	9 47.44	+38 50.6	1.124	1.809	29.6	20.3	117 E	84	25
4 11	9 52.32	+38 19.9	1.191	1.836	30.1	20.5	113 E	83	26
4 16	9 57.71	+37 43.3	1.260	1.862	30.4	20.7	110 E	83	26
4 21	10 3.53	+37 1.9	1.331	1.888	30.6	20.8	107 E	82	27
4 26	10 9.70	+36 16.2	1.402	1.914	30.6	21.0	104 E	81	28
5 1	10 16.17	+35 27.1	1.475	1.941	30.6	21.1	101 E	80	29
5 6	10 22.88	+34 35.1	1.548	1.966	30.5	21.2	98 E	79*	29
5 11	10 29.80	+33 40.4	1.622	1.992	30.3	21.4	96 E	77*	30
5 16	10 36.89	+32 43.6	1.697	2.018	30.0	21.5	93 E	74*	31
273314 2006 SS_{355}									
12 27	9 46.42	+ 6 56.5	1.037	1.821	24.9	20.9	129 W	52	57
1 6	9 45.15	+ 7 11.9	0.988	1.847	20.4	20.7	139 W	52	57
1 16	9 40.06	+ 7 55.7	0.955	1.875	14.9	20.5	151 W	53	56
1 26	9 31.95	+ 9 4.2	0.941	1.904	8.8	20.3	163 W	54	55
1 31	9 27.18	+ 9 45.1	0.942	1.918	5.7	20.1	169 W	55	54
2 5	9 22.21	+10 28.6	0.950	1.933	3.0	20.0	174 W	55	54
2 10	9 17.26	+11 13.2	0.963	1.948	2.7	20.1	175 E	56	53
2 15	9 12.57	+11 57.3	0.983	1.963	5.1	20.3	170 E	57	52
2 20	9 8.34	+12 39.5	1.009	1.978	7.9	20.5	164 E	58	51
2 25	9 4.74	+13 18.7	1.041	1.994	10.6	20.7	158 E	58	51
3 2	9 1.89	+13 54.1	1.078	2.009	13.2	20.8	152 E	59	50
3 7	8 59.86	+14 25.1	1.120	2.025	15.6	21.0	147 E	59	50
3 12	8 58.69	+14 51.4	1.167	2.041	17.7	21.2	141 E	60	49
3 17	8 58.40	+15 12.8	1.219	2.057	19.5	21.4	136 E	60	49
7096 Napier									
12 27	9 46.52	+ 5 13.7	1.107	1.879	24.4	17.7	128 W	50	59
1 6	9 42.64	+ 6 27.5	1.083	1.938	19.3	17.6	139 W	51	58
1 16	9 35.30	+ 8 8.6	1.076	1.998	13.5	17.4	152 W	53	56
1 26	9 25.60	+10 8.3	1.092	2.058	7.3	17.3	165 W	55	54
1 31	9 20.34	+11 11.1	1.109	2.088	4.2	17.2	171 W	56	53
2 5	9 15.08	+12 13.5	1.133	2.118	1.8	17.1	176 W	57	52
2 10	9 10.01	+13 14.0	1.164	2.147	2.8	17.3	174 E	58	51
2 15	9 5.33	+14 11.2	1.201	2.177	5.4	17.5	168 E	59	50
2 20	9 1.20	+15 3.9	1.246	2.207	8.0	17.8	162 E	60	49
2 25	8 57.73	+15 51.5	1.296	2.237	10.4	18.0	156 E	61	48
3 7	8 53.02	+17 9.8	1.414	2.296	14.5	18.4	145 E	62	47
3 17	8 51.43	+18 5.7	1.552	2.354	17.7	18.7	134 E	63	46
3 27	8 52.81	+18 40.8	1.706	2.412	20.0	19.1	124 E	64	45
4 6	8 56.78	+18 57.8	1.873	2.470	21.5	19.4	115 E	64	45
4 16	9 2.92	+18 59.4	2.048	2.526	22.4	19.6	107 E	64	45
4 26	9 10.81	+18 47.8	2.229	2.582	22.7	19.9	99 E	63*	45
5 6	9 20.06	+18 24.9	2.413	2.636	22.5	20.1	91 E	59*	46
5 16	9 30.37	+17 52.5	2.599	2.690	22.0	20.3	84 E	53*	46
5 26	9 41.49	+17 11.8	2.783	2.743	21.1	20.4	77 E	46*	47*
6 5	9 53.19	+16 24.1	2.963	2.795	20.0	20.6	71 E	40*	46*
6 15	10 5.34	+15 30.4	3.139	2.846	18.7	20.7	64 E	33*	45*
6 25	10 17.78	+14 31.7	3.308	2.896	17.3	20.8	58 E	27*	43*
7 5	10 30.42	+13 28.8	3.469	2.945	15.7	20.9	51 E	22*	40*
7 15	10 43.19	+12 22.6	3.620	2.993	14.0	21.0	45 E	18*	36*
7 25	10 56.03	+11 13.7	3.760	3.040	12.2	21.0	39 E	14*	31*
8 4	11 8.88	+10 3.0	3.887	3.086	10.3	21.1	33 E	11*	25*
8 14	11 21.70	+ 8 51.1	4.001	3.131	8.4	21.1	27 E	8*	20*
8 24	11 34.47	+ 7 38.6	4.100	3.175	6.5	21.1	21 E	6*	14*
9 3	11 47.15	+ 6 26.4	4.183	3.218	4.6	21.0	15 E	3*	8*
9 13	11 59.71	+ 5 15.0	4.250	3.260	2.8	21.0	9 E	1*	1*
9 23	12 12.11	+ 4 5.1	4.300	3.301	1.6	21.0	5 E	—	—
10 3	12 24.34	+ 2 57.4	4.331	3.341	2.2	21.1	7 W	1*	—
10 13	12 36.34	+ 1 52.6	4.344	3.380	3.8	21.2	13 W	7*	—
10 23	12 48.06	+ 0 51.5	4.339	3.418	5.6	21.3	20 W	13*	2*
