397287 2006 SG_{54}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 27	7 18.24	+ 8 49.9	2.509	3.452	5.5	21.8	160 W	54	55
1 6	7 8.99	+ 8 50.2	2.508	3.471	3.8	21.8	166 W	54	55
1 16	6 59.81	+ 8 59.2	2.537	3.489	4.8	21.8	163 E	54	55
1 26	6 51.49	+ 9 15.6	2.596	3.506	7.2	22.0	154 E	54	55
2 5	6 44.67	+ 9 37.3	2.684	3.522	9.7	22.2	143 E	55	54

235700 2004 TR_{13}

12 27	7 18.29	+48 23.5	2.127	3.035	8.6	23.1	153 W	87	16
1 1	7 8.90	+48 47.1	2.099	3.013	8.3	23.1	154 W	86	15
1 6	6 59.06	+49 3.0	2.079	2.991	8.5	23.1	153 E	86	15
1 11	6 49.01	+49 10.3	2.067	2.968	9.1	23.0	152 E	86	15
1 16	6 39.06	+49 9.0	2.062	2.945	10.1	23.1	148 E	86	15
1 21	6 29.50	+48 59.2	2.064	2.921	11.3	23.1	144 E	86	15

251398 2007 XB_{24}

12 27	7 18.35	+22 7.9	1.157	2.127	5.8	19.5	167 W	67	42
1 1	7 11.94	+22 25.0	1.164	2.144	2.8	19.4	174 W	67	42
1 6	7 5.45	+22 41.1	1.177	2.160	0.2	19.2	179 E	68	41
1 11	6 59.12	+22 55.7	1.197	2.177	3.2	19.5	173 E	68	41
1 16	6 53.19	+23 8.6	1.224	2.193	6.0	19.7	166 E	68	41
1 21	6 47.86	+23 19.7	1.258	2.209	8.7	19.9	160 E	68	41
1 26	6 43.28	+23 28.9	1.298	2.225	11.2	20.1	154 E	68	41
2 5	6 36.72	+23 42.5	1.394	2.256	15.5	20.4	142 E	69	40
2 15	6 33.86	+23 50.7	1.510	2.287	18.9	20.8	132 E	69	40
2 25	6 34.63	+23 54.6	1.640	2.317	21.3	21.0	122 E	69	40
3 7	6 38.59	+23 54.6	1.781	2.347	23.0	21.3	112 E	69	40

217160 2002 PB_{84}

12 27	7 18.71	+31 14.1	0.997	1.965	7.2	18.8	165 W	76	33
1 1	7 12.05	+31 12.8	1.006	1.982	5.0	18.7	170 W	76	33
1 6	7 5.36	+31 7.0	1.021	1.999	4.2	18.7	171 E	76	33
1 11	6 58.93	+30 57.0	1.042	2.016	5.5	18.9	169 E	76	33
1 16	6 53.03	+30 43.0	1.070	2.033	7.8	19.0	164 E	76	33
1 21	6 47.87	+30 25.6	1.104	2.051	10.2	19.2	158 E	75	34
1 26	6 43.62	+30 5.7	1.143	2.068	12.6	19.4	153 E	75	34
1 31	6 40.35	+29 44.0	1.188	2.086	14.8	19.6	147 E	75	34
2 5	6 38.11	+29 21.3	1.238	2.103	16.8	19.8	142 E	74	35
2 15	6 36.68	+28 34.5	1.351	2.138	20.2	20.1	132 E	74	35
2 25	6 39.06	+27 48.3	1.478	2.173	22.7	20.4	122 E	73	36
3 7	6 44.66	+27 3.3	1.615	2.208	24.3	20.7	114 E	72	37
3 17	6 52.90	+26 19.1	1.761	2.242	25.3	20.9	105 E	71	38
3 27	7 3.24	+25 34.5	1.913	2.277	25.7	21.2	98 E	71*	38
4 6	7 15.20	+24 48.3	2.067	2.310	25.7	21.4	91 E	68*	39

138175 2000 EE_{104}

12 27	7 18.78	+45 44.5	0.271	1.234	19.7	19.0	155 W	89	18
12 29	7 8.35	+45 57.0	0.274	1.239	18.7	19.0	156 W	89	18
12 31	6 58.04	+46 2.9	0.278	1.244	18.1	19.0	157 W	89	18
1 2	6 47.99	+46 2.4	0.283	1.248	18.0	19.1	157 E	89	18
1 4	6 38.31	+45 55.9	0.288	1.253	18.3	19.1	156 E	89	18
1 6	6 29.11	+45 43.9	0.294	1.257	18.9	19.2	156 E	89	18
1 8	6 20.48	+45 27.0	0.301	1.261	19.9	19.3	154 E	90	19
1 10	6 12.47	+45 6.0	0.308	1.265	21.0	19.4	153 E	90	19
1 12	6 5.13	+44 41.5	0.316	1.268	22.3	19.5	151 E	90	19
1 14	5 58.50	+44 14.4	0.324	1.272	23.7	19.6	149 E	89	20
1 16	5 52.56	+43 45.1	0.333	1.275	25.2	19.7	147 E	89	20
1 21	5 40.73	+42 26.9	0.358	1.282	28.9	20.0	141 E	87	22
1 26	5 32.83	+41 7.0	0.385	1.288	32.3	20.2	136 E	86	23
1 31	5 28.31	+39 49.8	0.414	1.293	35.4	20.5	130 E	85	24
2 5	5 26.60	+38 37.7	0.444	1.296	38.2	20.7	126 E	84	25
2 10	5 27.22	+37 31.5	0.476	1.298	40.7	21.0	121 E	83	26
2 15	5 29.80	+36 31.1	0.508	1.299	42.8	21.2	117 E	82	27
2 20	5 34.00	+35 36.1	0.541	1.298	44.6	21.3	113 E	81	28

423022 2003 TJ_2

12 27	7 18.98	+52 43.3	1.033	1.942	15.2	21.2	149 W	82	11
12 29	7 12.71	+52 48.2	1.030	1.943	14.9	21.1	149 W	82	11
12 31	7 6.33	+52 50.1	1.029	1.943	14.7	21.1	150 W	82	11
1 2	6 59.90	+52 49.0	1.028	1.943	14.6	21.1	150 W	82	11
1 4	6 53.46	+52 44.8	1.029	1.943	14.7	21.1	150 E	82	11
1 6	6 47.07	+52 37.5	1.030	1.943	14.8	21.1	150 E	82	11
1 8	6 40.77	+52 27.3	1.033	1.943	15.1	21.1	149 E	83	12
1 10	6 34.62	+52 14.1	1.036	1.943	15.5	21.2	148 E	83	12
1 12	6 28.67	+51 58.2	1.041	1.942	15.9	21.2	147 E	83	12
1 14	6 22.94	+51 39.6	1.047	1.942	16.5	21.2	146 E	83	12
1 16	6 17.48	+51 18.7	1.053	1.941	17.1	21.3	145 E	84	13
1 21	6 5.18	+50 17.6	1.074	1.938	18.8	21.4	141 E	85	14
1 26	5 54.99	+49 6.9	1.101	1.935	20.6	21.5	136 E	86	15

423022 2003 TJ_2 *(continuation)*

1 31	5 46.99	+47 50.3	1.132	1.930	22.5	21.6	131 E	87	16
2 5	5 41.12	+46 31.1	1.167	1.925	24.3	21.7	127 E	88	17

396948 2005 JQ_{176}

12 27	7 19.39	+20 11.3	2.718	3.682	3.5	23.6	167 W	65	44
1 6	7 10.12	+20 48.8	2.717	3.700	0.5	23.4	178 W	66	43
1 16	7 0.84	+21 25.2	2.748	3.717	3.1	23.7	168 E	66	43
1 26	6 52.35	+21 58.7	2.812	3.733	6.1	23.9	156 E	67	42
2 5	6 45.28	+22 28.2	2.903	3.749	8.8	24.1	144 E	67	42

285093 1994 HC

12 27	7 19.56	+30 51.9	1.815	2.778	5.1	21.7	165 W	76	33
1 1	7 13.14	+31 7.8	1.811	2.784	3.6	21.7	170 W	76	33
1 6	7 6.55	+31 20.7	1.815	2.791	3.1	21.6	171 E	76	33
1 11	7 0.00	+31 30.0	1.826	2.797	4.1	21.7	168 E	76	33
1 16	6 53.67	+31 35.8	1.846	2.802	5.8	21.8	163 E	77	32
1 21	6 47.72	+31 38.0	1.872	2.808	7.6	22.0	158 E	77	32
1 26	6 42.32	+31 37.1	1.906	2.813	9.5	22.1	152 E	77	32
1 31	6 37.57	+31 33.3	1.946	2.818	11.2	22.2	146 E	77	32

164214 2004 LZ_{11}

12 27	7 19.73	+26 42.7	1.634	2.601	4.9	22.6	167 W	72	37
1 1	7 13.07	+27 2.9	1.638	2.616	2.8	22.5	173 W	72	37
1 6	7 6.32	+27 20.7	1.650	2.631	1.8	22.4	175 E	72	37
1 11	6 59.66	+27 35.8	1.670	2.646	3.3	22.6	171 E	73	36
1 16	6 53.28	+27 47.9	1.697	2.660	5.4	22.7	165 E	73	36
1 21	6 47.38	+27 57.0	1.732	2.674	7.6	22.9	159 E	73	36

141690 2002 JM_{143}

12 27	7 19.90	+18 49.0	1.859	2.823	4.8	21.2	166 W	64	45
1 1	7 14.32	+18 55.7	1.852	2.829	2.7	21.1	172 W	64	45
1 6	7 8.60	+19 2.9	1.852	2.834	1.2	21.0	177 W	64	45
1 11	7 2.89	+19 10.1	1.860	2.839	2.3	21.1	173 E	64	45
1 16	6 57.34	+19 17.3	1.876	2.844	4.4	21.2	167 E	64	45
1 21	6 52.11	+19 24.3	1.899	2.848	6.4	21.4	161 E	64	45
1 26	6 47.32	+19 30.9	1.930	2.853	8.4	21.5	155 E	65	44
1 31	6 43.07	+19 37.2	1.967	2.857	10.2	21.6	149 E	65	44
2 5	6 39.43	+19 43.0	2.010	2.860	12.0	21.7	143 E	65	44

431821 2008 RL_{107}

12 27	7 19.91	+11 53.5	2.148	3.100	5.5	22.1	162 W	57	52
1 6	7 9.70	+12 26.1	2.149	3.121	3.2	21.9	170 W	57	52
1 16	6 59.55	+13 5.0	2.180	3.142	4.5	22.1	165 E	58	51
1 26	6 50.43	+13 47.4	2.243	3.162	7.6	22.3	155 E	59	50
2 5	6 43.09	+14 30.7	2.333	3.180	10.6	22.5	144 E	60	49

222956 2002 PF_{129}

12 27	7 22.02	+34 27.5	1.874	2.829	5.8	21.2	163 W	79	30
1 1	7 15.83	+34 46.7	1.858	2.824	4.7	21.1	167 W	80	29
1 6	7 9.38	+35 2.1	1.851	2.819	4.3	21.1	167 W	80	29
1 11	7 2.85	+35 13.4	1.851	2.813	5.1	21.1	165 E	80	29
1 16	6 56.45	+35 20.2	1.858	2.807	6.4	21.2	161 E	80	29
1 21	6 50.35	+35 22.7	1.872	2.801	8.1	21.3	156 E	80	29
1 26	6 44.72	+35 20.9	1.894	2.795	9.9	21.4	151 E	80	29
1 31	6 39.71	+35 15.5	1.922	2.789	11.6	21.5	145 E	80	29
2 5	6 35.42	+35 6.8	1.955	2.782	13.2	21.5	140 E	80	29

410778 2009 FG_{19}

12 27	7 22.02	−43 6.4	3.850	4.319	12.2	24.8	112 W	2	73
1 1	7 16.92	−43 9.8	3.852	4.337	12.0	24.8	113 W	2	73
1 6	7 11.76	−43 6.2	3.856	4.355	11.9	24.8	114 W	2	73
1 11	7 6.62	−42 55.7	3.865	4.372	11.8	24.9	115 E	2	73
1 16	7 1.60	−42 38.3	3.877	4.390	11.7	24.9	115 E	2	73
1 21	6 56.79	−42 14.3	3.894	4.407	11.6	24.9	115 E	3	74
1 26	6 52.28	−41 44.3	3.914	4.423	11.6	24.9	115 E	3	74

40329 1999 ML

12 27	7 22.67	+18 21.2	1.833	2.796	5.1	21.6	165 W	63	46
1 1	7 16.65	+18 31.1	1.838	2.814	3.0	21.5	171 W	64	45
1 6	7 10.56	+18 41.3	1.849	2.831	1.4	21.4	176 W	64	45
1 11	7 4.54	+18 51.4	1.869	2.848	2.3	21.5	173 E	64	45
1 16	6 58.75	+19 1.4	1.897	2.865	4.2	21.7	168 E	64	45
1 21	6 53.34	+19 11.0	1.932	2.882	6.3	21.8	161 E	64	45
1 26	6 48.42	+19 20.0	1.975	2.898	8.2	22.0	155 E	64	45
1 31	6 44.08	+19 28.5	2.024	2.914	10.0	22.1	149 E	64	45
2 5	6 40.39	+19 36.4	2.079	2.930	11.6	22.2	143 E	65	44

459119 2012 BJ_{134}

12 27	7 22.86	+ 4 52.2	3.189	4.110	5.4	24.2	157 W	50	59
1 6	7 12.92	+ 5 14.3	3.151	4.101	4.1	24.1	163 W	50	59
1 16	7 2.77	+ 5 45.8	3.148	4.090	4.5	24.1	161 E	51	58
1 26	6 53.12	+ 6 25.1	3.177	4.077	6.4	24.3	153 E	51	58
2 5	6 44.57	+ 7 9.8	3.238	4.063	8.5	24.4	142 E	52	57

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
274138 2008 FU_6									
12 27	7 23.09	− 9 11.4	0.690	1.595	21.0	18.9	144 W	36	73
1 1	7 10.22	− 8 27.6	0.708	1.628	18.7	19.0	148 W	37	72
1 6	6 57.97	− 7 30.5	0.733	1.659	17.3	19.0	150 E	37	72
1 11	6 46.72	− 6 22.7	0.764	1.688	17.0	19.2	150 E	39	70
1 16	6 36.78	− 5 7.5	0.801	1.717	17.6	19.3	148 E	40	69
1 21	6 28.33	− 3 47.8	0.844	1.744	18.8	19.5	145 E	41	68
1 26	6 21.44	− 2 26.5	0.892	1.771	20.4	19.7	141 E	43	66
1 31	6 16.08	− 1 5.7	0.945	1.796	22.0	19.9	137 E	44	65
2 5	6 12.20	+ 0 13.0	1.003	1.820	23.6	20.1	132 E	45	64
2 10	6 9.68	+ 1 28.7	1.064	1.842	25.0	20.3	128 E	46	63
2 15	6 8.44	+ 2 40.5	1.128	1.864	26.3	20.5	123 E	48	61
2 20	6 8.34	+ 3 48.0	1.195	1.884	27.3	20.7	119 E	49	60
2 25	6 9.26	+ 4 51.1	1.265	1.904	28.2	20.9	115 E	50	59
3 2	6 11.10	+ 5 49.5	1.336	1.922	28.9	21.0	111 E	51	58
3 7	6 13.74	+ 6 43.4	1.409	1.940	29.4	21.2	106 E	52	57
3 12	6 17.09	+ 7 32.9	1.482	1.956	29.7	21.3	103 E	53	56
3 17	6 21.09	+ 8 18.0	1.557	1.971	29.9	21.4	99 E	53	56
100493 1996 VK_{37}									
12 27	7 24.46	+18 23.1	1.858	2.819	5.2	21.1	165 W	63	46
1 1	7 19.01	+18 32.1	1.847	2.822	3.1	21.0	171 W	64	45
1 6	7 13.38	+18 41.7	1.843	2.824	1.4	20.9	176 W	64	45
1 11	7 7.71	+18 51.6	1.847	2.827	2.1	20.9	174 E	64	45
1 16	7 2.16	+19 1.5	1.858	2.829	4.0	21.1	168 E	64	45
1 21	6 56.87	+19 11.2	1.877	2.830	6.1	21.2	162 E	64	45
1 26	6 51.99	+19 20.5	1.903	2.832	8.1	21.3	156 E	64	45
1 31	6 47.62	+19 29.4	1.936	2.833	10.0	21.4	150 E	64	45
2 5	6 43.85	+19 37.8	1.976	2.834	11.8	21.6	144 E	65	44
469516 2003 RZ_{23}									
12 27	7 24.66	+14 12.6	1.613	2.569	6.5	21.9	163 W	59	50
1 6	7 13.19	+14 21.1	1.610	2.587	3.1	21.7	172 W	59	50
1 16	7 1.76	+14 35.9	1.637	2.604	5.0	21.9	167 E	60	49
1 26	6 51.67	+14 55.1	1.692	2.619	9.0	22.1	155 E	60	49
2 5	6 43.90	+15 16.6	1.773	2.634	12.8	22.4	144 E	60	49
354683 2005 PM_4									
12 27	7 24.69	+32 8.6	2.454	3.410	4.6	21.5	164 W	77	32
1 1	7 19.48	+32 28.8	2.430	3.398	3.5	21.4	168 W	77	32
1 6	7 14.02	+32 46.7	2.415	3.386	3.0	21.4	170 W	78	31
1 11	7 8.46	+33 2.0	2.407	3.374	3.5	21.4	168 E	78	31
1 16	7 2.91	+33 14.4	2.407	3.362	4.7	21.4	164 E	78	31
1 21	6 57.53	+33 23.7	2.414	3.350	6.1	21.5	159 E	78	31
1 26	6 52.44	+33 30.0	2.429	3.337	7.7	21.6	153 E	78	31
1 31	6 47.76	+33 33.3	2.451	3.324	9.2	21.7	147 E	79	30
2 5	6 43.57	+33 33.9	2.479	3.311	10.6	21.7	142 E	79	30
349928 2009 WD_{106}									
12 27	7 24.78	+25 31.7	1.485	2.450	5.6	21.8	166 W	71	38
1 1	7 14.78	+25 36.9	1.507	2.485	2.8	21.7	173 W	71	38
1 6	7 4.97	+25 38.7	1.537	2.520	1.2	21.6	177 E	71	38
1 11	6 55.61	+25 37.4	1.577	2.553	3.3	21.8	171 E	71	38
1 16	6 46.91	+25 33.2	1.625	2.586	5.8	22.1	165 E	71	38
1 21	6 39.04	+25 26.5	1.680	2.618	8.2	22.3	158 E	70	39
1 26	6 32.12	+25 18.1	1.744	2.649	10.3	22.5	151 E	70	39
474348 2002 QR_3									
12 27	7 24.89	+22 21.2	1.652	2.616	5.3	22.0	166 W	67	42
1 1	7 18.96	+22 24.1	1.651	2.628	2.9	21.9	172 W	67	42
1 6	7 12.90	+22 26.4	1.657	2.640	0.5	21.7	179 W	67	42
1 11	7 6.88	+22 27.8	1.670	2.651	2.0	21.9	175 E	67	42
1 16	7 1.07	+22 28.2	1.692	2.663	4.3	22.1	168 E	67	42
1 21	6 55.65	+22 27.7	1.720	2.673	6.5	22.2	162 E	67	42
1 26	6 50.75	+22 26.3	1.756	2.684	8.7	22.4	156 E	67	42
1 31	6 46.48	+22 24.0	1.798	2.695	10.6	22.5	150 E	67	42
380710 2005 MN_{32}									
12 27	7 25.08	+39 27.8	2.019	2.959	6.8	20.5	159 W	84	25
1 1	7 18.07	+39 16.7	1.991	2.943	5.8	20.4	162 W	84	25
1 6	7 10.79	+39 0.2	1.970	2.926	5.5	20.3	164 W	84	25
1 11	7 3.43	+38 38.0	1.957	2.910	5.9	20.3	162 E	84	25
1 16	6 56.21	+38 10.1	1.952	2.893	7.0	20.4	159 E	83	26
1 21	6 49.32	+37 37.1	1.955	2.876	8.4	20.4	155 E	83	26
1 26	6 42.95	+36 59.4	1.965	2.858	10.0	20.5	150 E	82	27
1 31	6 37.22	+36 18.0	1.981	2.841	11.6	20.6	144 E	81	28
2 5	6 32.26	+35 33.7	2.004	2.823	13.2	20.6	139 E	81	28
2 10	6 28.13	+34 47.4	2.033	2.806	14.8	20.7	134 E	80	29
2 15	6 24.89	+34 0.0	2.066	2.788	16.2	20.8	128 E	79	30
2 20	6 22.55	+33 12.2	2.105	2.769	17.4	20.8	123 E	78	31
2 25	6 21.10	+32 24.5	2.146	2.751	18.6	20.9	118 E	77	32
3 2	6 20.50	+31 37.5	2.191	2.733	19.5	21.0	113 E	77	32

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
380710 2005 MN_{32} *(continuation)*									
3 7	6 20.71	+30 51.5	2.238	2.714	20.4	21.0	108 E	76	33
3 12	6 21.70	+30 6.6	2.287	2.695	21.0	21.1	103 E	75	34
3 17	6 23.41	+29 22.8	2.338	2.676	21.6	21.1	99 E	74	35
3 22	6 25.79	+28 40.2	2.389	2.657	22.0	21.2	94 E	73*	35*
3 27	6 28.79	+27 58.7	2.440	2.638	22.2	21.2	90 E	71*	36*
4 1	6 32.35	+27 18.1	2.491	2.618	22.4	21.2	86 E	69*	36*
4 6	6 36.43	+26 38.3	2.541	2.599	22.4	21.3	82 E	65*	37*
4 11	6 40.99	+25 59.0	2.590	2.579	22.4	21.3	78 E	62*	37*
4 16	6 45.99	+25 20.0	2.638	2.559	22.2	21.3	74 E	58*	37*
4 21	6 51.38	+24 41.2	2.685	2.539	22.0	21.3	71 E	54*	37*
4 26	6 57.13	+24 2.2	2.729	2.519	21.6	21.3	67 E	50*	37*
5 1	7 3.21	+23 23.0	2.772	2.499	21.2	21.3	64 E	46*	36*
5 6	7 9.59	+22 43.2	2.812	2.478	20.8	21.3	61 E	42*	36*
5 11	7 16.24	+22 2.7	2.850	2.458	20.2	21.3	57 E	38*	35*
5 16	7 23.14	+21 21.3	2.886	2.437	19.7	21.3	54 E	35*	35*
5 21	7 30.27	+20 38.9	2.919	2.417	19.0	21.3	51 E	31*	34*
5 26	7 37.61	+19 55.2	2.949	2.396	18.4	21.3	48 E	27*	33*
5 31	7 45.13	+19 10.1	2.976	2.375	17.7	21.3	45 E	23*	32*
6 5	7 52.82	+18 23.5	3.001	2.354	16.9	21.2	42 E	20*	31*
6 10	8 0.68	+17 35.3	3.023	2.333	16.1	21.2	40 E	17*	29*
6 15	8 8.68	+16 45.3	3.041	2.312	15.3	21.2	37 E	14*	28*
6 20	8 16.81	+15 53.4	3.057	2.291	14.5	21.1	34 E	11*	26*
6 25	8 25.07	+14 59.5	3.070	2.270	13.7	21.1	32 E	8*	24*
6 30	8 33.44	+14 3.6	3.080	2.249	12.8	21.1	29 E	5*	23*
7 5	8 41.93	+13 5.5	3.087	2.228	11.9	21.0	27 E	3*	21*
7 10	8 50.51	+12 5.2	3.091	2.207	11.0	21.0	25 E	1*	18*
7 15	8 59.20	+11 2.6	3.093	2.187	10.2	20.9	22 E	—	16*
7 20	9 7.99	+ 9 57.7	3.091	2.166	9.3	20.8	20 E	—	14*
7 25	9 16.86	+ 8 50.5	3.087	2.145	8.5	20.8	18 E	—	12*
7 30	9 25.83	+ 7 40.8	3.080	2.124	7.7	20.7	16 E	—	10*
8 4	9 34.89	+ 6 28.7	3.071	2.104	6.9	20.7	14 E	—	7*
8 9	9 44.05	+ 5 14.1	3.059	2.083	6.2	20.6	13 E	—	5*
8 14	9 53.31	+ 3 57.1	3.045	2.063	5.6	20.5	12 E	—	3*
8 19	10 2.67	+ 2 37.5	3.029	2.043	5.2	20.5	11 E	—	1*
8 24	10 12.13	+ 1 15.6	3.011	2.023	5.0	20.4	10 E	—	—
9 3	10 31.41	− 1 35.7	2.969	1.983	5.1	20.4	10 W	—	2*
9 13	10 51.21	− 4 36.4	2.919	1.945	6.1	20.3	12 W	—	5*
9 23	11 11.63	− 7 46.0	2.865	1.908	7.5	20.3	14 W	—	8*
10 3	11 32.78	−11 3.4	2.806	1.873	9.1	20.3	17 W	—	11*
10 13	11 54.79	−14 27.6	2.743	1.839	10.8	20.3	20 W	2*	14*
10 23	12 17.83	−17 56.3	2.679	1.808	12.5	20.3	23 W	4*	17*
11 2	12 42.09	−21 27.4	2.615	1.778	14.2	20.2	26 W	6*	20*
11 12	13 7.78	−24 57.7	2.551	1.752	15.9	20.2	29 W	6*	23*
11 17	13 21.21	−26 41.3	2.520	1.739	16.7	20.2	30 W	6*	24*
11 22	13 35.08	−28 23.1	2.489	1.728	17.5	20.2	32 W	6*	25*
11 27	13 49.41	−30 2.6	2.459	1.717	18.2	20.2	33 W	6*	27*
12 2	14 4.22	−31 39.0	2.429	1.707	19.0	20.2	34 W	6*	28*
12 7	14 19.52	−33 11.7	2.400	1.698	19.7	20.1	36 W	5*	29*
12 12	14 35.32	−34 40.0	2.372	1.689	20.4	20.1	37 W	4*	31*
12 17	14 51.62	−36 3.0	2.345	1.682	21.1	20.1	38 W	4*	32*
12 22	15 8.41	−37 20.1	2.318	1.675	21.8	20.1	39 W	3*	33*
12 27	15 25.66	−38 30.6	2.293	1.670	22.4	20.1	40 W	2*	34*
1 1	15 43.35	−39 33.7	2.268	1.665	23.1	20.1	42 W	1*	35*
1 6	16 1.41	−40 28.8	2.244	1.661	23.7	20.1	43 W	1*	37*
1 11	16 19.77	−41 15.5	2.220	1.658	24.3	20.1	44 W	—	38*
1 16	16 38.35	−41 53.2	2.197	1.657	24.9	20.1	45 W	—	39*
1 21	16 57.05	−42 21.7	2.174	1.656	25.5	20.0	46 W	—	40*
3838 Epona									
12 27	7 25.17	−15 5.0	1.707	2.531	14.8	19.6	139 W	30	79
1 1	7 17.11	−15 32.6	1.685	2.523	14.3	19.6	141 W	29	80
1 6	7 8.71	−15 50.6	1.669	2.515	14.0	19.5	142 W	29	80
1 11	7 0.16	−15 58.3	1.660	2.506	14.1	19.5	142 E	29	80
1 16	6 51.67	−15 55.7	1.659	2.496	14.6	19.5	140 E	29	80
1 21	6 43.46	−15 43.0	1.664	2.485	15.3	19.5	138 E	29	80
1 26	6 35.73	−15 21.2	1.676	2.474	16.3	19.6	135 E	30	79
1 31	6 28.62	−14 51.1	1.693	2.461	17.4	19.6	132 E	30	79
2 5	6 22.26	−14 14.2	1.716	2.448	18.5	19.7	128 E	31	78
2 10	6 16.76	−13 31.5	1.744	2.434	19.7	19.7	124 E	31	78
2 15	6 12.16	−12 44.6	1.776	2.419	20.8	19.8	119 E	32	77
2 20	6 8.50	−11 54.6	1.811	2.403	21.9	19.9	115 E	33	76
2 25	6 5.77	−11 2.7	1.850	2.387	22.8	19.9	111 E	34	75
3 2	6 3.96	−10 10.1	1.890	2.369	23.7	20.0	106 E	35	74
3 7	6 3.01	− 9 17.4	1.932	2.351	24.4	20.0	102 E	36	73
3 17	6 3.58	− 7 34.5	2.017	2.311	25.4	20.1	94 E	37*	71*
3 27	6 7.10	− 5 58.4	2.101	2.267	26.0	20.2	86 E	37*	68*
4 6	6 13.18	− 4 31.4	2.181	2.220	26.3	20.2	79 E	35*	64*
4 16	6 21.49	− 3 15.2	2.253	2.169	26.1	20.2	72 E	31*	60*
4 26	6 31.75	− 2 10.6	2.316	2.114	25.7	20.2	66 E	26*	56*
5 6	6 43.70	− 1 18.2	2.366	2.054	25.1	20.2	60 E	21*	51*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	3838 Epona							*(continuation)*	
	h m	° ′			°	m	°	°	°
5 16	6 57.21	− 0 38.1	2.404	1.990	24.4	20.1	54 E	15*	47*
5 26	7 12.13	− 0 10.9	2.427	1.922	23.5	20.1	49 E	9*	43*
6 5	7 28.38	+ 0 3.7	2.435	1.849	22.5	19.9	44 E	3*	38*
6 15	7 45.96	+ 0 5.2	2.428	1.770	21.5	19.8	40 E	—	34*
6 25	8 4.86	− 0 6.4	2.406	1.686	20.5	19.7	36 E	—	29*
7 5	8 25.15	− 0 31.0	2.368	1.597	19.6	19.5	32 E	—	24*
7 15	8 46.99	− 1 8.8	2.315	1.501	18.8	19.3	28 E	—	20*
7 25	9 10.57	− 1 59.5	2.248	1.399	18.1	19.0	25 E	—	16*
8 4	9 36.21	− 3 2.5	2.166	1.290	17.6	18.8	23 E	—	12*
8 14	10 4.37	− 4 16.8	2.072	1.174	17.3	18.4	20 E	—	9*
8 24	10 35.66	− 5 39.7	1.965	1.051	17.2	18.1	18 E	—	7*
8 29	10 52.75	− 6 23.0	1.908	0.986	17.3	17.9	17 E	—	6*
9 3	11 10.97	− 7 6.6	1.848	0.920	17.5	17.7	16 E	—	6*
9 8	11 30.48	− 7 49.0	1.785	0.852	17.8	17.4	15 E	—	5*
9 13	11 51.45	− 8 28.7	1.719	0.783	18.4	17.2	14 E	—	6*
9 18	12 14.06	− 9 3.1	1.650	0.714	19.4	16.9	14 E	—	6*
9 23	12 38.50	− 9 29.4	1.577	0.646	21.4	16.7	14 E	—	7*
9 28	13 4.89	− 9 43.4	1.499	0.581	24.9	16.4	14 E	—	8*
10 3	13 33.27	− 9 40.8	1.415	0.523	30.6	16.3	15 E	—	9*
10 8	14 3.41	− 9 17.2	1.323	0.478	39.2	16.2	18 E	4*	11*
10 13	14 34.76	− 8 30.5	1.223	0.452	50.4	16.2	20 E	8*	13*
10 18	15 6.56	− 7 23.7	1.116	0.450	63.0	16.3	24 E	12*	14*
10 23	15 38.37	− 6 4.8	1.008	0.473	74.8	16.6	27 E	16*	16*
10 28	16 10.52	− 4 42.9	0.904	0.517	84.0	16.9	31 E	20*	17*
11 2	16 44.02	− 3 24.2	0.810	0.573	90.1	17.1	35 E	24*	19*
11 7	17 20.19	− 2 11.5	0.728	0.637	92.9	17.2	40 E	29*	21*
11 12	18 0.17	− 1 5.3	0.661	0.705	92.8	17.2	45 E	33*	25*
11 22	19 32.18	+ 0 45.6	0.584	0.843	85.6	17.1	58 E	42*	33*
12 2	21 9.33	+ 2 2.2	0.592	0.977	73.2	17.0	72 E	47*	43*
12 12	22 32.18	+ 2 48.8	0.677	1.105	61.7	17.2	81 E	48	49*
12 17	23 5.63	+ 3 6.5	0.741	1.166	57.0	17.3	84 E	48	50*
12 22	23 34.23	+ 3 23.3	0.814	1.226	53.1	17.5	85 E	48	51*
12 27	23 58.77	+ 3 40.4	0.894	1.283	49.9	17.8	86 E	49	51*
1 1	0 20.05	+ 3 58.5	0.980	1.339	47.1	18.0	86 E	49	51*
1 6	0 38.76	+ 4 17.9	1.070	1.392	44.7	18.2	85 E	49	51*
1 11	0 55.44	+ 4 38.6	1.163	1.444	42.6	18.4	84 E	50	50*
1 16	1 10.52	+ 5 0.4	1.258	1.495	40.7	18.6	83 E	50	49*
1 21	1 24.33	+ 5 23.1	1.355	1.544	39.0	18.8	81 E	50	48*
	162991 2001 SY_{69}								
12 27	7 25.40	+26 36.3	1.401	2.366	5.9	19.7	166 W	72	37
1 1	7 19.10	+27 3.4	1.399	2.376	3.5	19.5	171 W	72	37
1 6	7 12.59	+27 28.1	1.405	2.386	2.1	19.5	175 W	72	37
1 11	7 6.09	+27 50.0	1.418	2.396	3.3	19.6	172 E	73	36
1 16	6 59.82	+28 8.4	1.438	2.406	5.5	19.7	166 E	73	36
1 21	6 53.99	+28 23.5	1.466	2.415	7.9	19.9	160 E	73	36
1 26	6 48.77	+28 35.1	1.500	2.424	10.2	20.1	154 E	74	35
1 31	6 44.28	+28 43.5	1.540	2.433	12.3	20.2	148 E	74	35
2 5	6 40.63	+28 49.2	1.585	2.442	14.2	20.3	142 E	74	35
2 15	6 36.00	+28 53.6	1.691	2.459	17.5	20.6	131 E	74	35
2 25	6 35.00	+28 51.1	1.813	2.475	20.0	20.9	121 E	74	35
3 7	6 37.33	+28 43.7	1.945	2.490	21.7	21.1	112 E	74	35
3 17	6 42.60	+28 32.4	2.085	2.504	22.8	21.3	103 E	74	35
3 27	6 50.35	+28 17.3	2.229	2.518	23.3	21.4	95 E	73*	36
	319495 2006 QW_{59}								
12 27	7 25.47	+16 29.4	1.749	2.708	5.8	21.3	164 W	61	48
1 1	7 19.89	+16 34.9	1.742	2.715	3.7	21.2	170 W	62	47
1 6	7 14.14	+16 41.4	1.743	2.723	2.2	21.1	174 W	62	47
1 11	7 8.38	+16 48.8	1.751	2.730	2.5	21.2	173 E	62	47
1 16	7 2.77	+16 56.8	1.767	2.736	4.3	21.3	168 E	62	47
1 21	6 57.47	+17 5.1	1.790	2.743	6.4	21.4	162 E	62	47
1 26	6 52.61	+17 13.6	1.820	2.749	8.4	21.6	156 E	62	47
1 31	6 48.30	+17 22.1	1.857	2.755	10.3	21.7	150 E	62	47
2 5	6 44.62	+17 30.6	1.900	2.761	12.1	21.8	144 E	63	46
	289618 2005 GE_{32}								
12 27	7 25.90	+ 4 37.7	1.236	2.171	10.6	20.7	156 W	50	59
1 6	7 14.36	+ 4 58.6	1.201	2.159	7.9	20.5	162 W	50	59
1 16	7 2.23	+ 5 43.6	1.193	2.146	8.7	20.5	161 E	51	58
1 26	6 51.20	+ 6 48.1	1.211	2.133	12.3	20.7	152 E	52	57
2 5	6 42.71	+ 8 5.3	1.252	2.118	16.6	20.9	142 E	53	56
2 15	6 37.66	+ 9 28.0	1.312	2.104	20.5	21.1	132 E	54	55
2 25	6 36.45	+10 50.2	1.388	2.088	23.7	21.3	122 E	56	53
	435608 2008 SL_{66}								
12 27	7 26.10	+20 23.5	2.255	3.215	4.5	22.4	165 W	65	44
1 1	7 20.97	+20 32.4	2.243	3.219	2.6	22.3	171 W	66	43
1 6	7 15.68	+20 41.4	2.239	3.222	0.8	22.1	177 W	66	43
1 11	7 10.34	+20 50.1	2.244	3.225	1.4	22.2	175 E	66	43