11 2	12 59.45	− 0 5.4	4.316	3.455	7.3	21.4	26 W	20*	7*
11 12	13 10.44	− 0 57.2	4.275	3.491	9.0	21.5	33 W	26*	12*
111346 2001 XS_{103}									
12 27	9 47.10	+ 9 1.5	1.702	2.447	18.1	20.6	129 W	54	55
1 6	9 42.24	+ 9 16.8	1.628	2.469	14.6	20.4	141 W	54	55
1 16	9 34.52	+ 9 49.3	1.574	2.489	10.4	20.2	153 W	55	54
1 26	9 24.60	+10 36.0	1.545	2.509	5.8	20.0	165 W	56	53

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
111346 2001 XS_{103} *(continuation)*									
	h m	° ′			°	m	°	°	°
1 31	9 19.13	+11 3.1	1.540	2.518	3.4	19.9	171 W	56	53
2 5	9 13.52	+11 31.6	1.544	2.528	1.7	19.8	176 E	57	52
2 10	9 7.94	+12 0.7	1.554	2.537	2.7	19.9	173 E	57	52
2 15	9 2.56	+12 29.6	1.572	2.545	4.8	20.0	167 E	57	52
2 20	8 57.54	+12 57.4	1.597	2.554	7.1	20.2	161 E	58	51
2 25	8 53.00	+13 23.7	1.629	2.562	9.3	20.3	155 E	58	51
3 7	8 45.79	+14 9.4	1.712	2.578	13.2	20.6	144 E	59	50
3 17	8 41.43	+14 44.3	1.815	2.593	16.5	20.8	132 E	60	49
3 27	8 40.05	+15 7.5	1.935	2.606	18.9	21.1	122 E	60	49
4 6	8 41.50	+15 19.0	2.066	2.619	20.7	21.3	113 E	60	49
4 16	8 45.45	+15 19.4	2.206	2.630	21.8	21.5	104 E	60*	49
100743 1998 DC_{30}									
12 27	9 47.23	+ 5 0.1	1.925	2.643	17.1	20.6	128 W	50	59
1 6	9 43.86	+ 5 2.4	1.809	2.627	14.4	20.4	138 W	50	59
1 16	9 37.79	+ 5 23.3	1.711	2.609	10.9	20.1	150 W	50	59
1 26	9 29.37	+ 6 2.9	1.639	2.590	7.0	19.9	161 W	51	58
2 5	9 19.36	+ 6 58.7	1.593	2.571	3.5	19.6	171 W	52	57
2 10	9 14.07	+ 7 31.2	1.581	2.561	3.3	19.6	171 E	53	56
2 15	9 8.80	+ 8 5.6	1.576	2.551	4.6	19.6	168 E	53	56
2 20	9 3.71	+ 8 41.2	1.579	2.540	6.6	19.7	163 E	54	55
2 25	8 58.95	+ 9 17.0	1.589	2.530	8.8	19.8	157 E	54	55
3 2	8 54.66	+ 9 52.2	1.605	2.519	11.0	19.9	151 E	55	54
3 7	8 50.94	+10 26.0	1.628	2.508	13.0	20.0	145 E	55	54
3 17	8 45.54	+11 27.3	1.688	2.485	16.7	20.2	134 E	56	53
3 27	8 43.18	+12 17.2	1.766	2.461	19.8	20.4	123 E	57	52
4 6	8 43.87	+12 54.2	1.856	2.437	22.1	20.5	114 E	58	51
4 16	8 47.46	+13 17.7	1.953	2.411	23.7	20.7	105 E	58*	51
4 26	8 53.63	+13 27.6	2.055	2.386	24.8	20.8	96 E	57*	51
5 6	9 2.04	+13 24.5	2.156	2.359	25.3	20.9	89 E	52*	51
5 16	9 12.37	+13 8.7	2.256	2.331	25.4	21.0	81 E	47*	51*
5 26	9 24.31	+12 40.9	2.352	2.304	25.1	21.0	75 E	40*	51*
6 5	9 37.60	+12 1.6	2.442	2.275	24.5	21.1	68 E	34*	50*
6 15	9 52.03	+11 11.3	2.526	2.246	23.7	21.1	63 E	28*	48*
6 25	10 7.42	+10 10.7	2.602	2.216	22.6	21.1	57 E	23*	45*
7 5	10 23.63	+ 9 0.6	2.670	2.186	21.3	21.1	51 E	18*	42*
7 15	10 40.57	+ 7 41.4	2.729	2.156	19.9	21.0	46 E	14*	38*
7 25	10 58.15	+ 6 13.9	2.779	2.125	18.4	21.0	41 E	11*	34*
8 4	11 16.34	+ 4 39.2	2.820	2.094	16.8	21.0	37 E	8*	30*
8 14	11 35.10	+ 2 57.9	2.852	2.064	15.1	20.9	32 E	6*	26*
8 24	11 54.44	+ 1 11.1	2.875	2.033	13.3	20.8	27 E	5*	21*
9 3	12 14.35	− 0 40.1	2.890	2.002	11.4	20.7	23 E	3*	17*
9 13	12 34.88	− 2 34.6	2.896	1.971	9.5	20.6	19 E	2*	13*
9 23	12 56.05	− 4 30.9	2.894	1.941	7.6	20.5	15 E	1*	9*
10 3	13 17.91	− 6 27.6	2.885	1.911	5.7	20.4	11 E	—	5*
10 13	13 40.51	− 8 23.1	2.868	1.882	3.7	20.2	7 E	—	1*
10 23	14 3.90	−10 15.4	2.845	1.853	1.9	20.0	4 E	—	—
11 2	14 28.12	−12 2.7	2.817	1.826	1.4	19.9	3 W	—	—
11 12	14 53.21	−13 42.8	2.783	1.800	2.9	20.0	5 W	—	—
11 22	15 19.16	−15 13.4	2.745	1.775	4.8	20.1	9 W	2*	—