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	435608 2008 SL_{66}							*(continuation)*	
	h m	° ′			°	m	°	°	°
1 16	7 5.10	+20 58.4	2.256	3.228	3.3	22.3	169 E	66	43
1 21	7 0.08	+21 6.1	2.276	3.230	5.1	22.5	163 E	66	43
1 26	6 55.38	+21 13.1	2.303	3.232	6.9	22.6	157 E	66	43
	387975 2005 LN_6								
12 27	7 26.50	+18 1.6	1.482	2.443	6.2	20.4	164 W	63	46
1 1	7 20.52	+18 40.6	1.487	2.463	3.7	20.3	171 W	64	45
1 6	7 14.42	+19 19.7	1.500	2.483	1.4	20.1	176 W	64	45
1 11	7 8.36	+19 58.0	1.521	2.502	2.1	20.2	175 E	65	44
1 16	7 2.54	+20 35.0	1.549	2.521	4.4	20.4	169 E	66	43
1 21	6 57.13	+21 10.1	1.584	2.540	6.7	20.6	162 E	66	43
1 26	6 52.28	+21 42.9	1.627	2.558	9.0	20.8	156 E	67	42
1 31	6 48.08	+22 13.2	1.676	2.577	11.0	21.0	150 E	67	42
2 5	6 44.62	+22 40.9	1.731	2.595	12.8	21.1	144 E	68	41
2 10	6 41.95	+23 6.0	1.791	2.613	14.5	21.3	138 E	68	41
2 15	6 40.08	+23 28.7	1.856	2.631	16.0	21.4	133 E	68	41
	327710 2006 SM_{77}								
12 27	7 27.06	−18 43.5	1.537	2.339	17.2	20.6	135 W	26	83
1 1	7 21.63	−19 2.9	1.537	2.354	16.5	20.6	137 W	26	83
1 6	7 16.04	−19 11.3	1.542	2.368	16.1	20.6	138 W	26	83
1 11	7 10.45	−19 8.4	1.552	2.382	15.8	20.6	139 E	26	83
1 16	7 5.06	−18 54.7	1.568	2.395	15.8	20.6	139 E	26	83
1 21	7 0.01	−18 31.0	1.589	2.409	16.0	20.7	138 E	26	83
1 26	6 55.45	−17 58.4	1.615	2.423	16.4	20.7	136 E	27	82
1 31	6 51.49	−17 18.1	1.646	2.436	16.9	20.8	134 E	28	81
2 5	6 48.20	−16 31.5	1.682	2.449	17.6	20.9	131 E	28	81
2 10	6 45.64	−15 39.9	1.722	2.462	18.3	21.0	129 E	29	80
2 15	6 43.85	−14 44.6	1.767	2.475	19.0	21.1	126 E	30	79
2 20	6 42.83	−13 47.0	1.815	2.487	19.6	21.2	122 E	31	78
2 25	6 42.57	−12 48.2	1.867	2.500	20.3	21.3	119 E	32	77
3 2	6 43.04	−11 49.3	1.922	2.512	20.9	21.3	115 E	33	76
3 7	6 44.21	−10 51.0	1.979	2.524	21.4	21.4	112 E	34	75
	159555 2001 SJ_{276}								
12 27	7 27.65	−31 22.8	1.074	1.810	27.0	21.3	123 W	14	85
1 1	7 20.25	−32 2.1	1.077	1.822	26.5	21.3	124 W	13	84
1 6	7 12.61	−32 22.7	1.083	1.834	26.0	21.3	125 W	13	84
1 11	7 5.00	−32 24.8	1.092	1.845	25.7	21.3	125 E	13	84
1 16	6 57.72	−32 8.7	1.105	1.856	25.6	21.3	125 E	13	84
1 21	6 51.03	−31 35.9	1.121	1.867	25.6	21.4	125 E	13	84
1 26	6 45.14	−30 48.1	1.140	1.877	25.8	21.4	124 E	14	85
1 31	6 40.20	−29 47.7	1.162	1.887	26.0	21.5	123 E	15	86
2 5	6 36.32	−28 36.8	1.187	1.897	26.4	21.6	121 E	16	87
	145963 1999 YC_7								
12 27	7 28.08	+45 27.2	1.390	2.316	10.6	19.0	154 W	90	19
1 1	7 19.85	+45 19.4	1.364	2.300	9.8	18.9	157 W	90	19
1 6	7 11.15	+45 2.2	1.344	2.283	9.5	18.9	157 W	90	19
1 11	7 2.33	+44 35.1	1.330	2.267	9.9	18.8	157 E	90	19
1 16	6 53.71	+43 58.2	1.324	2.250	11.0	18.9	154 E	89	20
1 21	6 45.64	+43 11.9	1.324	2.233	12.5	18.9	151 E	88	21
1 26	6 38.39	+42 17.7	1.330	2.217	14.3	19.0	146 E	87	22
1 31	6 32.18	+41 17.1	1.342	2.200	16.2	19.0	141 E	86	23
2 5	6 27.14	+40 11.8	1.359	2.183	18.1	19.1	137 E	85	24
2 10	6 23.33	+39 3.3	1.382	2.166	19.9	19.2	132 E	84	25
2 15	6 20.80	+37 53.3	1.408	2.149	21.7	19.3	127 E	83	26
2 20	6 19.51	+36 42.9	1.439	2.132	23.2	19.3	122 E	82	27
2 25	6 19.41	+35 33.0	1.472	2.115	24.6	19.4	117 E	81	28
3 2	6 20.41	+34 24.5	1.508	2.098	25.9	19.5	113 E	79	30
3 7	6 22.42	+33 17.4	1.546	2.081	27.0	19.5	108 E	78	31
3 12	6 25.37	+32 12.2	1.585	2.064	27.9	19.6	104 E	77	32
3 17	6 29.18	+31 8.6	1.626	2.047	28.6	19.7	100 E	76	33
3 22	6 33.75	+30 6.7	1.667	2.030	29.2	19.7	96 E	75*	34
3 27	6 39.02	+29 6.1	1.709	2.013	29.7	19.8	92 E	73*	35*
4 6	6 51.33	+27 8.0	1.791	1.979	30.3	19.9	85 E	68*	37*
4 16	7 5.63	+25 11.8	1.872	1.946	30.4	19.9	79 E	61*	38*
4 26	7 21.53	+23 14.9	1.950	1.914	30.2	20.0	73 E	54*	39*
5 6	7 38.68	+21 15.1	2.022	1.883	29.7	20.0	67 E	46*	40*
5 16	7 56.86	+19 10.3	2.090	1.852	28.9	20.0	62 E	39*	40*
5 26	8 15.85	+16 59.1	2.151	1.823	28.0	20.0	58 E	32*	41*
6 5	8 35.50	+14 40.3	2.207	1.795	26.9	20.0	53 E	25*	40*
6 15	8 55.70	+12 13.2	2.257	1.769	25.8	20.0	49 E	19*	39*
6 25	9 16.38	+ 9 37.4	2.301	1.745	24.5	20.0	45 E	13*	37*
7 5	9 37.50	+ 6 53.0	2.340	1.723	23.2	19.9	42 E	8*	35*
7 15	9 59.05	+ 4 0.2	2.374	1.703	21.9	19.9	39 E	4*	33*
7 25	10 21.04	+ 0 59.7	2.403	1.685	20.6	19.9	36 E	1*	30*
8 4	10 43.51	− 2 7.3	2.429	1.670	19.2	19.8	33 E	—	26*
8 14	11 6.53	− 5 19.7	2.453	1.658	17.9	19.8	30 E	—	23*
8 24	11 30.16	− 8 35.6	2.474	1.649	16.7	19.7	28 E	—	20*
9 3	11 54.51	−11 52.8	2.493	1.643	15.4	19.7	26 E	—	17*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	145963 1999 YC_7 *(continuation)*								
	h m	° ′			°	m	°	°	°
9 13	12 19.69	−15 9.0	2.512	1.640	14.2	19.7	24 E	—	15*
9 23	12 45.77	−18 21.2	2.531	1.640	13.0	19.7	22 E	—	12*
10 3	13 12.85	−21 26.3	2.550	1.643	11.9	19.6	20 E	—	10*
10 13	13 41.02	−24 20.8	2.569	1.650	10.8	19.6	18 E	—	8*
10 23	14 10.29	−27 1.3	2.589	1.659	9.8	19.6	16 E	—	6*
11 2	14 40.63	−29 24.2	2.610	1.672	8.9	19.6	15 E	—	4*
11 12	15 11.94	−31 26.4	2.631	1.687	8.1	19.6	14 E	—	2*
11 22	15 44.01	−33 5.0	2.652	1.705	7.5	19.6	13 W	—	2*
12 2	16 16.58	−34 18.1	2.672	1.725	7.3	19.7	13 W	—	3*
12 12	16 49.30	−35 4.7	2.691	1.747	7.5	19.7	13 W	—	5*
12 22	17 21.74	−35 24.6	2.706	1.772	8.0	19.8	15 W	—	7*
1 1	17 53.54	−35 19.0	2.719	1.798	9.0	19.9	17 W	—	10*
1 11	18 24.34	−34 49.7	2.727	1.826	10.1	19.9	19 W	—	12*
1 21	18 53.85	−33 59.2	2.730	1.855	11.5	20.0	22 W	—	16*
	526878 2007 FE								
12 27	7 28.08	+18 13.7	1.438	2.399	6.5	22.5	164 W	63	46
1 1	7 21.15	+18 37.0	1.409	2.384	3.9	22.3	171 W	64	45
1 6	7 13.75	+19 1.6	1.387	2.369	1.6	22.1	176 W	64	45
1 11	7 6.08	+19 26.8	1.372	2.353	2.5	22.1	174 E	64	45
1 16	6 58.36	+19 52.0	1.366	2.336	5.2	22.2	168 E	65	44
1 21	6 50.85	+20 16.5	1.367	2.319	8.0	22.4	161 E	65	44
1 26	6 43.76	+20 40.0	1.375	2.301	10.7	22.5	154 E	66	43
	470010 2006 QV_{130}								
12 27	7 29.42	+24 7.2	1.559	2.522	5.8	21.7	165 W	69	40
1 1	7 23.46	+24 33.4	1.558	2.535	3.4	21.6	171 W	70	39
1 6	7 17.30	+24 58.3	1.565	2.547	1.3	21.5	177 W	70	39
1 11	7 11.13	+25 21.2	1.579	2.559	2.1	21.6	175 E	70	39
1 16	7 5.14	+25 41.9	1.600	2.571	4.4	21.8	168 E	71	38
1 21	6 59.52	+25 59.9	1.629	2.583	6.7	21.9	162 E	71	38
1 26	6 54.42	+26 15.2	1.664	2.595	8.9	22.1	156 E	71	38
1 31	6 49.96	+26 27.9	1.706	2.606	10.9	22.2	150 E	71	38
2 5	6 46.23	+26 38.2	1.754	2.617	12.8	22.4	144 E	72	37
	510189 2011 CZ_4								
12 27	7 29.42	+44 57.6	1.722	2.644	9.2	21.6	155 W	90	19
1 1	7 21.36	+44 59.7	1.694	2.626	8.5	21.5	157 W	90	19
1 6	7 12.87	+44 54.1	1.673	2.609	8.3	21.5	158 W	90	19
1 11	7 4.22	+44 40.2	1.659	2.591	8.7	21.5	157 E	90	19
1 16	6 55.70	+44 18.0	1.653	2.573	9.6	21.5	154 E	89	20
1 21	6 47.58	+43 47.7	1.653	2.555	11.0	21.5	150 E	89	20
1 26	6 40.12	+43 10.2	1.660	2.536	12.6	21.6	146 E	88	21
1 31	6 33.51	+42 26.6	1.674	2.517	14.2	21.6	141 E	87	22
2 5	6 27.89	+41 38.3	1.693	2.498	15.9	21.7	136 E	87	22
	306811 2001 QV_{147}								
12 27	7 31.11	+15 21.3	2.744	3.693	4.7	20.6	162 W	60	49
1 6	7 22.28	+15 59.0	2.731	3.708	2.0	20.5	173 W	61	48
1 16	7 13.24	+16 39.5	2.750	3.723	2.6	20.5	170 E	62	47
1 26	7 4.77	+17 20.6	2.802	3.737	5.4	20.7	159 E	62	47
2 5	6 57.53	+18 0.2	2.882	3.750	8.2	20.9	147 E	63	46
2 15	6 51.98	+18 37.2	2.989	3.762	10.5	21.1	136 E	64	45
2 25	6 48.43	+19 10.7	3.117	3.774	12.4	21.3	125 E	64	45
3 7	6 46.96	+19 40.3	3.261	3.784	13.8	21.4	115 E	65	44
	48864 1998 HK_{43}								
12 27	7 31.86	+12 20.5	1.849	2.795	6.8	19.7	160 W	57	52
1 6	7 21.40	+12 38.5	1.808	2.780	3.7	19.5	170 W	58	51
1 16	7 10.38	+13 4.9	1.796	2.764	4.4	19.5	167 E	58	51
1 26	6 59.98	+13 37.4	1.814	2.748	8.0	19.7	157 E	59	50
2 5	6 51.28	+14 13.1	1.860	2.730	11.8	19.8	145 E	59	50
2 15	6 45.04	+14 49.9	1.928	2.711	15.1	20.0	134 E	60	49
2 25	6 41.69	+15 25.6	2.015	2.691	17.9	20.2	123 E	60	49
3 7	6 41.30	+15 58.6	2.115	2.670	19.9	20.4	113 E	61	48
3 17	6 43.75	+16 27.8	2.224	2.649	21.4	20.5	104 E	61	48
3 27	6 48.78	+16 52.1	2.336	2.626	22.2	20.6	95 E	62*	47
4 6	6 56.09	+17 10.5	2.450	2.603	22.6	20.7	87 E	59*	47*
4 16	7 5.37	+17 22.3	2.560	2.578	22.5	20.8	80 E	54*	46*
4 26	7 16.34	+17 26.7	2.666	2.553	22.1	20.8	73 E	48*	44*
5 6	7 28.73	+17 23.3	2.766	2.527	21.4	20.9	66 E	42*	43*
5 16	7 42.33	+17 11.6	2.858	2.500	20.4	20.9	59 E	35*	41*
5 26	7 56.94	+16 51.1	2.940	2.472	19.2	20.9	53 E	28*	38*
6 5	8 12.39	+16 21.7	3.012	2.444	17.8	20.9	47 E	22*	35*
6 15	8 28.55	+15 43.3	3.074	2.415	16.3	20.8	42 E	16*	32*
6 25	8 45.29	+14 55.9	3.125	2.385	14.7	20.8	36 E	11*	28*
7 5	9 2.54	+13 59.6	3.164	2.354	12.9	20.7	31 E	7*	24*
7 15	9 20.21	+12 54.6	3.192	2.323	11.1	20.6	26 E	4*	20*
7 25	9 38.25	+11 41.1	3.209	2.291	9.2	20.5	21 E	1*	15*
8 4	9 56.61	+10 19.7	3.214	2.258	7.2	20.4	16 E	—	10*
8 14	10 15.29	+ 8 50.7	3.209	2.225	5.2	20.3	12 E	—	6*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	48864 1998 HK_{43} *(continuation)*								
	h m	° ′			°	m	°	°	°
8 24	10 34.26	+ 7 14.7	3.192	2.192	3.2	20.1	7 E	—	1*
9 3	10 53.54	+ 5 32.5	3.166	2.158	1.2	19.9	3 E	—	—
9 13	11 13.15	+ 3 44.8	3.129	2.125	1.3	19.9	3 W	—	—
9 23	11 33.10	+ 1 52.4	3.083	2.090	3.3	20.0	7 W	—	—
10 3	11 53.45	− 0 3.7	3.029	2.056	5.4	20.0	11 W	4*	2*
10 13	12 14.23	− 2 2.3	2.966	2.022	7.6	20.0	16 W	8*	4*
10 23	12 35.50	− 4 2.2	2.896	1.988	9.7	20.0	20 W	12*	7*
11 2	12 57.33	− 6 2.1	2.820	1.955	11.9	20.0	24 W	15*	10*
11 12	13 19.77	− 8 0.3	2.737	1.922	14.0	20.0	28 W	19*	13*
11 22	13 42.86	− 9 55.0	2.651	1.889	16.2	20.0	32 W	21*	17*
12 2	14 6.68	−11 44.5	2.560	1.857	18.3	19.9	36 W	23*	21*
12 12	14 31.26	−13 26.6	2.466	1.827	20.3	19.9	40 W	24*	25*
12 22	14 56.59	−14 59.0	2.370	1.797	22.3	19.8	44 W	25*	30*
1 1	15 22.68	−16 19.6	2.273	1.769	24.3	19.8	48 W	25*	35*
1 11	15 49.47	−17 26.1	2.176	1.743	26.2	19.7	51 W	25*	39*
1 21	16 16.86	−18 16.4	2.080	1.718	28.0	19.6	55 W	24*	44*
	228368 2000 WK_{10}								
12 27	7 32.99	+40 16.3	1.295	2.236	9.6	21.4	158 W	85	24
1 1	7 20.57	+40 56.1	1.306	2.258	8.3	21.4	161 W	86	23
1 6	7 7.99	+41 24.4	1.326	2.279	8.0	21.5	161 W	86	23
1 11	6 55.71	+41 41.1	1.354	2.299	8.8	21.6	159 E	87	22
1 16	6 44.13	+41 46.7	1.389	2.318	10.4	21.7	155 E	87	22
1 21	6 33.59	+41 42.5	1.432	2.336	12.2	21.9	150 E	87	22
1 26	6 24.34	+41 30.4	1.482	2.353	14.1	22.0	144 E	87	22
1 31	6 16.50	+41 12.2	1.538	2.370	15.9	22.2	139 E	86	23
2 5	6 10.10	+40 49.9	1.599	2.385	17.5	22.3	133 E	86	23
	489541 2007 RL_{204}								
12 27	7 34.58	−36 30.9	0.873	1.591	33.1	19.0	118 W	8	79
1 1	7 33.15	−37 4.7	0.862	1.590	32.8	19.0	119 W	8	79
1 6	7 31.29	−37 19.2	0.853	1.591	32.4	18.9	120 W	8	79
1 11	7 29.19	−37 13.4	0.845	1.593	32.0	18.9	121 E	8	79
1 16	7 27.06	−36 46.7	0.839	1.596	31.5	18.9	122 E	8	79
1 21	7 25.15	−35 59.1	0.835	1.600	31.1	18.9	123 E	9	80
1 26	7 23.65	−34 51.4	0.832	1.605	30.6	18.8	124 E	10	81
1 31	7 22.75	−33 24.5	0.832	1.611	30.2	18.8	125 E	12	83
2 5	7 22.57	−31 40.1	0.834	1.618	29.8	18.8	125 E	13	84
2 10	7 23.22	−29 40.2	0.839	1.627	29.5	18.9	126 E	15	86
2 15	7 24.78	−27 27.1	0.848	1.636	29.3	18.9	126 E	18	89
2 20	7 27.28	−25 3.9	0.859	1.646	29.1	18.9	126 E	20	89
2 25	7 30.71	−22 33.7	0.875	1.658	29.1	19.0	125 E	22	87
3 2	7 35.02	−19 59.7	0.894	1.670	29.2	19.0	125 E	25	84
3 7	7 40.15	−17 24.7	0.918	1.683	29.5	19.1	123 E	28	81
3 12	7 46.05	−14 51.6	0.945	1.696	29.8	19.2	122 E	30	79
3 17	7 52.64	−12 23.0	0.977	1.711	30.1	19.3	120 E	33	76
3 22	7 59.87	−10 0.9	1.014	1.726	30.5	19.4	118 E	35	74
3 27	8 7.63	− 7 47.1	1.054	1.742	30.9	19.5	116 E	37	72
4 1	8 15.85	− 5 42.8	1.098	1.759	31.3	19.7	114 E	39	70
4 6	8 24.46	− 3 48.6	1.146	1.776	31.6	19.8	112 E	41	68
4 16	8 42.60	− 0 32.3	1.252	1.813	32.1	20.0	106 E	44*	65
4 26	9 1.61	+ 2 1.4	1.370	1.851	32.2	20.3	101 E	46*	62
5 6	9 21.08	+ 3 55.6	1.499	1.891	32.1	20.5	96 E	46*	60
5 16	9 40.76	+ 5 14.7	1.636	1.932	31.6	20.7	91 E	44*	59
5 26	10 0.44	+ 6 3.4	1.778	1.975	30.8	20.9	85 E	40*	58
6 5	10 19.96	+ 6 26.8	1.925	2.018	29.7	21.1	80 E	36*	57*
6 15	10 39.26	+ 6 29.1	2.075	2.062	28.4	21.3	75 E	32*	56*
6 25	10 58.29	+ 6 14.2	2.225	2.107	27.0	21.5	70 E	28*	55*
	162168 1999 GT_6								
12 27	7 34.77	+16 28.0	3.491	4.436	3.9	23.5	162 W	61	48
1 6	7 26.67	+16 42.7	3.454	4.431	1.6	23.3	173 W	62	47
1 16	7 18.28	+16 59.5	3.449	4.424	1.9	23.4	171 E	62	47
1 26	7 10.21	+17 17.0	3.478	4.417	4.3	23.5	160 E	62	47
2 5	7 3.00	+17 34.4	3.537	4.409	6.7	23.7	149 E	63	46
	122106 2000 HC_{86}								
12 27	7 34.82	+23 56.9	2.073	3.029	5.2	20.5	164 W	69	40
1 1	7 29.60	+24 18.2	2.064	3.037	3.3	20.4	170 W	69	40
1 6	7 24.17	+24 38.7	2.064	3.045	1.4	20.3	176 W	70	39
1 11	7 18.66	+24 58.0	2.071	3.053	1.3	20.3	176 E	70	39
1 16	7 13.22	+25 15.7	2.086	3.060	3.1	20.4	170 E	70	39
1 21	7 8.00	+25 31.5	2.109	3.067	5.0	20.6	164 E	71	38
1 26	7 3.11	+25 45.3	2.139	3.074	6.9	20.7	158 E	71	38
1 31	6 58.68	+25 57.1	2.176	3.081	8.6	20.8	152 E	71	38
2 5	6 54.77	+26 6.9	2.220	3.087	10.3	20.9	146 E	71	38
2 10	6 51.48	+26 14.9	2.270	3.094	11.8	21.0	140 E	71	38
2 15	6 48.83	+26 21.2	2.325	3.100	13.1	21.2	135 E	71	38
2 20	6 46.87	+26 25.9	2.385	3.105	14.3	21.3	129 E	71	38
2 25	6 45.60	+26 29.4	2.449	3.111	15.3	21.4	124 E	71	38
3 2	6 45.00	+26 31.6	2.517	3.116	16.2	21.4	119 E	72	37

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
543013 2013 RE_1									
12 27	7 34.87	+18 23.3	1.668	2.623	6.4	22.5	163 W	63	46
1 1	7 29.22	+18 35.5	1.658	2.629	4.1	22.4	169 W	64	45
1 6	7 23.33	+18 48.5	1.654	2.635	1.9	22.2	175 W	64	45
1 11	7 17.35	+19 1.7	1.659	2.641	1.5	22.2	176 E	64	45
1 16	7 11.46	+19 14.8	1.671	2.646	3.5	22.4	171 E	64	45
1 21	7 5.84	+19 27.6	1.690	2.651	5.7	22.5	164 E	64	45
1 26	7 0.63	+19 39.7	1.716	2.655	7.9	22.7	158 E	65	44
513165 2004 CK_{39}									
12 27	7 35.33	+38 16.0	2.300	3.236	6.4	23.7	159 W	83	26
1 1	7 27.58	+38 38.7	2.257	3.206	5.4	23.6	162 W	84	25
1 6	7 19.31	+38 57.0	2.222	3.176	5.1	23.6	163 W	84	25
1 11	7 10.69	+39 10.3	2.195	3.146	5.5	23.5	162 E	84	25
1 16	7 1.93	+39 18.0	2.177	3.115	6.5	23.6	159 E	84	25
1 21	6 53.24	+39 19.7	2.167	3.083	8.0	23.6	154 E	84	25
1 26	6 44.83	+39 15.7	2.165	3.051	9.6	23.6	149 E	84	25
75567 2000 AK_1									
12 27	7 36.90	−10 16.5	0.925	1.804	19.7	17.3	142 W	35	74
1 1	7 31.76	− 9 0.2	0.923	1.824	17.5	17.3	146 W	36	73
1 6	7 26.38	− 7 31.2	0.927	1.843	15.7	17.2	150 W	37	72
1 11	7 20.97	− 5 51.2	0.936	1.863	14.2	17.2	152 E	39	70
1 16	7 15.78	− 4 2.6	0.951	1.883	13.5	17.2	154 E	41	68
1 21	7 11.04	− 2 8.1	0.972	1.903	13.4	17.3	153 E	43	66
1 26	7 6.93	− 0 10.8	1.000	1.924	14.1	17.4	152 E	45	64
1 31	7 3.57	+ 1 46.7	1.034	1.944	15.3	17.6	149 E	47	62
2 5	7 1.06	+ 3 41.8	1.074	1.965	16.7	17.7	145 E	49	60
2 10	6 59.44	+ 5 32.7	1.120	1.986	18.3	17.9	141 E	51	58
2 15	6 58.75	+ 7 17.9	1.170	2.006	19.8	18.0	137 E	52	57
2 20	6 58.97	+ 8 56.4	1.226	2.027	21.2	18.2	132 E	54	55
2 25	7 0.07	+10 27.6	1.286	2.048	22.5	18.4	128 E	55	54
3 7	7 4.67	+13 7.3	1.417	2.089	24.5	18.7	119 E	58	51
3 17	7 12.08	+15 17.4	1.560	2.130	25.9	19.0	111 E	60	49
3 27	7 21.84	+17 0.0	1.712	2.171	26.6	19.3	103 E	62	47
4 6	7 33.44	+18 18.0	1.870	2.211	26.7	19.5	96 E	63*	46
4 16	7 46.49	+19 14.2	2.031	2.251	26.5	19.7	89 E	61*	45
4 26	8 0.66	+19 51.1	2.193	2.291	25.8	19.9	83 E	57*	44*
5 6	8 15.63	+20 10.9	2.355	2.329	24.9	20.0	76 E	52*	43*
5 16	8 31.19	+20 15.8	2.513	2.367	23.7	20.2	70 E	46*	42*
5 26	8 47.14	+20 7.6	2.668	2.405	22.3	20.3	64 E	39*	41*
6 5	9 3.34	+19 47.8	2.817	2.441	20.7	20.4	58 E	33*	39*
6 15	9 19.68	+19 18.0	2.959	2.477	19.0	20.5	53 E	28*	37*
6 25	9 36.05	+18 39.5	3.092	2.511	17.2	20.6	47 E	23*	34*
7 5	9 52.40	+17 53.6	3.216	2.545	15.3	20.6	41 E	19*	30*
7 15	10 8.68	+17 1.5	3.330	2.578	13.4	20.6	36 E	15*	26*
7 25	10 24.85	+16 4.4	3.433	2.610	11.4	20.7	31 E	12*	22*
8 4	10 40.89	+15 3.3	3.523	2.641	9.4	20.7	25 E	9*	17*
8 14	10 56.79	+13 59.2	3.600	2.671	7.5	20.7	20 E	7*	12*
8 24	11 12.53	+12 53.3	3.663	2.700	5.6	20.6	15 E	6*	7*
9 3	11 28.10	+11 46.5	3.712	2.728	4.0	20.6	11 E	4*	1*
9 13	11 43.51	+10 39.8	3.747	2.755	3.0	20.6	8 E	2*	—
9 23	11 58.73	+ 9 34.2	3.765	2.781	3.4	20.6	10 W	1*	—
10 3	12 13.76	+ 8 30.8	3.769	2.806	4.8	20.7	14 W	7*	—
10 13	12 28.58	+ 7 30.6	3.757	2.829	6.5	20.8	19 W	12*	—
10 23	12 43.16	+ 6 34.8	3.729	2.852	8.3	20.9	24 W	18*	1*
11 2	12 57.46	+ 5 44.3	3.686	2.874	10.1	21.0	30 W	24*	5*
11 12	13 11.44	+ 5 0.3	3.628	2.895	11.8	21.0	37 W	30*	10*
11 22	13 25.03	+ 4 24.2	3.556	2.914	13.4	21.1	43 W	35*	15*
12 2	13 38.14	+ 3 57.0	3.471	2.933	14.9	21.1	50 W	40*	20*
12 12	13 50.68	+ 3 40.0	3.374	2.951	16.2	21.1	57 W	44*	26*
12 22	14 2.52	+ 3 34.5	3.267	2.967	17.3	21.0	64 W	47*	33*
1 1	14 13.50	+ 3 41.7	3.151	2.982	18.2	21.0	71 W	48*	40*
1 11	14 23.46	+ 4 2.8	3.028	2.997	18.8	20.9	79 W	49	46*
1 21	14 32.17	+ 4 38.8	2.902	3.010	19.0	20.9	87 W	50	52*
375129 2007 VM_{250}									
12 27	7 37.28	+23 56.2	1.490	2.448	6.7	21.6	163 W	69	40
1 1	7 31.09	+23 59.1	1.484	2.458	4.2	21.5	170 W	69	40
1 6	7 24.65	+24 0.9	1.486	2.467	1.7	21.3	176 W	69	40
1 11	7 18.17	+24 1.3	1.494	2.477	1.3	21.3	177 E	69	40
1 16	7 11.84	+24 0.1	1.510	2.486	3.8	21.5	170 E	69	40
1 21	7 5.87	+23 57.3	1.534	2.495	6.2	21.7	164 E	69	40
1 26	7 0.42	+23 52.9	1.564	2.503	8.5	21.9	158 E	69	40
1 31	6 55.63	+23 47.2	1.601	2.512	10.7	22.0	152 E	69	40
2 5	6 51.59	+23 40.4	1.644	2.520	12.7	22.1	146 E	69	40
482039 2009 WH_{78}									
12 27	7 37.45	+27 23.4	1.427	2.384	7.0	20.9	163 W	72	37
1 1	7 31.35	+27 39.5	1.428	2.400	4.6	20.8	169 W	73	36
1 6	7 25.04	+27 53.3	1.437	2.416	2.7	20.7	173 W	73	36
1 11	7 18.71	+28 4.2	1.453	2.432	2.7	20.7	173 E	73	36

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
482039 2009 WH_{78} *(continuation)*									
1 16	7 12.58	+28 12.0	1.476	2.448	4.5	20.9	169 E	73	36
1 21	7 6.85	+28 16.6	1.506	2.464	6.7	21.1	163 E	73	36
1 26	7 1.69	+28 18.2	1.543	2.479	8.9	21.2	157 E	73	36
1 31	6 57.23	+28 17.1	1.586	2.494	11.0	21.4	151 E	73	36
2 5	6 53.54	+28 13.7	1.635	2.509	12.9	21.5	145 E	73	36
1293 Sonja									
12 27	7 37.70	+14 48.2	1.560	2.509	7.5	17.0	161 W	60	49
1 6	7 26.17	+14 57.0	1.557	2.533	3.4	16.8	171 W	60	49
1 16	7 14.45	+15 11.8	1.583	2.557	4.0	16.9	170 E	60	49
1 26	7 3.93	+15 30.1	1.639	2.580	8.1	17.2	158 E	61	48
2 5	6 55.64	+15 49.9	1.721	2.602	12.0	17.5	147 E	61	48
2 15	6 50.22	+16 9.6	1.825	2.623	15.3	17.7	135 E	61	48
2 25	6 47.90	+16 27.9	1.948	2.643	17.9	18.0	125 E	61	48
3 7	6 48.53	+16 43.8	2.084	2.662	19.7	18.2	115 E	62	47
3 17	6 51.84	+16 56.2	2.229	2.680	20.9	18.4	106 E	62	47
3 27	6 57.49	+17 4.4	2.380	2.698	21.5	18.6	98 E	62*	47
4 6	7 5.10	+17 7.5	2.532	2.714	21.6	18.7	89 E	60*	47*
4 16	7 14.33	+17 5.0	2.683	2.729	21.3	18.9	82 E	55*	46*
4 26	7 24.90	+16 56.3	2.832	2.744	20.7	19.0	75 E	49*	45*
5 6	7 36.52	+16 41.2	2.975	2.757	19.8	19.1	68 E	43*	44*
5 16	7 48.99	+16 19.3	3.111	2.770	18.7	19.1	61 E	36*	42*
5 26	8 2.13	+15 50.6	3.239	2.781	17.3	19.2	55 E	29*	40*
6 5	8 15.76	+15 15.2	3.357	2.791	15.8	19.2	49 E	22*	37*
6 15	8 29.78	+14 33.1	3.464	2.801	14.2	19.2	43 E	16*	33*
6 25	8 44.07	+13 44.6	3.560	2.809	12.4	19.2	37 E	10*	29*
7 5	8 58.53	+12 50.0	3.643	2.817	10.6	19.2	31 E	6*	24*
7 15	9 13.10	+11 49.6	3.712	2.823	8.7	19.2	25 E	2*	19*
7 25	9 27.72	+10 43.8	3.768	2.829	6.8	19.1	19 E	—	13*
8 4	9 42.34	+ 9 33.2	3.809	2.833	4.9	19.1	14 E	—	8*
8 14	9 56.92	+ 8 18.1	3.835	2.837	3.0	19.0	8 E	—	2*
8 24	10 11.41	+ 6 59.2	3.846	2.839	1.5	18.9	4 E	—	—
9 3	10 25.80	+ 5 36.9	3.842	2.840	2.1	18.9	6 W	—	—
9 13	10 40.06	+ 4 11.9	3.823	2.841	3.8	19.0	11 W	2*	4*
9 23	10 54.14	+ 2 44.9	3.788	2.840	5.8	19.1	17 W	7*	7*
10 3	11 8.03	+ 1 16.4	3.737	2.839	7.7	19.2	22 W	13*	11*
10 13	11 21.68	− 0 12.9	3.672	2.836	9.7	19.2	29 W	18*	15*
10 23	11 35.05	− 1 42.2	3.592	2.832	11.6	19.2	35 W	24*	20*
11 2	11 48.08	− 3 10.7	3.499	2.828	13.3	19.3	41 W	28*	24*
11 12	12 0.72	− 4 37.7	3.393	2.822	15.0	19.2	48 W	32*	30*
11 22	12 12.85	− 6 2.3	3.274	2.816	16.6	19.2	54 W	35*	35*
12 2	12 24.39	− 7 23.6	3.145	2.808	17.9	19.2	61 W	36*	42*
12 12	12 35.20	− 8 40.6	3.007	2.799	19.1	19.1	68 W	36*	49*
12 22	12 45.10	− 9 52.2	2.862	2.790	20.0	19.0	76 W	35	57*
1 1	12 53.90	−10 57.2	2.711	2.779	20.6	18.9	84 W	34	64*
1 11	13 1.36	−11 54.4	2.558	2.767	20.8	18.8	92 W	33	72*
1 21	13 7.19	−12 42.0	2.404	2.755	20.6	18.6	100 W	32	77*
377973 2006 NF									
12 27	7 38.11	+18 17.5	1.795	2.746	6.4	21.6	162 W	63	46
1 1	7 32.84	+18 41.2	1.774	2.744	4.2	21.4	168 W	64	45
1 6	7 27.25	+19 6.1	1.760	2.741	2.0	21.3	174 W	64	45
1 11	7 21.48	+19 31.4	1.755	2.737	1.1	21.2	177 E	65	44
1 16	7 15.70	+19 56.6	1.757	2.734	3.0	21.3	172 E	65	44
1 21	7 10.08	+20 21.3	1.766	2.730	5.2	21.4	165 E	65	44
1 26	7 4.77	+20 45.1	1.783	2.726	7.4	21.6	159 E	66	43
1 31	6 59.91	+21 7.7	1.807	2.722	9.5	21.7	153 E	66	43
2 5	6 55.60	+21 28.8	1.838	2.717	11.5	21.8	147 E	66	43
6847 Kunz–Hallstein									
12 27	7 39.32	+65 39.8	0.794	1.649	24.5	16.0	136 W	69	—
1 1	7 33.25	+67 18.4	0.800	1.649	24.9	16.1	135 W	68	—
1 6	7 25.63	+68 36.7	0.809	1.650	25.5	16.1	134 W	66	—
1 11	7 17.06	+69 33.4	0.822	1.652	26.1	16.2	132 E	65	—
1 16	7 8.40	+70 8.2	0.838	1.655	26.9	16.2	130 E	65	—
1 18	7 5.13	+70 16.2	0.845	1.656	27.2	16.2	130 E	65	—
1 20	7 2.06	+70 21.0	0.852	1.657	27.5	16.3	129 E	65	—
1 22	6 59.23	+70 22.6	0.860	1.659	27.9	16.3	128 E	65	—
1 24	6 56.70	+70 21.4	0.868	1.660	28.2	16.3	127 E	65	—
1 26	6 54.50	+70 17.3	0.877	1.662	28.5	16.4	126 E	65	—
1 28	6 52.65	+70 10.7	0.886	1.664	28.8	16.4	126 E	65	—
1 30	6 51.17	+70 1.6	0.895	1.666	29.1	16.4	125 E	65	—
2 1	6 50.08	+69 50.1	0.905	1.668	29.4	16.5	124 E	65	—
2 3	6 49.39	+69 36.5	0.915	1.670	29.7	16.5	123 E	65	—
2 5	6 49.08	+69 20.9	0.925	1.672	30.0	16.5	122 E	66	—
2 10	6 50.00	+68 33.9	0.952	1.679	30.6	16.6	120 E	66	—
2 15	6 53.17	+67 36.8	0.981	1.686	31.2	16.7	118 E	67	—
2 20	6 58.30	+66 31.3	1.012	1.693	31.7	16.8	116 E	68	—
2 25	7 5.07	+65 18.6	1.044	1.702	32.2	16.9	114 E	70	—
3 2	7 13.11	+63 59.7	1.077	1.711	32.6	17.0	112 E	71	—

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
6847 Kunz–Hallstein *(continuation)*									
3 7	7 22.13	+62 35.1	1.113	1.720	32.9	17.1	109 E	72	1
3 12	7 31.88	+61 5.4	1.149	1.730	33.2	17.2	107 E	74	3
3 17	7 42.16	+59 31.3	1.188	1.741	33.4	17.3	105 E	75	4
3 22	7 52.80	+57 53.3	1.228	1.752	33.6	17.4	104 E	77	6
3 27	8 3.63	+56 11.9	1.269	1.764	33.6	17.5	102 E	79	8
4 1	8 14.55	+54 27.5	1.312	1.777	33.7	17.5	100 E	81	10
4 6	8 25.47	+52 40.6	1.356	1.789	33.7	17.6	98 E	82	11
4 11	8 36.34	+50 51.6	1.402	1.802	33.6	17.7	96 E	84	13
4 16	8 47.12	+49 0.9	1.450	1.816	33.5	17.8	94 E	86*	15
4 21	8 57.77	+47 9.0	1.498	1.830	33.3	17.9	92 E	86*	17
4 26	9 8.27	+45 16.2	1.549	1.844	33.1	18.0	90 E	83*	19
5 1	9 18.60	+43 23.0	1.601	1.859	32.8	18.0	88 E	80*	21
5 6	9 28.76	+41 29.5	1.654	1.874	32.5	18.1	86 E	77*	23
5 11	9 38.75	+39 36.0	1.708	1.889	32.1	18.2	84 E	73*	24
5 16	9 48.58	+37 42.9	1.764	1.905	31.7	18.3	82 E	70*	26
5 21	9 58.25	+35 50.4	1.821	1.920	31.2	18.4	80 E	66*	28
5 26	10 7.76	+33 58.6	1.879	1.936	30.7	18.4	78 E	62*	30
6 5	10 26.33	+30 18.0	1.997	1.969	29.6	18.6	74 E	55*	34*
6 15	10 44.37	+26 42.1	2.118	2.002	28.4	18.7	69 E	47*	37*
6 25	11 1.96	+23 11.7	2.241	2.036	26.9	18.8	65 E	41*	39*
7 5	11 19.16	+19 47.4	2.365	2.069	25.4	18.9	61 E	35*	40*
7 15	11 36.05	+16 29.3	2.488	2.104	23.7	19.0	56 E	30*	40*
7 25	11 52.69	+13 17.7	2.610	2.138	22.0	19.1	52 E	25*	39*
8 4	12 9.14	+10 12.7	2.728	2.172	20.1	19.2	47 E	22*	37*
8 14	12 25.44	+ 7 14.2	2.842	2.206	18.1	19.2	43 E	18*	34*
8 24	12 41.66	+ 4 22.4	2.951	2.240	16.1	19.3	38 E	15*	30*
9 3	12 57.82	+ 1 37.2	3.052	2.273	14.0	19.3	33 E	12*	26*
9 13	13 13.96	− 1 1.4	3.146	2.306	11.8	19.3	28 E	10*	21*
9 23	13 30.12	− 3 33.4	3.230	2.339	9.6	19.3	23 E	7*	16*
10 3	13 46.30	− 5 58.6	3.305	2.371	7.4	19.3	18 E	5*	11*
10 13	14 2.53	− 8 17.1	3.367	2.403	5.1	19.3	12 E	2*	5*
10 23	14 18.80	−10 28.7	3.418	2.434	2.9	19.2	7 E	—	—
11 2	14 35.12	−12 33.6	3.455	2.464	1.1	19.1	3 E	—	—
11 12	14 51.46	−14 31.6	3.478	2.494	2.0	19.2	5 W	—	—
11 22	15 7.79	−16 22.7	3.487	2.523	4.1	19.4	11 W	3*	1*
12 2	15 24.07	−18 7.1	3.482	2.551	6.3	19.5	16 W	7*	6*
12 12	15 40.25	−19 45.0	3.461	2.579	8.4	19.6	22 W	11*	12*
12 22	15 56.24	−21 16.6	3.425	2.606	10.4	19.7	29 W	13*	19*
1 1	16 11.98	−22 42.3	3.375	2.631	12.4	19.8	35 W	15*	26*
1 11	16 27.34	−24 2.9	3.311	2.657	14.2	19.8	42 W	15*	33*
1 21	16 42.19	−25 18.9	3.234	2.681	15.9	19.9	48 W	16*	41*
259353 2003 GT_{41}									
12 27	7 39.44	+22 49.9	2.016	2.969	5.7	21.5	163 W	68	41
1 1	7 33.91	+23 14.9	2.002	2.973	3.6	21.4	169 W	68	41
1 6	7 28.12	+23 39.5	1.995	2.976	1.6	21.3	175 W	69	40
1 11	7 22.19	+24 3.1	1.997	2.979	0.9	21.2	177 E	69	40
1 16	7 16.28	+24 25.2	2.006	2.982	2.9	21.4	171 E	69	40
1 21	7 10.56	+24 45.5	2.023	2.985	4.9	21.5	165 E	70	39
1 26	7 5.15	+25 3.8	2.048	2.987	6.9	21.6	159 E	70	39
1 31	7 0.19	+25 19.9	2.080	2.989	8.8	21.8	152 E	70	39
2 5	6 55.77	+25 33.9	2.119	2.990	10.5	21.9	146 E	71	38
52761 1998 MN_{14}									
12 27	7 40.42	+ 2 39.1	0.869	1.799	14.8	19.6	152 W	48	61
1 1	7 32.35	+ 1 21.2	0.847	1.789	13.2	19.5	156 W	46	63
1 6	7 23.58	+ 0 9.2	0.831	1.779	12.3	19.4	157 W	45	64
1 11	7 14.41	− 0 54.9	0.821	1.768	12.6	19.4	157 E	44	65
1 16	7 5.19	− 1 49.6	0.817	1.757	13.9	19.4	155 E	43	66
1 21	6 56.29	− 2 33.9	0.820	1.746	16.0	19.4	151 E	42	67
1 26	6 48.03	− 3 7.6	0.828	1.734	18.5	19.5	146 E	42	67
2 5	6 34.47	− 3 44.5	0.859	1.710	23.7	19.7	136 E	41	68
2 15	6 25.87	− 3 47.6	0.904	1.684	28.4	20.0	126 E	41	68
2 25	6 22.63	− 3 27.6	0.958	1.657	32.3	20.2	117 E	42	67
3 2	6 22.93	− 3 12.3	0.988	1.643	33.9	20.3	112 E	42	67
3 7	6 24.41	− 2 54.9	1.017	1.629	35.3	20.3	108 E	42	67
3 12	6 27.01	− 2 36.4	1.047	1.614	36.6	20.4	105 E	42	67
3 17	6 30.65	− 2 17.5	1.077	1.599	37.6	20.5	101 E	43	66
3 27	6 40.73	− 1 41.5	1.135	1.569	39.3	20.6	95 E	43*	66*
4 6	6 54.07	− 1 11.4	1.189	1.538	40.6	20.7	89 E	42*	65*
4 16	7 10.23	− 0 49.8	1.238	1.507	41.5	20.8	84 E	39*	64*
4 26	7 28.85	− 0 39.4	1.282	1.475	42.1	20.8	79 E	35*	62*
5 6	7 49.62	− 0 41.4	1.319	1.443	42.5	20.9	75 E	31*	61*
5 16	8 12.34	− 0 56.8	1.351	1.412	42.9	20.9	72 E	26*	60*
5 26	8 36.84	− 1 26.1	1.377	1.381	43.1	20.9	69 E	22*	59*
6 5	9 2.96	− 2 9.1	1.398	1.352	43.3	20.9	66 E	18*	58*
6 15	9 30.63	− 3 5.1	1.415	1.324	43.4	20.8	64 E	14*	56*
6 25	9 59.74	− 4 13.1	1.430	1.298	43.4	20.8	61 E	11*	55*
7 5	10 30.20	− 5 30.7	1.442	1.274	43.4	20.8	59 E	9*	53*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
52761 1998 MN_{14} *(continuation)*									
7 15	11 1.97	− 6 55.6	1.454	1.253	43.3	20.8	58 E	7*	52*
7 25	11 34.93	− 8 24.6	1.467	1.236	43.1	20.8	56 E	7*	50*
8 4	12 8.99	− 9 53.9	1.481	1.222	42.8	20.7	55 E	7*	49*
8 14	12 44.02	−11 19.7	1.497	1.212	42.3	20.7	54 E	8*	48*
8 24	13 19.87	−12 37.9	1.517	1.207	41.6	20.7	53 E	9*	47*
9 3	13 56.34	−13 44.8	1.541	1.207	40.8	20.8	51 E	11*	45*
9 13	14 33.23	−14 37.2	1.570	1.210	39.9	20.8	50 E	12*	44*
9 23	15 10.31	−15 12.4	1.602	1.219	38.8	20.8	49 E	14*	43*
10 3	15 47.34	−15 28.7	1.640	1.231	37.5	20.8	49 E	16*	42*
10 13	16 24.11	−15 25.1	1.681	1.248	36.1	20.9	48 E	18*	40*
10 23	17 0.39	−15 1.3	1.727	1.268	34.7	20.9	46 E	20*	38*
11 2	17 36.01	−14 17.6	1.778	1.290	33.2	21.0	45 E	22*	35*
11 12	18 10.83	−13 15.1	1.832	1.316	31.6	21.1	44 E	24*	32*
11 22	18 44.73	−11 55.1	1.890	1.343	29.9	21.1	43 E	25*	29*
12 2	19 17.64	−10 19.4	1.951	1.373	28.3	21.2	41 E	26*	25*
12 12	19 49.53	− 8 30.0	2.014	1.403	26.5	21.3	40 E	27*	21*
12 22	20 20.40	− 6 29.1	2.080	1.434	24.8	21.3	38 E	28*	17*
1 1	20 50.27	− 4 18.9	2.148	1.466	23.0	21.4	36 E	27*	13*
1 11	21 19.22	− 2 1.5	2.216	1.498	21.2	21.4	33 E	26*	9*
1 21	21 47.29	+ 0 20.7	2.285	1.529	19.4	21.5	31 E	25*	6*
221963 1995 SY_{35}									
12 27	7 40.84	+12 12.1	1.707	2.647	7.8	21.8	159 W	57	52
1 6	7 30.21	+12 38.3	1.698	2.669	4.1	21.7	169 W	58	51
1 16	7 19.23	+13 12.8	1.718	2.690	4.0	21.7	169 E	58	51
1 26	7 9.14	+13 52.1	1.768	2.711	7.4	21.9	159 E	59	50
2 5	7 0.96	+14 32.9	1.844	2.730	11.1	22.2	148 E	60	49
376721 1997 GR_{30}									
12 27	7 41.18	+13 55.7	1.736	2.679	7.4	21.9	159 W	59	50
1 6	7 30.23	+14 15.3	1.701	2.675	3.6	21.6	170 W	59	50
1 16	7 18.59	+14 41.8	1.695	2.669	3.7	21.6	170 E	60	49
1 26	7 7.56	+15 12.5	1.719	2.662	7.5	21.8	159 E	60	49
2 5	6 58.29	+15 44.6	1.770	2.654	11.6	22.1	147 E	61	48
370702 2004 NC_9									
12 27	7 41.20	+49 38.0	2.109	2.999	9.5	22.0	150 W	85	14
1 1	7 33.34	+49 51.9	2.071	2.973	9.1	22.0	152 W	85	14
1 6	7 24.91	+49 58.6	2.040	2.947	8.9	21.9	152 W	85	14
1 11	7 16.13	+49 57.4	2.017	2.920	9.2	21.9	152 E	85	14
1 16	7 7.28	+49 47.6	2.000	2.894	9.8	21.9	150 E	85	14
1 21	6 58.64	+49 29.3	1.990	2.866	10.8	21.9	147 E	86	15
1 26	6 50.46	+49 2.8	1.988	2.839	11.9	21.9	143 E	86	15
1 31	6 42.97	+48 28.8	1.991	2.811	13.2	21.9	139 E	87	16
2 5	6 36.34	+47 48.5	2.001	2.783	14.6	21.9	135 E	87	16
204914 2008 SQ_{35}									
12 27	7 41.38	+41 26.8	1.952	2.877	8.1	20.3	156 W	86	23
1 1	7 34.87	+41 45.0	1.951	2.889	7.1	20.3	159 W	87	22
1 6	7 28.09	+41 57.9	1.957	2.901	6.6	20.3	160 W	87	22
1 11	7 21.25	+42 4.8	1.970	2.913	6.7	20.3	160 E	87	22
1 16	7 14.54	+42 5.8	1.991	2.924	7.4	20.4	158 E	87	22
1 21	7 8.17	+42 0.9	2.019	2.936	8.4	20.4	154 E	87	22
1 26	7 2.31	+41 50.7	2.053	2.947	9.6	20.5	150 E	87	22
1 31	6 57.09	+41 35.7	2.094	2.957	10.9	20.6	145 E	87	22
2 5	6 52.61	+41 16.8	2.141	2.968	12.2	20.7	140 E	86	23
2 10	6 48.94	+40 54.6	2.193	2.978	13.4	20.9	135 E	86	23
2 15	6 46.12	+40 29.9	2.251	2.989	14.5	21.0	131 E	85	24
2 20	6 44.15	+40 3.5	2.313	2.999	15.5	21.1	126 E	85	24
2 25	6 43.02	+39 35.8	2.378	3.008	16.4	21.2	121 E	85	24
3 2	6 42.70	+39 7.5	2.447	3.018	17.1	21.2	116 E	84	25
3 7	6 43.14	+38 38.8	2.519	3.027	17.8	21.3	112 E	84	25
3 12	6 44.29	+38 10.0	2.593	3.036	18.2	21.4	107 E	83	26
306381 1993 RR_2									
12 27	7 41.39	+10 18.2	2.652	3.580	6.1	21.2	157 W	55	54
1 6	7 32.41	+10 45.7	2.642	3.606	3.6	21.0	167 W	56	53
1 16	7 23.17	+11 20.0	2.663	3.632	3.2	21.0	168 E	56	53
1 26	7 14.44	+11 58.7	2.716	3.656	5.3	21.2	160 E	57	52
2 5	7 6.90	+12 39.5	2.799	3.680	7.9	21.4	149 E	58	51
474156 1998 XQ_{16}									
12 27	7 41.45	+40 13.3	0.393	1.353	16.9	17.6	156 W	85	24
1 1	7 41.34	+38 51.1	0.383	1.350	14.3	17.5	160 W	84	25
1 6	7 40.42	+37 14.4	0.376	1.349	11.8	17.3	164 W	82	27
1 11	7 39.03	+35 24.7	0.374	1.349	10.0	17.3	166 W	80	29
1 16	7 37.55	+33 24.2	0.375	1.352	9.3	17.2	167 E	78	31
1 21	7 36.36	+31 16.6	0.380	1.356	10.0	17.3	166 E	76	33
1 26	7 35.75	+29 5.6	0.389	1.362	12.0	17.4	163 E	74	35
1 31	7 35.93	+26 55.1	0.402	1.369	14.5	17.6	160 E	72	37
2 5	7 36.98	+24 48.5	0.419	1.378	17.2	17.8	156 E	70	39