12 2	15 45.97	−16 32.2	2.703	1.751	6.8	20.1	12 W	5*	1*
12 12	16 13.59	−17 37.0	2.658	1.730	8.8	20.1	16 W	8*	4*
12 22	16 41.92	−18 25.6	2.610	1.710	10.8	20.1	19 W	9*	8*
1 1	17 10.83	−18 56.3	2.561	1.692	12.7	20.1	22 W	11*	12*
1 11	17 40.15	−19 7.6	2.510	1.677	14.6	20.1	25 W	12*	15*
1 21	18 9.67	−18 58.7	2.459	1.663	16.5	20.1	29 W	13*	19*
66294 1999 JS_{27}									
12 27	9 47.52	+13 19.7	2.443	3.174	13.6	20.5	131 W	58	51
1 6	9 43.27	+13 43.9	2.327	3.161	11.0	20.3	142 W	59	50
1 16	9 36.79	+14 19.1	2.234	3.148	7.9	20.1	154 W	59	50
1 26	9 28.44	+15 2.6	2.168	3.133	4.3	19.8	166 W	60	49
1 31	9 23.77	+15 26.2	2.146	3.125	2.3	19.7	173 W	60	49
2 5	9 18.89	+15 50.2	2.132	3.118	0.4	19.5	179 W	61	48
2 10	9 13.93	+16 14.1	2.125	3.109	1.7	19.6	175 E	61	48
2 15	9 9.01	+16 37.3	2.127	3.101	3.6	19.7	168 E	62	47
2 20	9 4.25	+16 59.2	2.136	3.092	5.6	19.9	162 E	62	47
2 25	8 59.77	+17 19.4	2.153	3.084	7.5	19.9	156 E	62	47
3 7	8 52.03	+17 53.4	2.205	3.065	10.9	20.1	144 E	63	46
3 17	8 46.41	+18 17.5	2.282	3.046	13.9	20.3	133 E	63	46
3 27	8 43.25	+18 31.2	2.376	3.026	16.2	20.5	122 E	64	45
4 6	8 42.61	+18 34.9	2.483	3.004	18.0	20.6	112 E	64	45
4 16	8 44.39	+18 29.1	2.598	2.982	19.2	20.7	103 E	63*	46
4 26	8 48.38	+18 14.5	2.716	2.959	19.8	20.8	94 E	61*	46
5 6	8 54.30	+17 51.6	2.835	2.935	20.0	20.9	86 E	55*	46
5 16	9 1.90	+17 20.8	2.951	2.910	19.9	21.0	78 E	48*	46*
5 26	9 10.92	+16 42.4	3.061	2.885	19.3	21.0	70 E	41*	46*
6 5	9 21.14	+15 56.8	3.164	2.858	18.5	21.0	63 E	34*	44*

66294 1999 JS_{27} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
6 15	9 32.37	+15 4.2	3.258	2.831	17.5	21.0	57 E	27*	42*
6 25	9 44.45	+14 4.8	3.341	2.802	16.2	21.0	50 E	21*	39*
7 5	9 57.24	+12 59.0	3.413	2.773	14.8	21.0	44 E	16*	35*
7 15	10 10.64	+11 47.0	3.472	2.743	13.2	21.0	38 E	12*	30*
7 25	10 24.56	+10 29.1	3.518	2.712	11.5	20.9	32 E	8*	25*
8 4	10 38.93	+ 9 5.8	3.551	2.680	9.7	20.8	26 E	5*	20*
8 14	10 53.70	+ 7 37.5	3.571	2.647	7.8	20.7	21 E	2*	14*
8 24	11 8.85	+ 6 4.5	3.577	2.614	5.8	20.6	15 E	—	9*
9 3	11 24.34	+ 4 27.5	3.569	2.580	3.8	20.5	10 E	—	4*
9 13	11 40.17	+ 2 46.8	3.547	2.545	1.7	20.3	4 E	—	—
9 23	11 56.33	+ 1 3.3	3.512	2.509	0.5	20.1	1 W	—	—
10 3	12 12.84	− 0 42.6	3.465	2.473	2.6	20.2	7 W	—	—
10 13	12 29.70	− 2 30.1	3.404	2.436	4.8	20.3	12 W	5*	1*
10 23	12 46.93	− 4 18.4	3.332	2.399	7.0	20.3	17 W	10*	5*
11 2	13 4.55	− 6 6.7	3.249	2.361	9.2	20.3	22 W	14*	9*
11 12	13 22.58	− 7 54.2	3.155	2.322	11.3	20.3	27 W	18*	13*
11 22	13 41.04	− 9 39.8	3.052	2.283	13.5	20.3	33 W	22*	17*
12 2	13 59.95	−11 22.6	2.940	2.244	15.6	20.3	38 W	24*	22*
12 12	14 19.33	−13 1.5	2.821	2.205	17.7	20.2	43 W	26*	28*
12 22	14 39.18	−14 35.3	2.695	2.166	19.8	20.1	48 W	27*	33*
1 1	14 59.50	−16 3.1	2.564	2.126	21.7	20.0	53 W	27*	40*
1 11	15 20.27	−17 23.5	2.430	2.087	23.6	19.9	58 W	26*	46*
1 21	15 41.46	−18 35.4	2.293	2.047	25.4	19.8	63 W	26*	52*

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20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	9 49.13	+17 27.6	1.900	2.657	16.0	20.9	132 W	62	47
1 6	9 44.36	+19 37.3	1.845	2.699	12.5	20.7	143 W	65	44
1 16	9 36.90	+21 59.0	1.814	2.739	8.6	20.6	155 W	67	42
1 26	9 27.37	+24 22.6	1.813	2.779	4.8	20.4	166 W	69	40
1 31	9 22.12	+25 31.5	1.824	2.799	3.6	20.4	170 W	71	38
2 5	9 16.75	+26 36.7	1.843	2.818	3.7	20.4	169 W	72	37
2 10	9 11.39	+27 37.1	1.870	2.837	4.9	20.5	166 E	73	36
2 15	9 6.22	+28 31.8	1.905	2.856	6.6	20.7	161 E	74	35
2 20	9 1.36	+29 20.3	1.947	2.875	8.3	20.8	155 E	74	35
2 25	8 56.96	+30 2.4	1.997	2.893	10.0	21.0	150 E	75	34
3 2	8 53.10	+30 38.0	2.052	2.912	11.6	21.1	144 E	76	33
3 7	8 49.86	+31 7.5	2.113	2.930	13.0	21.2	138 E	76	33
3 12	8 47.28	+31 31.1	2.180	2.948	14.3	21.3	133 E	77	32
3 17	8 45.40	+31 49.3	2.251	2.965	15.4	21.5	128 E	77	32

141498 2002 EZ_{16}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	9 49.95	−27 59.1	0.716	1.389	42.2	20.0	109 W	17	88
1 1	9 44.61	−32 9.8	0.676	1.372	42.3	19.9	110 W	13	84
1 6	9 36.65	−36 31.4	0.640	1.354	42.6	19.7	111 W	8	79
1 11	9 25.39	−40 59.5	0.608	1.334	43.3	19.6	112 W	4	75
1 16	9 10.00	−45 26.7	0.581	1.311	44.4	19.5	111 W	—	71
1 18	9 2.49	−47 11.0	0.572	1.301	45.0	19.5	111 W	—	69
1 20	8 54.10	−48 52.9	0.563	1.291	45.7	19.4	110 W	—	67
1 22	8 44.79	−50 31.3	0.555	1.281	46.4	19.4	109 W	—	65
1 24	8 34.49	−52 5.5	0.548	1.270	47.3	19.4	109 W	—	64
1 26	8 23.18	−53 34.3	0.541	1.259	48.2	19.4	108 E	—	62
1 28	8 10.81	−54 56.9	0.535	1.247	49.2	19.4	106 E	—	61
1 30	7 57.41	−56 12.3	0.530	1.235	50.3	19.4	105 E	—	60
2 1	7 42.99	−57 19.4	0.526	1.223	51.5	19.3	104 E	—	59
2 3	7 27.63	−58 17.4	0.522	1.210	52.7	19.3	102 E	—	58
2 5	7 11.46	−59 5.6	0.519	1.197	54.0	19.3	101 E	—	57
2 7	6 54.64	−59 43.4	0.516	1.184	55.3	19.3	99 E	—	56
2 9	6 37.36	−60 10.4	0.514	1.170	56.7	19.3	97 E	—	56
2 11	6 19.86	−60 26.5	0.512	1.156	58.2	19.4	96 E	—	56
2 13	6 2.37	−60 32.0	0.511	1.141	59.7	19.4	94 E	—	55
2 15	5 45.11	−60 27.3	0.510	1.126	61.3	19.4	92 E	—	56
2 17	5 28.27	−60 13.1	0.509	1.111	62.8	19.4	90 E	—	56
2 19	5 12.00	−59 50.1	0.509	1.095	64.5	19.4	88 E	—	56
2 21	4 56.41	−59 19.1	0.508	1.078	66.2	19.4	86 E	—	57*
2 23	4 41.55	−58 41.1	0.508	1.061	67.9	19.4	84 E	—	57*
2 25	4 27.45	−57 56.7	0.508	1.044	69.7	19.5	82 E	—	57*
2 27	4 14.09	−57 6.7	0.508	1.027	71.5	19.5	79 E	—	56*
3 1	4 1.44	−56 11.7	0.508	1.009	73.3	19.5	77 E	—	56*
3 3	3 49.45	−55 12.0	0.508	0.990	75.3	19.5	75 E	—	55*
3 5	3 38.05	−54 8.1	0.508	0.971	77.3	19.6	73 E	—	54*
3 7	3 27.18	−53 0.2	0.508	0.952	79.3	19.6	70 E	—	52*
3 9	3 16.78	−51 48.4	0.508	0.932	81.5	19.6	68 E	—	51*
3 11	3 6.78	−50 32.5	0.508	0.912	83.7	19.7	66 E	—	49*
3 13	2 57.11	−49 12.6	0.507	0.891	86.0	19.7	63 E	—	47*
3 15	2 47.71	−47 48.3	0.507	0.870	88.4	19.7	61 E	—	45*
3 17	2 38.53	−46 19.3	0.507	0.848	90.9	19.8	58 E	—	43*
3 22	2 16.31	−42 12.6	0.508	0.792	97.7	19.9	52 E	—	36*
3 27	1 54.87	−37 23.7	0.511	0.734	105.2	20.2	45 E	—	29*
4 1	1 34.36	−31 42.8	0.520	0.673	113.1	20.5	38 E	—	20*
4 6	1 15.52	−25 5.2	0.538	0.612	120.8	20.9	32 E	—	11*

141498 2002 EZ_{16} *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 11	0 59.57	−17 37.1	0.571	0.551	126.5	21.3	26 W	—	9*
4 16	0 48.14	− 9 38.8	0.624	0.493	127.3	21.3	23 W	—	13*
4 21	0 43.03	− 1 40.8	0.702	0.444	120.8	20.8	22 W	—	16*
4 26	0 45.82	+ 5 44.8	0.805	0.411	107.2	20.0	23 W	3*	17*
4 28	0 49.32	+ 8 28.0	0.852	0.403	100.5	19.7	23 W	5*	17*
4 30	0 54.16	+11 0.6	0.901	0.400	93.4	19.5	23 W	7*	16*
5 2	1 0.24	+13 21.9	0.951	0.400	86.2	19.3	23 W	9*	15*