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
474156 1998 XQ_{16} *(continuation)*									
2 10	7 38.98	+22 48.3	0.439	1.389	19.8	18.0	152 E	68	41
2 15	7 41.93	+20 56.0	0.464	1.401	22.3	18.2	147 E	66	43
2 25	7 50.56	+17 37.5	0.523	1.430	26.5	18.7	140 E	63	46
3 7	8 2.20	+14 51.9	0.594	1.463	29.7	19.1	133 E	60	49
3 17	8 16.17	+12 32.8	0.677	1.501	32.1	19.5	127 E	58	51
3 27	8 31.88	+10 32.6	0.770	1.543	33.6	19.9	121 E	56	53
4 6	8 48.75	+ 8 44.7	0.873	1.588	34.6	20.2	116 E	54	55
4 16	9 6.41	+ 7 3.9	0.985	1.635	35.0	20.6	111 E	52	57
4 26	9 24.56	+ 5 26.5	1.104	1.685	35.1	20.9	106 E	50*	59
5 6	9 42.94	+ 3 50.2	1.231	1.736	34.8	21.2	101 E	47*	60
5 16	10 1.43	+ 2 13.5	1.365	1.788	34.2	21.5	96 E	43*	62
366795 2004 VA_{61}									
12 27	7 42.43	+12 30.9	1.565	2.506	8.3	21.7	158 W	58	51
1 6	7 30.79	+12 51.6	1.560	2.532	4.3	21.6	169 W	58	51
1 16	7 18.83	+13 20.6	1.584	2.557	4.1	21.6	169 E	58	51
1 26	7 7.94	+13 54.5	1.638	2.581	7.9	21.9	159 E	59	50
2 5	6 59.22	+14 30.2	1.718	2.604	11.8	22.2	147 E	60	49
525033 2004 RN_{193}									
12 27	7 44.10	+ 2 5.8	2.508	3.402	8.0	23.2	151 W	47	62
1 6	7 34.87	+ 2 10.7	2.482	3.417	6.0	23.1	159 W	47	62
1 16	7 25.26	+ 2 29.8	2.487	3.430	5.5	23.1	160 E	47	62
1 26	7 16.09	+ 3 1.3	2.522	3.442	6.8	23.2	155 E	48	61
2 5	7 8.08	+ 3 42.1	2.587	3.453	9.0	23.4	147 E	49	60
390695 2003 AY_3									
12 27	7 44.23	−26 58.7	0.834	1.621	29.4	18.3	126 W	18	89
1 1	7 42.04	−28 14.6	0.819	1.615	29.1	18.3	127 W	17	88
1 6	7 39.30	−29 13.6	0.807	1.609	28.9	18.2	128 W	16	87
1 11	7 36.18	−29 54.2	0.797	1.604	28.8	18.2	128 W	15	86
1 16	7 32.89	−30 15.2	0.789	1.600	28.7	18.2	129 E	15	86
1 21	7 29.69	−30 16.1	0.784	1.597	28.7	18.2	129 E	15	86
1 26	7 26.82	−29 57.2	0.781	1.594	28.8	18.1	129 E	15	86
1 31	7 24.50	−29 19.4	0.781	1.593	29.0	18.1	128 E	16	87
2 5	7 22.92	−28 23.9	0.783	1.593	29.2	18.2	128 E	17	88
2 10	7 22.22	−27 12.4	0.787	1.593	29.4	18.2	127 E	18	89
2 15	7 22.52	−25 46.8	0.794	1.595	29.8	18.2	127 E	19	90
2 20	7 23.91	−24 9.7	0.803	1.597	30.2	18.2	126 E	21	88
2 25	7 26.38	−22 23.7	0.815	1.600	30.6	18.3	125 E	23	86
3 2	7 29.93	−20 31.4	0.830	1.605	31.1	18.4	123 E	24	85
3 7	7 34.50	−18 34.9	0.848	1.610	31.6	18.4	122 E	26	83
3 12	7 40.03	−16 36.7	0.868	1.616	32.1	18.5	120 E	28	81
3 17	7 46.48	−14 39.0	0.892	1.622	32.6	18.6	118 E	30	79
3 22	7 53.74	−12 43.7	0.918	1.630	33.1	18.7	117 E	32	77
3 27	8 1.74	−10 52.5	0.948	1.638	33.6	18.8	115 E	34	75
4 1	8 10.37	− 9 6.9	0.980	1.648	34.0	18.9	113 E	36	73
4 6	8 19.55	− 7 27.8	1.015	1.658	34.4	19.0	111 E	38	71
4 11	8 29.20	− 5 56.0	1.054	1.668	34.7	19.1	108 E	39	70
4 16	8 39.26	− 4 32.2	1.095	1.680	35.0	19.2	106 E	40*	69
4 26	9 0.28	− 2 10.1	1.184	1.704	35.3	19.4	102 E	42*	66
5 6	9 22.08	− 0 21.7	1.284	1.731	35.3	19.6	97 E	42*	64
5 16	9 44.28	+ 0 54.6	1.392	1.761	35.0	19.8	93 E	40*	63
5 26	10 6.57	+ 1 41.5	1.507	1.792	34.4	20.0	88 E	37*	62
6 5	10 28.74	+ 2 2.9	1.628	1.824	33.6	20.2	84 E	34*	62*
6 15	10 50.65	+ 2 2.7	1.753	1.858	32.5	20.3	79 E	31*	61*
6 25	11 12.23	+ 1 44.3	1.882	1.893	31.2	20.5	75 E	27*	60*
7 5	11 33.45	+ 1 11.5	2.013	1.929	29.8	20.6	71 E	24*	59*
7 15	11 54.31	+ 0 27.3	2.145	1.966	28.2	20.8	66 E	21*	56*
7 25	12 14.84	− 0 25.7	2.276	2.003	26.5	20.9	62 E	19*	53*
8 4	12 35.07	− 1 24.7	2.406	2.041	24.7	21.0	57 E	18*	49*
8 14	12 55.05	− 2 27.8	2.533	2.078	22.8	21.1	53 E	16*	45*
8 24	13 14.82	− 3 33.0	2.655	2.116	20.8	21.2	48 E	15*	41*
9 3	13 34.41	− 4 38.6	2.773	2.154	18.8	21.2	43 E	14*	37*
9 13	13 53.88	− 5 43.0	2.885	2.192	16.7	21.3	39 E	13*	32*
9 23	14 13.24	− 6 44.8	2.989	2.229	14.6	21.3	34 E	12*	27*
10 3	14 32.52	− 7 42.8	3.085	2.266	12.5	21.4	29 E	11*	22*
10 13	14 51.73	− 8 35.8	3.172	2.303	10.4	21.4	25 E	10*	17*
10 23	15 10.86	− 9 22.7	3.249	2.339	8.4	21.4	20 E	9*	11*
11 2	15 29.90	−10 2.7	3.315	2.375	6.5	21.4	16 E	8*	5*
11 12	15 48.82	−10 34.7	3.369	2.409	4.9	21.4	12 E	6*	—
11 22	16 7.59	−10 58.2	3.410	2.444	4.1	21.4	10 E	4*	—
12 2	16 26.16	−11 12.6	3.439	2.477	4.3	21.4	11 W	3*	—
306477 1999 SY_2									
12 27	7 44.88	−11 26.3	1.631	2.467	14.9	19.9	140 W	34	75
1 1	7 39.49	−11 51.9	1.627	2.481	13.9	19.8	143 W	33	76
1 6	7 33.84	−12 8.5	1.628	2.496	13.1	19.8	145 W	33	76
1 11	7 28.11	−12 16.1	1.635	2.511	12.7	19.8	146 E	33	76
1 16	7 22.45	−12 14.7	1.649	2.525	12.6	19.8	146 E	33	76

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
306477 1999 SY_2 *(continuation)*									
1 21	7 17.02	−12 4.8	1.668	2.539	12.8	19.9	145 E	33	76
1 26	7 11.98	−11 47.1	1.694	2.553	13.3	20.0	143 E	33	76
1 31	7 7.44	−11 22.7	1.725	2.567	14.0	20.0	141 E	34	75
2 5	7 3.49	−10 52.5	1.762	2.580	14.8	20.1	138 E	34	75
2 10	7 0.20	−10 17.6	1.804	2.593	15.7	20.2	135 E	35	74
2 15	6 57.63	− 9 39.3	1.851	2.606	16.7	20.3	131 E	35	74
2 20	6 55.80	− 8 58.5	1.902	2.619	17.6	20.4	127 E	36	73
2 25	6 54.71	− 8 16.2	1.957	2.631	18.4	20.5	123 E	37	72
3 2	6 54.33	− 7 33.5	2.016	2.644	19.1	20.6	119 E	37	72
3 7	6 54.65	− 6 50.9	2.077	2.656	19.8	20.7	115 E	38	71
3 12	6 55.64	− 6 9.2	2.141	2.668	20.3	20.8	111 E	39	70
3 17	6 57.25	− 5 28.7	2.207	2.679	20.7	20.9	107 E	40	69
3 22	6 59.45	− 4 50.1	2.275	2.691	21.1	21.0	104 E	40	69
3 27	7 2.19	− 4 13.6	2.344	2.702	21.3	21.0	100 E	41*	68
4 1	7 5.43	− 3 39.5	2.414	2.713	21.5	21.1	96 E	41*	68
4 6	7 9.12	− 3 7.9	2.485	2.723	21.5	21.2	93 E	41*	67*
4 11	7 13.23	− 2 39.0	2.556	2.734	21.5	21.3	89 E	40*	66*
4 16	7 17.72	− 2 13.0	2.627	2.744	21.4	21.3	86 E	38*	65*
4 21	7 22.56	− 1 49.8	2.698	2.754	21.2	21.4	82 E	37*	64*
4 26	7 27.71	− 1 29.6	2.769	2.763	21.0	21.4	79 E	34*	63*
448562 2010 RZ_{143}									
12 27	7 45.14	−12 7.4	1.135	1.987	18.8	21.2	139 W	33	76
1 1	7 39.51	−12 11.1	1.121	1.992	17.5	21.2	142 W	33	76
1 6	7 33.46	−12 2.7	1.112	1.998	16.5	21.1	145 W	33	76
1 11	7 27.20	−11 41.8	1.109	2.003	15.7	21.1	146 E	33	76
1 16	7 20.95	−11 8.9	1.111	2.008	15.5	21.1	147 E	34	75
1 21	7 14.97	−10 24.7	1.118	2.013	15.6	21.1	147 E	35	74
1 26	7 9.45	− 9 30.6	1.131	2.018	16.3	21.2	145 E	35	74
1 31	7 4.58	− 8 28.5	1.149	2.022	17.2	21.2	143 E	37	72
2 5	7 0.48	− 7 20.1	1.173	2.026	18.4	21.3	139 E	38	71
2 10	6 57.26	− 6 7.3	1.201	2.030	19.7	21.4	136 E	39	70
450894 2008 BT_{18}									
12 27	7 45.48	+21 11.2	1.676	2.625	7.0	21.8	161 W	66	43
1 1	7 39.41	+21 37.9	1.628	2.597	4.7	21.6	167 W	67	42
1 6	7 32.72	+22 5.7	1.589	2.569	2.2	21.4	174 W	67	42
1 11	7 25.55	+22 33.7	1.557	2.540	0.4	21.2	179 E	68	41
1 16	7 18.09	+23 1.3	1.533	2.511	3.1	21.3	172 E	68	41
1 21	7 10.54	+23 27.8	1.517	2.481	5.8	21.4	165 E	68	41
1 26	7 3.12	+23 52.6	1.508	2.451	8.5	21.5	158 E	69	40
1 31	6 56.04	+24 15.3	1.507	2.420	11.1	21.6	152 E	69	40
2 5	6 49.49	+24 35.7	1.512	2.388	13.7	21.7	145 E	70	39
339019 2004 HH									
12 27	7 45.65	+26 41.8	1.134	2.088	8.8	20.7	161 W	72	37
1 1	7 38.96	+26 50.7	1.115	2.085	5.9	20.5	167 W	72	37
1 6	7 31.72	+26 57.5	1.103	2.082	3.3	20.3	173 W	72	37
1 11	7 24.18	+27 1.3	1.097	2.079	2.5	20.3	175 E	72	37
1 16	7 16.65	+27 1.7	1.099	2.075	4.7	20.4	170 E	72	37
1 21	7 9.41	+26 58.6	1.107	2.071	7.5	20.5	164 E	72	37
1 26	7 2.74	+26 52.0	1.122	2.066	10.4	20.7	158 E	72	37
1 31	6 56.84	+26 42.3	1.142	2.062	13.2	20.8	151 E	72	37
2 5	6 51.89	+26 30.2	1.169	2.057	15.8	21.0	145 E	72	37
2 10	6 47.99	+26 16.2	1.200	2.052	18.2	21.1	139 E	71	38
2 15	6 45.22	+26 0.8	1.235	2.047	20.4	21.2	134 E	71	38
2 20	6 43.58	+25 44.6	1.274	2.042	22.3	21.3	128 E	71	38
2 25	6 43.07	+25 27.7	1.317	2.036	23.9	21.5	123 E	70	39
143243 2002 YA_{26}									
12 27	7 46.10	+22 18.5	2.722	3.665	5.0	19.3	161 W	67	42
1 6	7 37.43	+23 11.8	2.724	3.702	1.8	19.1	173 W	68	41
1 16	7 28.43	+24 2.2	2.758	3.737	1.6	19.2	174 E	69	40
1 26	7 19.90	+24 47.2	2.824	3.773	4.6	19.4	162 E	70	39
2 5	7 12.52	+25 25.1	2.921	3.807	7.4	19.7	150 E	70	39
2 15	7 6.83	+25 55.6	3.044	3.841	9.8	19.9	139 E	71	38
2 25	7 3.13	+26 19.2	3.189	3.874	11.7	20.1	128 E	71	38
3 7	7 1.51	+26 36.7	3.351	3.907	13.0	20.2	117 E	72	37
3 17	7 1.93	+26 48.8	3.525	3.939	13.9	20.4	107 E	72	37
3 27	7 4.24	+26 56.4	3.706	3.971	14.4	20.6	98 E	72*	37
4 6	7 8.23	+26 59.9	3.890	4.001	14.5	20.7	89 E	69*	37*
4 16	7 13.68	+26 59.7	4.074	4.032	14.2	20.8	80 E	63*	37*
4 26	7 20.37	+26 55.9	4.253	4.061	13.6	20.9	72 E	56*	35*
5 6	7 28.10	+26 48.8	4.425	4.090	12.8	20.9	64 E	48*	34*
5 16	7 36.69	+26 38.3	4.587	4.118	11.8	21.0	57 E	40*	32*
5 26	7 45.95	+26 24.7	4.737	4.146	10.7	21.0	49 E	33*	29*
6 5	7 55.75	+26 8.1	4.873	4.173	9.3	21.1	42 E	26*	25*
6 15	8 5.96	+25 48.5	4.994	4.200	7.9	21.1	35 E	19*	21*
6 25	8 16.45	+25 26.4	5.099	4.225	6.4	21.1	28 E	14*	16*
7 5	8 27.14	+25 2.0	5.185	4.251	4.9	21.0	21 E	9*	11*
7 15	8 37.92	+24 35.5	5.253	4.275	3.4	21.0	14 E	5*	5*
7 25	8 48.72	+24 7.5	5.301	4.299	2.0	20.9	9 E	2*	—

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
143243 2002 YA_{26} *(continuation)*									
8 4	8 59.46	+23 38.4	5.329	4.322	1.5	20.9	6 E	—	—
8 14	9 10.06	+23 8.8	5.338	4.345	2.4	21.0	10 W	4*	—
8 24	9 20.45	+22 39.4	5.326	4.367	3.8	21.1	17 W	11*	—
9 3	9 30.57	+22 10.7	5.295	4.389	5.3	21.2	24 W	17*	4*
9 13	9 40.33	+21 43.6	5.244	4.410	6.7	21.2	31 W	24*	8*
9 23	9 49.67	+21 19.0	5.175	4.430	8.0	21.3	38 W	32*	12*
10 3	9 58.49	+20 57.7	5.089	4.450	9.3	21.3	46 W	39*	16*
10 13	10 6.69	+20 40.9	4.987	4.469	10.4	21.3	54 W	46*	20*
10 23	10 14.18	+20 29.5	4.871	4.487	11.3	21.3	62 W	53*	24*
11 2	10 20.84	+20 24.6	4.744	4.505	12.0	21.3	70 W	59*	28*
11 12	10 26.53	+20 27.4	4.608	4.522	12.4	21.2	79 W	64*	32*
11 22	10 31.11	+20 38.8	4.467	4.539	12.6	21.2	88 W	66	36*
12 2	10 34.44	+20 59.7	4.325	4.555	12.4	21.1	97 W	66	39*
12 12	10 36.37	+21 30.5	4.186	4.571	11.9	21.0	107 W	67	42*
12 22	10 36.78	+22 11.0	4.056	4.585	11.0	20.9	117 W	67	42
1 1	10 35.59	+23 0.6	3.938	4.600	9.8	20.8	127 W	68	41
1 11	10 32.77	+23 57.5	3.839	4.613	8.3	20.7	138 W	69	40
1 21	10 28.42	+24 58.8	3.762	4.627	6.5	20.6	148 W	70	39
218340 2004 BU_{129}									
12 27	7 46.10	+22 2.0	1.688	2.637	7.0	20.5	161 W	67	42
1 1	7 40.24	+22 3.6	1.682	2.650	4.7	20.3	167 W	67	42
1 6	7 34.12	+22 4.9	1.683	2.663	2.3	20.2	174 W	67	42
1 11	7 27.93	+22 5.4	1.692	2.676	0.2	20.0	180 E	67	42
1 16	7 21.83	+22 5.0	1.709	2.688	2.5	20.3	173 E	67	42
1 21	7 16.00	+22 3.5	1.733	2.700	4.8	20.5	167 E	67	42
1 26	7 10.59	+22 1.0	1.764	2.712	7.0	20.6	160 E	67	42
1 31	7 5.73	+21 57.6	1.802	2.723	9.1	20.8	154 E	67	42
2 5	7 1.51	+21 53.3	1.847	2.734	11.0	20.9	148 E	67	42
2 10	6 58.00	+21 48.4	1.898	2.745	12.7	21.0	142 E	67	42
2 15	6 55.25	+21 42.9	1.954	2.756	14.3	21.2	137 E	67	42
2 20	6 53.26	+21 36.9	2.015	2.767	15.6	21.3	131 E	67	42
2 25	6 52.05	+21 30.6	2.080	2.777	16.8	21.4	126 E	67	42
332715 2009 SX_{138}									
12 27	7 46.24	+13 10.9	1.646	2.584	8.2	21.5	158 W	58	51
1 6	7 35.47	+13 28.6	1.638	2.609	4.2	21.3	169 W	58	51
1 16	7 24.27	+13 53.9	1.659	2.634	3.5	21.3	170 E	59	50
1 26	7 13.95	+14 23.7	1.710	2.659	7.1	21.6	160 E	59	50
2 5	7 5.57	+14 54.9	1.788	2.682	10.9	21.9	149 E	60	49
483680 2005 NM_2									
12 27	7 46.84	+18 27.1	2.242	3.184	6.1	22.5	160 W	63	46
1 6	7 37.58	+19 9.3	2.179	3.156	2.4	22.3	172 W	64	45
1 16	7 27.40	+19 54.3	2.147	3.128	1.8	22.2	174 E	65	44
1 26	7 17.30	+20 38.8	2.147	3.098	5.6	22.4	162 E	66	43
2 5	7 8.27	+21 20.1	2.176	3.068	9.3	22.5	150 E	66	43
442442 2011 UD_{169}									
12 27	7 46.91	+14 2.9	2.488	3.420	6.1	22.2	158 W	59	50
1 6	7 37.60	+14 26.7	2.475	3.446	3.1	22.1	169 W	59	50
1 16	7 27.93	+14 54.9	2.494	3.471	2.3	22.0	172 E	60	49
1 26	7 18.75	+15 25.1	2.546	3.495	5.0	22.3	162 E	60	49
2 5	7 10.82	+15 55.5	2.627	3.517	8.0	22.5	150 E	61	48
182263 2001 HQ_8									
12 27	7 47.35	− 3 32.1	2.120	2.988	10.5	21.1	146 W	41	68
1 6	7 38.11	− 3 0.2	2.071	2.983	8.5	20.9	153 W	42	67
1 16	7 28.15	− 2 5.6	2.050	2.977	7.6	20.9	156 E	43	66
1 26	7 18.45	− 0 51.1	2.058	2.969	8.6	20.9	153 E	44	65
2 5	7 9.94	+ 0 37.9	2.094	2.961	10.8	21.0	146 E	46	63
2 15	7 3.34	+ 2 15.4	2.156	2.952	13.3	21.2	137 E	47	62
2 25	6 59.15	+ 3 55.0	2.240	2.942	15.6	21.3	127 E	49	60
3 7	6 57.52	+ 5 31.8	2.340	2.931	17.5	21.5	117 E	51	58
380152 1999 YO_4									
12 27	7 47.45	+66 8.7	0.894	1.736	23.6	18.6	135 W	69	—
12 29	7 42.29	+65 56.6	0.895	1.741	23.2	18.6	136 W	69	—
12 31	7 37.06	+65 41.5	0.897	1.747	22.8	18.6	136 W	69	—
1 2	7 31.84	+65 23.2	0.900	1.752	22.5	18.6	137 W	70	—
1 4	7 26.68	+65 1.9	0.903	1.758	22.2	18.6	137 W	70	—
1 6	7 21.63	+64 37.6	0.907	1.764	22.0	18.6	138 W	70	—
1 8	7 16.74	+64 10.3	0.911	1.770	21.8	18.6	138 W	71	—
1 10	7 12.07	+63 40.1	0.916	1.775	21.6	18.6	138 E	71	—
1 12	7 7.65	+63 7.3	0.922	1.781	21.5	18.6	138 E	72	1
1 14	7 3.51	+62 32.0	0.929	1.787	21.5	18.6	138 E	72	1
1 16	6 59.68	+61 54.3	0.936	1.793	21.5	18.7	138 E	73	2
1 21	6 51.56	+60 11.3	0.958	1.809	21.7	18.7	137 E	75	4
1 26	6 45.57	+58 18.7	0.984	1.825	22.1	18.8	136 E	77	6
1 31	6 41.63	+56 19.9	1.015	1.841	22.7	18.9	134 E	79	8

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
380152 1999 YO_4 *(continuation)*									
2 5	6 39.56	+54 17.9	1.051	1.857	23.5	19.1	131 E	81	10
2 10	6 39.13	+52 15.0	1.091	1.874	24.3	19.2	129 E	83	12
2 15	6 40.14	+50 13.3	1.135	1.890	25.1	19.3	126 E	85	14
2 20	6 42.38	+48 14.4	1.184	1.908	25.9	19.4	123 E	87	16
2 25	6 45.66	+46 19.1	1.235	1.925	26.6	19.6	119 E	89	18
3 2	6 49.81	+44 28.0	1.291	1.942	27.3	19.7	116 E	89	20
3 7	6 54.66	+42 41.5	1.349	1.960	27.8	19.8	113 E	88	21
3 12	7 0.12	+40 59.5	1.410	1.978	28.3	20.0	109 E	86	23
3 17	7 6.08	+39 21.9	1.474	1.995	28.6	20.1	106 E	84	25
3 22	7 12.46	+37 48.5	1.540	2.013	28.8	20.2	103 E	83	26
3 27	7 19.18	+36 19.0	1.608	2.031	28.9	20.3	100 E	81	28
4 6	7 33.38	+33 30.2	1.749	2.067	28.9	20.6	94 E	77*	30
4 16	7 48.34	+30 52.7	1.894	2.104	28.5	20.8	87 E	71*	33
4 26	8 3.76	+28 23.9	2.042	2.140	27.7	20.9	82 E	64*	36*
5 6	8 19.45	+26 1.6	2.191	2.176	26.7	21.1	76 E	56*	38*
5 16	8 35.26	+23 43.8	2.339	2.211	25.5	21.2	70 E	49*	39*
5 26	8 51.11	+21 29.1	2.485	2.247	24.0	21.4	65 E	41*	40*
6 5	9 6.90	+19 16.6	2.628	2.282	22.5	21.5	59 E	34*	40*
391449 2007 FL_1									
12 27	7 47.59	+46 17.7	1.876	2.780	9.7	22.7	151 W	89	18
1 1	7 40.32	+47 20.9	1.844	2.758	9.2	22.6	153 W	88	17
1 6	7 32.23	+48 18.8	1.818	2.735	9.1	22.6	154 W	87	16
1 11	7 23.50	+49 9.8	1.800	2.712	9.6	22.6	153 E	86	15
1 16	7 14.38	+49 52.6	1.790	2.688	10.5	22.6	150 E	85	14
1 21	7 5.16	+50 26.3	1.786	2.664	11.7	22.6	147 E	85	14
1 26	6 56.15	+50 50.7	1.789	2.640	13.1	22.6	143 E	84	13
301894 1998 RX_{28}									
12 27	7 47.89	+11 10.8	2.026	2.954	7.6	21.8	157 W	56	53
1 6	7 38.31	+11 44.4	2.021	2.987	4.3	21.7	167 W	57	52
1 16	7 28.35	+12 25.7	2.045	3.018	3.3	21.7	170 E	57	52
1 26	7 19.02	+13 11.6	2.100	3.049	5.9	21.9	161 E	58	51
2 5	7 11.19	+13 58.4	2.184	3.079	9.1	22.2	150 E	59	50
10150 1994 PN									
12 27	7 48.00	+11 24.8	1.317	2.253	10.0	18.4	157 W	56	53
1 1	7 39.61	+13 15.9	1.324	2.285	6.8	18.3	164 W	58	51
1 6	7 30.98	+15 7.1	1.340	2.316	3.9	18.2	171 W	60	49
1 11	7 22.34	+16 56.0	1.366	2.347	2.2	18.2	175 E	62	47
1 16	7 13.95	+18 40.4	1.401	2.378	3.7	18.4	171 E	64	45
1 21	7 6.05	+20 18.5	1.445	2.408	6.3	18.6	164 E	65	44
1 26	6 58.83	+21 49.2	1.498	2.438	8.8	18.8	158 E	67	42
1 31	6 52.43	+23 11.9	1.559	2.467	11.2	19.0	151 E	68	41
2 5	6 46.95	+24 26.6	1.626	2.496	13.2	19.2	145 E	69	40
2 15	6 38.93	+26 33.0	1.780	2.553	16.6	19.6	132 E	72	37
2 25	6 34.82	+28 12.9	1.953	2.608	18.9	19.9	121 E	73	36
3 7	6 34.28	+29 31.4	2.139	2.661	20.4	20.2	111 E	75	34
3 12	6 35.19	+30 4.0	2.235	2.688	20.8	20.3	106 E	75	34
3 17	6 36.82	+30 33.0	2.333	2.713	21.1	20.4	102 E	76	33
3 22	6 39.10	+30 58.6	2.431	2.739	21.2	20.6	97 E	76*	33
3 27	6 41.96	+31 21.2	2.530	2.764	21.1	20.7	93 E	76*	33*
4 1	6 45.34	+31 41.1	2.629	2.789	21.0	20.8	89 E	74*	32*
4 6	6 49.19	+31 58.5	2.727	2.813	20.7	20.8	84 E	71*	32*
4 11	6 53.48	+32 13.6	2.824	2.837	20.4	20.9	81 E	68*	31*
4 16	6 58.14	+32 26.7	2.920	2.860	20.0	21.0	77 E	65*	31*
4 21	7 3.15	+32 37.7	3.014	2.884	19.5	21.1	73 E	61*	30*
4 26	7 8.47	+32 46.9	3.107	2.906	18.9	21.1	69 E	57*	29*
5 1	7 14.04	+32 54.4	3.197	2.929	18.3	21.2	66 E	54*	28*
5 6	7 19.86	+33 0.2	3.285	2.951	17.6	21.3	62 E	50*	27*
5 11	7 25.89	+33 4.4	3.371	2.972	16.9	21.3	59 E	47*	27*
5 16	7 32.11	+33 7.2	3.453	2.994	16.1	21.3	55 E	43*	26*
5 21	7 38.49	+33 8.5	3.532	3.015	15.3	21.4	52 E	40*	24*
5 26	7 45.01	+33 8.6	3.608	3.035	14.5	21.4	49 E	36*	23*
5 31	7 51.65	+33 7.3	3.681	3.056	13.7	21.4	45 E	33*	22*
6 5	7 58.40	+33 4.9	3.750	3.075	12.8	21.5	42 E	30*	20*
6 10	8 5.24	+33 1.4	3.815	3.095	12.0	21.5	39 E	28*	19*
6 15	8 12.15	+32 56.8	3.876	3.114	11.1	21.5	36 E	25*	17*
49385 1998 XA_{12}									
12 27	7 48.98	+12 49.7	1.372	2.310	9.5	16.6	157 W	58	51
1 1	7 42.48	+12 14.8	1.371	2.328	7.2	16.5	163 W	57	52
1 6	7 35.77	+11 42.8	1.377	2.346	5.3	16.5	167 W	57	52
1 11	7 29.02	+11 13.9	1.390	2.364	4.4	16.5	169 E	56	53
1 16	7 22.46	+10 48.4	1.411	2.381	5.0	16.6	168 E	56	53
1 26	7 10.63	+10 7.6	1.474	2.416	8.7	16.9	158 E	55	54
2 5	7 1.41	+ 9 39.6	1.563	2.450	12.6	17.2	147 E	55	54
2 15	6 55.37	+ 9 22.4	1.675	2.483	16.0	17.5	136 E	54	55

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	49385 1998 XA_{12}					*(continuation)*			
	h m	° ′			°	m	°	°	°
2 25	6 52.66	+ 9 13.0	1.805	2.516	18.6	17.7	126 E	54	55
3 7	6 53.05	+ 9 8.1	1.948	2.548	20.4	18.0	116 E	54	55
3 17	6 56.17	+ 9 5.0	2.100	2.579	21.6	18.2	107 E	54	55
3 27	7 1.63	+ 9 1.2	2.258	2.609	22.2	18.4	99 E	54*	55
4 6	7 9.00	+ 8 54.7	2.418	2.639	22.3	18.6	91 E	52*	55*
4 16	7 17.95	+ 8 44.2	2.578	2.668	22.0	18.7	84 E	48*	55*
4 26	7 28.16	+ 8 28.3	2.736	2.696	21.3	18.9	77 E	43*	54*
5 6	7 39.35	+ 8 6.6	2.890	2.723	20.4	19.0	70 E	37*	52*
5 16	7 51.34	+ 7 38.4	3.037	2.749	19.3	19.1	64 E	30*	50*
5 26	8 3.93	+ 7 3.5	3.177	2.775	18.0	19.2	58 E	23*	47*
6 5	8 16.96	+ 6 21.7	3.308	2.799	16.6	19.2	52 E	16*	44*
6 15	8 30.33	+ 5 33.2	3.430	2.823	15.0	19.3	46 E	10*	39*
6 25	8 43.93	+ 4 37.9	3.540	2.846	13.4	19.3	41 E	4*	34*
7 5	8 57.66	+ 3 36.3	3.639	2.867	11.8	19.3	35 E	—	29*
7 15	9 11.47	+ 2 28.4	3.725	2.888	10.1	19.3	30 E	—	23*
7 25	9 25.28	+ 1 14.7	3.798	2.908	8.5	19.3	25 E	—	17*
8 4	9 39.07	− 0 4.5	3.857	2.927	6.9	19.3	20 E	—	11*
8 14	9 52.77	− 1 28.9	3.902	2.945	5.6	19.3	17 E	—	5*
8 24	10 6.36	− 2 57.9	3.932	2.963	4.8	19.2	14 W	—	1*
9 3	10 19.80	− 4 31.2	3.947	2.979	4.7	19.3	14 W	—	6*
9 13	10 33.04	− 6 8.4	3.947	2.994	5.4	19.3	16 W	—	10*
9 23	10 46.06	− 7 48.9	3.932	3.008	6.5	19.4	20 W	1*	14*
10 3	10 58.81	− 9 32.4	3.902	3.022	8.0	19.4	25 W	7*	18*
10 13	11 11.24	−11 18.3	3.856	3.034	9.5	19.5	30 W	12*	23*
10 23	11 23.28	−13 6.2	3.796	3.046	11.0	19.5	36 W	16*	27*
11 2	11 34.87	−14 55.6	3.722	3.056	12.5	19.5	42 W	20*	32*
11 12	11 45.91	−16 46.0	3.635	3.066	13.9	19.5	48 W	22*	38*
11 22	11 56.30	−18 36.8	3.536	3.074	15.2	19.5	55 W	24*	44*
12 2	12 5.89	−20 27.4	3.426	3.082	16.3	19.5	62 W	24*	51*
12 12	12 14.52	−22 17.1	3.307	3.088	17.3	19.5	69 W	23	59*
12 22	12 21.99	−24 4.9	3.181	3.094	18.0	19.4	76 W	21	67*
1 1	12 28.07	−25 49.7	3.050	3.099	18.4	19.3	84 W	19	76*
1 11	12 32.49	−27 30.0	2.917	3.103	18.5	19.2	92 W	17	85*
1 21	12 34.96	−29 3.6	2.784	3.105	18.2	19.1	100 W	16	87
	234312 2001 BV_1								
12 27	7 49.16	−24 6.6	0.878	1.675	27.5	19.6	128 W	21	88
1 1	7 43.25	−22 53.0	0.853	1.679	25.8	19.5	132 W	22	87
1 6	7 36.71	−21 16.7	0.832	1.682	24.1	19.4	136 W	24	85
1 11	7 29.82	−19 17.1	0.816	1.685	22.6	19.3	139 W	26	83
1 16	7 22.87	−16 55.0	0.804	1.689	21.3	19.2	141 E	28	81
1 21	7 16.17	−14 12.9	0.799	1.692	20.4	19.2	143 E	31	78
1 26	7 10.02	−11 14.6	0.800	1.696	20.1	19.2	144 E	34	75
1 31	7 4.65	− 8 4.9	0.807	1.700	20.5	19.2	143 E	37	72
2 5	7 0.24	− 4 49.3	0.821	1.703	21.4	19.3	141 E	40	69
2 10	6 56.93	− 1 32.9	0.841	1.707	22.8	19.4	138 E	43	66
2 15	6 54.81	+ 1 39.6	0.868	1.710	24.4	19.5	134 E	47	62
2 20	6 53.90	+ 4 44.2	0.900	1.714	26.1	19.6	130 E	50	59
2 25	6 54.19	+ 7 38.2	0.937	1.717	27.8	19.8	126 E	53	56
3 2	6 55.62	+10 19.9	0.978	1.721	29.3	19.9	122 E	55	54
3 7	6 58.13	+12 48.5	1.024	1.724	30.7	20.1	118 E	58	51
3 17	7 6.11	+17 5.9	1.124	1.731	32.8	20.3	109 E	62	47
3 27	7 17.54	+20 32.7	1.233	1.738	34.2	20.6	102 E	66	43
4 6	7 31.78	+23 14.4	1.347	1.745	34.9	20.8	95 E	68*	41
4 16	7 48.29	+25 16.6	1.463	1.751	34.9	21.0	88 E	66*	39
4 26	8 6.60	+26 44.4	1.578	1.757	34.6	21.1	82 E	63*	37*
5 6	8 26.29	+27 42.1	1.692	1.763	33.9	21.3	77 E	59*	36*
5 16	8 47.04	+28 13.2	1.801	1.769	32.9	21.4	72 E	54*	35*
5 26	9 8.56	+28 20.8	1.906	1.774	31.7	21.5	67 E	48*	34*
	180375 2003 YH_{129}								
12 27	7 49.39	+33 37.0	0.919	1.869	11.1	18.5	159 W	79	30
1 1	7 43.07	+33 49.8	0.922	1.886	8.6	18.4	163 W	79	30
1 6	7 36.35	+33 57.0	0.931	1.902	6.7	18.3	167 W	79	30
1 11	7 29.56	+33 58.0	0.946	1.919	6.2	18.4	168 W	79	30
1 16	7 23.03	+33 52.8	0.967	1.936	7.2	18.5	166 E	79	30
1 21	7 17.04	+33 41.5	0.994	1.953	9.2	18.7	162 E	79	30
1 26	7 11.84	+33 25.1	1.027	1.970	11.4	18.8	157 E	78	31
1 31	7 7.59	+33 4.4	1.065	1.987	13.7	19.0	151 E	78	31
2 5	7 4.37	+32 40.3	1.108	2.004	15.9	19.2	146 E	78	31
2 10	7 2.25	+32 13.9	1.156	2.022	17.8	19.4	141 E	77	32
2 15	7 1.21	+31 45.8	1.208	2.039	19.6	19.5	136 E	77	32
2 20	7 1.22	+31 16.7	1.265	2.056	21.2	19.7	131 E	76	33
2 25	7 2.23	+30 47.0	1.324	2.074	22.5	19.9	127 E	76	33
3 2	7 4.15	+30 17.0	1.387	2.091	23.6	20.0	122 E	75	34
3 7	7 6.88	+29 47.0	1.452	2.109	24.6	20.2	118 E	75	34
3 12	7 10.36	+29 16.8	1.520	2.126	25.3	20.3	114 E	74	35
3 17	7 14.51	+28 46.6	1.590	2.143	25.9	20.4	110 E	74	35
3 27	7 24.50	+27 45.5	1.734	2.178	26.6	20.7	102 E	73	36
4 6	7 36.29	+26 43.0	1.883	2.212	26.8	20.9	95 E	71*	37

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	180375 2003 YH_{129}					*(continuation)*			
	h m	° ′			°	m	°	°	°
4 16	7 49.44	+25 38.2	2.034	2.246	26.5	21.1	89 E	67*	38
4 26	8 3.60	+24 30.3	2.186	2.280	25.9	21.3	82 E	61*	39*
5 6	8 18.45	+23 18.7	2.337	2.313	25.1	21.4	76 E	54*	40*
	287400 2002 VG_{95}								
12 27	7 49.55	+23 37.8	1.420	2.369	8.0	20.6	160 W	69	40
1 1	7 43.47	+23 51.2	1.420	2.388	5.4	20.5	167 W	69	40
1 6	7 37.12	+24 3.5	1.428	2.407	2.8	20.4	173 W	69	40
1 11	7 30.70	+24 14.3	1.443	2.426	1.0	20.3	178 W	69	40
1 16	7 24.42	+24 23.1	1.466	2.445	2.8	20.5	173 E	69	40
1 21	7 18.48	+24 29.8	1.495	2.463	5.3	20.7	167 E	69	40
1 26	7 13.05	+24 34.3	1.532	2.482	7.6	20.8	160 E	70	39
1 31	7 8.27	+24 36.7	1.575	2.500	9.8	21.0	154 E	70	39
2 5	7 4.22	+24 37.3	1.624	2.518	11.8	21.2	148 E	70	39
2 10	7 0.97	+24 36.3	1.679	2.535	13.7	21.3	143 E	70	39
2 15	6 58.56	+24 33.8	1.740	2.553	15.3	21.5	137 E	70	39
	488697 2003 XE_7								
12 27	7 49.61	+56 33.1	0.856	1.746	19.7	19.0	143 W	78	7
1 1	7 45.51	+59 15.1	0.848	1.733	20.3	18.9	142 W	76	5
1 6	7 39.82	+61 44.3	0.845	1.721	21.4	19.0	140 W	73	2
1 11	7 32.68	+63 56.7	0.847	1.709	22.7	19.0	138 W	71	—
1 16	7 24.44	+65 49.4	0.854	1.698	24.2	19.0	135 E	69	—
1 18	7 20.97	+66 28.5	0.858	1.694	24.8	19.1	134 E	69	—
1 20	7 17.47	+67 4.2	0.863	1.690	25.5	19.1	132 E	68	—
1 22	7 13.98	+67 36.4	0.868	1.687	26.1	19.1	131 E	67	—
1 24	7 10.56	+68 5.3	0.873	1.683	26.7	19.1	130 E	67	—
1 26	7 7.27	+68 30.8	0.879	1.679	27.3	19.2	128 E	66	—
1 28	7 4.15	+68 53.1	0.886	1.676	27.9	19.2	127 E	66	—
1 30	7 1.26	+69 12.3	0.893	1.673	28.5	19.2	126 E	66	—
2 1	6 58.64	+69 28.4	0.900	1.670	29.1	19.3	125 E	66	—
2 3	6 56.33	+69 41.8	0.908	1.667	29.6	19.3	123 E	65	—
2 5	6 54.37	+69 52.4	0.916	1.664	30.2	19.3	122 E	65	—
2 7	6 52.80	+70 0.4	0.925	1.661	30.7	19.4	121 E	65	—
2 9	6 51.65	+70 6.0	0.933	1.659	31.2	19.4	120 E	65	—
2 11	6 50.94	+70 9.3	0.942	1.657	31.6	19.4	118 E	65	—
2 13	6 50.68	+70 10.4	0.951	1.654	32.1	19.4	117 E	65	—
2 15	6 50.88	+70 9.5	0.960	1.652	32.5	19.5	116 E	65	—
2 20	6 53.39	+69 59.3	0.984	1.648	33.4	19.5	113 E	65	—
2 25	6 58.66	+69 38.5	1.009	1.645	34.2	19.6	111 E	65	—
3 2	7 6.37	+69 8.2	1.034	1.642	34.9	19.7	108 E	66	—
3 7	7 16.17	+68 28.7	1.059	1.641	35.5	19.8	106 E	67	—
3 9	7 20.58	+68 10.3	1.070	1.641	35.7	19.8	105 E	67	—
3 11	7 25.25	+67 50.5	1.080	1.641	35.9	19.8	105 E	67	—
3 13	7 30.14	+67 29.3	1.091	1.641	36.0	19.8	104 E	68	—
3 15	7 35.22	+67 6.6	1.101	1.641	36.2	19.9	103 E	68	—
3 17	7 40.48	+66 42.5	1.112	1.641	36.3	19.9	102 E	68	—
3 19	7 45.88	+66 16.9	1.122	1.642	36.4	19.9	102 E	69	—
3 21	7 51.41	+65 49.9	1.133	1.643	36.6	19.9	101 E	69	—
3 23	7 57.04	+65 21.5	1.143	1.644	36.6	20.0	100 E	70	—
3 25	8 2.76	+64 51.7	1.154	1.645	36.7	20.0	99 E	70	—
3 27	8 8.53	+64 20.5	1.165	1.646	36.8	20.0	99 E	71	—
4 1	8 23.11	+62 56.4	1.192	1.650	36.9	20.1	97 E	72	1
4 6	8 37.71	+61 23.7	1.220	1.654	37.0	20.1	96 E	74	3
4 11	8 52.19	+59 42.9	1.249	1.660	37.0	20.2	94 E	75	4
4 16	9 6.40	+57 54.6	1.279	1.667	37.0	20.2	93 E	77	6
4 21	9 20.27	+55 59.2	1.309	1.674	36.9	20.3	92 E	79	8
4 26	9 33.74	+53 57.8	1.341	1.683	36.7	20.4	90 E	81*	10
5 1	9 46.78	+51 50.8	1.373	1.692	36.5	20.4	89 E	82*	12
5 6	9 59.37	+49 39.2	1.408	1.703	36.3	20.5	88 E	82*	14
5 11	10 11.55	+47 23.7	1.443	1.714	36.0	20.5	87 E	80*	17
5 16	10 23.33	+45 5.0	1.481	1.725	35.7	20.6	85 E	78*	19
5 21	10 34.74	+42 44.1	1.520	1.738	35.4	20.7	84 E	75*	21
5 26	10 45.79	+40 21.7	1.561	1.751	35.0	20.7	83 E	72*	24
5 31	10 56.52	+37 58.5	1.604	1.765	34.6	20.8	81 E	68*	26
6 5	11 6.95	+35 35.1	1.649	1.780	34.1	20.9	80 E	65*	28
6 10	11 17.13	+33 12.0	1.695	1.795	33.7	20.9	79 E	61*	31
6 15	11 27.07	+30 50.0	1.744	1.811	33.1	21.0	77 E	57*	33
6 20	11 36.80	+28 29.3	1.794	1.828	32.6	21.1	76 E	54*	36
6 25	11 46.34	+26 10.5	1.846	1.845	32.0	21.1	74 E	51*	38*
6 30	11 55.72	+23 53.9	1.900	1.862	31.3	21.2	72 E	47*	40*
7 5	12 4.95	+21 39.8	1.956	1.880	30.7	21.2	71 E	44*	42*
7 10	12 14.06	+19 28.3	2.012	1.898	30.0	21.3	69 E	41*	43*
7 15	12 23.06	+17 19.8	2.070	1.917	29.2	21.4	67 E	39*	44*
7 20	12 31.98	+15 14.3	2.130	1.936	28.4	21.4	65 E	36*	45*
7 25	12 40.81	+13 11.9	2.190	1.955	27.6	21.5	63 E	34*	46*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
418416 2008 LV_{16}									
12 27	7 49.73	+11 36.6	0.563	1.516	15.1	20.8	156 W	57	52
1 1	7 37.52	+12 1.3	0.594	1.562	10.3	20.8	163 W	57	52
1 6	7 26.14	+12 27.6	0.631	1.607	6.7	20.8	169 W	57	52
1 11	7 15.91	+12 54.5	0.674	1.652	5.6	21.0	170 E	58	51
1 16	7 7.05	+13 21.3	0.723	1.696	7.5	21.3	167 E	58	51
1 21	6 59.69	+13 47.4	0.778	1.739	10.3	21.6	162 E	59	50
1 26	6 53.84	+14 12.3	0.838	1.782	13.1	21.9	156 E	59	50
1 31	6 49.45	+14 35.8	0.903	1.824	15.7	22.2	150 E	60	49
347622 2001 SU_{122}									
12 27	7 49.79	+11 35.1	0.932	1.875	12.1	19.4	156 W	57	52
1 6	7 39.39	+11 32.6	0.938	1.909	6.8	19.3	167 W	57	52
1 16	7 28.53	+11 46.7	0.968	1.943	5.4	19.3	169 E	57	52
1 26	7 19.11	+12 12.9	1.022	1.979	9.3	19.6	161 E	57	52
1 31	7 15.39	+12 28.7	1.057	1.997	11.7	19.8	156 E	57	52
2 5	7 12.50	+12 45.4	1.098	2.015	14.0	20.0	150 E	58	51
2 10	7 10.48	+13 2.6	1.144	2.033	16.1	20.2	145 E	58	51
2 15	7 9.37	+13 19.6	1.195	2.052	18.0	20.4	140 E	58	51
2 25	7 9.87	+13 51.5	1.308	2.089	21.2	20.7	130 E	59	50
3 7	7 13.66	+14 18.2	1.434	2.126	23.5	21.0	121 E	59	50
3 17	7 20.29	+14 38.0	1.571	2.164	25.0	21.3	113 E	60	49
3 27	7 29.26	+14 49.5	1.716	2.201	25.9	21.6	105 E	60	49
435541 2008 OF_3									
12 27	7 50.45	+15 34.5	2.115	3.049	6.9	22.3	158 W	61	48
1 6	7 40.78	+16 8.8	2.081	3.054	3.2	22.0	170 W	61	48
1 16	7 30.41	+16 47.6	2.077	3.057	2.1	22.0	174 E	62	47
1 26	7 20.38	+17 27.5	2.105	3.059	5.5	22.2	163 E	62	47
2 5	7 11.66	+18 6.0	2.163	3.061	9.1	22.4	151 E	63	46
446791 1998 SJ_{70}									
12 27	7 51.08	+31 20.2	2.399	3.336	6.1	23.3	159 W	76	33
1 1	7 45.02	+31 41.8	2.359	3.316	4.6	23.2	164 W	77	32
1 6	7 38.52	+32 1.4	2.327	3.296	3.5	23.1	168 W	77	32
1 11	7 31.71	+32 18.4	2.303	3.275	3.1	23.0	170 W	77	32
1 16	7 24.72	+32 32.2	2.288	3.254	3.9	23.0	167 E	78	31
1 21	7 17.74	+32 42.5	2.281	3.232	5.3	23.1	162 E	78	31
1 26	7 10.92	+32 49.1	2.282	3.210	6.9	23.1	157 E	78	31
1 31	7 4.40	+32 52.0	2.291	3.188	8.6	23.2	151 E	78	31
469457 2002 QE_{44}									
12 27	7 51.71	+21 55.8	1.537	2.482	7.9	21.5	160 W	67	42
1 1	7 46.22	+22 20.7	1.531	2.496	5.5	21.4	166 W	67	42
1 6	7 40.41	+22 45.4	1.532	2.510	3.0	21.2	172 W	68	41
1 11	7 34.44	+23 9.1	1.540	2.523	0.7	21.1	178 W	68	41
1 16	7 28.50	+23 31.2	1.556	2.537	2.2	21.2	174 E	69	40
1 21	7 22.78	+23 51.3	1.579	2.550	4.7	21.4	168 E	69	40
1 26	7 17.46	+24 9.1	1.610	2.563	7.0	21.6	162 E	69	40
1 31	7 12.68	+24 24.5	1.647	2.575	9.2	21.8	155 E	69	40
2 5	7 8.54	+24 37.5	1.690	2.588	11.2	21.9	149 E	70	39
2 10	7 5.13	+24 48.1	1.740	2.600	13.0	22.0	144 E	70	39
340014 2005 UF_{344}									
12 27	7 52.25	+24 28.0	2.008	2.950	6.6	21.9	160 W	69	40
1 1	7 47.05	+24 40.7	1.993	2.956	4.7	21.8	166 W	70	39
1 6	7 41.54	+24 52.6	1.985	2.962	2.7	21.6	172 W	70	39
1 11	7 35.86	+25 3.3	1.985	2.967	1.2	21.5	176 W	70	39
1 16	7 30.16	+25 12.4	1.993	2.973	2.1	21.6	174 E	70	39
1 21	7 24.60	+25 19.8	2.009	2.978	4.0	21.8	168 E	70	39
1 26	7 19.31	+25 25.2	2.032	2.982	6.0	21.9	162 E	70	39
1 31	7 14.43	+25 28.7	2.062	2.987	7.8	22.0	156 E	70	39
2 5	7 10.06	+25 30.2	2.099	2.991	9.6	22.1	150 E	71	38
2 10	7 6.27	+25 30.1	2.143	2.995	11.3	22.2	144 E	71	38
436777 2012 MQ_2									
12 27	7 52.73	+27 47.2	1.922	2.863	6.9	22.2	159 W	73	36
1 1	7 47.30	+28 3.9	1.909	2.870	5.0	22.1	165 W	73	36
1 6	7 41.54	+28 18.8	1.903	2.877	3.3	22.0	170 W	73	36
1 11	7 35.60	+28 31.6	1.905	2.884	2.3	22.0	173 W	74	35
1 16	7 29.65	+28 41.9	1.915	2.891	3.1	22.0	171 E	74	35
1 21	7 23.86	+28 49.3	1.933	2.897	4.8	22.1	166 E	74	35
1 26	7 18.38	+28 53.8	1.958	2.903	6.6	22.3	160 E	74	35
1 31	7 13.35	+28 55.5	1.990	2.909	8.5	22.4	154 E	74	35
368455 2003 QA_{46}									
12 27	7 53.14	+27 26.8	1.497	2.443	8.2	20.7	159 W	72	37
1 1	7 47.03	+27 39.6	1.492	2.456	5.8	20.6	165 W	73	36
1 6	7 40.57	+27 50.2	1.494	2.469	3.6	20.5	171 W	73	36
1 11	7 33.98	+27 58.2	1.502	2.482	2.5	20.4	174 W	73	36
1 16	7 27.45	+28 3.2	1.519	2.495	3.5	20.5	171 E	73	36

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
368455 2003 QA_{46} *(continuation)*									
1 21	7 21.21	+28 5.0	1.542	2.508	5.5	20.7	166 E	73	36
1 26	7 15.43	+28 3.8	1.573	2.520	7.7	20.8	160 E	73	36
1 31	7 10.27	+27 59.7	1.610	2.533	9.8	21.0	154 E	73	36
2 5	7 5.83	+27 53.1	1.654	2.545	11.8	21.1	148 E	73	36
2 10	7 2.19	+27 44.5	1.703	2.556	13.6	21.3	142 E	73	36
2 15	6 59.41	+27 34.3	1.758	2.568	15.3	21.4	137 E	73	36
103161 1999 XF_{225}									
12 27	7 53.48	+22 34.0	1.625	2.568	7.8	20.2	159 W	68	41
1 1	7 48.11	+23 2.7	1.617	2.581	5.4	20.0	166 W	68	41
1 6	7 42.40	+23 30.9	1.616	2.594	3.0	19.9	172 W	69	40
1 11	7 36.52	+23 58.1	1.623	2.606	1.0	19.8	177 W	69	40
1 16	7 30.63	+24 23.5	1.638	2.618	2.2	19.9	174 E	69	40
1 21	7 24.93	+24 46.7	1.660	2.630	4.4	20.1	168 E	70	39
1 26	7 19.59	+25 7.3	1.689	2.642	6.7	20.3	162 E	70	39
1 31	7 14.74	+25 25.2	1.725	2.654	8.8	20.4	156 E	70	39
2 5	7 10.50	+25 40.3	1.768	2.665	10.8	20.5	150 E	71	38
2 10	7 6.95	+25 52.9	1.816	2.676	12.6	20.7	144 E	71	38
2 15	7 4.15	+26 3.0	1.870	2.687	14.2	20.8	138 E	71	38
2 20	7 2.15	+26 10.8	1.929	2.698	15.7	20.9	133 E	71	38
2 25	7 0.94	+26 16.6	1.992	2.708	16.9	21.1	127 E	71	38
3 2	7 0.50	+26 20.6	2.059	2.719	18.0	21.2	122 E	71	38
3 7	7 0.81	+26 22.9	2.129	2.729	18.9	21.3	117 E	71	38
3 12	7 1.82	+26 23.7	2.201	2.739	19.6	21.4	112 E	71	38
3 17	7 3.51	+26 23.1	2.275	2.748	20.2	21.5	108 E	71	38
371827 2007 UZ_{132}									
12 27	7 53.92	+13 55.7	1.569	2.503	9.0	22.3	157 W	59	50
1 6	7 42.71	+14 14.6	1.555	2.525	4.5	22.1	168 W	59	50
1 16	7 30.82	+14 40.7	1.569	2.547	3.1	22.0	172 E	60	49
1 26	7 19.68	+15 10.6	1.613	2.567	6.8	22.3	162 E	60	49
2 5	7 10.46	+15 41.2	1.684	2.587	10.9	22.6	150 E	61	48
337084 1998 SE_{36}									
12 27	7 54.40	−13 21.5	0.512	1.403	28.5	20.2	137 W	32	77
1 1	7 48.72	−14 25.7	0.494	1.396	27.2	20.1	139 W	31	78
1 6	7 41.98	−15 12.5	0.479	1.390	26.2	20.0	141 W	30	79
1 11	7 34.43	−15 39.0	0.467	1.383	25.7	19.9	142 W	29	80
1 16	7 26.45	−15 43.1	0.458	1.376	25.6	19.9	143 E	29	80
1 21	7 18.48	−15 24.1	0.452	1.369	26.1	19.8	142 E	30	79
1 26	7 10.96	−14 42.8	0.449	1.362	27.2	19.8	141 E	30	79
1 31	7 4.29	−13 41.0	0.449	1.355	28.6	19.9	139 E	31	78
2 5	6 58.77	−12 21.4	0.451	1.348	30.5	19.9	136 E	33	76
2 10	6 54.65	−10 47.5	0.456	1.340	32.5	20.0	133 E	34	75
2 15	6 52.11	− 9 2.7	0.463	1.333	34.7	20.1	130 E	36	73
2 20	6 51.22	− 7 10.8	0.472	1.326	36.8	20.2	127 E	38	71
2 25	6 51.99	− 5 15.2	0.483	1.318	38.9	20.3	123 E	40	69
3 2	6 54.34	− 3 18.7	0.495	1.311	40.9	20.4	120 E	42	67
3 7	6 58.18	− 1 23.5	0.509	1.304	42.8	20.5	117 E	44	65
3 12	7 3.44	+ 0 28.6	0.523	1.296	44.5	20.6	114 E	45	64
3 17	7 10.02	+ 2 16.2	0.538	1.289	46.1	20.7	111 E	47	62
3 22	7 17.83	+ 3 57.8	0.554	1.282	47.6	20.8	108 E	49	60
3 27	7 26.75	+ 5 32.6	0.570	1.275	48.9	20.8	106 E	51	58
4 1	7 36.66	+ 7 0.0	0.587	1.269	50.1	20.9	103 E	52	57
4 6	7 47.48	+ 8 19.5	0.604	1.262	51.1	21.0	101 E	53*	56
4 11	7 59.12	+ 9 30.7	0.621	1.256	52.0	21.1	99 E	54*	54
4 16	8 11.51	+10 33.2	0.638	1.250	52.9	21.2	97 E	54*	53
4 21	8 24.57	+11 26.8	0.655	1.245	53.6	21.2	95 E	54*	53
4 26	8 38.19	+12 11.4	0.673	1.240	54.2	21.3	93 E	54*	52
5 1	8 52.31	+12 47.1	0.690	1.235	54.7	21.3	91 E	54*	51
5 6	9 6.85	+13 13.9	0.707	1.230	55.1	21.4	90 E	53*	51
5 11	9 21.75	+13 31.8	0.725	1.226	55.4	21.5	88 E	52*	50
382418 1998 QN									
12 27	7 54.41	+30 56.8	1.368	2.311	9.0	19.7	158 W	76	33
1 1	7 47.64	+30 52.3	1.367	2.329	6.6	19.6	164 W	76	33
1 6	7 40.57	+30 44.3	1.374	2.346	4.6	19.5	169 W	76	33
1 11	7 33.45	+30 32.6	1.387	2.364	3.6	19.5	171 W	76	33
1 16	7 26.50	+30 17.2	1.408	2.381	4.4	19.6	169 E	75	34
1 21	7 19.97	+29 58.3	1.436	2.399	6.3	19.8	164 E	75	34
1 26	7 14.03	+29 36.4	1.471	2.416	8.4	19.9	159 E	75	34
1 31	7 8.83	+29 12.2	1.512	2.433	10.5	20.1	153 E	74	35
2 5	7 4.47	+28 46.4	1.560	2.449	12.5	20.3	148 E	74	35
2 15	6 58.45	+27 52.0	1.671	2.482	15.9	20.6	136 E	73	36
2 25	6 56.08	+26 57.3	1.801	2.515	18.5	20.8	126 E	72	37
3 7	6 57.03	+26 4.1	1.945	2.546	20.4	21.1	116 E	71	38
3 17	7 0.85	+25 13.1	2.098	2.577	21.6	21.3	107 E	70	39

369486 2010 UQ_9

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 27	7 54.42	+24 21.2	1.706	2.648	7.6	22.0	159 W	69	40
1 1	7 48.83	+24 39.0	1.691	2.654	5.3	21.9	165 W	70	39
1 6	7 42.86	+24 55.9	1.683	2.660	3.1	21.8	172 W	70	39
1 11	7 36.68	+25 11.5	1.683	2.665	1.4	21.6	176 W	70	39
1 16	7 30.47	+25 25.2	1.691	2.671	2.4	21.7	174 E	70	39
1 21	7 24.41	+25 36.6	1.706	2.675	4.5	21.9	168 E	71	38
1 26	7 18.68	+25 45.7	1.729	2.680	6.7	22.0	161 E	71	38
1 31	7 13.43	+25 52.3	1.758	2.685	8.8	22.2	155 E	71	38
2 5	7 8.78	+25 56.5	1.794	2.689	10.8	22.3	149 E	71	38
2 10	7 4.81	+25 58.6	1.836	2.693	12.7	22.4	143 E	71	38

181898 1999 RS_{168}

12 27	7 54.80	+11 21.9	1.437	2.366	10.0	20.1	155 W	56	53
1 6	7 44.12	+11 55.6	1.428	2.395	5.6	19.9	166 W	57	52
1 16	7 32.76	+12 40.0	1.447	2.423	3.8	19.9	171 E	58	51
1 26	7 22.19	+13 30.3	1.494	2.450	7.1	20.1	162 E	59	50
1 31	7 17.59	+13 56.2	1.528	2.463	9.2	20.3	157 E	59	50
2 5	7 13.61	+14 21.8	1.568	2.476	11.2	20.4	151 E	59	50
2 10	7 10.32	+14 46.8	1.614	2.489	13.1	20.6	145 E	60	49
2 15	7 7.80	+15 10.9	1.666	2.502	14.8	20.7	140 E	60	49
2 20	7 6.06	+15 33.6	1.722	2.515	16.3	20.9	134 E	61	48
2 25	7 5.12	+15 54.9	1.783	2.527	17.7	21.0	129 E	61	48
3 2	7 4.94	+16 14.5	1.847	2.539	18.9	21.1	124 E	61	48
3 7	7 5.51	+16 32.4	1.915	2.551	19.8	21.2	119 E	62	47
3 12	7 6.77	+16 48.4	1.985	2.563	20.6	21.4	115 E	62	47
3 17	7 8.71	+17 2.6	2.058	2.575	21.3	21.5	110 E	62	47

468741 2010 VM_1

12 27	7 54.80	+13 39.2	2.097	3.023	7.5	24.6	156 W	59	50
1 6	7 44.21	+14 6.8	2.060	3.029	3.9	24.3	168 W	59	50
1 16	7 32.85	+14 40.5	2.055	3.033	2.5	24.2	172 E	60	49
1 26	7 21.80	+15 17.2	2.082	3.036	5.6	24.5	163 E	60	49
2 5	7 12.07	+15 54.2	2.139	3.037	9.2	24.7	151 E	61	48

488580 2002 GK_8

12 27	7 55.03	+73 3.4	1.644	2.386	18.8	23.6	129 W	62	—
12 29	7 47.55	+73 28.8	1.649	2.391	18.7	23.6	129 W	62	—
12 31	7 39.60	+73 51.2	1.656	2.396	18.7	23.7	129 W	61	—
1 2	7 31.25	+74 10.6	1.663	2.401	18.7	23.7	128 W	61	—
1 4	7 22.57	+74 26.7	1.671	2.406	18.7	23.7	128 W	61	—
1 6	7 13.65	+74 39.6	1.680	2.411	18.8	23.7	128 W	60	—
1 7	7 9.13	+74 44.7	1.684	2.414	18.8	23.7	128 E	60	—
1 8	7 4.60	+74 49.1	1.689	2.416	18.9	23.7	127 E	60	—
1 9	7 0.05	+74 52.6	1.694	2.419	18.9	23.7	127 E	60	—
1 10	6 55.52	+74 55.3	1.699	2.421	18.9	23.7	127 E	60	—
1 11	6 51.01	+74 57.3	1.704	2.424	19.0	23.7	127 E	60	—
1 12	6 46.53	+74 58.4	1.710	2.426	19.1	23.8	126 E	60	—
1 13	6 42.11	+74 58.7	1.716	2.428	19.1	23.8	126 E	60	—
1 14	6 37.75	+74 58.2	1.722	2.431	19.2	23.8	126 E	60	—
1 15	6 33.46	+74 57.1	1.728	2.433	19.3	23.8	125 E	60	—
1 16	6 29.27	+74 55.2	1.734	2.435	19.3	23.8	125 E	60	—
1 18	6 21.18	+74 49.3	1.747	2.440	19.5	23.8	124 E	60	—
1 20	6 13.55	+74 40.9	1.761	2.444	19.6	23.9	123 E	60	—
1 22	6 6.45	+74 30.2	1.775	2.449	19.8	23.9	123 E	60	—
1 24	5 59.91	+74 17.4	1.790	2.453	20.0	23.9	122 E	61	—
1 26	5 53.96	+74 2.8	1.805	2.457	20.2	23.9	121 E	61	—
1 31	5 41.67	+73 19.6	1.846	2.468	20.6	24.0	118 E	62	—
2 5	5 32.98	+72 29.7	1.890	2.477	21.1	24.1	115 E	63	—
2 10	5 27.55	+71 35.6	1.937	2.487	21.5	24.2	112 E	63	—
2 15	5 24.99	+70 39.3	1.986	2.496	21.9	24.2	109 E	64	—

20786 2000 RG_{62}

12 27	7 55.32	+21 27.5	1.788	2.728	7.5	18.6	159 W	66	43
1 1	7 50.21	+21 52.3	1.768	2.730	5.3	18.5	165 W	67	42
1 6	7 44.70	+22 17.4	1.755	2.731	3.1	18.3	171 W	67	42
1 11	7 38.95	+22 42.2	1.750	2.733	0.8	18.1	178 W	68	41
1 16	7 33.10	+23 6.0	1.752	2.734	1.7	18.2	175 E	68	41
1 21	7 27.35	+23 28.4	1.762	2.734	3.9	18.4	169 E	68	41
1 26	7 21.85	+23 48.9	1.780	2.735	6.2	18.5	163 E	69	40
1 31	7 16.74	+24 7.3	1.804	2.735	8.3	18.6	156 E	69	40
2 5	7 12.15	+24 23.4	1.836	2.736	10.3	18.8	150 E	69	40
2 15	7 4.93	+24 49.0	1.916	2.735	13.9	19.0	138 E	70	39
2 25	7 0.71	+25 6.5	2.017	2.734	16.7	19.2	127 E	70	39
3 7	6 59.57	+25 17.0	2.133	2.731	18.9	19.4	117 E	70	39
3 17	7 1.38	+25 21.5	2.258	2.728	20.4	19.6	108 E	70	39
3 27	7 5.86	+25 20.5	2.389	2.723	21.2	19.7	99 E	70*	39
4 6	7 12.64	+25 14.3	2.522	2.718	21.6	19.8	90 E	68*	39*
4 16	7 21.38	+25 2.7	2.654	2.712	21.5	19.9	82 E	63*	39*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°

20786 2000 RG_{62} *(continuation)*

4 26	7 31.75	+24 45.5	2.783	2.704	21.1	20.0	75 E	56*	38*
5 6	7 43.47	+24 22.3	2.905	2.696	20.3	20.1	68 E	49*	37*
5 16	7 56.28	+23 53.0	3.020	2.687	19.3	20.1	61 E	42*	36*
5 26	8 9.99	+23 17.2	3.126	2.677	18.1	20.1	55 E	35*	34*
6 5	8 24.40	+22 35.0	3.222	2.666	16.6	20.2	49 E	28*	32*
6 15	8 39.37	+21 46.2	3.307	2.654	15.1	20.2	43 E	22*	29*
6 25	8 54.78	+20 50.9	3.380	2.641	13.4	20.1	37 E	17*	26*
7 5	9 10.52	+19 49.4	3.441	2.627	11.6	20.1	31 E	13*	22*
7 15	9 26.52	+18 41.8	3.489	2.612	9.8	20.0	26 E	9*	18*
7 25	9 42.72	+17 28.6	3.524	2.596	7.8	20.0	20 E	6*	13*
8 4	9 59.05	+16 10.1	3.546	2.580	5.9	19.9	15 E	3*	8*
8 14	10 15.51	+14 46.7	3.554	2.562	3.9	19.8	10 E	1*	3*
8 24	10 32.04	+13 19.1	3.549	2.544	2.2	19.6	5 E	—	—
9 3	10 48.64	+11 47.8	3.530	2.525	1.7	19.6	4 E	—	—
9 13	11 5.30	+10 13.5	3.498	2.505	3.1	19.6	8 W	2*	—
9 23	11 22.02	+ 8 36.8	3.453	2.484	5.1	19.7	13 W	7*	—
10 3	11 38.79	+ 6 58.5	3.396	2.462	7.2	19.7	18 W	12*	2*
10 13	11 55.61	+ 5 19.4	3.326	2.440	9.2	19.8	23 W	17*	5*
10 23	12 12.48	+ 3 40.4	3.244	2.416	11.3	19.8	28 W	22*	9*
11 2	12 29.40	+ 2 2.4	3.152	2.392	13.4	19.8	34 W	26*	13*
11 12	12 46.37	+ 0 26.2	3.049	2.368	15.4	19.7	39 W	30*	17*
11 22	13 3.35	− 1 7.0	2.937	2.342	17.3	19.7	45 W	34*	22*
12 2	13 20.34	− 2 36.3	2.817	2.316	19.1	19.6	50 W	36*	27*
12 12	13 37.29	− 4 0.6	2.689	2.290	20.9	19.6	56 W	38*	33*
12 22	13 54.14	− 5 18.9	2.555	2.263	22.5	19.5	62 W	38*	40*
1 1	14 10.81	− 6 30.1	2.416	2.235	24.0	19.4	68 W	38*	46*
1 11	14 27.20	− 7 33.1	2.273	2.207	25.3	19.3	74 W	37*	53*
1 21	14 43.17	− 8 27.1	2.128	2.178	26.4	19.1	80 W	37	60*

508918 2004 BG_{86}

12 27	7 56.34	−19 27.8	1.284	2.072	20.8	22.3	132 W	26	83
1 1	7 47.87	−19 16.9	1.239	2.056	19.7	22.2	135 W	26	83
1 6	7 38.51	−18 50.7	1.201	2.040	18.8	22.1	138 W	26	83
1 11	7 28.45	−18 7.9	1.168	2.023	18.2	22.0	140 E	27	82
1 16	7 17.98	−17 7.5	1.141	2.004	18.0	21.9	141 E	28	81
1 21	7 7.42	−15 49.9	1.122	1.985	18.3	21.9	141 E	29	80
1 26	6 57.08	−14 16.3	1.110	1.964	19.1	21.9	139 E	31	78
1 31	6 47.28	−12 28.7	1.104	1.942	20.4	21.9	137 E	33	76
2 5	6 38.28	−10 29.8	1.105	1.920	22.0	21.9	133 E	35	74

369983 1998 QB_{28}

12 27	7 56.97	+22 0.7	1.897	2.835	7.3	24.2	158 W	67	42
1 1	7 51.52	+22 15.6	1.870	2.830	5.2	24.1	165 W	67	42
1 6	7 45.65	+22 30.4	1.850	2.826	3.0	23.9	171 W	68	41
1 11	7 39.50	+22 44.7	1.838	2.821	0.9	23.7	178 W	68	41
1 16	7 33.24	+22 58.0	1.833	2.815	1.6	23.8	175 E	68	41
1 21	7 27.02	+23 10.0	1.837	2.809	3.8	23.9	169 E	68	41
1 26	7 21.03	+23 20.3	1.848	2.803	6.0	24.0	163 E	68	41
1 31	7 15.41	+23 28.8	1.867	2.797	8.2	24.2	156 E	68	41

264310 1999 RH_{95}

12 27	7 57.33	+17 16.5	1.574	2.510	8.7	20.8	157 W	62	47
1 1	7 51.99	+17 31.1	1.565	2.524	6.3	20.7	164 W	63	46
1 6	7 46.30	+17 46.9	1.564	2.538	3.9	20.6	170 W	63	46
1 11	7 40.43	+18 3.5	1.570	2.551	1.8	20.4	175 W	63	46
1 16	7 34.56	+18 20.2	1.583	2.565	1.8	20.5	175 E	63	46
1 21	7 28.88	+18 36.6	1.604	2.578	3.9	20.6	170 E	64	45
1 26	7 23.54	+18 52.4	1.632	2.591	6.2	20.8	163 E	64	45
1 31	7 18.68	+19 7.3	1.666	2.603	8.4	21.0	157 E	64	45
2 5	7 14.43	+19 21.0	1.708	2.616	10.4	21.1	151 E	64	45
2 10	7 10.85	+19 33.5	1.755	2.628	12.3	21.3	145 E	65	44
2 15	7 8.01	+19 44.8	1.809	2.640	14.0	21.4	140 E	65	44

102910 1999 XT_{19}

12 27	7 57.34	+13 46.1	1.723	2.651	8.7	19.5	156 W	59	50
1 6	7 46.74	+14 0.0	1.704	2.673	4.6	19.3	167 W	59	50
1 16	7 35.41	+14 20.8	1.715	2.693	2.8	19.2	172 E	59	50
1 26	7 24.64	+14 45.8	1.756	2.713	6.1	19.5	163 E	60	49
2 5	7 15.53	+15 12.1	1.825	2.731	9.9	19.7	151 E	60	49
2 15	7 8.86	+15 37.6	1.919	2.749	13.4	20.0	140 E	61	48
2 25	7 5.04	+16 0.9	2.033	2.766	16.1	20.2	129 E	61	48
3 7	7 4.09	+16 20.6	2.163	2.782	18.2	20.4	119 E	61	48
3 17	7 5.85	+16 36.2	2.304	2.797	19.6	20.6	109 E	62	47
3 27	7 10.02	+16 46.8	2.452	2.811	20.4	20.8	101 E	62	47
4 6	7 16.26	+16 52.0	2.603	2.824	20.7	21.0	92 E	60*	47
4 16	7 24.25	+16 51.3	2.754	2.835	20.6	21.1	84 E	56*	47*
4 26	7 33.69	+16 44.3	2.902	2.846	20.1	21.2	77 E	51*	46*
5 6	7 44.30	+16 30.7	3.046	2.856	19.3	21.3	70 E	44*	45*
5 16	7 55.86	+16 10.5	3.182	2.865	18.3	21.3	63 E	37*	43*
5 26	8 8.18	+15 43.5	3.310	2.873	17.0	21.4	56 E	30*	41*
6 5	8 21.08	+15 9.9	3.429	2.880	15.6	21.4	50 E	23*	38*
6 15	8 34.44	+14 29.7	3.536	2.886	14.0	21.4	44 E	17*	34*

102910 1999 XT_{19} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
6 25	8 48.13	+13 43.2	3.631	2.891	12.4	21.4	37 E	11*	30*
7 5	9 2.06	+12 50.7	3.713	2.895	10.6	21.4	32 E	6*	25*
7 15	9 16.15	+11 52.5	3.782	2.898	8.7	21.4	26 E	2*	19*
7 25	9 30.34	+10 49.0	3.836	2.901	6.8	21.3	20 E	—	14*
8 4	9 44.58	+ 9 40.7	3.875	2.902	4.9	21.3	14 E	—	8*
8 14	9 58.81	+ 8 28.0	3.900	2.902	3.0	21.2	9 E	—	2*
8 24	10 13.00	+ 7 11.4	3.908	2.901	1.4	21.1	4 E	—	—
9 3	10 27.12	+ 5 51.6	3.901	2.899	1.9	21.1	5 W	—	—
9 13	10 41.13	+ 4 29.0	3.879	2.896	3.7	21.2	11 W	2*	3*
9 23	10 54.99	+ 3 4.4	3.840	2.892	5.6	21.3	16 W	8*	7*
10 3	11 8.68	+ 1 38.3	3.787	2.887	7.6	21.3	22 W	13*	11*
10 13	11 22.17	+ 0 11.5	3.718	2.881	9.5	21.4	29 W	19*	15*
10 23	11 35.38	− 1 15.3	3.634	2.874	11.4	21.4	35 W	24*	19*
11 2	11 48.29	− 2 41.4	3.537	2.866	13.2	21.4	41 W	28*	24*
11 12	12 0.81	− 4 6.0	3.426	2.857	14.9	21.4	48 W	32*	29*
11 22	12 12.86	− 5 28.0	3.304	2.847	16.4	21.3	55 W	35*	35*
12 2	12 24.33	− 6 46.8	3.171	2.836	17.8	21.3	62 W	37*	42*
12 12	12 35.09	− 8 1.1	3.029	2.824	19.0	21.2	69 W	37*	49*
12 22	12 44.96	− 9 9.9	2.880	2.812	19.9	21.1	76 W	36	56*
1 1	12 53.76	−10 12.1	2.725	2.798	20.5	21.0	84 W	35	64*
1 11	13 1.24	−11 6.1	2.569	2.783	20.7	20.9	92 W	34	71*
1 21	13 7.13	−11 50.5	2.412	2.767	20.5	20.7	101 W	33	76*

380472 2003 WR_{24}

12 27	7 57.38	+14 23.6	1.942	2.869	8.0	21.1	156 W	59	50
1 6	7 46.81	+14 27.4	1.911	2.880	4.2	20.9	168 W	59	50
1 16	7 35.47	+14 36.9	1.911	2.889	2.5	20.8	173 E	60	49
1 26	7 24.53	+14 50.2	1.941	2.898	5.7	21.0	163 E	60	49
2 5	7 15.03	+15 5.2	2.001	2.905	9.4	21.2	151 E	60	49
2 15	7 7.75	+15 20.3	2.087	2.911	12.7	21.5	140 E	60	49

285290 1998 SS_{140}

12 27	7 58.37	+16 53.3	1.284	2.222	10.0	20.1	157 W	62	47
1 1	7 52.64	+16 59.4	1.283	2.242	7.3	20.0	163 W	62	47
1 6	7 46.57	+17 7.1	1.288	2.262	4.6	19.9	169 W	62	47
1 11	7 40.37	+17 15.7	1.301	2.282	2.3	19.8	175 W	62	47
1 16	7 34.25	+17 25.0	1.321	2.302	2.3	19.9	175 E	62	47
1 21	7 28.43	+17 34.4	1.347	2.321	4.5	20.1	169 E	63	46
1 26	7 23.07	+17 43.7	1.381	2.341	6.9	20.3	163 E	63	46
1 31	7 18.33	+17 52.5	1.421	2.360	9.3	20.4	157 E	63	46
2 5	7 14.30	+18 0.8	1.467	2.379	11.5	20.6	151 E	63	46
2 10	7 11.06	+18 8.3	1.519	2.398	13.5	20.8	145 E	63	46
2 15	7 8.65	+18 15.1	1.577	2.417	15.3	20.9	140 E	63	46
2 20	7 7.09	+18 21.0	1.639	2.436	16.8	21.1	135 E	63	46
2 25	7 6.37	+18 26.0	1.705	2.454	18.2	21.2	129 E	63	46
3 2	7 6.44	+18 30.0	1.774	2.473	19.3	21.4	124 E	63	46

173664 2001 JU_2

12 27	7 58.45	+21 21.7	0.803	1.754	12.1	21.1	158 W	66	43
1 1	7 50.13	+22 2.5	0.799	1.767	8.2	20.9	165 W	67	42
1 6	7 41.20	+22 42.6	0.800	1.780	4.3	20.7	172 W	68	41
1 11	7 32.01	+23 20.3	0.808	1.792	0.9	20.5	178 W	68	41
1 16	7 22.97	+23 54.4	0.823	1.803	3.9	20.8	173 E	69	40
1 21	7 14.47	+24 24.0	0.844	1.814	7.6	21.1	166 E	69	40
1 26	7 6.82	+24 48.7	0.871	1.825	11.1	21.3	159 E	70	39
1 31	7 0.27	+25 8.6	0.904	1.835	14.4	21.5	152 E	70	39
2 5	6 54.95	+25 24.3	0.941	1.844	17.3	21.7	146 E	70	39
2 10	6 50.96	+25 36.1	0.984	1.853	19.9	21.9	140 E	71	38

162183 1999 NB_5

12 27	7 58.99	+18 11.5	0.809	1.758	12.6	22.6	157 W	63	46
1 1	7 49.91	+18 32.9	0.827	1.794	8.5	22.5	164 W	64	45
1 6	7 40.76	+18 53.9	0.851	1.829	4.6	22.5	171 W	64	45
1 11	7 31.89	+19 13.8	0.881	1.864	1.4	22.4	177 W	64	45
1 16	7 23.63	+19 31.9	0.918	1.899	3.4	22.6	173 E	65	44
1 21	7 16.22	+19 47.9	0.962	1.933	6.7	23.0	167 E	65	44
1 26	7 9.84	+20 1.7	1.012	1.967	9.7	23.2	160 E	65	44
1 31	7 4.60	+20 13.5	1.068	2.000	12.5	23.5	154 E	65	44

121032 Wadesisler

12 27	7 59.29	+ 8 35.3	1.093	2.018	12.9	19.1	153 W	54	55
1 1	7 52.62	+10 34.0	1.056	2.007	9.8	18.9	160 W	56	53
1 6	7 45.00	+12 44.9	1.026	1.996	6.5	18.6	167 W	58	51
1 11	7 36.60	+15 5.5	1.005	1.984	3.4	18.4	173 W	60	49
1 16	7 27.65	+17 32.4	0.992	1.972	3.2	18.4	173 E	63	46
1 21	7 18.48	+20 1.6	0.988	1.960	6.3	18.5	167 E	65	44
1 26	7 9.39	+22 29.0	0.994	1.948	9.9	18.7	160 E	67	42
1 31	7 0.73	+24 50.9	1.007	1.936	13.5	18.8	153 E	70	39
2 5	6 52.78	+27 4.6	1.028	1.923	16.9	19.0	145 E	72	37
2 10	6 45.81	+29 8.3	1.056	1.910	20.0	19.1	139 E	74	35
2 15	6 40.02	+31 1.3	1.089	1.897	22.8	19.3	132 E	76	33

121032 Wadesisler *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
2 20	6 35.54	+32 43.4	1.127	1.884	25.2	19.4	126 E	78	31
2 25	6 32.44	+34 15.4	1.169	1.870	27.3	19.5	120 E	79	30
3 2	6 30.74	+35 38.0	1.213	1.857	29.1	19.6	114 E	81	28
3 7	6 30.40	+36 52.2	1.259	1.843	30.5	19.7	109 E	82	27
3 12	6 31.40	+37 58.8	1.307	1.829	31.7	19.8	105 E	83	26
3 17	6 33.67	+38 58.7	1.355	1.815	32.7	19.9	100 E	84	25
3 22	6 37.15	+39 52.6	1.402	1.801	33.4	20.0	96 E	85*	24
3 27	6 41.76	+40 41.1	1.450	1.787	33.9	20.1	92 E	84*	23*
4 1	6 47.43	+41 24.5	1.496	1.773	34.3	20.1	88 E	81*	23*
4 6	6 54.08	+42 3.0	1.541	1.759	34.5	20.2	85 E	78*	22*
4 11	7 1.66	+42 36.9	1.584	1.745	34.6	20.2	82 E	75*	21*
4 16	7 10.11	+43 6.3	1.625	1.731	34.6	20.3	78 E	72*	20*
4 21	7 19.38	+43 31.1	1.665	1.716	34.5	20.3	76 E	69*	20*
4 26	7 29.39	+43 51.3	1.702	1.702	34.4	20.3	73 E	66*	19*
5 1	7 40.10	+44 6.8	1.736	1.688	34.2	20.4	70 E	63*	19*
5 6	7 51.46	+44 17.5	1.768	1.674	33.9	20.4	68 E	61*	19*
5 11	8 3.42	+44 23.0	1.798	1.660	33.7	20.4	66 E	58*	18*
5 16	8 15.93	+44 23.3	1.825	1.646	33.4	20.4	64 E	56*	18*
5 21	8 28.95	+44 18.1	1.849	1.633	33.1	20.4	62 E	54*	18*
5 26	8 42.41	+44 7.2	1.871	1.619	32.7	20.4	60 E	52*	18*
5 31	8 56.26	+43 50.4	1.890	1.606	32.4	20.4	58 E	50*	18*
6 5	9 10.46	+43 27.4	1.907	1.593	32.1	20.4	57 E	48*	18*
6 10	9 24.95	+42 58.0	1.921	1.580	31.9	20.4	55 E	46*	18*
6 15	9 39.70	+42 22.1	1.933	1.567	31.6	20.4	54 E	44*	18*
6 20	9 54.65	+41 39.5	1.943	1.555	31.3	20.3	53 E	43*	19*
6 25	10 9.74	+40 50.0	1.951	1.543	31.1	20.3	52 E	42*	19*
6 30	10 24.94	+39 53.6	1.958	1.532	30.9	20.3	51 E	41*	19*
7 5	10 40.20	+38 50.2	1.963	1.521	30.7	20.3	50 E	40*	20*
7 10	10 55.51	+37 39.7	1.966	1.511	30.6	20.3	49 E	39*	20*
7 15	11 10.81	+36 22.3	1.969	1.501	30.4	20.3	48 E	38*	20*
7 20	11 26.09	+34 58.0	1.970	1.491	30.3	20.2	48 E	37*	21*
7 25	11 41.32	+33 27.1	1.971	1.482	30.2	20.2	47 E	36*	21*
7 30	11 56.47	+31 49.7	1.972	1.474	30.1	20.2	47 E	36*	22*
8 4	12 11.55	+30 6.0	1.973	1.466	30.0	20.2	46 E	35*	22*
8 9	12 26.54	+28 16.5	1.974	1.459	29.8	20.2	46 E	34*	23*
8 14	12 41.43	+26 21.6	1.976	1.452	29.7	20.2	45 E	34*	23*
8 19	12 56.23	+24 21.8	1.978	1.447	29.5	20.2	45 E	33*	24*
8 24	13 10.93	+22 17.8	1.982	1.442	29.3	20.2	44 E	33*	24*
8 29	13 25.53	+20 10.0	1.986	1.437	29.1	20.2	44 E	32*	24*
9 3	13 40.05	+17 59.1	1.993	1.434	28.8	20.1	43 E	31*	25*
9 8	13 54.49	+15 46.0	2.001	1.431	28.4	20.1	43 E	31*	25*
9 13	14 8.87	+13 31.3	2.011	1.429	28.0	20.1	42 E	30*	25*
9 18	14 23.19	+11 16.0	2.023	1.428	27.6	20.1	41 E	29*	25*
9 23	14 37.45	+ 9 0.7	2.036	1.427	27.1	20.1	40 E	28*	24*
9 28	14 51.68	+ 6 46.3	2.052	1.427	26.5	20.1	39 E	27*	24*
10 3	15 5.88	+ 4 33.5	2.070	1.429	25.8	20.1	38 E	26*	24*
10 8	15 20.07	+ 2 23.1	2.089	1.431	25.1	20.1	37 E	25*	23*
10 13	15 34.26	+ 0 15.7	2.111	1.433	24.3	20.1	36 E	24*	22*
10 23	16 2.66	− 3 47.4	2.158	1.441	22.6	20.1	34 E	22*	20*
11 2	16 31.13	− 7 31.7	2.210	1.451	20.6	20.1	31 E	19*	18*
11 12	16 59.73	−10 54.3	2.266	1.465	18.4	20.2	28 E	17*	15*
11 22	17 28.46	−13 52.9	2.323	1.481	16.0	20.2	24 E	14*	12*
12 2	17 57.31	−16 26.8	2.379	1.499	13.5	20.1	21 E	11*	9*
12 12	18 26.26	−18 35.8	2.433	1.520	10.9	20.1	17 E	8*	6*
12 22	18 55.22	−20 20.3	2.483	1.542	8.3	20.1	13 E	5*	4*
1 1	19 24.15	−21 41.5	2.528	1.566	5.8	20.0	9 E	1*	1*
1 11	19 52.96	−22 40.7	2.566	1.591	3.5	20.0	6 E	—	—
1 21	20 21.54	−23 19.8	2.597	1.617	2.5	20.0	4 E	—	—

136617 1994 CC

12 27	7 59.67	+17 48.6	1.379	2.316	9.6	20.9	157 W	63	46
1 1	7 52.61	+17 57.2	1.358	2.318	6.9	20.7	164 W	63	46
1 6	7 45.01	+18 6.8	1.344	2.319	4.1	20.5	170 W	63	46
1 11	7 37.10	+18 16.9	1.338	2.320	1.7	20.4	176 W	63	46
1 16	7 29.09	+18 26.9	1.340	2.321	2.4	20.4	174 E	63	46
1 21	7 21.26	+18 36.4	1.349	2.321	5.1	20.6	168 E	64	45
1 26	7 13.82	+18 45.1	1.366	2.320	7.9	20.8	161 E	64	45
1 31	7 6.99	+18 52.9	1.390	2.319	10.5	20.9	155 E	64	45
2 5	7 0.92	+18 59.8	1.420	2.317	13.0	21.0	148 E	64	45
2 10	6 55.74	+19 5.6	1.457	2.314	15.3	21.2	142 E	64	45
2 15	6 51.51	+19 10.6	1.498	2.311	17.3	21.3	136 E	64	45
2 20	6 48.30	+19 14.8	1.544	2.308	19.1	21.4	130 E	64	45

368856 2006 HG_{119}

12 27	7 59.70	+11 41.2	1.362	2.289	10.7	20.7	154 W	57	52
1 6	7 48.79	+12 13.6	1.351	2.317	6.0	20.5	166 W	57	52
1 16	7 37.05	+12 57.0	1.367	2.344	3.6	20.5	171 E	58	51
1 26	7 26.02	+13 46.5	1.411	2.370	6.9	20.7	163 E	59	50
2 5	7 17.01	+14 36.9	1.482	2.396	11.2	21.0	152 E	60	49
2 15	7 10.89	+15 24.6	1.577	2.421	15.1	21.3	140 E	60	49