5 4	1 7.42	+15 31.3	1.003	0.405	79.1	19.2	23 W	10*	15*
5 6	1 15.53	+17 28.8	1.054	0.414	72.3	19.1	23 W	10*	14*
5 8	1 24.39	+19 14.5	1.105	0.426	66.0	19.1	23 W	11*	13*
5 10	1 33.81	+20 48.9	1.154	0.442	60.2	19.1	22 W	11*	12*
5 12	1 43.64	+22 12.7	1.202	0.459	54.9	19.1	22 W	12*	11*
5 14	1 53.72	+23 26.6	1.248	0.479	50.2	19.2	21 W	12*	10*
5 16	2 3.95	+24 31.6	1.292	0.501	46.0	19.2	21 W	12*	9*
5 18	2 14.22	+25 28.3	1.335	0.523	42.4	19.3	20 W	11*	8*
5 20	2 24.47	+26 17.7	1.375	0.547	39.1	19.3	20 W	11*	7*
5 22	2 34.64	+27 0.3	1.414	0.571	36.3	19.4	20 W	11*	7*
5 24	2 44.69	+27 36.9	1.452	0.595	33.8	19.5	19 W	11*	6*
5 26	2 54.59	+28 8.1	1.488	0.620	31.6	19.6	19 W	11*	6*
5 31	3 18.58	+29 5.9	1.571	0.681	27.2	19.8	18 W	10*	5*
6 5	3 41.38	+29 40.0	1.646	0.742	24.0	20.0	17 W	10*	4*
6 10	4 2.95	+29 55.7	1.713	0.800	21.8	20.1	17 W	9*	4*
6 15	4 23.32	+29 56.8	1.774	0.855	20.2	20.3	17 W	9*	4*
6 20	4 42.58	+29 46.2	1.828	0.908	19.3	20.5	17 W	9*	5*
6 25	5 0.80	+29 26.0	1.876	0.958	18.7	20.6	18 W	9*	5*
6 30	5 18.08	+28 58.0	1.919	1.005	18.5	20.8	18 W	9*	6*
7 5	5 34.52	+28 23.3	1.956	1.050	18.6	20.9	19 W	10*	7*
7 10	5 50.18	+27 43.0	1.987	1.092	18.8	21.0	20 W	11*	8*
7 15	6 5.13	+26 57.7	2.013	1.131	19.3	21.2	22 W	12*	9*
7 20	6 19.45	+26 8.0	2.033	1.168	19.9	21.3	23 W	13*	11*
7 25	6 33.19	+25 14.5	2.049	1.202	20.6	21.4	25 W	14*	12*
7 30	6 46.41	+24 17.3	2.059	1.233	21.3	21.5	26 W	16*	13*

174050 2002 CC_{19}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	9 50.73	−48 1.4	0.583	1.185	55.7	18.7	95 W	—	68
1 1	9 51.65	−46 50.9	0.521	1.179	55.6	18.5	99 W	—	69
1 6	9 51.25	−45 3.3	0.457	1.173	54.8	18.1	103 W	—	71
1 11	9 49.25	−42 19.5	0.392	1.167	53.2	17.8	108 W	3	74
1 16	9 45.26	−38 5.1	0.328	1.161	50.1	17.3	115 W	7	78
1 18	9 43.01	−35 45.6	0.303	1.159	48.2	17.0	119 W	9	80
1 20	9 40.34	−32 56.3	0.278	1.158	45.8	16.8	122 W	12	83
1 22	9 37.21	−29 30.1	0.255	1.156	42.8	16.5	127 W	16	87
1 24	9 33.57	−25 17.8	0.232	1.154	39.0	16.2	132 W	20	89
1 26	9 29.38	−20 8.8	0.212	1.152	34.3	15.9	139 W	25	84
1 27	9 27.05	−17 9.7	0.203	1.152	31.5	15.7	142 W	28	81
1 28	9 24.56	−13 52.4	0.194	1.151	28.5	15.5	146 W	31	78
1 29	9 21.90	−10 16.1	0.186	1.150	25.1	15.3	150 W	35	74
1 30	9 19.07	− 6 20.5	0.179	1.149	21.3	15.1	155 W	39	70
1 31	9 16.04	− 2 5.8	0.173	1.149	17.3	14.9	160 W	43	66
2 1	9 12.82	+ 2 26.4	0.168	1.148	13.0	14.7	165 W	47	62
2 2	9 9.39	+ 7 13.7	0.164	1.147	8.4	14.5	170 W	52	57
2 3	9 5.74	+12 12.4	0.161	1.147	3.8	14.2	176 E	57	52
2 4	9 1.86	+17 17.5	0.160	1.146	1.9	14.1	178 E	62	47
2 5	8 57.75	+22 23.8	0.161	1.145	6.4	14.3	173 E	67	42
2 6	8 53.39	+27 25.5	0.162	1.145	11.2	14.5	167 E	72	37
2 7	8 48.77	+32 17.5	0.165	1.144	15.9	14.8	161 E	77	32
2 8	8 43.90	+36 55.6	0.170	1.144	20.4	15.0	156 E	82	27
2 9	8 38.75	+41 16.4	0.175	1.143	24.5	15.1	151 E	86	23
2 10	8 33.32	+45 18.3	0.182	1.143	28.4	15.3	147 E	90	19
2 11	8 27.62	+49 0.3	0.189	1.142	32.0	15.5	142 E	86	15
2 12	8 21.63	+52 22.4	0.198	1.142	35.2	15.7	138 E	83	12
2 13	8 15.37	+55 25.4	0.207	1.142	38.1	15.9	134 E	80	9
2 14	8 8.82	+58 10.4	0.216	1.141	40.7	16.1	131 E	77	6
2 15	8 1.99	+60 38.6	0.226	1.141	43.1	16.2	128 E	74	3
2 16	7 54.90	+62 51.6	0.237	1.141	45.1	16.4	125 E	72	1