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
151517 2002 PQ_{113}									
12 27	8 0.26	+48 44.7	0.823	1.738	17.3	16.9	148 W	86	15
1 1	7 50.31	+47 44.4	0.823	1.754	15.2	16.8	152 W	87	16
1 6	7 40.17	+46 31.0	0.828	1.769	13.5	16.8	155 W	88	17
1 11	7 30.37	+45 5.4	0.840	1.786	12.6	16.8	157 W	90	19
1 16	7 21.37	+43 29.8	0.857	1.803	12.5	16.9	157 E	88	21
1 21	7 13.52	+41 46.8	0.880	1.820	13.3	17.0	155 E	87	22
1 26	7 7.03	+39 59.6	0.909	1.837	14.7	17.1	152 E	85	24
1 31	7 1.99	+38 11.3	0.945	1.855	16.4	17.3	148 E	83	26
2 5	6 58.39	+36 24.3	0.985	1.873	18.2	17.5	144 E	81	28
2 10	6 56.18	+34 40.5	1.031	1.891	20.0	17.6	139 E	80	29
2 15	6 55.26	+33 1.4	1.082	1.910	21.6	17.8	135 E	78	31
2 20	6 55.52	+31 27.7	1.137	1.928	23.1	18.0	130 E	76	33
2 25	6 56.83	+29 59.6	1.196	1.947	24.4	18.2	126 E	75	34
3 2	6 59.06	+28 37.2	1.258	1.966	25.5	18.3	121 E	74	35
3 7	7 2.10	+27 20.2	1.323	1.985	26.4	18.5	117 E	72	37
3 12	7 5.84	+26 8.1	1.391	2.004	27.1	18.6	113 E	71	38
3 17	7 10.21	+25 0.4	1.461	2.024	27.6	18.8	110 E	70	39
3 27	7 20.46	+22 56.0	1.606	2.063	28.2	19.0	102 E	68	41
4 6	7 32.29	+21 3.0	1.757	2.101	28.3	19.3	95 E	65*	43
4 16	7 45.27	+19 17.6	1.911	2.140	28.0	19.5	89 E	61*	45
4 26	7 59.10	+17 36.8	2.067	2.179	27.3	19.7	83 E	55*	46*
5 6	8 13.52	+15 58.3	2.222	2.218	26.3	19.9	77 E	48*	47*
5 16	8 28.34	+14 20.4	2.375	2.256	25.1	20.0	71 E	41*	48*
5 26	8 43.43	+12 41.9	2.524	2.294	23.7	20.1	65 E	34*	47*
6 5	8 58.66	+11 2.0	2.670	2.331	22.1	20.2	60 E	27*	46*
6 15	9 13.97	+ 9 20.0	2.809	2.367	20.4	20.3	54 E	20*	44*
6 25	9 29.29	+ 7 35.7	2.942	2.404	18.7	20.4	49 E	14*	41*
7 5	9 44.58	+ 5 49.0	3.066	2.439	16.8	20.5	44 E	9*	37*
7 15	9 59.81	+ 3 59.8	3.182	2.474	14.9	20.5	39 E	4*	33*
7 25	10 14.95	+ 2 8.2	3.288	2.508	13.0	20.5	34 E	—	28*
8 4	10 30.00	+ 0 14.4	3.383	2.541	11.1	20.6	29 E	—	22*
8 14	10 44.94	− 1 41.4	3.467	2.573	9.2	20.6	24 E	—	17*
8 24	10 59.77	− 3 39.0	3.539	2.605	7.3	20.6	19 E	—	11*
9 3	11 14.48	− 5 38.0	3.598	2.636	5.6	20.5	15 E	—	6*
9 13	11 29.07	− 7 38.2	3.644	2.666	4.4	20.5	12 E	—	—
9 23	11 43.53	− 9 39.2	3.675	2.695	3.9	20.5	10 W	—	2*
10 3	11 57.84	−11 40.7	3.693	2.723	4.5	20.6	12 W	—	6*
10 13	12 12.00	−13 42.4	3.695	2.750	5.7	20.7	16 W	—	10*
10 23	12 25.96	−15 44.0	3.683	2.776	7.3	20.8	21 W	5*	14*
11 2	12 39.70	−17 45.2	3.657	2.801	9.0	20.9	26 W	9*	19*
11 12	12 53.16	−19 45.8	3.616	2.826	10.7	20.9	32 W	12*	24*
11 22	13 6.27	−21 45.3	3.561	2.849	12.3	21.0	38 W	15*	29*
12 2	13 18.95	−23 43.7	3.492	2.871	13.9	21.0	44 W	17*	36*
12 12	13 31.09	−25 40.7	3.411	2.893	15.3	21.0	51 W	17*	42*
12 22	13 42.53	−27 36.2	3.319	2.913	16.6	21.0	58 W	17*	50*
1 1	13 53.12	−29 30.1	3.217	2.933	17.6	21.0	65 W	15*	58*
1 11	14 2.62	−31 22.0	3.106	2.951	18.5	21.0	72 W	14	66*
1 21	14 10.78	−33 11.7	2.990	2.969	19.0	20.9	79 W	12	73*
210635 2000 GQ_7									
12 27	8 1.24	+13 20.3	1.877	2.798	8.6	20.3	155 W	58	51
1 6	7 50.46	+13 43.2	1.854	2.820	4.6	20.1	167 W	59	50
1 16	7 38.90	+14 12.9	1.862	2.840	2.5	20.0	173 E	59	50
1 26	7 27.76	+14 46.2	1.900	2.859	5.5	20.2	164 E	60	49
2 5	7 18.10	+15 19.9	1.968	2.876	9.2	20.5	152 E	60	49
2 15	7 10.72	+15 52.0	2.062	2.893	12.6	20.7	140 E	61	48
2 25	7 6.06	+16 20.9	2.178	2.908	15.3	21.0	129 E	61	48
3 7	7 4.20	+16 45.7	2.309	2.921	17.3	21.2	119 E	62	47
3 17	7 4.99	+17 5.7	2.453	2.934	18.7	21.3	109 E	62	47
179879 2002 UB									
12 27	8 1.66	−21 26.5	1.033	1.822	24.7	20.0	129 W	24	85
1 1	7 56.47	−22 33.2	1.011	1.817	24.0	19.9	131 W	22	87
1 6	7 50.53	−23 26.6	0.992	1.811	23.5	19.9	133 W	22	87
1 11	7 44.03	−24 4.7	0.978	1.805	23.1	19.8	134 W	21	88
1 16	7 37.21	−24 26.2	0.967	1.799	23.0	19.8	134 E	21	88
1 21	7 30.34	−24 30.6	0.961	1.793	23.1	19.8	134 E	20	89
1 26	7 23.71	−24 18.1	0.958	1.786	23.5	19.8	134 E	21	88
1 31	7 17.58	−23 49.6	0.960	1.780	24.1	19.8	132 E	21	88
2 5	7 12.17	−23 6.3	0.964	1.773	24.9	19.8	131 E	22	87
2 10	7 7.68	−22 10.1	0.973	1.766	25.8	19.9	129 E	23	86
2 15	7 4.24	−21 3.1	0.984	1.760	26.9	19.9	126 E	24	85
2 20	7 1.96	−19 47.7	0.999	1.753	28.0	20.0	124 E	25	84
2 25	7 0.86	−18 26.1	1.016	1.745	29.1	20.0	121 E	27	82
3 2	7 0.93	−17 0.5	1.035	1.738	30.2	20.1	118 E	28	81
3 7	7 2.15	−15 32.7	1.056	1.731	31.2	20.1	115 E	29	80
3 12	7 4.47	−14 4.1	1.080	1.723	32.2	20.2	112 E	31	78
3 17	7 7.84	−12 36.4	1.105	1.716	33.1	20.3	109 E	32	77
3 22	7 12.19	−11 10.5	1.131	1.708	34.0	20.3	107 E	34	75
3 27	7 17.44	− 9 47.7	1.159	1.700	34.7	20.4	104 E	35	74
4 1	7 23.52	− 8 28.5	1.187	1.693	35.4	20.5	101 E	36*	72

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
179879 2002 UB *(continuation)*									
4 6	7 30.36	− 7 13.4	1.217	1.685	36.0	20.5	98 E	37*	71
4 11	7 37.91	− 6 2.9	1.247	1.677	36.5	20.6	96 E	38*	70
4 16	7 46.10	− 4 57.5	1.278	1.669	36.9	20.6	93 E	38*	69
4 21	7 54.87	− 3 57.4	1.309	1.662	37.2	20.7	91 E	38*	68*
4 26	8 4.16	− 3 2.7	1.341	1.654	37.5	20.7	88 E	37*	67*
5 1	8 13.93	− 2 13.6	1.372	1.646	37.6	20.8	86 E	36*	66*
5 6	8 24.12	− 1 29.9	1.404	1.638	37.7	20.8	84 E	35*	65*
5 11	8 34.70	− 0 51.9	1.437	1.631	37.8	20.9	82 E	33*	64*
5 16	8 45.63	− 0 19.4	1.469	1.623	37.8	20.9	79 E	32*	63*
5 21	8 56.87	+ 0 7.6	1.501	1.616	37.7	20.9	77 E	30*	62*
5 26	9 8.37	+ 0 29.2	1.533	1.608	37.5	21.0	75 E	28*	61*
5 31	9 20.11	+ 0 45.7	1.565	1.601	37.3	21.0	73 E	26*	60*
6 5	9 32.07	+ 0 57.2	1.597	1.594	37.1	21.0	71 E	25*	59*
6 10	9 44.21	+ 1 3.8	1.629	1.586	36.8	21.1	69 E	23*	58*
6 15	9 56.52	+ 1 5.7	1.660	1.580	36.4	21.1	67 E	21*	57*
6 20	10 8.97	+ 1 3.2	1.691	1.573	36.0	21.1	66 E	20*	56*
6 25	10 21.54	+ 0 56.6	1.722	1.566	35.6	21.1	64 E	18*	55*
6 30	10 34.22	+ 0 46.1	1.753	1.560	35.1	21.1	62 E	17*	54*
7 5	10 47.00	+ 0 31.9	1.783	1.554	34.6	21.1	60 E	16*	52*
7 10	10 59.86	+ 0 14.4	1.812	1.548	34.1	21.2	59 E	15*	51*
7 15	11 12.81	− 0 6.3	1.841	1.542	33.5	21.2	57 E	14*	50*
7 20	11 25.83	− 0 29.8	1.870	1.536	32.9	21.2	55 E	13*	48*
7 25	11 38.91	− 0 55.8	1.898	1.531	32.3	21.2	54 E	13*	47*
7 30	11 52.06	− 1 23.9	1.925	1.526	31.6	21.2	52 E	13*	45*
8 4	12 5.27	− 1 54.0	1.952	1.522	30.9	21.2	50 E	12*	44*
8 9	12 18.56	− 2 25.7	1.978	1.517	30.2	21.2	49 E	12*	42*
8 14	12 31.91	− 2 58.8	2.004	1.513	29.5	21.2	47 E	12*	41*
8 19	12 45.33	− 3 32.9	2.028	1.510	28.8	21.2	46 E	12*	39*
8 24	12 58.82	− 4 7.6	2.052	1.507	28.0	21.2	44 E	12*	38*
8 29	13 12.38	− 4 42.8	2.076	1.504	27.2	21.2	43 E	12*	37*
9 3	13 26.03	− 5 18.1	2.098	1.501	26.5	21.2	42 E	12*	35*
9 8	13 39.77	− 5 53.2	2.120	1.499	25.7	21.2	40 E	12*	34*
9 13	13 53.60	− 6 27.8	2.142	1.497	24.9	21.2	39 E	13*	32*
9 18	14 7.52	− 7 1.6	2.162	1.495	24.1	21.2	37 E	13*	31*
9 23	14 21.54	− 7 34.3	2.182	1.494	23.4	21.2	36 E	13*	29*
9 28	14 35.65	− 8 5.7	2.201	1.493	22.6	21.2	35 E	13*	28*
10 3	14 49.87	− 8 35.3	2.219	1.493	21.8	21.2	34 E	13*	26*
10 8	15 4.20	− 9 3.0	2.237	1.493	21.1	21.2	32 E	14*	25*
10 13	15 18.62	− 9 28.5	2.254	1.494	20.3	21.1	31 E	14*	23*
10 18	15 33.14	− 9 51.4	2.270	1.494	19.5	21.1	30 E	14*	21*
10 23	15 47.75	−10 11.5	2.286	1.496	18.8	21.1	29 E	14*	20*
10 28	16 2.45	−10 28.5	2.301	1.497	18.1	21.1	28 E	14*	18*
11 2	16 17.24	−10 42.4	2.316	1.499	17.4	21.1	27 E	15*	16*
11 7	16 32.09	−10 52.7	2.331	1.501	16.7	21.1	26 E	15*	14*
11 12	16 47.01	−10 59.4	2.344	1.504	16.0	21.1	25 E	15*	12*
11 17	17 1.97	−11 2.2	2.358	1.507	15.4	21.1	24 E	15*	11*
11 22	17 16.96	−11 1.1	2.371	1.511	14.7	21.1	23 E	15*	9*
11 27	17 31.97	−10 55.9	2.384	1.514	14.1	21.1	22 E	14*	7*
12 2	17 46.98	−10 46.6	2.397	1.518	13.5	21.1	21 E	14*	5*
12 7	18 1.98	−10 33.1	2.409	1.523	12.9	21.1	20 E	14*	3*
12 12	18 16.95	−10 15.3	2.421	1.527	12.4	21.1	19 E	13*	1*
12 17	18 31.87	− 9 53.4	2.432	1.532	11.8	21.1	19 E	13*	—
12 22	18 46.72	− 9 27.4	2.444	1.538	11.3	21.1	18 E	12*	—
12 27	19 1.50	− 8 57.4	2.455	1.543	10.8	21.1	17 E	11*	—
1 1	19 16.19	− 8 23.5	2.466	1.549	10.4	21.1	17 E	10*	—
1 6	19 30.77	− 7 45.9	2.477	1.555	10.0	21.1	16 E	9*	—
1 11	19 45.23	− 7 4.8	2.488	1.561	9.6	21.1	15 E	8*	—
1 16	19 59.56	− 6 20.3	2.498	1.568	9.3	21.1	15 E	6*	—
1 21	20 13.75	− 5 32.7	2.508	1.574	9.0	21.1	14 E	5*	—
478465 2012 QS_{14}									
12 27	8 1.66	+14 37.2	1.311	2.243	10.6	20.2	155 W	60	49
1 1	7 55.91	+14 32.5	1.311	2.265	8.0	20.1	161 W	60	49
1 6	7 49.83	+14 30.1	1.318	2.287	5.5	20.0	167 W	60	49
1 11	7 43.62	+14 29.7	1.331	2.309	3.4	20.0	172 W	59	50
1 16	7 37.49	+14 31.1	1.351	2.331	3.0	20.0	173 E	60	49
1 21	7 31.65	+14 33.9	1.379	2.352	4.6	20.2	169 E	60	49
1 26	7 26.26	+14 37.7	1.413	2.374	6.8	20.3	163 E	60	49
2 5	7 17.36	+14 47.4	1.502	2.416	11.1	20.7	152 E	60	49
2 15	7 11.50	+14 58.3	1.614	2.458	14.8	21.0	141 E	60	49
2 25	7 8.90	+15 8.5	1.745	2.499	17.6	21.3	130 E	60	49
3 7	7 9.39	+15 16.8	1.891	2.540	19.7	21.6	120 E	60	49
508772 1998 WP_7									
12 27	8 1.90	−18 3.8	0.931	1.750	24.6	22.0	132 W	27	82
1 1	7 52.46	−19 6.2	0.915	1.753	23.4	21.9	135 W	26	83
1 6	7 42.18	−19 52.9	0.904	1.755	22.6	21.9	137 W	25	84
1 11	7 31.38	−20 21.9	0.898	1.756	22.1	21.9	138 W	25	84
1 16	7 20.43	−20 32.3	0.898	1.755	22.1	21.9	138 E	24	85
1 21	7 9.74	−20 24.3	0.902	1.754	22.6	21.9	137 E	25	84
1 26	6 59.70	−19 59.0	0.912	1.752	23.4	21.9	135 E	25	84

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
508772 1998 WP_7 *(continuation)*									
1 31	6 50.60	−19 18.6	0.926	1.748	24.6	22.0	132 E	26	83
2 5	6 42.67	−18 25.6	0.944	1.744	26.0	22.1	129 E	27	82
2 10	6 36.07	−17 22.7	0.967	1.739	27.4	22.2	126 E	28	81
517362 2014 KC_4									
12 27	8 1.93	−16 9.4	2.804	3.556	11.5	23.1	134 W	29	80
1 6	7 53.99	−16 23.5	2.751	3.556	10.4	23.0	139 W	29	80
1 16	7 45.32	−16 13.3	2.722	3.555	9.6	23.0	143 E	29	80
1 26	7 36.64	−15 38.8	2.718	3.553	9.6	23.0	143 E	29	80
2 5	7 28.68	−14 42.6	2.741	3.550	10.3	23.0	140 E	30	79
257851 2000 OA_{13}									
12 27	8 2.00	+19 51.4	1.567	2.501	8.9	21.0	157 W	65	44
1 1	7 56.73	+20 13.1	1.553	2.511	6.5	20.8	163 W	65	44
1 6	7 51.05	+20 35.6	1.547	2.520	4.0	20.7	170 W	66	43
1 11	7 45.11	+20 58.0	1.547	2.529	1.5	20.6	176 W	66	43
1 16	7 39.10	+21 19.9	1.556	2.539	1.1	20.5	177 E	66	43
1 21	7 33.22	+21 40.5	1.571	2.547	3.6	20.8	171 E	67	42
1 26	7 27.63	+21 59.4	1.594	2.556	6.0	20.9	164 E	67	42
1 31	7 22.50	+22 16.5	1.624	2.564	8.3	21.1	158 E	67	42
2 5	7 17.94	+22 31.6	1.661	2.572	10.4	21.2	152 E	68	41
2 10	7 14.07	+22 44.6	1.703	2.580	12.4	21.4	146 E	68	41
2 15	7 10.96	+22 55.5	1.752	2.588	14.2	21.5	140 E	68	41
102454 1999 TY_{218}									
12 27	8 2.06	+13 42.2	1.947	2.867	8.4	20.8	155 W	59	50
1 6	7 52.08	+14 10.1	1.916	2.881	4.6	20.6	167 W	59	50
1 16	7 41.23	+14 44.7	1.914	2.894	2.3	20.5	173 E	60	49
1 26	7 30.62	+15 22.6	1.944	2.905	5.1	20.7	165 E	60	49
2 5	7 21.32	+16 0.6	2.004	2.916	8.9	20.9	153 E	61	48
2 15	7 14.12	+16 36.4	2.089	2.926	12.2	21.2	141 E	62	47
2 25	7 9.52	+17 8.3	2.197	2.934	14.9	21.4	130 E	62	47
2064 Thomsen									
12 27	8 2.57	+22 12.4	1.921	2.853	7.7	16.8	157 W	67	42
1 1	7 57.21	+22 21.2	1.902	2.858	5.6	16.7	163 W	67	42
1 6	7 51.49	+22 29.8	1.890	2.863	3.5	16.6	170 W	67	42
1 11	7 45.52	+22 37.8	1.885	2.867	1.3	16.4	176 W	68	41
1 16	7 39.48	+22 44.7	1.888	2.871	1.1	16.4	177 E	68	41
1 21	7 33.52	+22 50.4	1.900	2.875	3.2	16.6	171 E	68	41
1 26	7 27.80	+22 54.7	1.919	2.878	5.4	16.7	164 E	68	41
1 31	7 22.47	+22 57.3	1.945	2.882	7.4	16.9	158 E	68	41
2 5	7 17.63	+22 58.5	1.978	2.885	9.3	17.0	152 E	68	41
2 15	7 9.80	+22 56.6	2.064	2.889	12.7	17.2	140 E	68	41
2 25	7 4.82	+22 50.1	2.170	2.893	15.5	17.4	129 E	68	41
3 7	7 2.77	+22 40.1	2.293	2.896	17.6	17.6	118 E	68	41
3 17	7 3.51	+22 27.2	2.426	2.897	19.0	17.8	108 E	67	42
3 27	7 6.79	+22 11.6	2.566	2.898	19.9	18.0	99 E	67*	42
4 6	7 12.25	+21 53.2	2.708	2.897	20.2	18.1	91 E	65*	42*
4 16	7 19.57	+21 31.5	2.849	2.895	20.1	18.2	83 E	60*	42*
4 26	7 28.45	+21 6.0	2.986	2.891	19.6	18.3	75 E	53*	42*
5 6	7 38.60	+20 36.2	3.117	2.887	18.8	18.3	68 E	46*	41*
5 16	7 49.81	+20 1.6	3.240	2.882	17.8	18.4	61 E	38*	39*
5 26	8 1.85	+19 22.0	3.353	2.875	16.5	18.4	54 E	31*	37*
6 5	8 14.57	+18 37.0	3.455	2.867	15.1	18.4	47 E	24*	34*
6 15	8 27.83	+17 46.5	3.544	2.858	13.5	18.4	41 E	18*	30*
6 25	8 41.50	+16 50.5	3.621	2.848	11.8	18.4	35 E	12*	26*
7 5	8 55.48	+15 48.9	3.683	2.836	10.0	18.3	29 E	7*	22*
7 15	9 9.71	+14 41.8	3.731	2.824	8.1	18.3	23 E	3*	17*
7 25	9 24.10	+13 29.6	3.764	2.810	6.1	18.2	17 E	—	11*
8 4	9 38.61	+12 12.3	3.783	2.796	4.1	18.1	11 E	—	5*
8 14	9 53.20	+10 50.2	3.785	2.780	2.1	18.0	6 E	—	—
8 24	10 7.82	+ 9 23.8	3.773	2.762	0.7	17.8	2 W	—	—
9 3	10 22.45	+ 7 53.4	3.745	2.744	2.3	17.9	6 W	—	—
9 13	10 37.07	+ 6 19.5	3.702	2.725	4.4	18.0	12 W	4*	3*
9 23	10 51.64	+ 4 42.4	3.644	2.704	6.4	18.1	18 W	9*	7*
10 3	11 6.15	+ 3 2.7	3.571	2.683	8.5	18.1	23 W	15*	11*
10 13	11 20.58	+ 1 20.9	3.485	2.660	10.6	18.1	29 W	20*	15*
10 23	11 34.89	− 0 22.4	3.385	2.636	12.6	18.1	35 W	25*	19*
11 2	11 49.06	− 2 6.6	3.274	2.611	14.5	18.1	41 W	29*	24*
11 12	12 3.04	− 3 51.2	3.150	2.584	16.4	18.0	47 W	32*	29*
11 22	12 16.77	− 5 35.4	3.017	2.557	18.1	18.0	54 W	35*	34*
12 2	12 30.19	− 7 18.6	2.874	2.529	19.7	17.9	60 W	36*	41*
12 12	12 43.20	− 9 0.2	2.724	2.499	21.2	17.8	66 W	36*	47*
12 22	12 55.68	−10 39.4	2.567	2.469	22.4	17.7	73 W	34	55*
1 1	13 7.47	−12 15.6	2.407	2.437	23.4	17.5	80 W	33	63*
1 11	13 18.38	−13 47.8	2.244	2.405	24.1	17.4	87 W	31	70*
1 21	13 28.14	−15 15.2	2.081	2.371	24.4	17.2	95 W	30	78*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
137173 1999 JY_4									
12 27	8 2.71	+34 5.2	1.799	2.726	8.5	20.6	156 W	79	30
1 1	7 57.12	+34 32.1	1.776	2.723	6.9	20.5	161 W	80	29
1 6	7 51.02	+34 56.1	1.760	2.720	5.6	20.5	164 W	80	29
1 11	7 44.58	+35 16.3	1.752	2.717	5.0	20.4	166 W	80	29
1 16	7 37.97	+35 32.0	1.751	2.714	5.3	20.4	165 E	81	28
1 21	7 31.42	+35 42.7	1.757	2.710	6.5	20.5	162 E	81	28
1 26	7 25.12	+35 48.3	1.771	2.706	8.1	20.6	157 E	81	28
1 31	7 19.25	+35 49.0	1.791	2.702	9.8	20.7	152 E	81	28
2 5	7 13.96	+35 45.0	1.818	2.697	11.6	20.8	147 E	81	28
2 10	7 9.39	+35 36.8	1.851	2.693	13.2	20.9	141 E	81	28
2 15	7 5.62	+35 25.1	1.889	2.688	14.8	21.0	136 E	80	29
2 20	7 2.71	+35 10.5	1.932	2.683	16.2	21.0	131 E	80	29
2 25	7 0.69	+34 53.6	1.979	2.678	17.5	21.1	125 E	80	29
3 2	6 59.56	+34 34.8	2.030	2.672	18.7	21.2	120 E	80	29
3 7	6 59.28	+34 14.7	2.083	2.666	19.6	21.3	116 E	79	30
3 12	6 59.84	+33 53.6	2.139	2.660	20.4	21.4	111 E	79	30
3 17	7 1.17	+33 31.6	2.197	2.654	21.1	21.5	106 E	79	30
377134 2003 JJ_{16}									
12 27	8 2.75	− 6 57.1	1.999	2.833	12.6	21.4	141 W	38	71
1 6	7 52.55	− 7 39.8	1.959	2.840	10.6	21.3	148 W	37	72
1 16	7 41.41	− 7 56.8	1.945	2.846	9.7	21.2	151 E	37	72
1 26	7 30.41	− 7 47.8	1.959	2.850	10.2	21.3	149 E	37	72
2 5	7 20.60	− 7 16.0	2.000	2.854	11.9	21.4	143 E	38	71
122463 2000 QP_{148}									
12 27	8 2.91	+10 48.0	1.829	2.743	9.3	19.5	153 W	56	53
1 6	7 52.71	+11 23.4	1.799	2.759	5.5	19.3	165 W	56	53
1 16	7 41.59	+12 9.1	1.798	2.773	3.2	19.2	171 E	57	52
1 26	7 30.73	+13 0.8	1.828	2.787	5.6	19.4	164 E	58	51
1 31	7 25.76	+13 27.6	1.854	2.793	7.5	19.5	158 E	58	51
2 5	7 21.25	+13 54.3	1.887	2.799	9.3	19.6	153 E	59	50
2 10	7 17.29	+14 20.7	1.926	2.805	11.1	19.8	147 E	59	50
2 15	7 13.96	+14 46.2	1.972	2.810	12.7	19.9	141 E	60	49
2 25	7 9.39	+15 33.8	2.079	2.820	15.6	20.1	130 E	61	48
3 7	7 7.65	+16 15.7	2.202	2.829	17.7	20.3	120 E	61	48
3 17	7 8.63	+16 50.9	2.337	2.837	19.2	20.5	110 E	62	47
3 27	7 12.10	+17 19.0	2.479	2.843	20.2	20.6	101 E	62	47
4 6	7 17.74	+17 39.7	2.625	2.848	20.5	20.8	92 E	61*	46
4 16	7 25.22	+17 52.9	2.771	2.853	20.5	20.9	84 E	57*	46*
4 26	7 34.27	+17 58.6	2.913	2.856	20.1	21.0	77 E	52*	45*
5 6	7 44.59	+17 56.6	3.051	2.857	19.3	21.1	69 E	45*	44*
5 16	7 55.97	+17 47.2	3.181	2.858	18.3	21.1	62 E	38*	42*
5 26	8 8.20	+17 30.3	3.302	2.858	17.0	21.2	56 E	31*	39*
6 5	8 21.11	+17 6.1	3.412	2.856	15.6	21.2	49 E	24*	36*
6 15	8 34.55	+16 34.9	3.511	2.853	14.0	21.2	43 E	18*	32*
6 25	8 48.41	+15 57.0	3.597	2.849	12.3	21.2	37 E	13*	28*
7 5	9 2.59	+15 12.7	3.670	2.844	10.5	21.2	31 E	8*	23*
7 15	9 17.01	+14 22.4	3.728	2.838	8.6	21.1	25 E	4*	18*
7 25	9 31.60	+13 26.5	3.772	2.830	6.7	21.0	19 E	1*	13*
8 4	9 46.29	+12 25.6	3.801	2.822	4.7	21.0	13 E	—	7*
8 14	10 1.07	+11 20.2	3.814	2.812	2.6	20.8	7 E	—	1*
8 24	10 15.87	+10 10.8	3.811	2.801	0.5	20.6	2 E	—	—
9 3	10 30.67	+ 8 58.1	3.793	2.789	1.6	20.7	4 W	—	—
9 13	10 45.45	+ 7 42.8	3.760	2.775	3.7	20.8	10 W	3*	1*
9 23	11 0.18	+ 6 25.5	3.711	2.761	5.8	20.9	16 W	9*	4*
10 3	11 14.84	+ 5 7.1	3.647	2.745	7.9	21.0	22 W	15*	8*
10 13	11 29.41	+ 3 48.3	3.568	2.729	9.9	21.0	28 W	20*	12*
10 23	11 43.83	+ 2 30.1	3.475	2.711	11.9	21.0	34 W	25*	16*
11 2	11 58.10	+ 1 13.4	3.369	2.692	13.8	21.0	40 W	30*	20*
11 12	12 12.15	− 0 0.9	3.251	2.672	15.7	20.9	47 W	35*	25*
11 22	12 25.92	− 1 11.4	3.121	2.650	17.4	20.9	53 W	38*	30*
12 2	12 39.34	− 2 17.2	2.982	2.628	18.9	20.8	60 W	40*	36*
12 12	12 52.30	− 3 16.8	2.834	2.604	20.3	20.7	67 W	41*	42*
12 22	13 4.67	− 4 8.9	2.679	2.580	21.5	20.6	74 W	41*	49*
1 1	13 16.30	− 4 51.9	2.519	2.554	22.3	20.5	81 W	40	56*
1 11	13 26.98	− 5 24.0	2.357	2.527	22.9	20.4	88 W	40	63*
1 21	13 36.46	− 5 43.6	2.194	2.499	23.0	20.2	96 W	39	68*
481985 2009 KM_7									
12 27	8 3.46	− 4 19.3	2.465	3.305	10.3	23.0	143 W	41	68
1 6	7 54.23	− 4 25.7	2.420	3.313	8.3	22.9	151 W	41	68
1 16	7 44.21	− 4 12.7	2.403	3.319	7.3	22.8	155 E	41	68
1 26	7 34.26	− 3 41.0	2.415	3.324	7.7	22.9	153 E	41	68
2 5	7 25.22	− 2 54.0	2.456	3.327	9.3	23.0	147 E	42	67
380160 2000 JO_{78}									
12 27	8 3.70	+24 1.8	2.130	3.060	7.2	22.3	157 W	69	40
1 1	7 58.25	+24 12.1	2.109	3.064	5.3	22.2	163 W	69	40
1 6	7 52.44	+24 21.8	2.096	3.069	3.3	22.1	170 W	69	40
1 11	7 46.40	+24 30.4	2.091	3.072	1.5	21.9	175 W	70	39

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
		380160 2000 JO_{78}				*(continuation)*			
1 16	7 40.28	+24 37.5	2.094	3.076	1.4	21.9	176 E	70	39
1 21	7 34.24	+24 42.9	2.106	3.079	3.2	22.1	170 E	70	39
1 26	7 28.41	+24 46.5	2.125	3.082	5.1	22.2	164 E	70	39
1 31	7 22.94	+24 48.1	2.151	3.085	7.0	22.3	158 E	70	39
2 5	7 17.92	+24 47.9	2.185	3.087	8.8	22.4	151 E	70	39
		181826 1998 SP_{49}							
12 27	8 4.10	+13 16.1	2.091	3.007	8.2	21.4	154 W	58	51
1 6	7 54.50	+13 38.7	2.058	3.020	4.6	21.2	166 W	59	50
1 16	7 44.04	+14 8.1	2.054	3.033	2.3	21.0	173 E	59	50
1 26	7 33.75	+14 41.3	2.082	3.044	4.7	21.2	165 E	60	49
2 5	7 24.62	+15 15.4	2.139	3.054	8.2	21.4	154 E	60	49
		261879 2006 GO_{53}							
12 27	8 5.80	+13 28.0	1.911	2.828	8.8	20.1	154 W	58	51
1 6	7 54.28	+12 53.2	1.876	2.838	5.0	19.9	165 W	58	51
1 16	7 41.85	+12 24.9	1.872	2.848	3.0	19.7	171 E	57	52
1 26	7 29.77	+12 2.7	1.899	2.856	5.7	19.9	163 E	57	52
2 5	7 19.14	+11 46.2	1.956	2.863	9.4	20.2	152 E	57	52
2 15	7 10.80	+11 34.6	2.040	2.870	12.7	20.4	140 E	57	52
2 25	7 5.23	+11 26.5	2.146	2.875	15.5	20.6	129 E	56	53
3 7	7 2.53	+11 20.6	2.268	2.879	17.6	20.8	119 E	56	53
3 17	7 2.57	+11 15.3	2.401	2.881	19.1	21.0	109 E	56	53
3 27	7 5.10	+11 9.0	2.540	2.883	19.9	21.1	100 E	56*	53
4 6	7 9.78	+11 0.3	2.682	2.884	20.3	21.3	91 E	54*	53*
4 16	7 16.31	+10 48.1	2.823	2.884	20.2	21.4	83 E	50*	53*
4 26	7 24.39	+10 31.4	2.960	2.882	19.8	21.4	76 E	44*	52*
		474204 2000 QE_{203}							
12 27	8 6.00	+15 2.7	1.868	2.788	8.7	22.6	154 W	60	49
1 6	7 55.85	+15 40.1	1.832	2.799	4.6	22.4	167 W	61	48
1 16	7 44.64	+16 23.3	1.827	2.808	1.7	22.2	175 E	61	48
1 26	7 33.58	+17 8.2	1.852	2.817	5.0	22.4	166 E	62	47
2 5	7 23.81	+17 51.2	1.907	2.824	8.9	22.7	154 E	63	46
		108519 2001 LF							
12 27	8 6.13	+ 8 7.6	0.967	1.888	14.6	19.9	151 W	53	56
1 1	7 59.13	+ 7 12.9	0.934	1.876	12.2	19.7	156 W	52	57
1 6	7 51.23	+ 6 21.0	0.907	1.864	10.0	19.6	161 W	51	58
1 11	7 42.63	+ 5 33.0	0.887	1.851	8.7	19.5	163 W	51	58
1 16	7 33.62	+ 4 49.8	0.874	1.838	8.8	19.4	163 E	50	59
1 21	7 24.54	+ 4 12.4	0.867	1.824	10.4	19.5	160 E	49	60
1 26	7 15.75	+ 3 41.2	0.866	1.810	12.9	19.5	156 E	49	60
2 5	7 0.20	+ 2 58.2	0.883	1.780	18.7	19.7	145 E	48	61
2 15	6 48.88	+ 2 39.2	0.919	1.749	24.3	20.0	133 E	48	61
2 25	6 42.71	+ 2 38.3	0.968	1.717	29.1	20.2	123 E	48	61
3 2	6 41.59	+ 2 42.5	0.995	1.700	31.1	20.3	118 E	48	61
3 7	6 41.70	+ 2 48.5	1.024	1.683	32.8	20.4	113 E	48	61
3 12	6 43.00	+ 2 55.7	1.054	1.666	34.4	20.4	109 E	48	61
3 17	6 45.42	+ 3 3.3	1.084	1.648	35.7	20.5	105 E	48	61
3 22	6 48.87	+ 3 10.7	1.114	1.630	36.9	20.6	101 E	48	61
3 27	6 53.27	+ 3 17.2	1.144	1.612	37.9	20.7	97 E	48*	61
4 1	6 58.55	+ 3 22.5	1.173	1.593	38.7	20.7	94 E	48*	61*
4 6	7 4.63	+ 3 26.2	1.200	1.575	39.4	20.7	91 E	47*	60*
4 11	7 11.47	+ 3 27.8	1.227	1.556	40.1	20.8	88 E	45*	60*
4 16	7 19.01	+ 3 27.1	1.252	1.537	40.6	20.8	85 E	44*	60*
4 21	7 27.21	+ 3 23.7	1.276	1.518	41.0	20.8	83 E	42*	60*
4 26	7 36.01	+ 3 17.5	1.298	1.499	41.4	20.9	80 E	40*	59*
5 1	7 45.36	+ 3 8.2	1.318	1.480	41.7	20.9	78 E	37*	59*
5 6	7 55.25	+ 2 55.7	1.336	1.461	42.0	20.9	76 E	35*	59*
5 11	8 5.66	+ 2 39.8	1.353	1.442	42.2	20.9	74 E	32*	58*
5 16	8 16.54	+ 2 20.5	1.368	1.423	42.4	20.9	72 E	30*	58*
5 21	8 27.89	+ 1 57.6	1.382	1.404	42.6	20.9	70 E	27*	57*
5 26	8 39.68	+ 1 31.0	1.393	1.386	42.8	20.9	68 E	25*	57*
5 31	8 51.89	+ 1 1.0	1.404	1.367	42.9	20.9	67 E	22*	56*
6 5	9 4.51	+ 0 27.4	1.412	1.349	43.0	20.9	65 E	20*	56*
6 10	9 17.55	− 0 9.8	1.420	1.332	43.2	20.9	64 E	18*	55*
6 15	9 30.99	− 0 50.3	1.426	1.315	43.3	20.8	63 E	16*	55*
6 20	9 44.83	− 1 34.1	1.430	1.298	43.4	20.8	61 E	14*	54*
6 25	9 59.05	− 2 21.0	1.434	1.283	43.5	20.8	60 E	12*	53*
6 30	10 13.66	− 3 10.7	1.437	1.267	43.6	20.8	59 E	11*	53*
7 5	10 28.65	− 4 2.8	1.439	1.253	43.7	20.8	58 E	9*	52*
7 10	10 44.03	− 4 57.2	1.441	1.240	43.8	20.7	58 E	8*	51*
7 15	10 59.80	− 5 53.3	1.442	1.227	43.9	20.7	57 E	8*	51*
7 20	11 15.96	− 6 50.9	1.443	1.216	43.9	20.7	56 E	7*	50*
7 25	11 32.48	− 7 49.2	1.445	1.205	43.9	20.7	55 E	7*	49*
7 30	11 49.38	− 8 47.8	1.446	1.196	43.9	20.7	55 E	7*	49*
8 4	12 6.65	− 9 46.1	1.448	1.188	43.9	20.7	54 E	7*	48*
8 9	12 24.27	−10 43.5	1.450	1.182	43.8	20.7	54 E	7*	48*
8 14	12 42.25	−11 39.4	1.454	1.176	43.7	20.7	53 E	7*	47*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
		108519 2001 LF				*(continuation)*			
8 19	13 0.54	−12 33.0	1.458	1.173	43.6	20.6	53 E	8*	47*
8 24	13 19.13	−13 23.8	1.463	1.170	43.4	20.6	53 E	8*	47*
8 29	13 38.00	−14 11.1	1.470	1.169	43.2	20.6	52 E	9*	46*
9 3	13 57.10	−14 54.3	1.478	1.170	42.9	20.6	52 E	10*	46*
9 8	14 16.41	−15 32.8	1.487	1.172	42.5	20.7	52 E	11*	46*
9 13	14 35.89	−16 6.2	1.498	1.175	42.1	20.7	52 E	11*	46*
9 18	14 55.47	−16 34.1	1.510	1.180	41.6	20.7	51 E	12*	45*
9 23	15 15.12	−16 56.0	1.525	1.186	41.1	20.7	51 E	13*	45*
9 28	15 34.79	−17 11.7	1.541	1.194	40.6	20.7	51 E	14*	44*
10 3	15 54.43	−17 21.1	1.559	1.203	39.9	20.7	51 E	15*	44*
10 8	16 13.99	−17 24.2	1.578	1.213	39.3	20.8	50 E	17*	43*
10 13	16 33.42	−17 20.8	1.599	1.224	38.6	20.8	50 E	18*	43*
10 18	16 52.69	−17 11.0	1.623	1.236	37.8	20.8	50 E	19*	42*
10 23	17 11.73	−16 55.1	1.647	1.249	37.1	20.9	49 E	20*	41*
10 28	17 30.53	−16 33.1	1.674	1.263	36.3	20.9	49 E	21*	40*
11 2	17 49.06	−16 5.5	1.702	1.278	35.4	20.9	48 E	22*	39*
11 7	18 7.29	−15 32.4	1.732	1.294	34.6	21.0	48 E	23*	37*
11 12	18 25.20	−14 54.3	1.763	1.310	33.7	21.0	47 E	24*	36*
11 17	18 42.77	−14 11.3	1.795	1.327	32.8	21.1	47 E	25*	34*
11 22	19 0.00	−13 23.9	1.829	1.344	31.9	21.1	46 E	25*	33*
11 27	19 16.87	−12 32.6	1.864	1.362	30.9	21.1	45 E	26*	31*
12 2	19 33.40	−11 37.5	1.900	1.380	30.0	21.2	44 E	27*	29*
12 7	19 49.58	−10 39.2	1.937	1.399	29.0	21.2	44 E	28*	27*
12 12	20 5.42	− 9 37.8	1.975	1.417	28.1	21.3	43 E	28*	25*
12 17	20 20.92	− 8 33.9	2.014	1.436	27.1	21.3	42 E	29*	23*
12 22	20 36.09	− 7 27.7	2.053	1.455	26.1	21.4	41 E	29*	20*
12 27	20 50.95	− 6 19.5	2.093	1.474	25.1	21.4	40 E	29*	18*
1 1	21 5.50	− 5 9.6	2.134	1.494	24.1	21.4	38 E	29*	16*
1 6	21 19.78	− 3 58.4	2.174	1.513	23.1	21.5	37 E	28*	14*
		367251 2007 PN_{49}							
12 27	8 7.23	+18 3.6	1.700	2.625	9.0	22.8	155 W	63	46
1 6	7 56.42	+18 28.3	1.664	2.634	4.5	22.5	168 W	63	46
1 16	7 44.45	+18 55.8	1.659	2.642	1.0	22.3	177 E	64	45
1 26	7 32.67	+19 22.2	1.683	2.648	5.3	22.6	166 E	64	45
2 5	7 22.38	+19 45.1	1.737	2.654	9.7	22.9	153 E	65	44
		495278 2013 RD_{32}							
12 27	8 8.34	+ 6 48.4	2.454	3.341	8.5	23.6	150 W	52	57
1 6	8 0.06	+ 7 5.3	2.360	3.301	5.8	23.3	160 W	52	57
1 16	7 50.56	+ 7 34.6	2.295	3.260	4.0	23.1	167 E	53	56
1 26	7 40.62	+ 8 14.9	2.262	3.218	5.0	23.1	163 E	53	56
2 5	7 31.15	+ 9 3.4	2.259	3.174	7.8	23.2	154 E	54	55
		118174 1991 RO_{24}							
12 27	8 8.91	+11 10.8	1.868	2.776	9.5	20.5	152 W	56	53
1 6	7 59.33	+11 51.2	1.840	2.798	5.7	20.3	164 W	57	52
1 16	7 48.78	+12 41.1	1.842	2.819	2.9	20.2	172 E	58	51
1 26	7 38.39	+13 36.4	1.874	2.839	4.9	20.3	166 E	59	50
1 31	7 33.60	+14 4.6	1.901	2.848	6.7	20.5	160 E	59	50
2 5	7 29.23	+14 32.6	1.936	2.858	8.5	20.6	155 E	60	49
2 10	7 25.38	+14 59.9	1.977	2.867	10.3	20.7	149 E	60	49
2 15	7 22.12	+15 26.1	2.024	2.876	11.9	20.8	143 E	60	49
2 20	7 19.51	+15 51.1	2.077	2.885	13.4	21.0	138 E	61	48
2 25	7 17.58	+16 14.5	2.135	2.893	14.7	21.1	132 E	61	48
3 2	7 16.33	+16 36.3	2.197	2.901	15.9	21.2	127 E	62	47
3 7	7 15.75	+16 56.3	2.263	2.909	16.9	21.3	122 E	62	47
3 12	7 15.83	+17 14.5	2.332	2.917	17.7	21.4	117 E	62	47
3 17	7 16.56	+17 30.8	2.404	2.924	18.4	21.5	112 E	63	46
		431148 2006 QR_{117}							
12 27	8 9.97	+28 0.1	1.840	2.765	8.4	22.1	156 W	73	36
1 1	8 4.67	+28 16.9	1.817	2.767	6.5	22.0	161 W	73	36
1 6	7 58.91	+28 32.2	1.802	2.769	4.6	21.9	167 W	74	35
1 11	7 52.83	+28 45.5	1.794	2.770	3.1	21.8	171 W	74	35
1 16	7 46.60	+28 56.2	1.794	2.771	2.8	21.8	172 E	74	35
1 21	7 40.39	+29 3.7	1.801	2.772	4.1	21.9	168 E	74	35
1 26	7 34.39	+29 8.1	1.816	2.773	5.9	22.0	163 E	74	35
1 31	7 28.76	+29 9.2	1.839	2.774	7.9	22.1	157 E	74	35
2 5	7 23.63	+29 7.1	1.868	2.774	9.8	22.2	151 E	74	35
2 10	7 19.12	+29 2.3	1.903	2.774	11.6	22.3	146 E	74	35
		488486 1999 VQ_6							
12 27	8 10.85	−51 15.0	0.634	1.274	49.1	19.9	102 W	—	65
1 6	8 19.41	−53 3.4	0.642	1.288	48.1	19.9	103 W	—	63
1 16	8 25.32	−53 24.1	0.646	1.311	46.4	19.9	105 W	—	63
1 26	8 29.69	−52 13.8	0.646	1.342	43.9	19.9	109 E	—	64
1 31	8 31.74	−51 3.9	0.646	1.360	42.4	19.9	111 E	—	65
2 5	8 33.90	−49 30.6	0.645	1.380	40.8	19.9	114 E	—	66
2 10	8 36.33	−47 34.0	0.646	1.401	39.0	19.8	117 E	—	68