2 17	7 47.55	+64 50.7	0.248	1.140	47.0	16.5	122 E	70	—
2 18	7 39.96	+66 37.3	0.259	1.140	48.7	16.7	120 E	68	—
2 19	7 32.15	+68 12.7	0.271	1.140	50.2	16.8	118 E	67	—
2 20	7 24.13	+69 38.0	0.283	1.140	51.5	16.9	116 E	65	—
2 21	7 15.93	+70 54.3	0.295	1.139	52.7	17.1	114 E	64	—
2 22	7 7.59	+72 2.7	0.307	1.139	53.7	17.2	112 E	63	—
2 23	6 59.12	+73 3.8	0.319	1.139	54.6	17.3	110 E	62	—
2 24	6 50.57	+73 58.6	0.331	1.139	55.5	17.4	109 E	61	—
2 25	6 41.97	+74 47.7	0.344	1.139	56.2	17.5	107 E	60	—
2 26	6 33.36	+75 31.7	0.356	1.139	56.8	17.6	106 E	59	—
2 27	6 24.77	+76 11.1	0.369	1.139	57.4	17.7	104 E	59	—
2 28	6 16.24	+76 46.6	0.381	1.139	57.9	17.8	103 E	58	—
3 1	6 7.81	+77 18.4	0.394	1.139	58.4	17.9	102 E	58	—
3 2	5 59.51	+77 47.1	0.407	1.139	58.7	17.9	101 E	57	—

174050 2002 CC_{19} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
3 3	5 51.37	+78 12.9	0.419	1.139	59.1	18.0	100 E	57	—
3 4	5 43.42	+78 36.3	0.432	1.139	59.4	18.1	99 E	56	—
3 5	5 35.69	+78 57.4	0.444	1.139	59.6	18.2	98 E	56	—
3 6	5 28.20	+79 16.6	0.457	1.139	59.8	18.2	97 E	56	—
3 7	5 20.97	+79 34.0	0.469	1.140	60.0	18.3	96 E	55*	—
3 8	5 14.02	+79 50.0	0.481	1.140	60.2	18.4	95 E	55*	—
3 9	5 7.35	+80 4.6	0.494	1.140	60.3	18.4	94 E	55*	—
3 10	5 0.98	+80 18.1	0.506	1.140	60.4	18.5	93 E	55*	—
3 11	4 54.91	+80 30.6	0.518	1.141	60.5	18.5	93 E	54*	—
3 12	4 49.14	+80 42.3	0.530	1.141	60.5	18.6	92 E	54*	—
3 13	4 43.67	+80 53.2	0.542	1.141	60.5	18.6	91 E	54*	—
3 14	4 38.50	+81 3.5	0.554	1.142	60.6	18.7	90 E	53*	—
3 15	4 33.63	+81 13.4	0.566	1.142	60.5	18.7	90 E	53*	—
3 16	4 29.04	+81 22.7	0.577	1.142	60.5	18.8	89 E	53*	—
3 17	4 24.73	+81 31.7	0.589	1.143	60.5	18.8	88 E	52*	—
3 18	4 20.69	+81 40.4	0.600	1.143	60.4	18.8	88 E	52*	—
3 19	4 16.92	+81 48.9	0.612	1.144	60.4	18.9	87 E	52*	—
3 20	4 13.41	+81 57.2	0.623	1.144	60.3	18.9	87 E	51*	—
3 21	4 10.14	+82 5.3	0.634	1.145	60.2	19.0	86 E	51*	—
3 22	4 7.11	+82 13.3	0.645	1.145	60.2	19.0	86 E	51*	—
3 23	4 4.31	+82 21.2	0.656	1.146	60.1	19.0	85 E	51*	—
3 24	4 1.74	+82 29.1	0.667	1.147	60.0	19.1	85 E	50*	—
3 25	3 59.38	+82 37.0	0.677	1.147	59.9	19.1	84 E	50*	—
3 26	3 57.23	+82 44.9	0.688	1.148	59.7	19.1	84 E	50*	—
3 27	3 55.28	+82 52.8	0.698	1.149	59.6	19.2	83 E	49*	—
3 29	3 51.97	+83 8.7	0.718	1.150	59.4	19.2	82 E	49*	—
3 31	3 49.43	+83 24.9	0.738	1.151	59.1	19.3	82 E	49*	—
4 2	3 47.65	+83 41.4	0.757	1.153	58.8	19.3	81 E	48*	—
4 4	3 46.64	+83 58.3	0.775	1.155	58.5	19.4	80 E	48*	—
4 6	3 46.41	+84 15.7	0.793	1.157	58.3	19.4	79 E	47*	—
4 7	3 46.60	+84 24.6	0.801	1.157	58.1	19.4	79 E	47*	—
4 8	3 47.00	+84 33.6	0.810	1.158	58.0	19.4	79 E	47*	—
4 9	3 47.63	+84 42.8	0.818	1.159	57.8	19.5	78 E	47*	—
4 10	3 48.48	+84 52.1	0.826	1.160	57.7	19.5	78 E	47*	—
4 11	3 49.59	+85 1.6	0.834	1.161	57.5	19.5	78 E	47*	—
4 12	3 50.96	+85 11.2	0.842	1.162	57.4	19.5	78 E	46*	—
4 13	3 52.61	+85 20.9	0.849	1.163	57.2	19.5	77 E	46*	—
4 14	3 54.57	+85 30.9	0.857	1.165	57.1	19.6	77 E	46*	—
4 15	3 56.86	+85 40.9	0.864	1.166	56.9	19.6	77 E	46*	—
4 16	3 59.52	+85 51.1	0.871	1.167	56.8	19.6	77 E	46*	—
4 17	4 2.60	+86 1.4	0.878	1.168	56.7	19.6	76 E	46*	—
4 18	4 6.15	+86 11.9	0.884	1.169	56.5	19.6	76 E	46*	—
4 19	4 10.22	+86 22.5	0.891	1.170	56.4	19.6	76 E	46*	—