488486 1999 VQ_6 *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
2 15	8 39.15	−45 14.9	0.648	1.424	37.1	19.8	120 E	—	71
2 20	8 42.48	−42 35.0	0.652	1.448	35.2	19.8	123 E	2	73
2 25	8 46.37	−39 37.3	0.659	1.473	33.2	19.8	125 E	5	76
3 2	8 50.82	−36 25.2	0.669	1.499	31.4	19.8	128 E	9	80
3 7	8 55.81	−33 3.0	0.684	1.526	29.8	19.9	130 E	12	83
3 12	9 1.31	−29 35.6	0.704	1.554	28.5	19.9	132 E	15	86
3 17	9 7.30	−26 8.1	0.728	1.582	27.5	20.0	133 E	19	90
3 22	9 13.72	−22 45.5	0.759	1.611	26.9	20.1	133 E	22	87
3 27	9 20.52	−19 32.0	0.794	1.641	26.7	20.3	132 E	25	84
4 1	9 27.63	−16 30.9	0.836	1.671	26.8	20.4	131 E	28	81
4 6	9 34.99	−13 44.4	0.882	1.702	27.1	20.6	129 E	31	78
4 11	9 42.56	−11 13.7	0.934	1.733	27.5	20.8	127 E	34	75
4 16	9 50.30	− 8 59.3	0.991	1.764	28.0	21.0	124 E	36	73
4 21	9 58.19	− 7 1.2	1.052	1.795	28.5	21.1	122 E	38	71
4 26	10 6.17	− 5 18.7	1.118	1.827	28.9	21.3	119 E	40	69
5 1	10 14.21	− 3 50.8	1.187	1.858	29.3	21.5	116 E	41	68

376571 2013 PA_{14}

12 27	8 11.26	+21 44.4	1.180	2.113	11.3	20.7	155 W	67	42
1 1	8 5.69	+21 51.7	1.173	2.128	8.4	20.6	161 W	67	42
1 6	7 59.61	+21 59.1	1.171	2.143	5.5	20.4	168 W	67	42
1 11	7 53.23	+22 6.0	1.177	2.158	2.5	20.3	174 W	67	42
1 16	7 46.79	+22 11.8	1.189	2.172	0.7	20.2	178 E	67	42
1 21	7 40.54	+22 16.1	1.208	2.187	3.5	20.4	172 E	67	42
1 26	7 34.71	+22 18.8	1.234	2.202	6.3	20.7	166 E	67	42
1 31	7 29.46	+22 19.6	1.266	2.216	8.9	20.8	160 E	67	42
2 5	7 24.95	+22 18.8	1.304	2.230	11.4	21.0	153 E	67	42
2 10	7 21.27	+22 16.5	1.349	2.245	13.6	21.2	148 E	67	42
2 15	7 18.50	+22 12.7	1.398	2.259	15.7	21.4	142 E	67	42

184830 2005 UQ_6

12 27	8 11.32	+26 48.9	1.924	2.848	8.3	20.6	155 W	72	37
1 1	8 6.20	+27 12.6	1.911	2.860	6.3	20.5	161 W	72	37
1 6	8 0.68	+27 35.1	1.905	2.872	4.4	20.4	167 W	73	36
1 11	7 54.90	+27 55.9	1.907	2.883	2.8	20.3	172 W	73	36
1 16	7 49.01	+28 14.2	1.916	2.895	2.5	20.3	173 E	73	36
1 21	7 43.18	+28 29.7	1.933	2.906	3.6	20.4	169 E	73	36
1 26	7 37.57	+28 42.1	1.958	2.917	5.4	20.5	164 E	74	35
1 31	7 32.32	+28 51.4	1.990	2.927	7.2	20.7	158 E	74	35
2 5	7 27.56	+28 57.5	2.029	2.938	9.0	20.8	152 E	74	35
2 10	7 23.37	+29 0.8	2.074	2.948	10.7	20.9	146 E	74	35
2 15	7 19.85	+29 1.4	2.126	2.958	12.2	21.0	141 E	74	35
2 20	7 17.04	+28 59.6	2.183	2.967	13.6	21.1	135 E	74	35
2 25	7 14.96	+28 55.9	2.244	2.977	14.8	21.3	130 E	74	35
3 2	7 13.61	+28 50.4	2.310	2.986	15.9	21.4	125 E	74	35
3 7	7 12.98	+28 43.4	2.379	2.995	16.8	21.5	119 E	74	35

482048 2009 WT_{259}

12 27	8 11.73	+23 26.6	1.693	2.619	9.1	21.3	155 W	68	41
1 1	8 6.57	+23 49.6	1.682	2.633	6.8	21.2	161 W	69	40
1 6	8 0.98	+24 12.1	1.678	2.647	4.6	21.1	168 W	69	40
1 11	7 55.13	+24 33.6	1.682	2.661	2.4	21.0	174 W	70	39
1 16	7 49.17	+24 53.4	1.693	2.675	1.4	21.0	176 E	70	39
1 21	7 43.31	+25 11.0	1.711	2.689	3.1	21.1	172 E	70	39
1 26	7 37.69	+25 26.0	1.737	2.702	5.2	21.3	166 E	70	39
1 31	7 32.49	+25 38.4	1.771	2.715	7.3	21.4	159 E	71	38
2 5	7 27.81	+25 48.0	1.811	2.728	9.3	21.6	153 E	71	38
2 10	7 23.77	+25 55.0	1.857	2.741	11.2	21.7	147 E	71	38

307298 2002 QV_6

12 27	8 11.74	+47 55.4	2.415	3.286	9.3	21.8	147 W	87	16
1 1	8 5.09	+48 10.2	2.383	3.274	8.6	21.7	150 W	87	16
1 6	7 57.89	+48 19.6	2.358	3.261	8.0	21.7	152 W	87	16
1 11	7 50.30	+48 22.7	2.341	3.249	7.9	21.7	153 W	87	16
1 16	7 42.52	+48 19.1	2.331	3.236	8.0	21.7	153 E	87	16
1 21	7 34.78	+48 8.5	2.327	3.223	8.6	21.7	151 E	87	16
1 26	7 27.28	+47 51.0	2.332	3.209	9.4	21.7	148 E	87	16
1 31	7 20.22	+47 26.8	2.343	3.195	10.3	21.7	144 E	88	17
2 5	7 13.76	+46 56.8	2.360	3.181	11.4	21.8	140 E	88	17
2 10	7 8.03	+46 21.6	2.384	3.167	12.5	21.8	136 E	89	18

181797 1998 MR_2

12 27	8 12.74	+24 8.2	1.880	2.803	8.5	20.0	155 W	69	40
1 1	8 7.39	+25 5.4	1.876	2.825	6.4	19.9	161 W	70	39
1 6	8 1.63	+26 1.6	1.880	2.848	4.4	19.8	167 W	71	38
1 11	7 55.61	+26 55.9	1.892	2.870	2.7	19.8	172 W	72	37
1 16	7 49.48	+27 47.1	1.912	2.891	2.3	19.8	173 E	73	36
1 21	7 43.43	+28 34.5	1.940	2.913	3.6	19.9	169 E	74	35
1 26	7 37.61	+29 17.6	1.977	2.934	5.5	20.1	164 E	74	35
1 31	7 32.17	+29 55.9	2.020	2.955	7.3	20.2	158 E	75	34
2 5	7 27.23	+30 29.6	2.071	2.976	9.1	20.4	152 E	75	34

181797 1998 MR_2 *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
2 10	7 22.88	+30 58.5	2.129	2.996	10.7	20.5	146 E	76	33
2 15	7 19.20	+31 23.0	2.193	3.016	12.2	20.6	140 E	76	33
2 20	7 16.25	+31 43.5	2.262	3.036	13.5	20.8	134 E	77	32
2 25	7 14.04	+32 0.3	2.336	3.056	14.6	20.9	129 E	77	32
3 2	7 12.57	+32 13.8	2.414	3.075	15.6	21.0	124 E	77	32
3 7	7 11.82	+32 24.5	2.496	3.095	16.4	21.1	119 E	77	32
3 12	7 11.78	+32 32.6	2.580	3.114	17.0	21.2	114 E	78	31
3 17	7 12.40	+32 38.4	2.667	3.132	17.5	21.3	109 E	78	31
3 22	7 13.66	+32 42.3	2.755	3.151	17.9	21.4	104 E	78	31

229835 2009 QA_{31}

12 27	8 12.77	+39 0.0	1.825	2.733	9.7	21.2	152 W	84	25
1 1	8 6.86	+39 28.5	1.813	2.741	8.3	21.2	156 W	84	25
1 6	8 0.43	+39 52.7	1.808	2.750	7.2	21.1	159 W	85	24
1 11	7 53.65	+40 11.7	1.810	2.758	6.7	21.1	161 W	85	24
1 16	7 46.75	+40 24.7	1.819	2.766	6.8	21.1	161 E	85	24
1 21	7 39.93	+40 31.4	1.835	2.774	7.5	21.2	158 E	86	23
1 26	7 33.41	+40 31.9	1.859	2.781	8.7	21.3	155 E	86	23
1 31	7 27.36	+40 26.6	1.889	2.789	10.1	21.4	150 E	85	24
2 5	7 21.95	+40 15.8	1.926	2.796	11.5	21.5	146 E	85	24
2 10	7 17.28	+40 0.4	1.968	2.802	12.9	21.6	141 E	85	24

312942 1995 EK_1

12 27	8 12.79	+30 20.6	3.111	4.022	6.0	23.3	155 W	75	34
1 1	8 7.66	+30 39.2	3.083	4.022	4.7	23.2	160 W	76	33
1 6	8 2.21	+30 56.4	3.062	4.021	3.6	23.1	165 W	76	33
1 11	7 56.52	+31 11.9	3.050	4.020	2.7	23.0	169 W	76	33
1 16	7 50.69	+31 25.0	3.047	4.018	2.5	23.0	170 E	76	33
1 21	7 44.85	+31 35.7	3.051	4.016	3.2	23.1	167 E	77	32
1 26	7 39.10	+31 43.6	3.065	4.014	4.3	23.1	162 E	77	32
1 31	7 33.54	+31 48.8	3.086	4.011	5.5	23.2	157 E	77	32

86964 2000 JV_2

12 27	8 13.16	+18 59.3	2.238	3.152	7.8	20.7	154 W	64	45
1 6	8 4.18	+19 42.6	2.186	3.150	4.2	20.5	167 W	65	44
1 16	7 54.04	+20 28.3	2.164	3.148	0.3	20.1	179 W	65	44
1 26	7 43.70	+21 12.3	2.174	3.144	3.7	20.4	168 E	66	43
1 31	7 38.78	+21 32.7	2.190	3.141	5.6	20.5	162 E	67	42
2 5	7 34.18	+21 51.7	2.214	3.139	7.4	20.6	156 E	67	42
2 10	7 29.99	+22 8.9	2.245	3.136	9.2	20.8	150 E	67	42
2 15	7 26.32	+22 24.4	2.282	3.133	10.8	20.8	144 E	67	42
2 20	7 23.22	+22 38.1	2.326	3.130	12.2	20.9	138 E	68	41
2 25	7 20.75	+22 50.0	2.374	3.126	13.6	21.0	132 E	68	41
3 2	7 18.92	+23 0.2	2.427	3.123	14.7	21.1	127 E	68	41
3 7	7 17.74	+23 8.7	2.484	3.119	15.7	21.2	121 E	68	41
3 12	7 17.21	+23 15.6	2.544	3.114	16.6	21.3	116 E	68	41
3 17	7 17.33	+23 21.0	2.606	3.110	17.3	21.4	111 E	68	41
3 22	7 18.07	+23 24.9	2.671	3.105	17.9	21.4	107 E	68	41
3 27	7 19.39	+23 27.3	2.737	3.100	18.4	21.5	102 E	68	41

322651 1999 JP_5

12 27	8 13.26	+31 15.0	1.919	2.838	8.6	21.6	154 W	76	33
1 1	8 8.07	+31 46.3	1.898	2.841	6.9	21.5	160 W	77	32
1 6	8 2.38	+32 15.6	1.883	2.843	5.3	21.4	164 W	77	32
1 11	7 56.34	+32 42.2	1.877	2.845	4.3	21.3	168 W	78	31
1 16	7 50.09	+33 5.3	1.877	2.847	4.2	21.3	168 E	78	31
1 21	7 43.84	+33 24.3	1.886	2.848	5.1	21.4	165 E	78	31
1 26	7 37.75	+33 38.8	1.902	2.849	6.6	21.5	161 E	79	30
1 31	7 32.00	+33 48.9	1.925	2.850	8.3	21.6	155 E	79	30
2 5	7 26.73	+33 54.7	1.955	2.851	10.0	21.7	150 E	79	30
2 10	7 22.06	+33 56.3	1.991	2.851	11.6	21.8	144 E	79	30

190758 2001 QH_{96}

12 27	8 13.40	− 1 8.6	1.466	2.333	14.4	21.9	144 W	44	65
1 6	8 1.72	− 0 48.3	1.426	2.346	10.9	21.7	153 W	44	65
1 16	7 48.60	+ 0 0.2	1.413	2.358	8.6	21.6	159 E	45	64
1 26	7 35.55	+ 1 13.1	1.428	2.367	9.2	21.7	157 E	46	63
2 5	7 24.04	+ 2 42.7	1.470	2.375	12.1	21.8	150 E	48	61

236978 2008 OG_3

12 27	8 13.68	+14 49.3	1.446	2.363	11.0	20.1	153 W	60	49
1 1	8 8.90	+15 10.6	1.437	2.381	8.6	20.0	159 W	60	49
1 6	8 3.69	+15 34.2	1.435	2.399	6.1	19.9	165 W	61	48
1 11	7 58.19	+15 59.6	1.440	2.416	3.6	19.8	171 W	61	48
1 16	7 52.59	+16 25.8	1.452	2.434	1.8	19.7	175 W	61	48
1 21	7 47.09	+16 52.3	1.471	2.451	2.7	19.8	173 E	62	47
1 26	7 41.85	+17 18.4	1.498	2.469	4.9	20.0	168 E	62	47
1 31	7 37.03	+17 43.5	1.531	2.486	7.2	20.1	162 E	63	46
2 5	7 32.76	+18 7.2	1.571	2.503	9.3	20.3	156 E	63	46

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
236978 2008 OG_3 *(continuation)*									
2 15	7 26.22	+18 49.4	1.670	2.536	13.2	20.6	144 E	64	45
2 25	7 22.71	+19 23.7	1.789	2.569	16.3	20.9	133 E	64	45
3 7	7 22.26	+19 49.7	1.925	2.602	18.7	21.2	123 E	65	44
3 17	7 24.64	+20 7.6	2.074	2.633	20.3	21.4	113 E	65	44
468450 2003 OW_{16}									
12 27	8 14.00	− 8 19.1	1.739	2.559	14.8	20.8	138 W	37	72
1 6	8 3.30	− 9 1.9	1.721	2.593	12.4	20.7	146 W	36	73
1 16	7 51.62	− 9 13.9	1.729	2.626	10.9	20.7	150 W	36	73
1 26	7 40.22	− 8 55.8	1.762	2.657	10.9	20.7	149 E	36	73
2 5	7 30.23	− 8 12.5	1.822	2.687	12.3	20.9	145 E	37	72
2 15	7 22.50	− 7 11.1	1.905	2.716	14.2	21.1	137 E	38	71
2 25	7 17.51	− 5 59.5	2.010	2.744	16.2	21.3	129 E	39	70
3 7	7 15.36	− 4 44.9	2.131	2.771	18.0	21.5	121 E	40	69
21374 1997 WS_{22}									
12 27	8 15.65	+67 2.6	0.536	1.404	30.9	18.1	133 W	68	—
12 29	8 10.80	+68 21.4	0.537	1.403	31.2	18.1	132 W	67	—
12 31	8 5.03	+69 36.0	0.538	1.401	31.5	18.1	132 W	65	—
1 2	7 58.27	+70 45.9	0.540	1.399	31.9	18.1	131 W	64	—
1 4	7 50.48	+71 50.6	0.543	1.398	32.4	18.2	130 W	63	—
1 6	7 41.64	+72 49.7	0.546	1.396	32.9	18.2	129 W	62	—
1 8	7 31.76	+73 42.6	0.550	1.394	33.5	18.2	129 W	61	—
1 10	7 20.92	+74 29.1	0.554	1.392	34.1	18.3	128 E	61	—
1 12	7 9.26	+75 8.8	0.558	1.390	34.7	18.3	126 E	60	—
1 14	6 56.97	+75 41.7	0.563	1.388	35.3	18.3	125 E	59	—
1 16	6 44.31	+76 7.8	0.568	1.385	36.0	18.4	124 E	59	—
1 17	6 37.93	+76 18.3	0.571	1.384	36.3	18.4	124 E	59	—
1 18	6 31.57	+76 27.2	0.574	1.383	36.6	18.4	123 E	59	—
1 19	6 25.27	+76 34.6	0.577	1.382	36.9	18.4	122 E	58	—
1 20	6 19.07	+76 40.4	0.580	1.381	37.2	18.4	122 E	58	—
1 21	6 13.00	+76 44.7	0.583	1.380	37.6	18.4	121 E	58	—
1 22	6 7.10	+76 47.7	0.586	1.379	37.9	18.5	121 E	58	—
1 23	6 1.39	+76 49.4	0.589	1.377	38.2	18.5	120 E	58	—
1 24	5 55.91	+76 49.9	0.592	1.376	38.5	18.5	120 E	58	—
1 25	5 50.67	+76 49.2	0.595	1.375	38.8	18.5	119 E	58	—
1 26	5 45.71	+76 47.4	0.599	1.374	39.1	18.5	118 E	58	—
1 27	5 41.03	+76 44.7	0.602	1.372	39.4	18.6	118 E	58	—
1 28	5 36.64	+76 41.0	0.605	1.371	39.7	18.6	117 E	58	—
1 29	5 32.56	+76 36.5	0.609	1.370	40.0	18.6	117 E	58	—
1 30	5 28.78	+76 31.3	0.612	1.369	40.3	18.6	116 E	58	—
1 31	5 25.32	+76 25.4	0.615	1.367	40.6	18.6	115 E	59	—
2 1	5 22.17	+76 18.8	0.619	1.366	40.9	18.6	115 E	59	—
2 2	5 19.33	+76 11.7	0.622	1.365	41.2	18.7	114 E	59	—
2 3	5 16.80	+76 4.1	0.626	1.363	41.5	18.7	114 E	59	—
2 4	5 14.57	+75 56.0	0.629	1.362	41.7	18.7	113 E	59	—
2 5	5 12.63	+75 47.5	0.633	1.361	42.0	18.7	113 E	59	—
2 7	5 9.60	+75 29.5	0.640	1.358	42.5	18.7	111 E	60	—
2 9	5 7.65	+75 10.3	0.647	1.355	43.0	18.8	110 E	60	—
2 11	5 6.71	+74 50.2	0.654	1.352	43.5	18.8	109 E	60	—
2 13	5 6.71	+74 29.4	0.660	1.349	44.0	18.8	108 E	61	—
2 15	5 7.55	+74 8.0	0.667	1.346	44.5	18.9	107 E	61	—
2 17	5 9.18	+73 46.1	0.674	1.343	44.9	18.9	106 E	61	—
2 19	5 11.52	+73 23.9	0.681	1.340	45.4	18.9	105 E	62	—
2 21	5 14.50	+73 1.2	0.687	1.337	45.8	19.0	104 E	62	—
2 23	5 18.06	+72 38.2	0.694	1.334	46.2	19.0	103 E	62	—
2 25	5 22.13	+72 14.7	0.700	1.331	46.6	19.0	103 E	63	—
2 27	5 26.68	+71 50.8	0.706	1.327	46.9	19.0	102 E	63	—
3 1	5 31.65	+71 26.3	0.712	1.324	47.3	19.1	101 E	64	—
3 3	5 36.99	+71 1.3	0.718	1.321	47.7	19.1	100 E	64	—
3 5	5 42.67	+70 35.6	0.724	1.317	48.0	19.1	99 E	64	—
3 7	5 48.65	+70 9.2	0.729	1.314	48.3	19.1	98 E	65	—
3 9	5 54.90	+69 42.0	0.734	1.311	48.7	19.1	98 E	65	—
3 11	6 1.38	+69 13.8	0.740	1.307	49.0	19.2	97 E	66	—
3 13	6 8.06	+68 44.8	0.745	1.304	49.3	19.2	96 E	66	—
3 15	6 14.92	+68 14.6	0.749	1.300	49.6	19.2	95 E	67	—
3 17	6 21.93	+67 43.5	0.754	1.297	49.9	19.2	95 E	67	—
3 19	6 29.05	+67 11.1	0.758	1.293	50.2	19.2	94 E	68	—
3 21	6 36.28	+66 37.5	0.763	1.289	50.5	19.2	93 E	68	—
3 23	6 43.57	+66 2.7	0.767	1.286	50.7	19.3	93 E	69*	—
3 25	6 50.90	+65 26.5	0.770	1.282	51.0	19.3	92 E	70*	—
3 27	6 58.27	+64 49.0	0.774	1.279	51.3	19.3	91 E	70*	—
4 1	7 16.68	+63 8.6	0.782	1.269	51.9	19.3	90 E	72*	1
4 6	7 34.92	+61 18.6	0.790	1.260	52.5	19.3	89 E	73*	3
4 11	7 52.83	+59 18.4	0.796	1.251	53.2	19.3	87 E	75*	5
4 16	8 10.30	+57 7.9	0.802	1.242	53.7	19.4	86 E	76*	7
4 21	8 27.25	+54 47.1	0.806	1.232	54.3	19.4	85 E	77*	9
4 26	8 43.61	+52 16.1	0.810	1.223	54.9	19.4	84 E	77*	12
5 1	8 59.37	+49 35.2	0.814	1.214	55.4	19.4	83 E	77*	14
5 6	9 14.54	+46 44.5	0.817	1.205	55.9	19.4	82 E	75*	17

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
21374 1997 WS_{22} *(continuation)*									
5 11	9 29.16	+43 44.6	0.821	1.197	56.5	19.4	81 E	73*	20
5 16	9 43.27	+40 36.1	0.824	1.188	56.9	19.4	80 E	70*	23
5 21	9 56.90	+37 19.7	0.827	1.180	57.4	19.4	79 E	66*	27
5 26	10 10.10	+33 56.2	0.831	1.172	57.8	19.4	78 E	62*	30
5 31	10 22.89	+30 26.6	0.835	1.165	58.2	19.4	77 E	58*	34
6 5	10 35.35	+26 51.7	0.840	1.158	58.5	19.4	77 E	54*	37
6 10	10 47.54	+23 12.4	0.846	1.151	58.8	19.5	76 E	50*	41*
6 15	10 59.50	+19 30.0	0.853	1.145	59.0	19.5	75 E	45*	44*
6 20	11 11.28	+15 45.4	0.860	1.139	59.2	19.5	74 E	41*	48*
6 25	11 22.93	+11 59.8	0.868	1.134	59.3	19.5	74 E	37*	51*
6 30	11 34.50	+ 8 14.2	0.877	1.130	59.3	19.5	73 E	33*	54*
7 5	11 46.05	+ 4 29.7	0.887	1.126	59.3	19.5	72 E	29*	57*
7 10	11 57.65	+ 0 47.0	0.898	1.122	59.2	19.5	71 E	25*	59*
7 15	12 9.35	− 2 52.9	0.910	1.120	59.0	19.6	71 E	21*	61*
7 20	12 21.21	− 6 29.2	0.922	1.118	58.8	19.6	70 E	18*	62*
7 25	12 33.28	−10 1.3	0.935	1.117	58.5	19.6	70 E	15*	63*
8 4	12 58.39	−16 49.9	0.962	1.117	57.9	19.6	69 E	9*	63*
8 14	13 25.32	−23 14.4	0.990	1.119	57.0	19.7	68 E	5*	61*
8 24	13 54.79	−29 10.1	1.019	1.125	56.0	19.7	67 E	1*	59*
8 29	14 10.72	−31 55.5	1.033	1.129	55.5	19.8	67 E	—	57*
9 3	14 27.58	−34 31.5	1.047	1.133	55.0	19.8	67 E	—	56*
9 8	14 45.50	−36 57.2	1.061	1.138	54.4	19.8	67 E	—	55*
9 13	15 4.55	−39 11.5	1.075	1.143	53.8	19.8	67 E	—	54*
9 18	15 24.80	−41 13.2	1.089	1.149	53.3	19.8	66 E	—	54*
9 23	15 46.28	−43 0.9	1.104	1.156	52.7	19.9	66 E	—	53*
9 28	16 8.99	−44 32.9	1.118	1.163	52.1	19.9	66 E	—	53*
10 3	16 32.85	−45 47.9	1.132	1.170	51.5	19.9	66 E	—	53*
10 8	16 57.75	−46 44.3	1.147	1.178	50.9	19.9	66 E	—	53*
10 13	17 23.45	−47 21.1	1.162	1.186	50.3	20.0	66 E	—	54*
10 18	17 49.65	−47 37.4	1.178	1.195	49.7	20.0	66 E	—	54*
10 23	18 16.03	−47 32.7	1.195	1.203	49.0	20.0	66 E	—	55*
10 28	18 42.24	−47 7.3	1.212	1.212	48.4	20.1	66 E	—	55*
11 2	19 7.96	−46 22.0	1.230	1.221	47.8	20.1	66 E	—	56*
11 7	19 32.92	−45 17.9	1.249	1.230	47.1	20.1	65 E	—	57*
11 12	19 56.91	−43 56.7	1.270	1.239	46.4	20.1	65 E	1*	57*
11 17	20 19.80	−42 20.5	1.292	1.249	45.8	20.2	65 E	2*	58*
11 22	20 41.52	−40 31.0	1.315	1.258	45.1	20.2	64 E	4*	58*
11 27	21 2.07	−38 30.5	1.339	1.267	44.4	20.3	64 E	6*	58*
12 2	21 21.50	−36 20.7	1.365	1.276	43.7	20.3	63 E	9*	57*
12 7	21 39.88	−34 3.6	1.392	1.285	43.0	20.3	63 E	11*	57*
12 12	21 57.28	−31 40.8	1.421	1.294	42.2	20.4	62 E	13*	55*
12 17	22 13.81	−29 13.8	1.451	1.303	41.4	20.4	61 E	16*	54*
12 22	22 29.55	−26 43.9	1.482	1.312	40.7	20.4	60 E	18*	52*
12 27	22 44.59	−24 12.3	1.514	1.320	39.9	20.5	59 E	20*	50*
1 1	22 59.04	−21 39.7	1.547	1.329	39.1	20.5	58 E	23*	48*
1 6	23 12.97	−19 7.1	1.581	1.337	38.2	20.6	57 E	25*	46*
1 11	23 26.46	−16 35.2	1.616	1.344	37.4	20.6	56 E	27*	43*
1 16	23 39.56	−14 4.6	1.652	1.352	36.5	20.6	55 E	28*	41*
1 21	23 52.35	−11 35.6	1.688	1.359	35.7	20.7	54 E	30*	39*
319477 2006 PC_{27}									
12 27	8 15.69	+17 50.9	1.828	2.742	9.3	21.1	153 W	63	46
1 6	8 6.15	+18 45.8	1.779	2.743	5.0	20.9	166 W	64	45
1 16	7 55.18	+19 45.0	1.759	2.742	0.6	20.5	178 W	65	44
1 26	7 43.95	+20 43.2	1.770	2.741	4.2	20.8	168 E	66	43
2 5	7 33.71	+21 35.9	1.810	2.739	8.6	21.1	156 E	67	42
2 15	7 25.49	+22 20.2	1.878	2.735	12.4	21.3	143 E	67	42
99869 2002 PF_{46}									
12 27	8 15.89	+15 36.3	1.860	2.770	9.4	19.5	152 W	61	48
1 6	8 7.05	+15 57.1	1.771	2.731	5.5	19.2	165 W	61	48
1 16	7 56.42	+16 25.2	1.710	2.691	1.7	18.8	175 W	61	48
1 26	7 45.06	+16 57.3	1.679	2.651	4.3	18.9	168 E	62	47
1 31	7 39.51	+17 13.8	1.675	2.630	6.6	19.0	162 E	62	47
2 5	7 34.24	+17 30.1	1.677	2.609	8.8	19.1	156 E	63	46
2 10	7 29.41	+17 45.8	1.687	2.588	11.0	19.2	150 E	63	46
2 15	7 25.15	+18 0.6	1.703	2.567	13.1	19.3	144 E	63	46
2 25	7 18.72	+18 27.0	1.750	2.524	16.9	19.4	132 E	63	46
3 7	7 15.44	+18 48.3	1.813	2.480	20.0	19.6	121 E	64	45
3 17	7 15.45	+19 4.0	1.888	2.435	22.4	19.7	111 E	64	45
3 27	7 18.63	+19 13.5	1.970	2.390	24.1	19.8	102 E	64	45
4 6	7 24.70	+19 16.2	2.054	2.344	25.2	19.9	94 E	63*	45
4 16	7 33.35	+19 11.5	2.137	2.297	25.8	19.9	86 E	59*	45*
4 26	7 44.25	+18 58.5	2.216	2.250	26.0	20.0	79 E	54*	44*
5 6	7 57.08	+18 36.5	2.290	2.203	25.9	20.0	72 E	47*	44*
5 16	8 11.59	+18 4.6	2.358	2.155	25.4	20.0	66 E	41*	43*
5 26	8 27.53	+17 22.4	2.417	2.107	24.7	20.0	60 E	34*	42*
6 5	8 44.71	+16 29.1	2.468	2.059	23.8	19.9	55 E	28*	40*
6 15	9 2.96	+15 24.4	2.511	2.012	22.7	19.9	50 E	22*	38*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
99869 2002 PF_{46} *(continuation)*									
6 25	9 22.16	+14 7.9	2.545	1.964	21.5	19.8	45 E	17*	35*
7 5	9 42.18	+12 39.8	2.570	1.917	20.2	19.8	41 E	13*	32*
7 15	10 2.99	+11 0.0	2.588	1.871	18.8	19.7	36 E	10*	29*
7 25	10 24.51	+ 9 8.9	2.599	1.826	17.4	19.6	33 E	7*	26*
8 4	10 46.72	+ 7 7.2	2.603	1.783	15.9	19.5	29 E	5*	23*
8 14	11 9.64	+ 4 55.5	2.601	1.741	14.4	19.4	25 E	3*	19*
8 24	11 33.28	+ 2 35.1	2.594	1.701	12.9	19.3	22 E	2*	16*
9 3	11 57.68	+ 0 7.4	2.584	1.663	11.4	19.2	19 E	1*	13*
9 13	12 22.91	− 2 25.7	2.571	1.628	9.9	19.1	16 E	—	10*
9 23	12 49.03	− 5 1.8	2.556	1.597	8.3	18.9	13 E	—	7*
10 3	13 16.09	− 7 38.3	2.541	1.569	6.8	18.8	11 E	—	5*
10 13	13 44.18	−10 12.0	2.526	1.545	5.3	18.7	8 E	—	2*
10 23	14 13.32	−12 39.4	2.512	1.526	3.9	18.6	6 E	—	—
11 2	14 43.52	−14 56.5	2.500	1.511	2.4	18.5	4 E	—	—
11 12	15 14.74	−16 59.6	2.491	1.501	1.1	18.3	2 E	—	—
11 22	15 46.84	−18 44.7	2.484	1.497	1.0	18.3	1 W	—	—
12 2	16 19.65	−20 8.5	2.481	1.498	2.2	18.4	3 W	—	—
12 12	16 52.90	−21 8.4	2.481	1.504	3.7	18.5	6 W	—	—
12 22	17 26.26	−21 42.8	2.484	1.516	5.2	18.6	8 W	—	—
1 1	17 59.38	−21 51.2	2.489	1.532	6.7	18.7	10 W	2*	3*
1 11	18 31.92	−21 34.5	2.495	1.554	8.2	18.8	13 W	3*	5*
1 21	19 3.55	−20 54.3	2.502	1.579	9.8	18.9	16 W	4*	8*
505093 2011 VQ_5									
12 27	8 16.56	+55 15.8	0.243	1.184	30.9	18.7	142 W	80	9
12 29	8 24.80	+55 53.3	0.240	1.180	31.4	18.7	141 W	79	8
12 31	8 33.14	+56 26.4	0.237	1.176	31.8	18.7	141 W	79	8
1 2	8 41.54	+56 54.8	0.234	1.173	32.3	18.7	140 W	78	7
1 4	8 49.93	+57 18.3	0.231	1.170	32.7	18.6	140 W	78	7
1 6	8 58.24	+57 36.7	0.229	1.167	33.1	18.6	140 W	77	6
1 8	9 6.42	+57 49.7	0.227	1.165	33.4	18.6	139 W	77	6
1 10	9 14.39	+57 57.4	0.226	1.163	33.7	18.6	139 W	77	6
1 12	9 22.10	+57 59.7	0.224	1.162	33.9	18.6	139 W	77	6
1 14	9 29.48	+57 56.5	0.223	1.160	34.1	18.6	139 W	77	6
1 16	9 36.49	+57 47.9	0.222	1.160	34.2	18.6	138 W	77	6
1 18	9 43.09	+57 34.0	0.222	1.159	34.2	18.6	138 W	77	6
1 20	9 49.25	+57 14.9	0.222	1.159	34.2	18.6	139 W	78	7
1 22	9 54.95	+56 50.8	0.222	1.160	34.1	18.6	139 W	78	7
1 24	10 0.18	+56 21.9	0.222	1.160	33.9	18.6	139 W	79	8
1 26	10 4.93	+55 48.3	0.222	1.162	33.7	18.6	139 W	79	8
1 31	10 14.76	+54 5.5	0.224	1.166	32.7	18.6	140 W	81	10
2 5	10 21.86	+51 58.4	0.228	1.173	31.5	18.6	142 W	83	12
2 10	10 26.66	+49 30.1	0.233	1.182	29.9	18.6	143 W	86	15
2 15	10 29.74	+46 44.0	0.241	1.194	28.2	18.6	145 W	88	17
2 20	10 31.71	+43 44.2	0.251	1.207	26.5	18.7	147 W	89	20
2 25	10 33.07	+40 35.5	0.263	1.222	25.0	18.8	149 W	86	23
3 2	10 34.19	+37 22.7	0.278	1.239	23.8	18.9	150 E	82	27
3 7	10 35.33	+34 10.4	0.297	1.258	23.1	19.1	150 E	79	30
3 12	10 36.71	+31 2.3	0.318	1.278	23.0	19.2	150 E	76	33
3 17	10 38.50	+28 1.2	0.342	1.300	23.3	19.4	149 E	73	36
3 22	10 40.80	+25 9.1	0.370	1.323	24.0	19.7	147 E	70	39
3 27	10 43.63	+22 27.4	0.401	1.347	25.0	19.9	145 E	67	42
4 6	10 50.82	+17 35.9	0.473	1.398	27.2	20.4	140 E	63	46
4 16	10 59.88	+13 24.0	0.558	1.451	29.4	20.9	135 E	58	51
4 26	11 10.57	+ 9 44.8	0.655	1.507	31.2	21.4	129 E	55	54
5 6	11 22.53	+ 6 31.6	0.763	1.564	32.6	21.9	123 E	52	57
173154 1996 ME									
12 27	8 16.69	+17 49.5	1.729	2.643	9.7	20.5	153 W	63	46
1 1	8 11.84	+18 16.0	1.711	2.654	7.5	20.4	159 W	63	46
1 6	8 6.55	+18 43.9	1.701	2.665	5.2	20.3	166 W	64	45
1 11	8 0.93	+19 12.6	1.698	2.676	2.9	20.2	172 W	64	45
1 16	7 55.14	+19 41.3	1.703	2.686	0.6	20.0	178 W	65	44
1 21	7 49.37	+20 9.4	1.715	2.696	2.0	20.2	175 E	65	44
1 26	7 43.78	+20 36.2	1.735	2.706	4.3	20.3	168 E	66	43
1 31	7 38.51	+21 1.4	1.763	2.716	6.5	20.5	162 E	66	43
2 5	7 33.69	+21 24.5	1.797	2.725	8.6	20.6	156 E	66	43
2 10	7 29.45	+21 45.4	1.838	2.735	10.5	20.8	150 E	67	42
2 15	7 25.86	+22 4.0	1.885	2.744	12.3	20.9	144 E	67	42
2 20	7 22.99	+22 20.2	1.938	2.752	14.0	21.0	138 E	67	42
2 25	7 20.86	+22 34.2	1.996	2.761	15.4	21.2	132 E	68	41
3 2	7 19.49	+22 46.1	2.057	2.769	16.6	21.3	127 E	68	41
3 7	7 18.86	+22 55.9	2.123	2.777	17.7	21.4	122 E	68	41
3 12	7 18.95	+23 3.7	2.192	2.784	18.6	21.5	117 E	68	41
474202 2000 KO_6									
12 27	8 16.70	+13 18.4	1.976	2.878	9.4	22.5	151 W	58	51
1 6	8 6.98	+13 37.0	1.921	2.877	5.6	22.3	163 W	59	50
1 16	7 55.95	+14 3.5	1.896	2.875	2.4	22.0	173 W	59	50
1 26	7 44.69	+14 34.6	1.902	2.871	4.2	22.2	168 E	60	49
2 5	7 34.34	+15 7.3	1.938	2.867	8.1	22.4	156 E	60	49

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
278635 2008 RQ_1									
12 27	8 17.11	+12 14.8	1.930	2.830	9.7	21.6	151 W	57	52
1 6	8 7.67	+12 25.5	1.901	2.854	5.9	21.4	163 W	57	52
1 16	7 57.18	+12 44.6	1.901	2.878	2.9	21.3	172 W	58	51
1 26	7 46.75	+13 9.4	1.931	2.900	4.2	21.4	167 E	58	51
2 5	7 37.42	+13 36.8	1.991	2.922	7.7	21.7	156 E	59	50
2 15	7 30.02	+14 4.2	2.079	2.943	11.1	21.9	145 E	59	50
143081 2002 XC_5									
12 27	8 17.31	+18 5.4	1.456	2.375	10.9	19.3	153 W	63	46
1 1	8 12.24	+18 40.3	1.449	2.394	8.3	19.2	159 W	64	45
1 6	8 6.70	+19 16.4	1.447	2.413	5.7	19.1	166 W	64	45
1 11	8 0.85	+19 52.9	1.453	2.432	3.1	19.0	172 W	65	44
1 16	7 54.88	+20 28.8	1.467	2.450	0.4	18.8	179 W	65	44
1 21	7 48.98	+21 3.2	1.487	2.469	2.2	19.0	174 E	66	43
1 26	7 43.35	+21 35.6	1.515	2.487	4.7	19.2	168 E	67	42
1 31	7 38.15	+22 5.3	1.551	2.505	7.1	19.4	162 E	67	42
2 5	7 33.50	+22 32.1	1.593	2.522	9.4	19.5	155 E	68	41
2 15	7 26.29	+23 16.6	1.695	2.557	13.3	19.9	143 E	68	41
2 25	7 22.23	+23 49.1	1.818	2.591	16.4	20.1	132 E	69	40
3 7	7 21.34	+24 10.9	1.958	2.624	18.7	20.4	122 E	69	40
3 17	7 23.39	+24 23.3	2.110	2.656	20.2	20.7	113 E	69	40
3 27	7 28.04	+24 27.5	2.270	2.687	21.1	20.9	104 E	69	40
4 6	7 34.84	+24 24.1	2.434	2.717	21.5	21.0	95 E	69*	40
4 16	7 43.43	+24 13.7	2.600	2.747	21.4	21.2	88 E	65*	40*
4 26	7 53.46	+23 56.6	2.765	2.775	20.9	21.4	80 E	59*	40*
5 6	8 4.62	+23 33.0	2.926	2.802	20.1	21.5	73 E	52*	39*
471006 2009 SK_{235}									
12 27	8 17.72	+32 18.5	1.449	2.369	10.7	21.1	153 W	77	32
1 1	8 11.75	+32 43.0	1.445	2.388	8.6	21.0	159 W	78	31
1 6	8 5.27	+33 4.2	1.447	2.406	6.7	20.9	163 W	78	31
1 11	7 58.48	+33 21.1	1.457	2.425	5.3	20.9	167 W	78	31
1 16	7 51.62	+33 33.0	1.474	2.443	5.0	20.9	167 W	79	30
1 21	7 44.92	+33 39.6	1.497	2.461	5.9	21.0	165 E	79	30
1 26	7 38.60	+33 41.1	1.528	2.479	7.5	21.1	161 E	79	30
1 31	7 32.84	+33 37.5	1.566	2.497	9.4	21.3	156 E	79	30
2 5	7 27.78	+33 29.6	1.610	2.514	11.2	21.4	150 E	78	31
2 10	7 23.53	+33 17.8	1.660	2.531	12.9	21.6	145 E	78	31
2 15	7 20.16	+33 2.9	1.715	2.548	14.6	21.7	140 E	78	31
474440 2003 NH_5									
12 27	8 18.38	+12 9.1	1.786	2.686	10.4	22.5	151 W	57	52
1 6	8 8.98	+12 27.9	1.722	2.676	6.4	22.2	162 W	57	52
1 16	7 57.98	+12 57.1	1.687	2.664	3.0	22.0	172 W	58	51
1 26	7 46.57	+13 33.5	1.681	2.652	4.6	22.0	168 E	59	50
2 5	7 35.99	+14 13.2	1.706	2.638	8.7	22.3	156 E	59	50
2 15	7 27.34	+14 52.8	1.756	2.623	12.7	22.5	144 E	60	49
269902 2000 HU_3									
12 27	8 18.57	+20 23.5	2.119	3.030	8.4	21.9	153 W	65	44
1 6	8 9.19	+20 55.3	2.082	3.044	4.6	21.7	166 W	66	43
1 16	7 58.67	+21 27.6	2.075	3.058	0.6	21.4	178 W	66	43
1 26	7 48.07	+21 56.7	2.099	3.071	3.5	21.7	169 E	67	42
2 5	7 38.41	+22 20.2	2.154	3.083	7.3	21.9	157 E	67	42
2 15	7 30.57	+22 37.0	2.236	3.094	10.7	22.2	145 E	68	41
470215 2006 WP_{29}									
12 27	8 18.78	− 0 14.5	0.634	1.539	22.4	18.2	143 W	45	64
1 1	8 15.95	+ 2 15.9	0.625	1.556	18.5	18.1	150 W	47	62
1 6	8 12.30	+ 5 0.5	0.621	1.573	14.4	18.0	157 W	50	59
1 11	8 8.05	+ 7 55.0	0.624	1.591	10.3	17.8	163 W	53	56
1 16	8 3.46	+10 54.1	0.632	1.610	6.4	17.7	169 W	56	53
1 21	7 58.86	+13 51.9	0.648	1.629	4.2	17.7	173 E	59	50
1 26	7 54.53	+16 42.7	0.670	1.649	5.6	17.9	171 E	62	47
1 31	7 50.73	+19 22.0	0.698	1.669	8.9	18.1	165 E	64	45
2 5	7 47.68	+21 46.8	0.733	1.690	12.2	18.4	159 E	67	42
2 10	7 45.52	+23 55.2	0.773	1.711	15.3	18.7	153 E	69	40
2 15	7 44.37	+25 47.0	0.819	1.733	18.1	18.9	147 E	71	38
2 20	7 44.29	+27 22.4	0.870	1.755	20.6	19.1	141 E	72	37
2 25	7 45.26	+28 42.5	0.925	1.777	22.6	19.4	136 E	74	35
3 2	7 47.24	+29 48.7	0.983	1.799	24.4	19.6	131 E	75	34
3 7	7 50.16	+30 42.3	1.045	1.822	25.8	19.8	127 E	76	33
3 12	7 53.95	+31 24.6	1.110	1.845	27.0	20.0	122 E	76	33
3 17	7 58.52	+31 57.0	1.177	1.868	27.9	20.2	118 E	77	32
3 22	8 3.80	+32 20.4	1.246	1.891	28.7	20.3	114 E	77	32
3 27	8 9.69	+32 35.9	1.318	1.914	29.2	20.5	111 E	78	31
4 1	8 16.11	+32 44.4	1.390	1.937	29.5	20.6	107 E	78	31
4 6	8 22.97	+32 46.6	1.465	1.961	29.7	20.8	104 E	78	31
4 11	8 30.22	+32 43.0	1.540	1.984	29.8	20.9	100 E	78	31
4 16	8 37.79	+32 34.3	1.616	2.007	29.7	21.0	97 E	77*	31
4 21	8 45.64	+32 21.0	1.693	2.030	29.6	21.2	94 E	76*	32

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
470215 2006 WP_{29} *(continuation)*									
4 26	8 53.70	+32 3.4	1.770	2.053	29.3	21.3	91 E	74*	32
5 1	9 1.93	+31 42.0	1.847	2.076	29.0	21.4	88 E	71*	32
5 6	9 10.29	+31 17.1	1.925	2.099	28.6	21.5	85 E	68*	33
438902 2009 WF_{104}									
12 27	8 18.88	+38 5.0	0.513	1.454	18.9	17.6	151 W	83	26
1 1	8 25.30	+41 50.5	0.468	1.414	19.1	17.4	152 W	87	22
1 6	8 32.48	+46 7.4	0.430	1.374	20.4	17.2	151 W	89	18
1 11	8 40.98	+50 53.7	0.397	1.336	23.1	17.0	148 W	84	13
1 16	8 51.75	+56 3.9	0.370	1.299	27.0	16.9	143 W	79	8
1 18	8 57.04	+58 12.6	0.361	1.284	28.8	16.9	141 W	77	6
1 20	9 3.11	+60 22.8	0.353	1.270	30.8	16.9	139 W	75	4
1 22	9 10.15	+62 33.5	0.345	1.256	32.8	16.9	136 W	72	1
1 24	9 18.44	+64 43.8	0.339	1.243	35.0	16.9	134 W	70	—
1 26	9 28.29	+66 52.5	0.333	1.229	37.1	16.9	131 W	68	—
1 27	9 33.94	+67 55.8	0.330	1.223	38.2	16.9	130 W	67	—
1 28	9 40.14	+68 58.1	0.328	1.216	39.3	16.9	128 W	66	—
1 29	9 46.99	+69 59.2	0.326	1.210	40.4	16.9	127 W	65	—
1 30	9 54.55	+70 59.0	0.324	1.204	41.5	16.9	126 W	64	—
1 31	10 2.92	+71 57.1	0.322	1.197	42.6	16.9	125 W	63	—
2 1	10 12.21	+72 53.2	0.320	1.191	43.7	16.9	123 W	62	—
2 2	10 22.51	+73 47.1	0.318	1.185	44.8	16.9	122 W	61	—
2 3	10 33.95	+74 38.3	0.317	1.179	45.9	16.9	121 W	60	—
2 4	10 46.64	+75 26.5	0.316	1.174	47.0	16.9	119 W	60	—
2 5	11 0.67	+76 11.2	0.314	1.168	48.1	16.9	118 W	59	—
2 6	11 16.14	+76 51.8	0.313	1.162	49.1	16.9	117 W	58	—
2 7	11 33.07	+77 28.0	0.312	1.157	50.1	17.0	116 W	58	—
2 8	11 51.45	+77 59.0	0.311	1.152	51.2	17.0	115 W	57	—
2 9	12 11.16	+78 24.5	0.311	1.146	52.2	17.0	113 W	57	—
2 10	12 32.00	+78 44.0	0.310	1.141	53.1	17.0	112 W	56	—
2 11	12 53.64	+78 57.1	0.310	1.136	54.1	17.0	111 W	56	—
2 12	13 15.70	+79 3.6	0.309	1.131	55.0	17.0	110 W	56	—
2 13	13 37.72	+79 3.7	0.309	1.126	55.9	17.0	109 W	56	—
2 14	13 59.27	+78 57.3	0.308	1.122	56.8	17.1	108 W	56	—
2 15	14 19.95	+78 45.0	0.308	1.117	57.7	17.1	107 W	56	—
2 16	14 39.45	+78 27.3	0.308	1.113	58.5	17.1	106 W	57	—
2 17	14 57.58	+78 4.6	0.308	1.109	59.4	17.1	105 W	57	—
2 18	15 14.24	+77 37.7	0.308	1.105	60.2	17.1	104 W	57	—
2 19	15 29.40	+77 7.2	0.307	1.101	60.9	17.1	103 W	58	—
2 20	15 43.13	+76 33.5	0.307	1.097	61.7	17.1	102 W	58	—
2 21	15 55.49	+75 57.2	0.307	1.093	62.4	17.2	102 W	59	—
2 22	16 6.59	+75 18.8	0.307	1.090	63.1	17.2	101 W	60	—
2 23	16 16.56	+74 38.5	0.308	1.086	63.7	17.2	100 W	60	—
2 24	16 25.50	+73 56.8	0.308	1.083	64.3	17.2	99 W	61	—
2 25	16 33.52	+73 13.9	0.308	1.080	64.9	17.2	99 W	62	—
2 26	16 40.72	+72 29.9	0.308	1.077	65.5	17.2	98 W	63*	—
2 27	16 47.19	+71 45.2	0.308	1.074	66.0	17.2	97 W	63*	—
2 28	16 53.02	+70 59.9	0.308	1.072	66.6	17.2	97 W	64*	—
3 1	16 58.28	+70 14.0	0.308	1.070	67.0	17.3	96 W	65*	—
3 2	17 3.03	+69 27.7	0.308	1.067	67.5	17.3	96 W	65*	—
3 3	17 7.33	+68 41.1	0.309	1.065	67.9	17.3	95 W	66*	—
3 4	17 11.22	+67 54.3	0.309	1.063	68.3	17.3	95 W	67*	—
3 5	17 14.75	+67 7.2	0.309	1.061	68.7	17.3	94 W	68*	—
3 6	17 17.95	+66 20.0	0.309	1.060	69.0	17.3	94 W	68*	—
3 7	17 20.86	+65 32.7	0.309	1.058	69.3	17.3	94 W	69*	—
3 8	17 23.51	+64 45.3	0.309	1.057	69.6	17.3	93 W	70*	—
3 9	17 25.91	+63 57.9	0.309	1.056	69.8	17.3	93 W	71*	—
3 10	17 28.09	+63 10.4	0.310	1.055	70.0	17.3	93 W	72*	—
3 11	17 30.08	+62 22.9	0.310	1.055	70.2	17.3	93 W	72*	1*
3 12	17 31.88	+61 35.4	0.310	1.054	70.3	17.3	93 W	73*	2*
3 13	17 33.52	+60 47.8	0.310	1.054	70.5	17.3	92 W	74*	3*
3 14	17 35.01	+60 0.2	0.310	1.053	70.6	17.3	92 W	75*	4*
3 15	17 36.35	+59 12.6	0.310	1.053	70.6	17.3	92 W	75*	5*
3 16	17 37.56	+58 24.9	0.310	1.054	70.6	17.3	92 W	76*	5*
3 17	17 38.65	+57 37.2	0.310	1.054	70.6	17.3	92 W	77*	6*
3 19	17 40.51	+56 1.6	0.310	1.055	70.5	17.3	92 W	79*	8*
3 21	17 41.97	+54 25.8	0.310	1.057	70.3	17.3	93 W	80*	10*
3 23	17 43.08	+52 49.7	0.310	1.060	69.9	17.3	93 W	82*	11
3 25	17 43.88	+51 13.2	0.310	1.063	69.5	17.3	94 W	84*	13
3 27	17 44.41	+49 36.2	0.309	1.067	68.9	17.3	94 W	85*	14
4 1	17 44.60	+45 31.2	0.309	1.079	66.9	17.3	97 W	89	18
4 6	17 43.32	+41 21.5	0.308	1.096	64.1	17.2	100 W	86	23
4 11	17 40.62	+37 5.0	0.308	1.116	60.7	17.1	104 W	82	27
4 16	17 36.55	+32 39.6	0.308	1.140	56.5	17.1	109 W	78	31
4 21	17 31.22	+28 4.0	0.309	1.166	51.8	17.0	114 W	73	36
4 26	17 24.76	+23 18.2	0.313	1.196	46.4	16.9	121 W	68	41
5 1	17 17.34	+18 24.5	0.318	1.227	40.7	16.9	127 W	63	46
5 6	17 9.17	+13 27.4	0.328	1.261	34.6	16.8	135 W	58	51
5 11	17 0.53	+ 8 32.8	0.341	1.297	28.5	16.8	142 W	54	55

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
438902 2009 WF_{104} *(continuation)*									
5 16	16 51.77	+ 3 47.6	0.360	1.334	22.5	16.8	150 W	49	60
5 21	16 43.27	− 0 40.9	0.383	1.372	17.0	16.8	157 W	44	65
5 26	16 35.35	− 4 47.1	0.412	1.412	12.3	16.9	163 W	40	69
5 31	16 28.25	− 8 27.6	0.447	1.452	9.3	17.0	167 E	37	72
6 5	16 22.16	−11 41.6	0.487	1.493	8.7	17.2	167 E	33	76
6 10	16 17.18	−14 30.0	0.532	1.535	10.2	17.5	164 E	30	79
6 15	16 13.39	−16 55.1	0.583	1.577	12.6	17.9	160 E	28	81
6 20	16 10.79	−18 59.4	0.638	1.619	15.0	18.2	156 E	26	83
6 25	16 9.33	−20 46.1	0.698	1.662	17.3	18.5	151 E	24	85
6 30	16 8.94	−22 17.6	0.763	1.705	19.3	18.8	146 E	23	86
7 5	16 9.52	−23 36.4	0.831	1.747	21.1	19.1	142 E	21	88
7 10	16 11.00	−24 44.7	0.903	1.790	22.5	19.4	138 E	20	89
7 15	16 13.30	−25 44.2	0.979	1.833	23.7	19.7	133 E	19	90
7 20	16 16.34	−26 36.3	1.058	1.875	24.7	19.9	129 E	18	89
7 25	16 20.04	−27 22.3	1.139	1.918	25.5	20.2	126 E	18*	89
7 30	16 24.32	−28 2.9	1.224	1.960	26.1	20.4	122 E	17*	88
8 4	16 29.12	−28 38.9	1.311	2.002	26.5	20.6	118 E	16*	87
8 9	16 34.38	−29 10.9	1.401	2.044	26.8	20.8	115 E	16*	87
8 14	16 40.07	−29 39.4	1.493	2.086	26.9	21.0	111 E	15*	86
8 19	16 46.13	−30 4.8	1.587	2.127	26.9	21.2	108 E	14*	86
8 24	16 52.51	−30 27.4	1.682	2.168	26.8	21.3	104 E	14*	86
8 29	16 59.18	−30 47.3	1.779	2.209	26.7	21.5	101 E	14*	85
488450 1994 JX									
12 27	8 19.16	+58 27.6	2.318	3.129	11.8	22.2	139 W	77	6
1 1	8 11.90	+59 26.1	2.281	3.104	11.6	22.2	141 W	76	5
1 6	8 3.48	+60 18.5	2.251	3.078	11.6	22.1	141 W	75	4
1 11	7 54.07	+61 3.1	2.227	3.052	11.8	22.1	141 W	74	3
1 16	7 43.91	+61 38.7	2.210	3.025	12.2	22.1	139 E	73	2
1 21	7 33.33	+62 4.2	2.199	2.998	12.8	22.1	137 E	73	2
1 26	7 22.70	+62 19.2	2.194	2.971	13.6	22.1	135 E	73	2
1 31	7 12.42	+62 23.9	2.195	2.944	14.5	22.1	132 E	73	2
2 5	7 2.83	+62 18.7	2.201	2.916	15.4	22.1	128 E	73	2
2 10	6 54.25	+62 4.7	2.211	2.888	16.3	22.1	125 E	73	2
185854 2000 EU_{106}									
12 27	8 19.26	− 9 29.7	2.441	3.228	12.1	20.6	137 W	36	73
1 6	8 11.13	− 9 40.4	2.378	3.228	10.3	20.5	144 W	35	74
1 16	8 1.91	− 9 27.8	2.340	3.226	8.9	20.4	149 W	36	73
1 26	7 52.39	− 8 51.8	2.330	3.224	8.6	20.4	151 E	36	73
2 5	7 43.43	− 7 55.1	2.347	3.221	9.6	20.4	147 E	37	72
2 10	7 39.41	− 7 20.4	2.366	3.218	10.3	20.5	144 E	38	71
2 15	7 35.80	− 6 42.4	2.392	3.216	11.3	20.5	141 E	38	71
2 20	7 32.67	− 6 2.0	2.423	3.213	12.2	20.6	137 E	39	70
2 25	7 30.07	− 5 19.9	2.460	3.211	13.2	20.7	132 E	40	69
3 2	7 28.04	− 4 36.8	2.501	3.207	14.1	20.7	128 E	40	69
3 7	7 26.58	− 3 53.5	2.547	3.204	15.0	20.8	124 E	41	68
3 12	7 25.71	− 3 10.5	2.598	3.200	15.7	20.9	119 E	42	67
3 17	7 25.42	− 2 28.3	2.651	3.196	16.4	20.9	115 E	43	66
3 22	7 25.70	− 1 47.4	2.707	3.192	17.0	21.0	110 E	43	66
3 27	7 26.54	− 1 8.3	2.766	3.187	17.5	21.0	106 E	44	65
4 1	7 27.90	− 0 31.1	2.826	3.183	17.9	21.1	102 E	44*	65
4 6	7 29.75	+ 0 3.9	2.888	3.178	18.2	21.2	98 E	45*	64
4 11	7 32.07	+ 0 36.5	2.950	3.172	18.4	21.2	93 E	44*	63
4 16	7 34.84	+ 1 6.6	3.013	3.167	18.5	21.2	89 E	43*	63*
4 21	7 38.01	+ 1 34.0	3.076	3.161	18.5	21.3	86 E	41*	62*
4 26	7 41.57	+ 1 58.8	3.138	3.155	18.4	21.3	82 E	39*	61*
5 1	7 45.48	+ 2 20.8	3.199	3.148	18.2	21.4	78 E	37*	60*
5 6	7 49.70	+ 2 40.2	3.260	3.142	18.0	21.4	74 E	34*	58*
5 11	7 54.23	+ 2 56.8	3.319	3.135	17.7	21.4	71 E	31*	57*
5 16	7 59.04	+ 3 10.7	3.376	3.128	17.3	21.4	67 E	28*	55*
5 21	8 4.10	+ 3 21.9	3.432	3.120	16.9	21.4	64 E	24*	53*
5 26	8 9.38	+ 3 30.4	3.485	3.113	16.4	21.5	60 E	21*	51*
5 31	8 14.88	+ 3 36.4	3.536	3.105	15.9	21.5	57 E	18*	48*
6 5	8 20.56	+ 3 39.8	3.584	3.096	15.3	21.5	54 E	15*	46*
6 10	8 26.42	+ 3 40.8	3.630	3.088	14.7	21.5	51 E	12*	44*
6 15	8 32.44	+ 3 39.3	3.673	3.079	14.1	21.5	48 E	9*	41*
6 20	8 38.59	+ 3 35.4	3.712	3.070	13.4	21.5	44 E	6*	38*
6 25	8 44.88	+ 3 29.1	3.749	3.061	12.7	21.4	41 E	3*	35*
6 30	8 51.28	+ 3 20.7	3.783	3.051	11.9	21.4	38 E	1*	32*
7 5	8 57.79	+ 3 10.1	3.813	3.041	11.2	21.4	35 E	—	29*
7 10	9 4.39	+ 2 57.3	3.839	3.031	10.4	21.4	32 E	—	26*
7 15	9 11.07	+ 2 42.5	3.862	3.021	9.6	21.4	30 E	—	23*
7 20	9 17.83	+ 2 25.8	3.882	3.010	8.8	21.3	27 E	—	20*
7 25	9 24.66	+ 2 7.1	3.897	2.999	8.0	21.3	24 E	—	17*
7 30	9 31.54	+ 1 46.6	3.909	2.988	7.2	21.3	22 E	—	14*
8 4	9 38.48	+ 1 24.4	3.917	2.977	6.4	21.2	19 E	—	10*
8 9	9 45.47	+ 1 0.5	3.922	2.965	5.6	21.2	17 E	—	7*
8 14	9 52.49	+ 0 35.0	3.922	2.953	5.0	21.1	15 E	—	4*
8 19	9 59.55	+ 0 8.1	3.919	2.941	4.4	21.1	13 E	—	1*
8 24	10 6.65	− 0 20.3	3.911	2.928	4.0	21.1	12 W	—	—

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
185854 2000 EU_{106} *(continuation)*									
8 29	10 13.76	− 0 50.1	3.900	2.915	3.8	21.0	11 W	—	2*
9 3	10 20.90	− 1 21.1	3.885	2.902	3.9	21.0	11 W	—	4*
9 8	10 28.06	− 1 53.2	3.866	2.889	4.2	21.0	12 W	—	6*
9 13	10 35.24	− 2 26.5	3.843	2.875	4.7	21.0	14 W	—	8*
9 18	10 42.42	− 3 0.7	3.816	2.862	5.4	21.0	16 W	1*	9*
9 23	10 49.62	− 3 35.7	3.786	2.847	6.2	21.0	18 W	4*	11*
9 28	10 56.81	− 4 11.6	3.751	2.833	7.0	21.1	20 W	7*	13*
10 3	11 4.01	− 4 48.1	3.713	2.818	7.9	21.1	23 W	9*	15*
10 8	11 11.21	− 5 25.3	3.672	2.803	8.8	21.1	26 W	12*	17*
10 13	11 18.40	− 6 2.9	3.626	2.788	9.8	21.1	28 W	15*	19*
10 18	11 25.59	− 6 40.8	3.577	2.773	10.7	21.1	31 W	17*	21*
10 23	11 32.75	− 7 19.0	3.525	2.757	11.6	21.0	34 W	19*	23*
10 28	11 39.90	− 7 57.3	3.470	2.741	12.6	21.0	37 W	22*	25*
11 2	11 47.03	− 8 35.6	3.411	2.725	13.5	21.0	40 W	24*	27*
11 7	11 54.13	− 9 13.7	3.349	2.709	14.4	21.0	43 W	26*	29*
11 12	12 1.20	− 9 51.6	3.284	2.692	15.3	21.0	46 W	27*	32*
11 17	12 8.22	−10 29.0	3.216	2.675	16.2	20.9	49 W	29*	34*
11 22	12 15.19	−11 5.8	3.146	2.658	17.1	20.9	52 W	30*	37*
11 27	12 22.11	−11 42.0	3.073	2.640	17.9	20.9	55 W	31*	40*
12 2	12 28.96	−12 17.2	2.998	2.622	18.7	20.8	59 W	31*	43*
12 7	12 35.72	−12 51.3	2.920	2.604	19.5	20.8	62 W	31*	46*
12 12	12 42.40	−13 24.2	2.841	2.586	20.2	20.7	65 W	31*	49*
12 17	12 48.96	−13 55.6	2.760	2.568	20.9	20.7	68 W	31*	53*
12 22	12 55.40	−14 25.3	2.677	2.549	21.5	20.6	72 W	31	57*
12 27	13 1.70	−14 53.1	2.593	2.530	22.1	20.6	75 W	30	60*
1 1	13 7.83	−15 18.7	2.508	2.511	22.6	20.5	79 W	30	64*
1 6	13 13.78	−15 42.0	2.423	2.492	23.0	20.4	82 W	29	68*
1 11	13 19.50	−16 2.5	2.336	2.472	23.4	20.3	86 W	29	72*
1 16	13 24.98	−16 20.0	2.250	2.452	23.7	20.2	90 W	29	75*
1 21	13 30.19	−16 34.1	2.163	2.432	23.8	20.1	94 W	28	78*
503911 2002 FD_6									
12 27	8 21.18	+43 44.3	0.715	1.636	18.4	23.6	148 W	89	20
1 1	8 9.70	+44 56.0	0.694	1.630	16.4	23.4	152 W	90	19
1 6	7 56.17	+45 56.5	0.678	1.622	15.1	23.3	155 W	89	18
1 11	7 41.07	+46 40.8	0.668	1.614	14.9	23.3	155 W	88	17
1 16	7 25.16	+47 5.2	0.664	1.605	15.9	23.3	153 E	88	17
1 21	7 9.37	+47 8.1	0.665	1.595	18.0	23.4	150 E	88	17
1 26	6 54.59	+46 50.6	0.672	1.584	20.7	23.5	145 E	88	17
1 31	6 41.54	+46 15.4	0.683	1.572	23.6	23.6	140 E	89	18
3552 Don Quixote									
12 27	8 21.27	+52 2.7	5.623	6.440	5.2	21.1	144 W	83	12
1 1	8 17.15	+52 17.0	5.616	6.454	4.9	21.1	146 W	83	12
1 6	8 12.81	+52 28.8	5.616	6.467	4.7	21.1	148 W	83	12
1 11	8 8.30	+52 37.7	5.623	6.480	4.6	21.1	148 W	82	11
1 16	8 3.70	+52 43.7	5.637	6.494	4.6	21.1	148 W	82	11
1 21	7 59.09	+52 46.5	5.658	6.507	4.7	21.1	147 E	82	11
1 26	7 54.55	+52 46.1	5.687	6.519	4.9	21.2	145 E	82	11
1 31	7 50.14	+52 42.6	5.722	6.532	5.3	21.2	143 E	82	11
2 5	7 45.94	+52 36.1	5.764	6.545	5.6	21.2	139 E	82	11
2 10	7 42.00	+52 26.8	5.812	6.557	6.0	21.3	136 E	83	12
2 15	7 38.38	+52 14.8	5.867	6.570	6.4	21.3	132 E	83	12
2 20	7 35.13	+52 0.5	5.926	6.582	6.8	21.4	128 E	83	12
2 25	7 32.27	+51 44.1	5.991	6.594	7.2	21.4	124 E	83	12
3 2	7 29.83	+51 26.0	6.060	6.606	7.5	21.5	120 E	84	13
3 7	7 27.82	+51 6.3	6.133	6.618	7.8	21.5	115 E	84	13
58285 1993 YN									
12 27	8 21.51	+ 8 57.5	2.114	2.996	9.9	19.6	148 W	54	55
1 6	8 12.77	+ 9 7.5	2.074	3.014	6.6	19.4	159 W	54	55
1 16	8 2.93	+ 9 28.5	2.062	3.032	3.8	19.2	168 W	54	55
1 26	7 52.95	+ 9 58.1	2.081	3.048	4.2	19.3	167 E	55	54
2 5	7 43.79	+10 33.1	2.131	3.064	7.1	19.5	157 E	56	53
2 15	7 36.26	+11 10.4	2.208	3.079	10.2	19.7	146 E	56	53
2 25	7 30.92	+11 46.9	2.309	3.093	13.0	19.9	135 E	57	52
3 7	7 28.03	+12 20.4	2.429	3.105	15.2	20.1	125 E	57	52
3 17	7 27.58	+12 49.4	2.565	3.117	16.8	20.3	115 E	58	51
3 27	7 29.46	+13 12.9	2.710	3.129	17.9	20.5	106 E	58	51
4 6	7 33.40	+13 30.0	2.860	3.139	18.5	20.6	97 E	58*	50
4 16	7 39.15	+13 40.5	3.013	3.148	18.6	20.7	88 E	55*	50*
4 26	7 46.43	+13 44.1	3.164	3.156	18.3	20.8	80 E	50*	50*
5 6	7 55.00	+13 40.6	3.312	3.164	17.7	20.9	73 E	43*	48*
5 16	8 4.63	+13 30.1	3.453	3.170	16.9	21.0	66 E	36*	46*
5 26	8 15.12	+13 12.6	3.585	3.176	15.8	21.0	59 E	29*	44*
6 5	8 26.31	+12 48.2	3.707	3.181	14.5	21.1	52 E	22*	40*
6 15	8 38.04	+12 17.3	3.818	3.185	13.1	21.1	45 E	16*	36*
6 25	8 50.20	+11 40.0	3.917	3.188	11.5	21.1	39 E	10*	31*
7 5	9 2.67	+10 56.7	4.001	3.190	9.8	21.1	32 E	5*	26*
7 15	9 15.38	+10 7.7	4.071	3.191	8.1	21.0	26 E	1*	20*
7 25	9 28.24	+ 9 13.5	4.125	3.191	6.3	21.0	20 E	—	14*
8 4	9 41.19	+ 8 14.4	4.164	3.190	4.5	20.9	14 E	—	8*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
58285 1993 YN *(continuation)*									
8 14	9 54.17	+ 7 11.0	4.186	3.188	2.8	20.8	9 E	—	2*
8 24	10 7.14	+ 6 3.8	4.191	3.186	1.7	20.7	5 W	—	—
9 3	10 20.04	+ 4 53.2	4.180	3.182	2.3	20.8	7 W	—	1*
9 13	10 32.83	+ 3 39.9	4.152	3.178	4.0	20.9	13 W	3*	6*
9 23	10 45.46	+ 2 24.5	4.107	3.173	5.8	20.9	19 W	9*	10*
10 3	10 57.89	+ 1 7.7	4.046	3.167	7.7	21.0	25 W	15*	14*
10 13	11 10.07	− 0 10.0	3.968	3.159	9.5	21.0	31 W	20*	18*
10 23	11 21.92	− 1 27.7	3.876	3.151	11.2	21.0	38 W	26*	23*
11 2	11 33.37	− 2 44.6	3.769	3.142	12.8	21.0	45 W	30*	27*
11 12	11 44.35	− 4 0.0	3.648	3.133	14.4	21.0	52 W	34*	33*
11 22	11 54.73	− 5 12.7	3.516	3.122	15.7	21.0	59 W	37*	39*
12 2	12 4.39	− 6 22.0	3.373	3.110	16.9	20.9	66 W	38*	46*
12 12	12 13.18	− 7 26.6	3.222	3.098	17.8	20.8	74 W	38	53*
12 22	12 20.91	− 8 25.1	3.064	3.084	18.4	20.7	82 W	37	60*
1 1	12 27.38	− 9 16.3	2.903	3.070	18.7	20.6	90 W	36	68*
1 11	12 32.33	− 9 58.5	2.742	3.054	18.5	20.5	99 W	35	73*
1 21	12 35.53	−10 29.6	2.584	3.038	17.9	20.3	108 W	35	74
474724 2005 LM_{48}									
12 27	8 21.61	+17 18.1	1.821	2.727	9.8	22.3	152 W	62	47
1 6	8 11.50	+17 29.8	1.792	2.751	5.6	22.1	164 W	62	47
1 16	8 0.20	+17 45.1	1.792	2.774	1.4	21.9	176 W	63	46
1 26	7 48.92	+18 0.8	1.823	2.797	3.7	22.1	169 E	63	46
2 5	7 38.84	+18 14.6	1.884	2.818	7.8	22.4	157 E	63	46
513132 2000 SH_{136}									
12 27	8 22.62	+23 6.8	1.220	2.142	12.2	20.9	153 W	68	41
1 1	8 16.89	+23 19.7	1.214	2.161	9.4	20.8	159 W	68	41
1 6	8 10.60	+23 32.2	1.214	2.180	6.5	20.7	165 W	69	40
1 11	8 3.96	+23 43.6	1.221	2.199	3.6	20.6	172 W	69	40
1 16	7 57.21	+23 53.2	1.234	2.217	1.4	20.5	177 W	69	40
1 21	7 50.60	+24 0.5	1.255	2.235	2.8	20.6	174 E	69	40
1 26	7 44.35	+24 5.2	1.282	2.253	5.5	20.8	167 E	69	40
1 31	7 38.67	+24 7.4	1.317	2.271	8.0	21.0	161 E	69	40
2 5	7 33.68	+24 7.0	1.357	2.289	10.5	21.2	155 E	69	40
2 10	7 29.52	+24 4.5	1.404	2.307	12.7	21.4	149 E	69	40
2 15	7 26.25	+23 59.9	1.456	2.324	14.7	21.6	143 E	69	40
89355 2001 VS_{78}									
12 27	8 22.75	+22 19.8	0.610	1.551	17.0	16.5	153 W	67	42
1 1	8 21.16	+25 21.6	0.573	1.530	13.9	16.2	158 W	70	39
1 6	8 18.25	+28 45.9	0.542	1.510	11.0	16.0	163 W	74	35
1 11	8 13.97	+32 29.0	0.517	1.489	9.5	15.8	165 W	77	32
1 16	8 8.33	+36 24.0	0.499	1.470	10.5	15.7	164 W	81	28
1 21	8 1.48	+40 22.2	0.487	1.450	13.8	15.7	159 E	85	24
1 26	7 53.69	+44 14.1	0.482	1.431	18.1	15.8	153 E	89	20
1 28	7 50.40	+45 43.0	0.481	1.423	19.9	15.9	151 E	89	18
1 30	7 47.04	+47 9.0	0.481	1.416	21.7	15.9	148 E	88	17
2 1	7 43.67	+48 31.7	0.483	1.409	23.5	16.0	145 E	86	15
2 3	7 40.30	+49 50.8	0.485	1.401	25.3	16.0	143 E	85	14
2 5	7 36.99	+51 6.0	0.487	1.394	27.1	16.1	140 E	84	13
2 7	7 33.78	+52 17.1	0.490	1.387	28.8	16.1	137 E	83	12
2 9	7 30.71	+53 24.0	0.494	1.380	30.5	16.2	135 E	82	11
2 11	7 27.83	+54 26.8	0.499	1.373	32.1	16.2	132 E	81	10
2 13	7 25.17	+55 25.4	0.504	1.367	33.6	16.3	130 E	80	9
2 15	7 22.80	+56 20.0	0.509	1.360	35.1	16.3	128 E	79	8
2 17	7 20.73	+57 10.6	0.515	1.353	36.5	16.4	125 E	78	7
2 19	7 19.02	+57 57.5	0.521	1.347	37.8	16.4	123 E	77	6
2 21	7 17.68	+58 40.8	0.527	1.341	39.0	16.5	121 E	76	5
2 23	7 16.75	+59 20.8	0.533	1.335	40.2	16.5	119 E	76	5
2 25	7 16.24	+59 57.6	0.540	1.329	41.3	16.6	118 E	75	4
3 2	7 16.94	+61 16.6	0.557	1.314	43.8	16.7	113 E	74	3
3 7	7 20.56	+62 19.1	0.574	1.301	46.0	16.8	109 E	73	2
3 12	7 27.18	+63 6.7	0.590	1.289	47.8	16.9	106 E	72	1
3 17	7 36.77	+63 40.3	0.606	1.278	49.3	17.0	103 E	71	—
3 22	7 49.13	+64 0.3	0.621	1.268	50.6	17.1	101 E	71	—
3 27	8 3.98	+64 6.5	0.635	1.259	51.6	17.1	98 E	71	—
3 29	8 10.52	+64 5.0	0.640	1.256	52.0	17.1	98 E	71	—
3 31	8 17.36	+64 1.0	0.645	1.253	52.3	17.2	97 E	71	—
4 2	8 24.48	+63 54.7	0.650	1.250	52.6	17.2	96 E	71	—
4 4	8 31.85	+63 45.8	0.655	1.248	52.9	17.2	96 E	71	—
4 6	8 39.43	+63 34.3	0.659	1.246	53.1	17.2	95 E	71	—
4 8	8 47.19	+63 20.1	0.663	1.244	53.4	17.2	95 E	72	1
4 10	8 55.11	+63 3.2	0.667	1.242	53.6	17.3	94 E	72	1
4 12	9 3.15	+62 43.6	0.671	1.241	53.8	17.3	94 E	72	1
4 14	9 11.28	+62 21.2	0.675	1.239	53.9	17.3	93 E	73	2
4 16	9 19.48	+61 56.0	0.678	1.238	54.1	17.3	93 E	73	2
4 18	9 27.70	+61 27.9	0.682	1.237	54.2	17.3	92 E	74	3
4 20	9 35.93	+60 57.0	0.685	1.237	54.3	17.3	92 E	74	3
4 22	9 44.14	+60 23.2	0.688	1.236	54.3	17.3	92 E	75	4

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	89355 2001 VS_{78} *(continuation)*								
	h m	° ′			°	m	°	°	°
4 24	9 52.30	+59 46.5	0.691	1.236	54.4	17.3	92 E	75	4
4 26	10 0.40	+59 7.0	0.694	1.236	54.4	17.4	91 E	76	5
5 1	10 20.23	+57 15.8	0.700	1.238	54.5	17.4	91 E	78	7
5 6	10 39.32	+55 7.1	0.707	1.241	54.4	17.4	91 E	80	9
5 11	10 57.58	+52 41.6	0.713	1.245	54.2	17.4	91 E	82*	11
5 16	11 14.98	+50 0.1	0.720	1.251	53.9	17.4	91 E	84*	14
5 21	11 31.51	+47 4.1	0.727	1.258	53.6	17.5	91 E	85*	17
5 26	11 47.22	+43 54.9	0.735	1.266	53.1	17.5	91 E	84*	20
5 31	12 2.17	+40 34.5	0.745	1.276	52.6	17.5	92 E	81*	23
6 5	12 16.43	+37 4.5	0.757	1.287	52.0	17.6	92 E	77*	27
6 10	12 30.11	+33 27.1	0.771	1.299	51.3	17.6	92 E	73*	31
6 15	12 43.30	+29 44.7	0.787	1.312	50.6	17.6	93 E	69*	34
6 20	12 56.06	+25 59.6	0.807	1.326	49.9	17.7	93 E	65*	38
6 25	13 8.48	+22 14.4	0.829	1.342	49.2	17.8	93 E	60*	42
6 30	13 20.59	+18 31.2	0.855	1.358	48.4	17.8	93 E	56*	45
7 5	13 32.48	+14 52.1	0.884	1.374	47.7	17.9	92 E	53*	49
7 10	13 44.20	+11 18.8	0.916	1.392	46.9	18.0	92 E	49*	53
7 15	13 55.80	+ 7 52.9	0.951	1.410	46.1	18.1	91 E	45*	56
7 20	14 7.32	+ 4 35.5	0.990	1.428	45.4	18.2	91 E	42*	59
7 25	14 18.79	+ 1 27.5	1.032	1.447	44.6	18.3	90 E	39*	63
8 4	14 41.69	− 4 18.5	1.125	1.487	43.0	18.5	88 E	33*	68*
8 14	15 4.74	− 9 23.3	1.228	1.527	41.4	18.7	85 E	29*	72*
8 24	15 28.07	−13 48.0	1.340	1.568	39.7	18.9	82 E	25*	73*
9 3	15 51.74	−17 34.6	1.459	1.610	38.0	19.1	79 E	22*	72*
9 8	16 3.73	−19 14.5	1.520	1.631	37.1	19.2	77 E	20*	71*
9 13	16 15.82	−20 45.9	1.583	1.651	36.2	19.3	76 E	19*	69*
9 18	16 28.02	−22 9.3	1.646	1.672	35.2	19.3	74 E	18*	68*
9 23	16 40.31	−23 24.8	1.711	1.693	34.3	19.4	72 E	17*	66*
9 28	16 52.69	−24 32.9	1.775	1.713	33.3	19.5	70 E	16*	64*
10 3	17 5.15	−25 33.8	1.840	1.734	32.3	19.6	68 E	15*	62*
10 8	17 17.69	−26 27.9	1.906	1.754	31.3	19.7	66 E	14*	60*
10 13	17 30.29	−27 15.3	1.971	1.774	30.3	19.7	64 E	14*	58*
10 18	17 42.94	−27 56.4	2.036	1.794	29.3	19.8	62 E	13*	56*
10 23	17 55.62	−28 31.4	2.100	1.814	28.3	19.9	60 E	13*	54*
10 28	18 8.32	−29 0.5	2.164	1.833	27.2	19.9	58 E	12*	51*
11 2	18 21.03	−29 24.1	2.227	1.852	26.2	20.0	55 E	12*	49*
11 7	18 33.73	−29 42.2	2.289	1.871	25.1	20.0	53 E	12*	47*
11 12	18 46.41	−29 55.1	2.350	1.890	24.0	20.1	51 E	11*	45*
11 22	19 11.61	−30 6.5	2.468	1.926	21.8	20.1	46 E	11*	40*
12 2	19 36.52	−29 59.9	2.580	1.961	19.6	20.2	42 E	10*	35*
12 12	20 1.07	−29 37.1	2.685	1.994	17.4	20.3	37 E	9*	30*
12 22	20 25.13	−29 0.0	2.781	2.027	15.3	20.3	33 E	8*	26*
1 1	20 48.68	−28 10.5	2.869	2.057	13.1	20.3	28 E	7*	21*
1 11	21 11.67	−27 10.2	2.946	2.087	11.1	20.3	24 E	5*	17*
1 21	21 34.07	−26 1.0	3.012	2.114	9.1	20.3	20 E	2*	14*
	530028 2010 VR_{145}								
12 27	8 22.91	+18 18.1	1.636	2.544	10.6	22.2	152 W	63	46
1 1	8 17.92	+18 41.8	1.619	2.557	8.3	22.1	158 W	64	45
1 6	8 12.44	+19 6.8	1.609	2.570	5.9	21.9	164 W	64	45
1 11	8 6.61	+19 32.5	1.607	2.583	3.4	21.8	171 W	65	44
1 16	8 0.58	+19 58.1	1.612	2.595	0.9	21.7	178 W	65	44
1 21	7 54.55	+20 22.9	1.624	2.607	1.6	21.7	176 E	65	44
1 26	7 48.68	+20 46.4	1.644	2.618	4.0	21.9	169 E	66	43
1 31	7 43.16	+21 8.1	1.672	2.630	6.3	22.1	163 E	66	43
2 5	7 38.11	+21 27.7	1.706	2.641	8.5	22.3	157 E	66	43
2 10	7 33.65	+21 45.0	1.748	2.651	10.6	22.4	150 E	67	42
	381050 2006 WR_3								
12 27	8 23.51	−17 10.2	1.602	2.358	18.6	19.5	130 W	28	81
1 1	8 16.79	−18 57.6	1.599	2.377	17.8	19.5	132 W	26	83
1 6	8 9.54	−20 34.3	1.603	2.396	17.1	19.5	134 W	24	85
1 11	8 1.94	−21 58.8	1.613	2.415	16.6	19.5	135 W	23	86
1 16	7 54.19	−23 10.2	1.630	2.434	16.4	19.6	136 W	22	87
1 21	7 46.49	−24 8.0	1.653	2.454	16.3	19.6	135 E	21	88
1 26	7 39.05	−24 52.5	1.683	2.474	16.5	19.7	134 E	20	89
1 31	7 32.05	−25 24.4	1.718	2.494	16.9	19.8	133 E	20	89
2 5	7 25.65	−25 44.8	1.759	2.514	17.3	19.8	131 E	19	90
2 10	7 19.96	−25 54.7	1.804	2.535	17.8	19.9	128 E	19	90
2 15	7 15.09	−25 55.8	1.854	2.555	18.4	20.0	125 E	19	90
2 20	7 11.08	−25 49.5	1.908	2.576	18.9	20.1	122 E	19	90
2 25	7 7.96	−25 37.4	1.965	2.597	19.4	20.2	119 E	19	90
3 2	7 5.71	−25 20.8	2.025	2.618	19.8	20.3	116 E	20	89
3 7	7 4.32	−25 1.1	2.087	2.640	20.2	20.4	113 E	20	89
3 12	7 3.74	−24 39.1	2.152	2.661	20.5	20.5	110 E	20	89
3 17	7 3.93	−24 16.0	2.218	2.683	20.8	20.6	107 E	21	88
3 22	7 4.85	−23 52.5	2.286	2.704	21.0	20.7	104 E	21	88
3 27	7 6.44	−23 29.4	2.354	2.726	21.1	20.8	101 E	22*	87
4 1	7 8.63	−23 7.2	2.423	2.748	21.1	20.9	98 E	22*	87

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	381050 2006 WR_3 *(continuation)*								
	h m	° ′			°	m	°	°	°
4 6	7 11.39	−22 46.3	2.493	2.769	21.1	20.9	95 E	21*	87*
4 11	7 14.66	−22 27.1	2.563	2.791	21.0	21.0	92 E	21*	85*
4 16	7 18.40	−22 9.8	2.633	2.813	20.9	21.1	90 E	19*	83*
4 21	7 22.56	−21 54.8	2.703	2.835	20.7	21.1	87 E	18*	81*
4 26	7 27.10	−21 42.3	2.773	2.857	20.5	21.2	84 E	16*	78*
5 1	7 31.98	−21 32.3	2.841	2.879	20.3	21.3	82 E	14*	76*
5 6	7 37.18	−21 25.0	2.910	2.901	20.0	21.3	80 E	12*	73*
5 11	7 42.65	−21 20.3	2.977	2.923	19.7	21.4	77 E	9*	71*
5 16	7 48.38	−21 18.5	3.044	2.945	19.3	21.4	75 E	7*	68*
5 21	7 54.33	−21 19.5	3.110	2.967	19.0	21.5	73 E	4*	66*
	22753 1998 WT								
12 27	8 23.94	+21 31.0	0.888	1.816	14.6	19.4	152 W	67	42
1 1	8 14.36	+21 57.8	0.846	1.801	11.0	19.1	160 W	67	42
1 6	8 3.12	+22 25.8	0.811	1.784	7.0	18.8	167 W	67	42
1 11	7 50.44	+22 53.0	0.783	1.765	2.8	18.5	175 W	68	41
1 16	7 36.69	+23 17.2	0.763	1.746	2.3	18.4	176 E	68	41
1 21	7 22.38	+23 36.5	0.750	1.725	6.9	18.6	168 E	69	40
1 26	7 8.10	+23 49.8	0.745	1.703	11.7	18.7	160 E	69	40
1 31	6 54.43	+23 56.7	0.747	1.679	16.3	18.9	151 E	69	40
2 5	6 41.87	+23 57.6	0.755	1.654	20.8	19.0	143 E	69	40
2 10	6 30.81	+23 53.6	0.768	1.628	25.0	19.1	136 E	69	40
2 15	6 21.52	+23 46.2	0.785	1.601	28.8	19.3	129 E	69	40
2 20	6 14.09	+23 36.6	0.806	1.572	32.3	19.4	122 E	69	40
2 25	6 8.53	+23 26.0	0.828	1.541	35.4	19.5	116 E	68	41
3 2	6 4.74	+23 15.2	0.852	1.509	38.2	19.6	110 E	68	41
3 7	6 2.59	+23 4.5	0.875	1.476	40.7	19.7	104 E	68	41
3 12	6 1.97	+22 54.3	0.898	1.441	42.9	19.7	99 E	68	41
3 17	6 2.73	+22 44.6	0.920	1.405	44.9	19.8	94 E	68*	41*
3 22	6 4.72	+22 35.2	0.940	1.367	46.8	19.8	90 E	66*	41*
3 27	6 7.82	+22 25.8	0.957	1.328	48.5	19.8	86 E	64*	41*
4 1	6 11.89	+22 16.2	0.970	1.286	50.2	19.8	82 E	62*	40*
4 6	6 16.83	+22 6.1	0.980	1.244	51.8	19.8	78 E	59*	40*
4 16	6 28.93	+21 42.8	0.988	1.154	55.2	19.8	71 E	53*	39*
4 26	6 43.36	+21 13.5	0.977	1.057	59.2	19.7	64 E	46*	38*
5 6	6 59.24	+20 36.5	0.943	0.955	64.2	19.5	58 E	39*	37*
5 11	7 7.37	+20 15.1	0.916	0.902	67.5	19.5	56 E	36*	36*
5 16	7 15.34	+19 52.3	0.884	0.848	71.4	19.4	53 E	32*	35*
5 21	7 22.81	+19 28.7	0.844	0.794	76.2	19.3	50 E	29*	34*
5 26	7 29.26	+19 6.2	0.798	0.741	82.3	19.2	46 E	25*	32*
5 31	7 33.93	+18 47.4	0.746	0.689	89.9	19.2	43 E	21*	31*
6 5	7 35.65	+18 36.6	0.688	0.640	99.6	19.3	38 E	17*	28*
6 7	7 35.15	+18 36.0	0.665	0.621	104.2	19.4	36 E	15*	26*
6 9	7 33.77	+18 38.0	0.641	0.604	109.3	19.6	34 E	14*	25*
6 11	7 31.37	+18 43.3	0.617	0.588	114.9	19.8	32 E	12*	23*
6 13	7 27.79	+18 52.3	0.593	0.573	121.0	20.1	29 E	10*	21*
6 15	7 22.87	+19 5.3	0.571	0.560	127.7	20.5	26 E	7*	18*
6 20	7 4.04	+19 55.3	0.524	0.536	147.1	22.7	17 E	1*	10*
6 25	6 36.46	+21 2.2	0.496	0.525	169.2	30.8	6 E	—	—
6 30	6 4.90	+22 6.4	0.495	0.529	166.2	28.4	7 W	—	1*
7 5	5 36.92	+22 54.2	0.520	0.548	144.5	22.3	18 W	6*	10*
7 10	5 17.36	+23 28.3	0.563	0.579	125.9	20.4	27 W	13*	17*
7 15	5 6.56	+23 56.7	0.615	0.619	110.9	19.6	35 W	19*	21*
7 17	5 4.28	+24 7.6	0.636	0.637	105.9	19.5	37 W	22*	23*
7 19	5 2.94	+24 18.5	0.658	0.656	101.3	19.4	39 W	24*	24*
7 21	5 2.42	+24 29.3	0.679	0.676	97.2	19.3	41 W	26*	25*
7 23	5 2.57	+24 40.0	0.699	0.696	93.4	19.3	43 W	28*	26*
7 25	5 3.30	+24 50.6	0.719	0.717	90.0	19.2	45 W	29*	27*
7 30	5 7.03	+25 16.4	0.765	0.770	82.8	19.2	49 W	33*	28*
8 4	5 12.60	+25 40.6	0.806	0.824	77.0	19.3	52 W	37*	30*
8 9	5 19.22	+26 2.6	0.839	0.878	72.3	19.4	56 W	41*	30*
8 14	5 26.35	+26 22.3	0.867	0.931	68.5	19.4	59 W	45*	31*
8 19	5 33.63	+26 39.8	0.888	0.983	65.2	19.5	62 W	48*	32*
8 24	5 40.82	+26 55.2	0.904	1.034	62.4	19.6	65 W	52*	32*
8 29	5 47.74	+27 8.9	0.914	1.084	60.0	19.6	68 W	55*	33*
9 3	5 54.21	+27 21.3	0.919	1.132	57.8	19.7	72 W	58*	33*
9 8	6 0.10	+27 32.6	0.919	1.179	55.8	19.7	75 W	62*	34*
9 13	6 5.28	+27 43.4	0.915	1.224	53.8	19.7	79 W	65*	34*
9 18	6 9.64	+27 53.9	0.906	1.267	51.9	19.7	83 W	68*	35*
9 23	6 13.07	+28 4.7	0.895	1.309	50.0	19.7	87 W	71*	35*
9 28	6 15.43	+28 15.9	0.880	1.349	47.9	19.7	91 W	73*	35*
10 3	6 16.57	+28 27.9	0.862	1.388	45.8	19.6	96 W	73	35*
10 8	6 16.34	+28 40.8	0.843	1.425	43.5	19.6	101 W	74	35*
10 13	6 14.58	+28 54.4	0.823	1.460	41.0	19.5	106 W	74	35
10 18	6 11.13	+29 8.5	0.802	1.494	38.2	19.4	112 W	74	35
10 23	6 5.86	+29 22.4	0.781	1.527	35.1	19.3	118 W	74	35
10 28	5 58.65	+29 34.8	0.762	1.558	31.7	19.2	125 W	75	34
11 2	5 49.46	+29 44.3	0.745	1.588	27.9	19.1	131 W	75	34