4 20	4 14.91	+86 33.1	0.897	1.171	56.2	19.6	76 E	46*	—
4 21	4 20.32	+86 43.9	0.903	1.172	56.1	19.7	76 E	46*	—
4 22	4 26.55	+86 54.7	0.909	1.174	56.0	19.7	75 E	46*	—
4 23	4 33.78	+87 5.5	0.915	1.175	55.9	19.7	75 E	46*	—
4 24	4 42.20	+87 16.3	0.921	1.176	55.7	19.7	75 E	46*	—
4 25	4 52.05	+87 27.0	0.926	1.177	55.6	19.7	75 E	46*	—
4 26	5 3.64	+87 37.5	0.931	1.179	55.5	19.7	75 E	46*	—
4 27	5 17.37	+87 47.8	0.936	1.180	55.4	19.7	75 E	46*	—
4 28	5 33.71	+87 57.7	0.941	1.181	55.2	19.7	75 E	46*	—
4 29	5 53.23	+88 7.0	0.946	1.183	55.1	19.7	74 E	46*	—
4 30	6 16.52	+88 15.5	0.950	1.184	55.0	19.8	74 E	46*	—
5 1	6 44.13	+88 22.8	0.955	1.185	54.9	19.8	74 E	46*	—
5 2	7 16.31	+88 28.5	0.959	1.187	54.8	19.8	74 E	46*	—
5 3	7 52.68	+88 32.3	0.963	1.188	54.7	19.8	74 E	46*	—
5 4	8 31.99	+88 33.8	0.966	1.190	54.6	19.8	74 E	46*	—
5 5	9 12.14	+88 32.6	0.970	1.191	54.5	19.8	74 E	46*	—
5 6	9 50.78	+88 28.7	0.973	1.192	54.4	19.8	74 E	46*	—
5 7	10 26.03	+88 22.4	0.977	1.194	54.3	19.8	74 E	47*	—
5 8	10 56.95	+88 14.0	0.980	1.195	54.2	19.8	74 E	47	—
5 9	11 23.39	+88 3.8	0.982	1.197	54.1	19.8	74 E	47	—
5 10	11 45.72	+87 52.0	0.985	1.198	54.0	19.8	74 E	47	—
5 11	12 4.54	+87 39.1	0.988	1.200	53.9	19.8	74 E	47	—
5 12	12 20.43	+87 25.2	0.990	1.201	53.9	19.8	74 E	48	—
5 13	12 33.94	+87 10.3	0.992	1.203	53.8	19.9	74 E	48	—
5 14	12 45.50	+86 54.8	0.994	1.204	53.7	19.9	74 E	48	—
5 15	12 55.49	+86 38.6	0.996	1.206	53.6	19.9	74 E	48	—
5 16	13 4.20	+86 21.8	0.997	1.207	53.6	19.9	74 E	49	—
5 17	13 11.85	+86 4.5	0.999	1.209	53.5	19.9	74 E	49	—
5 18	13 18.64	+85 46.6	1.000	1.210	53.4	19.9	74 E	49	—
5 19	13 24.70	+85 28.3	1.001	1.212	53.4	19.9	74 E	50	—
5 20	13 30.16	+85 9.5	1.002	1.214	53.3	19.9	74 E	50	—
5 21	13 35.10	+84 50.2	1.003	1.215	53.3	19.9	74 E	50	—
5 22	13 39.62	+84 30.6	1.003	1.217	53.2	19.9	74 E	50	—
5 23	13 43.76	+84 10.5	1.004	1.218	53.1	19.9	74 E	51	—
5 24	13 47.58	+83 49.9	1.004	1.220	53.1	19.9	74 E	51	—
5 25	13 51.13	+83 29.0	1.004	1.222	53.0	19.9	75 E	52	—
5 26	13 54.43	+83 7.6	1.004	1.223	53.0	19.9	75 E	52	—
5 27	13 57.53	+82 45.8	1.004	1.225	52.9	19.9	75 E	52	—

174050 2002 CC_{19} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 28	14 0.44	+82 23.6	1.004	1.227	52.9	19.9	75 E	53	—
5 29	14 3.19	+82 0.9	1.003	1.228	52.9	19.9	75 E	53	—
5 30	14 5.80	+81 37.8	1.003	1.230	52.8	19.9	75 E	53	—
5 31	14 8.28	+81 14.3	1.002	1.232	52.8	19.9	75 E	54	—
6 1	14 10.64	+80 50.3	1.001	1.233	52.7	19.9	75 E	54	—
6 2	14 12.91	+80 25.8	1.000	1.235	52.7	19.9	76 E	55	—
6 3	14 15.09	+80 0.9	0.999	1.237	52.7	19.9	76 E	55	—
6 4	14 17.20	+79 35.6	0.997	1.238	52.6	19.9	76 E	55	—
6 5	14 19.23	+79 9.7	0.996	1.240	52.6	19.9	76 E	56	—
6 7	14 23.11	+78 16.5	0.993	1.243	52.5	19.9	77 E	57	—
6 9	14 26.79	+77 21.4	0.989	1.247	52.5	19.9	77 E	58	—
6 11	14 30.32	+76 24.2	0.985	1.250	52.4	19.9	77 E	59	—
6 13	14 33.71	+75 24.8	0.980	1.254	52.4	19.9	78 E	60	—
6 15	14 37.01	+74 23.3	0.975	1.257	52.3	19.9	78 E	61	—
6 17	14 40.22	+73 19.5	0.970	1.261	52.2	19.9	79 E	62	—
6 19	14 43.36	+72 13.3	0.964	1.264	52.2	19.9	79 E	63	—
6 21	14 46.45	+71 4.8	0.958	1.268	52.1	19.8	80 E	64	—
6 23	14 49.49	+69 53.8	0.952	1.271	52.0	19.8	80 E	65	—
6 25	14 52.50	+68 40.3	0.946	1.275	52.0	19.8	81 E	66	—
6 30	14 59.91	+65 24.9	0.929	1.283	51.7	19.8	82 E	70	—
7 5	15 7.24	+61 52.0	0.912	1.292	51.5	19.8	84 E	73*	2
7 10	15 14.58	+58 0.8	0.896	1.300	51.2	19.7	85 E	77*	6
7 15	15 21.99	+53 51.1	0.881	1.309	50.9	19.7	87 E	80*	10
7 20	15 29.51	+49 23.4	0.868	1.317	50.5	19.7	88 E	82*	15
7 25	15 37.17	+44 39.0	0.859	1.325	50.0	19.6	90 E	82*	19
7 30	15 44.96	+39 40.0	0.853	1.333	49.6	19.6	91 E	79*	24
8 4	15 52.91	+34 29.7	0.852	1.341	49.2	19.6	91 E	75*	30
8 9	16 1.06	+29 12.2	0.856	1.348	48.7	19.6	92 E	70*	35
8 14	16 9.43	+23 52.5	0.866	1.355	48.3	19.7	92 E	65*	40
8 19	16 18.01	+18 35.9	0.882	1.362	47.9	19.7	92 E	60*	45
8 24	16 26.81	+13 27.3	0.904	1.369	47.6	19.8	91 E	55*	51
8 29	16 35.84	+ 8 30.8	0.932	1.376	47.2	19.8	90 E	51*	55*
9 3	16 45.10	+ 3 49.6	0.965	1.382	46.9	19.9	89 E	46*	60*
9 8	16 54.63	− 0 34.0	1.003	1.388	46.5	20.0	87 E	42*	64*
9 13	17 4.42	− 4 38.8	1.045	1.393	46.1	20.1	86 E	38*	67*
9 23	17 24.81	−11 50.6	1.140	1.403	45.0	20.2	81 E	31*	70*
10 3	17 46.28	−17 49.5	1.244	1.411	43.7	20.4	77 E	25*	69*
10 13	18 8.91	−22 43.5	1.352	1.418	42.1	20.6	72 E	21*	66*
10 23	18 32.68	−26 41.2	1.461	1.424	40.3	20.7	68 E	17*	62*
11 2	18 57.59	−29 50.8	1.565	1.428	38.4	20.8	63 E	14*	57*
11 12	19 23.64	−32 18.6	1.663	1.430	36.3	20.9	59 E	11*	53*
11 22	19 50.74	−34 9.6	1.753	1.430	34.3	20.9	55 E	9*	49*
12 2	20 18.83	−35 27.4	1.831	1.429	32.3	21.0	51 E	8*	45*
12 12	20 47.83	−36 14.6	1.898	1.427	30.5	21.0	47 E	6*	41*
12 22	21 17.63	−36 33.2	1.951	1.422	28.8	21.0	44 E	5*	38*
1 1	21 48.10	−36 24.4	1.992	1.417	27.4	21.0	42 E	5*	36*
1 11	22 19.14	−35 48.9	2.021	1.409	26.4	21.0	40 E	4*	34*

313809 2004 BH_{41}

12 27	9 51.25	+ 7 55.7	0.837	1.637	28.3	21.2	128 W	53	56
1 6	9 38.49	+12 28.0	0.781	1.673	20.8	20.9	143 W	57	52
1 16	9 19.21	+17 52.5	0.749	1.705	11.9	20.6	159 W	63	46
1 26	8 54.92	+23 30.0	0.750	1.731	3.9	20.2	173 W	69	40
1 31	8 41.93	+26 7.1	0.763	1.742	5.1	20.3	171 E	71	38
2 5	8 29.08	+28 28.9	0.784	1.753	9.1	20.6	164 E	73	36
2 10	8 16.89	+30 32.2	0.814	1.762	13.2	20.9	156 E	76	33
2 15	8 5.85	+32 15.8	0.851	1.770	16.9	21.1	149 E	77	32
2 20	7 56.31	+33 40.5	0.893	1.776	20.3	21.3	141 E	79	30
2 25	7 48.46	+34 48.2	0.941	1.782	23.3	21.5	135 E	80	29

385408 2002 XW_{64}

12 27	9 51.25	+35 45.3	1.549	2.340	17.7	20.5	134 W	81	28
1 1	9 49.31	+37 6.5	1.530	2.357	16.1	20.5	138 W	82	27
1 6	9 46.37	+38 28.2	1.516	2.374	14.6	20.4	143 W	83	26
1 11	9 42.43	+39 48.4	1.508	2.391	13.1	20.4	147 W	85	24
1 16	9 37.57	+41 5.1	1.507	2.408	11.8	20.3	150 W	86	23
1 21	9 31.94	+42 16.2	1.511	2.425	11.0	20.3	152 W	87	22
1 26	9 25.69	+43 19.8	1.523	2.442	10.5	20.3	153 W	88	21
1 31	9 19.05	+44 14.6	1.541	2.458	10.6	20.4	153 W	89	20
2 5	9 12.25	+44 59.4	1.566	2.475	11.1	20.4	151 E	90	19
2 10	9 5.54	+45 33.8	1.597	2.491	12.0	20.5	148 E	89	18
2 15	8 59.17	+45 57.7	1.634	2.507	13.1	20.6	145 E	89	18
2 20	8 53.36	+46 11.5	1.677	2.522	14.3	20.7	141 E	89	18
2 25	8 48.29	+46 16.2	1.725	2.538	15.5	20.9	137 E	89	18
3 2	8 44.08	+46 12.6	1.777	2.553	16.6	21.0	132 E	89	18
3 7	8 40.80	+46 1.9	1.834	2.569	17.7	21.1	128 E	89	18
3 12	8 38.48	+45 45.1	1.895	2.584	18.6	21.2	124 E	89	18
3 17	8 37.13	+45 23.2	1.959	2.598	19.4	21.3	120 E	90	19
3 22	8 36.72	+44 57.1	2.025	2.613	20.1	21.4	115 E	90	19