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		22753 1998 *WT*						*(continuation)*	
	h m	° ′			°	m	°	°	°
11 7	5 38.32	+29 48.8	0.732	1.616	23.8	19.0	139 W	75	34
11 12	5 25.47	+29 46.3	0.724	1.643	19.4	18.9	146 W	75	34
11 17	5 11.30	+29 35.0	0.721	1.668	14.9	18.7	154 W	75	34
11 22	4 56.33	+29 13.8	0.724	1.692	10.2	18.6	162 W	74	35
11 27	4 41.19	+28 42.7	0.735	1.715	5.9	18.5	170 W	74	35
12 2	4 26.52	+28 3.2	0.753	1.736	3.6	18.4	174 E	73	36
12 7	4 12.89	+27 17.6	0.778	1.756	5.8	18.6	170 E	72	37
12 12	4 0.75	+26 29.1	0.811	1.775	9.5	18.9	163 E	71	38
12 17	3 50.37	+25 40.5	0.851	1.793	13.2	19.2	155 E	71	38
12 22	3 41.85	+24 54.5	0.896	1.809	16.5	19.4	149 E	70	39
12 27	3 35.16	+24 12.8	0.947	1.824	19.4	19.7	142 E	69	40
1 1	3 30.22	+23 36.4	1.002	1.838	22.0	19.9	136 E	69	40
1 6	3 26.90	+23 5.9	1.061	1.851	24.1	20.1	130 E	68	41
1 11	3 25.05	+22 41.5	1.124	1.863	25.9	20.3	124 E	68	41
1 16	3 24.51	+22 22.9	1.188	1.873	27.4	20.5	119 E	67	42
1 21	3 25.13	+22 9.6	1.255	1.882	28.6	20.6	114 E	67	42
		226237 2002 XQ_{14}							
12 27	8 24.03	+25 7.6	1.428	2.345	11.2	19.9	153 W	70	39
1 1	8 18.31	+25 10.6	1.419	2.362	8.7	19.8	159 W	70	39
1 6	8 12.07	+25 12.6	1.416	2.380	6.1	19.7	165 W	70	39
1 11	8 5.51	+25 13.0	1.421	2.397	3.6	19.6	171 W	70	39
1 16	7 58.84	+25 11.4	1.433	2.415	1.9	19.5	175 W	70	39
1 21	7 52.29	+25 7.5	1.452	2.432	2.8	19.6	173 E	70	39
1 26	7 46.05	+25 1.3	1.479	2.449	5.0	19.8	167 E	70	39
1 31	7 40.30	+24 52.7	1.512	2.466	7.4	20.0	161 E	70	39
2 5	7 35.19	+24 42.2	1.552	2.482	9.6	20.2	155 E	70	39
2 15	7 27.25	+24 16.3	1.651	2.515	13.5	20.5	144 E	69	40
2 25	7 22.70	+23 46.0	1.771	2.547	16.6	20.8	133 E	69	40
3 7	7 21.48	+23 13.3	1.907	2.578	19.0	21.0	122 E	68	41
3 17	7 23.28	+22 39.0	2.056	2.608	20.6	21.3	113 E	68	41
3 27	7 27.71	+22 3.3	2.212	2.638	21.5	21.5	104 E	67	42
		330848 2009 PT_5							
12 27	8 24.03	+23 38.6	1.897	2.806	9.3	21.6	152 W	69	40
1 1	8 19.27	+23 52.9	1.871	2.809	7.4	21.4	159 W	69	40
1 6	8 14.02	+24 7.1	1.852	2.812	5.3	21.3	165 W	69	40
1 11	8 8.38	+24 20.7	1.840	2.815	3.2	21.2	171 W	69	40
1 16	8 2.52	+24 33.1	1.837	2.818	1.5	21.1	176 W	70	39
1 21	7 56.60	+24 43.7	1.840	2.821	2.1	21.1	174 E	70	39
1 26	7 50.78	+24 52.3	1.852	2.823	4.0	21.3	168 E	70	39
1 31	7 45.22	+24 58.6	1.871	2.825	6.1	21.4	162 E	70	39
2 5	7 40.05	+25 2.6	1.897	2.827	8.1	21.5	156 E	70	39
2 10	7 35.40	+25 4.2	1.930	2.829	10.0	21.6	150 E	70	39
2 15	7 31.37	+25 3.7	1.969	2.830	11.8	21.7	144 E	70	39
		471199 2010 SC_{19}							
12 27	8 24.43	+18 30.8	1.662	2.569	10.6	22.3	151 W	64	45
1 6	8 14.57	+19 6.7	1.618	2.578	6.0	22.1	164 W	64	45
1 16	8 3.09	+19 46.0	1.602	2.585	1.2	21.8	177 W	65	44
1 26	7 51.29	+20 23.9	1.616	2.592	3.8	22.0	170 E	65	44
2 5	7 40.56	+20 56.4	1.660	2.597	8.4	22.3	157 E	66	43
		168315 1982 RA_1							
12 27	8 26.59	+11 0.5	1.936	2.820	10.6	20.9	148 W	56	53
1 6	8 17.36	+11 18.8	1.874	2.818	6.9	20.6	160 W	56	53
1 16	8 6.57	+11 48.0	1.840	2.814	3.4	20.4	170 W	57	52
1 26	7 55.29	+12 24.8	1.837	2.809	3.9	20.4	169 E	57	52
1 31	7 49.83	+12 45.0	1.847	2.806	5.6	20.5	164 E	58	51
2 5	7 44.68	+13 5.7	1.864	2.803	7.5	20.6	158 E	58	51
2 10	7 39.96	+13 26.4	1.889	2.800	9.4	20.7	152 E	58	51
2 15	7 35.77	+13 46.9	1.919	2.796	11.3	20.8	146 E	59	50
2 20	7 32.21	+14 6.8	1.956	2.792	13.0	20.9	141 E	59	50
2 25	7 29.32	+14 25.7	1.999	2.788	14.5	21.0	135 E	59	50
3 2	7 27.13	+14 43.5	2.045	2.783	15.9	21.1	130 E	60	49
3 7	7 25.67	+14 59.9	2.096	2.778	17.2	21.2	124 E	60	49
3 12	7 24.93	+15 15.0	2.151	2.773	18.3	21.3	119 E	60	49
3 17	7 24.90	+15 28.5	2.208	2.767	19.2	21.4	114 E	60	49
3 22	7 25.55	+15 40.4	2.267	2.761	19.9	21.5	109 E	61	48
		381946 2010 DP_{20}							
12 27	8 28.19	+39 29.4	0.667	1.593	18.5	18.8	149 W	84	25
1 1	8 17.32	+38 2.4	0.645	1.593	14.9	18.6	155 W	83	26
1 6	8 5.33	+36 19.1	0.629	1.592	11.4	18.4	161 W	81	28
1 11	7 52.80	+34 19.5	0.619	1.592	8.3	18.2	167 W	79	30
1 16	7 40.37	+32 5.6	0.616	1.592	7.0	18.2	169 E	77	32
1 21	7 28.68	+29 41.2	0.620	1.592	8.5	18.3	166 E	75	34
1 26	7 18.23	+27 11.4	0.630	1.593	11.7	18.4	161 E	72	37
1 31	7 9.35	+24 41.7	0.647	1.594	15.4	18.6	155 E	70	39
2 5	7 2.21	+22 16.8	0.669	1.594	19.0	18.8	148 E	67	42

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		381946 2010 DP_{20}						*(continuation)*	
	h m	° ′			°	m	°	°	°
2 10	6 56.87	+20 0.0	0.697	1.595	22.3	19.0	142 E	65	44
2 15	6 53.28	+17 53.6	0.730	1.597	25.3	19.2	136 E	63	46
2 25	6 50.90	+14 14.3	0.806	1.600	30.2	19.6	126 E	59	50
3 7	6 53.89	+11 16.3	0.892	1.604	33.6	19.9	117 E	56	53
3 17	7 1.10	+ 8 50.9	0.985	1.608	35.9	20.2	109 E	54	55
3 22	7 6.00	+ 7 47.3	1.032	1.611	36.7	20.3	105 E	53	56
3 27	7 11.61	+ 6 48.3	1.081	1.613	37.3	20.4	102 E	52	57
4 1	7 17.84	+ 5 52.9	1.129	1.616	37.7	20.5	99 E	51*	58
4 6	7 24.62	+ 5 0.3	1.178	1.619	38.0	20.6	96 E	49*	59
4 11	7 31.89	+ 4 9.8	1.226	1.622	38.1	20.7	93 E	47*	60
4 16	7 39.61	+ 3 20.5	1.274	1.625	38.1	20.8	90 E	45*	61*
4 21	7 47.72	+ 2 32.1	1.322	1.629	38.1	20.9	88 E	43*	61*
4 26	7 56.17	+ 1 43.9	1.369	1.632	37.9	21.0	85 E	40*	62*
5 1	8 4.93	+ 0 55.7	1.416	1.636	37.7	21.0	83 E	38*	62*
5 6	8 13.96	+ 0 7.1	1.462	1.640	37.4	21.1	81 E	35*	63*
5 11	8 23.25	− 0 42.1	1.507	1.644	37.1	21.2	79 E	32*	63*
5 16	8 32.78	− 1 32.2	1.552	1.648	36.7	21.2	77 E	29*	63*
5 21	8 42.52	− 2 23.4	1.596	1.652	36.3	21.3	75 E	26*	63*
5 26	8 52.45	− 3 15.8	1.639	1.656	35.8	21.3	73 E	23*	63*
5 31	9 2.56	− 4 9.4	1.681	1.660	35.3	21.4	71 E	20*	62*
6 5	9 12.83	− 5 4.3	1.723	1.664	34.8	21.4	69 E	17*	61*
6 10	9 23.27	− 6 0.5	1.763	1.668	34.3	21.5	68 E	14*	61*
		144870 2004 MA_8							
12 27	8 28.68	+39 1.8	1.834	2.725	10.6	18.5	149 W	84	25
1 1	8 24.51	+39 41.7	1.781	2.696	9.4	18.3	153 W	85	24
1 6	8 19.54	+40 20.0	1.735	2.666	8.4	18.2	157 W	85	24
1 11	8 13.84	+40 55.1	1.695	2.636	7.8	18.1	159 W	86	23
1 16	8 7.56	+41 25.9	1.662	2.605	7.7	18.0	159 W	86	23
1 21	8 0.86	+41 51.0	1.636	2.575	8.2	18.0	158 E	87	22
1 26	7 53.98	+42 9.7	1.617	2.545	9.4	18.0	155 E	87	22
1 31	7 47.12	+42 21.2	1.605	2.514	10.8	18.0	151 E	87	22
2 5	7 40.54	+42 25.3	1.599	2.483	12.5	18.0	147 E	87	22
2 10	7 34.45	+42 22.1	1.598	2.452	14.3	18.1	142 E	87	22
2 15	7 29.07	+42 12.0	1.604	2.422	16.1	18.1	137 E	87	22
2 20	7 24.55	+41 55.7	1.613	2.391	17.9	18.2	132 E	87	22
2 25	7 21.02	+41 34.0	1.628	2.360	19.6	18.2	127 E	87	22
3 2	7 18.55	+41 7.8	1.645	2.329	21.1	18.3	122 E	86	23
3 7	7 17.15	+40 37.9	1.666	2.298	22.6	18.3	117 E	86	23
3 17	7 17.62	+39 29.2	1.713	2.236	25.0	18.4	108 E	84	25
3 27	7 22.20	+38 12.1	1.765	2.174	26.9	18.4	100 E	83	26
4 6	7 30.42	+36 48.5	1.819	2.112	28.3	18.5	92 E	80*	27
4 11	7 35.73	+36 4.2	1.846	2.081	28.8	18.5	89 E	77*	28
4 16	7 41.77	+35 18.3	1.872	2.051	29.2	18.5	85 E	73*	29*
4 21	7 48.48	+34 30.6	1.897	2.021	29.5	18.5	82 E	70*	29*
4 26	7 55.78	+33 40.8	1.921	1.991	29.7	18.5	79 E	66*	30*
5 6	8 11.97	+31 54.5	1.966	1.932	30.0	18.5	73 E	59*	32*
5 16	8 29.98	+29 57.6	2.006	1.874	30.0	18.5	68 E	52*	33*
5 26	8 49.47	+27 48.6	2.040	1.819	29.7	18.4	63 E	45*	34*
6 5	9 10.14	+25 26.3	2.069	1.765	29.3	18.4	59 E	38*	35*
6 15	9 31.80	+22 49.5	2.093	1.715	28.8	18.3	54 E	32*	35*
6 25	9 54.26	+19 57.8	2.112	1.668	28.2	18.3	51 E	27*	35*
7 5	10 17.39	+16 51.4	2.129	1.625	27.5	18.2	47 E	22*	35*
7 15	10 41.12	+13 30.8	2.143	1.586	26.7	18.2	44 E	18*	34*
7 25	11 5.40	+ 9 57.3	2.156	1.553	25.8	18.1	42 E	15*	33*
8 4	11 30.24	+ 6 13.0	2.170	1.526	24.9	18.0	39 E	12*	32*
8 14	11 55.67	+ 2 20.2	2.185	1.505	23.9	18.0	37 E	10*	30*
8 24	12 21.74	− 1 37.4	2.203	1.491	22.8	18.0	35 E	7*	29*
9 3	12 48.54	− 5 36.2	2.225	1.484	21.7	17.9	33 E	6*	27*
9 13	13 16.15	− 9 31.8	2.252	1.484	20.5	17.9	31 E	4*	25*
9 23	13 44.63	−13 19.4	2.284	1.492	19.2	17.9	29 E	3*	23*
10 3	14 14.03	−16 54.3	2.322	1.506	17.8	17.9	27 E	1*	21*
10 13	14 44.37	−20 11.9	2.366	1.528	16.4	18.0	26 E	—	19*
10 23	15 15.58	−23 7.9	2.416	1.556	14.8	18.0	24 E	—	18*
11 2	15 47.52	−25 38.9	2.470	1.590	13.3	18.0	22 E	—	15*
11 12	16 19.98	−27 42.4	2.529	1.628	11.6	18.1	19 E	—	13*
11 22	16 52.65	−29 17.0	2.591	1.672	10.0	18.1	17 E	—	11*
12 2	17 25.20	−30 22.5	2.656	1.719	8.3	18.2	15 E	—	8*
12 12	17 57.27	−31 0.0	2.720	1.770	6.7	18.2	12 E	—	6*
12 22	18 28.50	−31 11.5	2.784	1.824	5.4	18.3	10 E	—	3*
1 1	18 58.63	−30 59.9	2.846	1.879	4.5	18.3	9 E	—	1*
1 11	19 27.43	−30 28.5	2.904	1.937	4.4	18.4	9 W	—	—
1 21	19 54.77	−29 40.8	2.956	1.996	5.1	18.6	10 W	—	2*
		344147 2000 PK_8							
12 27	8 29.12	+33 54.5	1.181	2.095	13.3	20.5	151 W	79	30
1 1	8 21.45	+33 46.3	1.184	2.122	10.7	20.5	156 W	79	30
1 6	8 13.29	+33 33.6	1.194	2.150	8.2	20.4	162 W	79	30
1 11	8 4.94	+33 15.8	1.210	2.177	6.2	20.4	166 W	78	31

344147 2000 PK_8 *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
1 16	7 56.69	+32 52.7	1.233	2.205	5.3	20.4	168 W	78	31
1 21	7 48.83	+32 24.9	1.263	2.232	5.9	20.5	166 E	77	32
1 26	7 41.61	+31 52.9	1.300	2.259	7.5	20.7	162 E	77	32
1 31	7 35.21	+31 17.7	1.344	2.285	9.5	20.9	157 E	76	33
2 5	7 29.74	+30 40.3	1.395	2.312	11.5	21.1	152 E	76	33
2 10	7 25.27	+30 1.5	1.451	2.338	13.5	21.2	147 E	75	34
2 15	7 21.84	+29 22.3	1.513	2.365	15.2	21.4	141 E	74	35

141742 2002 LT_{36}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 27	8 29.21	+12 25.7	1.853	2.739	10.9	20.3	148 W	57	52
1 6	8 19.67	+12 32.9	1.816	2.762	6.9	20.1	160 W	58	51
1 16	8 8.77	+12 48.9	1.808	2.783	3.2	19.9	171 W	58	51
1 26	7 57.66	+13 11.0	1.829	2.804	3.6	20.0	170 E	58	51
2 5	7 47.48	+13 36.0	1.881	2.823	7.2	20.3	159 E	59	50
2 15	7 39.19	+14 1.0	1.960	2.842	10.8	20.5	147 E	59	50
2 25	7 33.41	+14 23.9	2.064	2.859	13.9	20.7	136 E	59	50
3 7	7 30.39	+14 43.2	2.186	2.876	16.3	21.0	125 E	60	49
3 17	7 30.08	+14 58.0	2.322	2.891	18.1	21.2	115 E	60	49
3 27	7 32.28	+15 7.6	2.468	2.906	19.3	21.4	106 E	60	49

237881 2002 LN_3

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 27	8 29.37	− 0 30.9	2.638	3.460	10.3	21.4	141 W	44	65
1 6	8 22.08	− 0 23.8	2.575	3.467	8.0	21.2	151 W	45	64
1 16	8 13.70	− 0 0.7	2.540	3.473	6.0	21.1	158 W	45	64
1 26	8 4.95	+ 0 37.4	2.534	3.478	5.4	21.1	161 E	46	63
2 5	7 56.57	+ 1 27.5	2.559	3.482	6.6	21.2	156 E	46	63
2 15	7 49.26	+ 2 25.9	2.612	3.486	8.8	21.3	147 E	47	62
2 25	7 43.58	+ 3 28.3	2.692	3.488	11.0	21.5	138 E	48	61

483547 2003 WM_{25}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 27	8 29.54	+33 52.6	1.230	2.141	13.1	20.7	151 W	79	30
1 1	8 22.52	+34 45.2	1.241	2.176	10.6	20.6	156 W	80	29
1 6	8 14.94	+35 32.0	1.259	2.210	8.6	20.6	160 W	81	28
1 11	8 7.06	+36 11.6	1.284	2.245	7.2	20.6	163 W	81	28
1 16	7 59.17	+36 43.2	1.316	2.278	6.8	20.7	164 W	82	27
1 21	7 51.56	+37 6.5	1.355	2.312	7.5	20.8	162 E	82	27
1 26	7 44.48	+37 21.6	1.401	2.345	8.8	21.0	159 E	82	27
1 31	7 38.13	+37 29.3	1.453	2.378	10.5	21.2	154 E	82	27
2 5	7 32.64	+37 30.3	1.511	2.410	12.2	21.3	149 E	83	26
2 10	7 28.12	+37 25.7	1.576	2.443	13.8	21.5	144 E	82	27
2 15	7 24.60	+37 16.5	1.645	2.474	15.3	21.7	139 E	82	27

106848 2000 YP_{16}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 27	8 29.89	+15 39.2	0.470	1.408	20.9	16.9	149 W	61	48
1 6	8 31.62	+14 1.3	0.425	1.387	15.2	16.5	158 W	59	50
1 16	8 29.70	+12 32.2	0.393	1.370	9.0	16.1	167 W	58	51
1 26	8 25.72	+11 18.0	0.376	1.358	5.6	15.8	172 E	56	53
1 31	8 23.66	+10 47.7	0.373	1.354	7.2	15.8	170 E	56	53
2 5	8 21.95	+10 22.1	0.374	1.352	10.1	16.0	166 E	55	54
2 10	8 20.86	+10 1.3	0.378	1.351	13.4	16.1	162 E	55	54
2 15	8 20.66	+ 9 44.7	0.385	1.351	16.6	16.3	157 E	55	54
2 20	8 21.53	+ 9 31.5	0.396	1.352	19.7	16.4	152 E	55	54
2 25	8 23.57	+ 9 20.7	0.409	1.355	22.6	16.6	148 E	54	55
3 2	8 26.78	+ 9 11.3	0.425	1.359	25.2	16.8	144 E	54	55
3 7	8 31.13	+ 9 2.5	0.444	1.364	27.5	16.9	141 E	54	55
3 12	8 36.56	+ 8 53.3	0.465	1.371	29.6	17.1	137 E	54	55
3 17	8 42.99	+ 8 42.9	0.488	1.379	31.4	17.3	134 E	54	55
3 27	8 58.42	+ 8 15.5	0.542	1.398	34.3	17.6	128 E	53	56
4 6	9 16.45	+ 7 36.7	0.605	1.421	36.3	18.0	123 E	53	56
4 16	9 36.26	+ 6 45.0	0.676	1.449	37.7	18.3	118 E	52	57
4 26	9 57.20	+ 5 39.9	0.755	1.480	38.6	18.6	114 E	51	58
5 6	10 18.70	+ 4 22.8	0.841	1.513	39.0	18.9	109 E	49*	60
5 16	10 40.44	+ 2 55.4	0.936	1.549	39.0	19.2	105 E	46*	61
5 26	11 2.21	+ 1 19.5	1.038	1.588	38.7	19.4	101 E	43*	63
6 5	11 23.82	− 0 22.6	1.146	1.627	38.2	19.7	98 E	39*	64
6 15	11 45.25	− 2 9.2	1.261	1.668	37.4	19.9	94 E	34*	66
6 25	12 6.46	− 3 58.4	1.381	1.710	36.5	20.1	90 E	30*	68
7 5	12 27.47	− 5 48.4	1.506	1.752	35.4	20.4	86 E	26*	70*
7 15	12 48.31	− 7 38.0	1.634	1.795	34.1	20.6	82 E	23*	70*
7 25	13 9.04	− 9 25.7	1.766	1.837	32.7	20.7	78 E	21*	69*
8 4	13 29.67	−11 10.4	1.900	1.880	31.1	20.9	73 E	18*	66*
8 14	13 50.27	−12 51.0	2.035	1.922	29.5	21.0	69 E	17*	63*
8 24	14 10.89	−14 26.6	2.170	1.963	27.7	21.2	65 E	15*	58*
9 3	14 31.53	−15 56.2	2.304	2.004	25.9	21.3	60 E	14*	54*
9 13	14 52.25	−17 19.2	2.436	2.044	24.0	21.4	56 E	13*	50*
9 23	15 13.05	−18 34.6	2.564	2.083	22.0	21.5	51 E	12*	45*

162472 2000 LL

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 27	8 30.10	−37 5.7	0.685	1.398	40.5	20.6	113 W	8	79
1 1	8 21.43	−40 12.9	0.685	1.401	40.3	20.6	113 W	5	76
1 6	8 11.18	−42 55.3	0.688	1.403	40.2	20.6	113 W	2	73
1 11	7 59.61	−45 10.0	0.694	1.405	40.3	20.6	113 W	—	71
1 16	7 47.12	−46 55.0	0.701	1.406	40.4	20.7	112 E	—	69
1 21	7 34.26	−48 9.6	0.709	1.407	40.6	20.7	111 E	—	68
1 26	7 21.63	−48 55.1	0.719	1.408	41.0	20.7	110 E	—	67
1 31	7 9.80	−49 13.6	0.730	1.408	41.3	20.8	109 E	—	67
2 5	6 59.24	−49 8.1	0.741	1.407	41.7	20.8	108 E	—	67
2 10	6 50.33	−48 41.7	0.752	1.406	42.1	20.9	107 E	—	67
2 15	6 43.29	−47 57.8	0.764	1.405	42.5	20.9	106 E	—	68
2 20	6 38.24	−47 0.1	0.775	1.403	42.9	20.9	105 E	—	69
2 25	6 35.16	−45 51.5	0.785	1.401	43.3	21.0	104 E	—	70
3 2	6 33.96	−44 34.8	0.795	1.399	43.8	21.0	103 E	—	71
3 7	6 34.51	−43 11.6	0.805	1.396	44.2	21.0	101 E	2	73
3 12	6 36.72	−41 43.7	0.813	1.392	44.6	21.1	100 E	3	74
3 17	6 40.45	−40 12.3	0.821	1.389	45.0	21.1	99 E	5	76
3 22	6 45.59	−38 38.7	0.828	1.384	45.4	21.1	98 E	6	77
3 27	6 52.00	−37 3.7	0.835	1.380	45.8	21.2	97 E	8*	79
4 1	6 59.59	−35 27.8	0.841	1.375	46.3	21.2	96 E	9*	81
4 6	7 8.25	−33 51.4	0.846	1.369	46.7	21.2	95 E	10*	82*
4 11	7 17.92	−32 14.7	0.851	1.364	47.1	21.2	94 E	11*	83*
4 16	7 28.52	−30 38.2	0.856	1.357	47.6	21.2	93 E	12*	84*
4 21	7 39.99	−29 2.3	0.860	1.351	48.0	21.2	93 E	13*	85*
4 26	7 52.25	−27 27.1	0.865	1.344	48.4	21.2	92 E	13*	85*
5 1	8 5.23	−25 52.9	0.870	1.337	48.9	21.3	91 E	13*	84*
5 6	8 18.87	−24 19.7	0.875	1.330	49.3	21.3	90 E	14*	84*
5 11	8 33.12	−22 47.9	0.880	1.322	49.8	21.3	88 E	14*	82*
5 16	8 47.92	−21 17.8	0.887	1.314	50.2	21.3	87 E	14*	81*
5 21	9 3.21	−19 49.8	0.894	1.306	50.7	21.3	86 E	14*	80*
5 26	9 18.91	−18 24.1	0.902	1.297	51.1	21.3	85 E	14*	78*
5 31	9 34.95	−17 0.9	0.911	1.289	51.5	21.4	84 E	14*	77*
6 5	9 51.28	−15 40.4	0.922	1.280	51.8	21.4	83 E	14*	76*
6 10	10 7.84	−14 23.0	0.933	1.271	52.1	21.4	81 E	14*	74*
6 15	10 24.57	−13 9.0	0.946	1.262	52.4	21.4	80 E	14*	73*
6 20	10 41.42	−11 58.6	0.960	1.253	52.7	21.4	79 E	15*	71*
6 25	10 58.33	−10 51.8	0.975	1.244	52.8	21.5	77 E	15*	70*
6 30	11 15.24	− 9 48.7	0.991	1.235	53.0	21.5	76 E	16*	68*

277617 2006 BT_7

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 27	8 30.30	+21 37.5	1.493	2.400	11.6	21.8	151 W	67	42
1 1	8 22.78	+21 44.0	1.449	2.388	9.1	21.6	158 W	67	42
1 6	8 14.35	+21 50.3	1.413	2.375	6.3	21.4	165 W	67	42
1 11	8 5.17	+21 55.6	1.384	2.361	3.4	21.2	172 W	67	42
1 16	7 55.45	+21 59.0	1.364	2.347	0.6	20.9	179 W	67	42
1 21	7 45.48	+22 0.0	1.352	2.332	2.8	21.1	173 E	67	42
1 26	7 35.54	+21 58.1	1.348	2.316	5.9	21.2	166 E	67	42
1 31	7 25.92	+21 53.3	1.353	2.299	8.9	21.4	159 E	67	42
2 5	7 16.88	+21 45.6	1.365	2.281	11.8	21.5	152 E	67	42
2 10	7 8.65	+21 35.6	1.384	2.263	14.6	21.6	145 E	67	42
2 15	7 1.40	+21 23.6	1.410	2.243	17.1	21.7	138 E	66	43

469276 1993 RQ

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 27	8 30.44	+29 48.5	1.683	2.587	10.6	21.9	151 W	75	34
1 1	8 24.82	+30 3.5	1.668	2.601	8.6	21.8	157 W	75	34
1 6	8 18.64	+30 16.6	1.660	2.614	6.6	21.7	162 W	75	34
1 11	8 12.07	+30 26.9	1.659	2.627	4.8	21.6	167 W	75	34
1 16	8 5.31	+30 33.7	1.666	2.640	3.7	21.6	170 W	76	33
1 21	7 58.56	+30 36.8	1.680	2.653	4.1	21.6	169 E	76	33
1 26	7 52.01	+30 35.8	1.702	2.665	5.5	21.7	165 E	76	33
1 31	7 45.86	+30 30.8	1.731	2.677	7.3	21.9	160 E	76	33
2 5	7 40.25	+30 22.2	1.767	2.689	9.2	22.0	154 E	75	34
2 10	7 35.30	+30 10.4	1.810	2.701	11.0	22.1	148 E	75	34
2 15	7 31.10	+29 55.8	1.858	2.712	12.7	22.3	143 E	75	34

276741 2004 EM_{66}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 27	8 30.60	+38 8.2	1.693	2.587	11.2	20.4	149 W	83	26
1 1	8 25.68	+38 52.7	1.650	2.568	9.8	20.3	153 W	84	25
1 6	8 19.90	+39 35.2	1.614	2.548	8.7	20.2	157 W	85	24
1 11	8 13.36	+40 14.1	1.584	2.528	7.9	20.1	159 W	85	24
1 16	8 6.23	+40 47.9	1.562	2.508	7.7	20.0	160 W	86	23
1 21	7 58.73	+41 15.4	1.546	2.488	8.3	20.0	159 E	86	23
1 26	7 51.10	+41 35.7	1.537	2.467	9.5	20.0	155 E	87	22
1 31	7 43.60	+41 48.2	1.535	2.446	11.1	20.1	151 E	87	22
2 5	7 36.49	+41 52.9	1.540	2.425	12.9	20.1	147 E	87	22
2 10	7 29.99	+41 50.1	1.550	2.403	14.8	20.2	142 E	87	22
2 15	7 24.32	+41 40.4	1.566	2.382	16.6	20.2	137 E	87	22
2 20	7 19.62	+41 24.7	1.586	2.360	18.3	20.3	131 E	86	23
2 25	7 15.99	+41 4.0	1.611	2.337	19.9	20.4	126 E	86	23
3 2	7 13.47	+40 39.2	1.639	2.315	21.4	20.4	121 E	86	23
3 7	7 12.08	+40 11.1	1.669	2.292	22.8	20.5	117 E	85	24
3 12	7 11.78	+39 40.5	1.702	2.269	24.0	20.6	112 E	85	24

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	276741 2004 EM_{66}				*(continuation)*				
	h m	° ′			°	m	°	°	°
3 17	7 12.55	+39 7.9	1.737	2.246	25.0	20.6	107 E	84	25
3 22	7 14.34	+38 33.8	1.773	2.223	25.9	20.7	103 E	84	25
3 27	7 17.07	+37 58.4	1.809	2.199	26.6	20.7	99 E	83	26
4 1	7 20.66	+37 21.8	1.845	2.175	27.2	20.7	95 E	82*	27
4 6	7 25.05	+36 44.1	1.882	2.151	27.7	20.8	91 E	79*	27
4 11	7 30.18	+36 5.3	1.918	2.127	28.1	20.8	88 E	76*	28
4 16	7 35.98	+35 25.2	1.953	2.103	28.3	20.8	84 E	73*	29*
4 21	7 42.40	+34 43.8	1.987	2.078	28.5	20.8	81 E	69*	29*
4 26	7 49.36	+34 1.0	2.020	2.054	28.6	20.8	78 E	65*	30*
5 1	7 56.82	+33 16.4	2.051	2.029	28.6	20.9	74 E	62*	30*
5 6	8 4.73	+32 30.0	2.081	2.004	28.5	20.9	72 E	58*	31*
5 11	8 13.05	+31 41.6	2.110	1.980	28.4	20.9	69 E	54*	31*
5 16	8 21.74	+30 50.9	2.136	1.955	28.2	20.9	66 E	51*	31*
5 21	8 30.77	+29 57.9	2.161	1.930	27.9	20.8	63 E	47*	32*
5 26	8 40.09	+29 2.3	2.184	1.905	27.6	20.8	61 E	44*	32*
5 31	8 49.68	+28 4.1	2.204	1.880	27.3	20.8	58 E	40*	32*
6 5	8 59.51	+27 3.0	2.223	1.855	26.9	20.8	56 E	37*	32*
6 10	9 9.56	+25 59.0	2.241	1.830	26.5	20.8	54 E	34*	32*
6 15	9 19.82	+24 51.9	2.256	1.806	26.1	20.7	51 E	31*	32*
6 20	9 30.27	+23 41.8	2.269	1.781	25.6	20.7	49 E	29*	32*
6 25	9 40.87	+22 28.4	2.281	1.757	25.1	20.7	47 E	26*	32*
6 30	9 51.63	+21 11.9	2.291	1.733	24.6	20.6	45 E	24*	31*
7 5	10 2.55	+19 52.0	2.299	1.709	24.1	20.6	43 E	22*	31*
7 10	10 13.60	+18 29.0	2.306	1.685	23.6	20.6	42 E	20*	30*
7 15	10 24.79	+17 2.6	2.311	1.662	23.0	20.5	40 E	18*	29*
7 20	10 36.12	+15 33.1	2.315	1.639	22.5	20.5	38 E	16*	28*
7 25	10 47.58	+14 0.5	2.318	1.617	21.9	20.4	36 E	14*	27*
8 4	11 10.92	+10 46.3	2.320	1.574	20.7	20.3	33 E	12*	25*
8 14	11 34.86	+ 7 20.9	2.319	1.534	19.6	20.2	30 E	9*	23*
8 24	11 59.47	+ 3 45.8	2.315	1.497	18.4	20.1	28 E	7*	21*
9 3	12 24.86	+ 0 3.3	2.310	1.463	17.2	20.1	25 E	6*	19*
9 13	12 51.16	− 3 44.3	2.304	1.434	16.0	20.0	23 E	4*	17*
9 23	13 18.53	− 7 33.4	2.300	1.410	14.8	19.9	21 E	2*	15*
10 3	13 47.11	−11 19.9	2.297	1.392	13.7	19.8	19 E	1*	13*
10 13	14 17.07	−14 59.3	2.298	1.379	12.6	19.7	17 E	—	11*
10 23	14 48.51	−18 26.1	2.302	1.372	11.4	19.7	16 E	—	10*
11 2	15 21.49	−21 34.5	2.310	1.372	10.4	19.7	14 E	—	8*
11 12	15 55.96	−24 18.9	2.324	1.377	9.3	19.6	13 E	—	7*
11 22	16 31.73	−26 34.0	2.342	1.389	8.3	19.6	12 E	—	6*
12 2	17 8.45	−28 15.6	2.366	1.407	7.2	19.6	10 E	—	4*
12 12	17 45.65	−29 21.2	2.394	1.430	6.3	19.7	9 E	—	3*
12 22	18 22.75	−29 50.0	2.426	1.459	5.5	19.7	8 E	—	2*
12 27	18 41.08	−29 51.1	2.443	1.475	5.2	19.7	8 E	—	1*
1 1	18 59.18	−29 43.6	2.461	1.491	4.9	19.7	7 E	—	—
1 6	19 16.98	−29 28.1	2.479	1.509	4.7	19.8	7 E	—	—
1 11	19 34.42	−29 5.2	2.498	1.528	4.7	19.8	7 E	—	—
1 16	19 51.47	−28 35.3	2.517	1.547	4.8	19.9	8 E	—	—
1 21	20 8.09	−27 59.2	2.536	1.568	5.0	19.9	8 W	—	—
	438693 2008 PL_{15}								
12 27	8 31.64	+ 8 59.7	1.366	2.250	14.1	20.0	146 W	54	55
1 6	8 22.39	+ 9 17.4	1.348	2.289	9.4	19.9	158 W	54	55
1 16	8 11.60	+ 9 51.1	1.355	2.326	5.1	19.7	168 W	55	54
1 26	8 0.71	+10 36.1	1.391	2.364	4.7	19.8	169 E	56	53
1 31	7 55.68	+11 0.9	1.418	2.382	6.3	19.9	164 E	56	53
2 5	7 51.11	+11 26.4	1.453	2.401	8.3	20.1	159 E	56	53
2 10	7 47.14	+11 51.8	1.494	2.419	10.4	20.3	154 E	57	52
2 15	7 43.86	+12 16.7	1.541	2.437	12.3	20.4	148 E	57	52
2 25	7 39.56	+13 3.0	1.651	2.473	15.7	20.7	138 E	58	51
3 7	7 38.33	+13 42.5	1.780	2.509	18.3	21.0	127 E	59	50
3 17	7 40.01	+14 13.9	1.922	2.543	20.2	21.3	118 E	59	50
3 27	7 44.28	+14 36.4	2.074	2.578	21.5	21.5	109 E	60	49
	374855 2006 VQ_{13}								
12 27	8 32.12	−14 16.1	0.704	1.540	28.8	21.4	131 W	31	78
1 1	8 21.35	−15 19.9	0.691	1.551	26.6	21.4	135 W	30	79
1 6	8 9.37	−16 6.5	0.681	1.560	24.7	21.3	139 W	29	80
1 11	7 56.56	−16 33.4	0.677	1.569	23.2	21.2	141 W	28	81
1 16	7 43.41	−16 39.3	0.678	1.575	22.4	21.2	142 E	28	81
1 21	7 30.47	−16 24.2	0.684	1.581	22.4	21.2	142 E	29	80
1 26	7 18.27	−15 50.0	0.695	1.585	23.1	21.3	141 E	29	80
1 31	7 7.21	−14 59.3	0.711	1.588	24.4	21.4	138 E	30	79
2 5	6 57.59	−13 55.7	0.732	1.590	26.1	21.5	135 E	31	78
2 10	6 49.61	−12 42.6	0.757	1.590	27.9	21.6	131 E	32	77
	477230 2009 RW_6								
12 27	8 33.41	+14 11.0	1.826	2.711	11.1	22.0	148 W	59	50
1 6	8 24.23	+14 31.0	1.785	2.730	7.0	21.8	160 W	60	49
1 16	8 13.53	+14 58.7	1.772	2.749	2.9	21.5	172 W	60	49
1 26	8 2.46	+15 30.4	1.788	2.767	2.9	21.6	172 E	61	48

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	477230 2009 RW_6				*(continuation)*				
	h m	° ′			°	m	°	°	°
2 5	7 52.21	+16 2.2	1.835	2.783	6.9	21.9	160 E	61	48
2 15	7 43.77	+16 31.4	1.910	2.799	10.7	22.1	148 E	62	47
	202411 2005 RC								
12 27	8 33.61	−17 48.4	0.747	1.559	29.8	18.8	128 W	27	82
1 1	8 31.29	−20 29.3	0.671	1.502	30.4	18.5	129 W	25	84
1 6	8 27.34	−23 29.4	0.599	1.443	31.4	18.2	130 W	22	87
1 11	8 21.28	−26 53.0	0.530	1.384	33.2	17.9	130 W	18	89
1 16	8 12.38	−30 45.9	0.466	1.323	35.9	17.6	128 W	14	85
1 18	8 7.78	−32 29.0	0.442	1.298	37.3	17.5	127 W	13	84
1 20	8 2.43	−34 18.5	0.418	1.273	39.0	17.4	125 E	11	82
1 22	7 56.19	−36 15.2	0.395	1.248	40.9	17.3	124 E	9	80
1 24	7 48.87	−38 19.7	0.373	1.223	43.2	17.2	122 E	7	78
1 26	7 40.23	−40 32.6	0.352	1.197	45.8	17.1	119 E	4	75
1 28	7 29.94	−42 54.4	0.332	1.172	48.7	17.0	117 E	2	73
1 30	7 17.53	−45 25.2	0.313	1.146	52.1	16.9	113 E	—	71
2 1	7 2.38	−48 4.3	0.294	1.120	55.9	16.8	110 E	—	68
2 3	6 43.64	−50 49.8	0.278	1.094	60.2	16.8	106 E	—	65
2 5	6 20.17	−53 37.3	0.262	1.068	65.0	16.7	101 E	—	62
2 6	6 6.22	−54 59.6	0.255	1.054	67.7	16.7	98 E	—	61
2 7	5 50.53	−56 18.9	0.248	1.041	70.5	16.7	96 E	—	60
2 8	5 32.90	−57 33.5	0.242	1.028	73.4	16.7	93 E	—	58
2 9	5 13.20	−58 41.0	0.236	1.015	76.5	16.8	90 E	—	57
2 10	4 51.33	−59 38.6	0.231	1.001	79.8	16.8	87 E	—	56
2 11	4 27.35	−60 23.2	0.226	0.988	83.2	16.9	84 E	—	56*
2 12	4 1.49	−60 51.8	0.222	0.975	86.7	16.9	80 E	—	55*
2 13	3 34.19	−61 1.3	0.219	0.961	90.4	17.0	77 E	—	53*
2 14	3 6.12	−60 49.4	0.216	0.948	94.1	17.1	73 E	—	51*
2 15	2 38.04	−60 15.0	0.214	0.935	98.0	17.2	70 E	—	49*
2 16	2 10.74	−59 18.0	0.213	0.921	102.0	17.4	66 E	—	47*
2 17	1 44.86	−57 59.9	0.213	0.908	106.0	17.6	62 E	—	44*
2 18	1 20.86	−56 23.0	0.213	0.895	110.1	17.8	58 E	—	41*
2 19	0 58.99	−54 30.3	0.214	0.881	114.1	18.0	54 E	—	38*
2 20	0 39.30	−52 25.1	0.217	0.868	118.1	18.3	51 E	—	35*
2 21	0 21.71	−50 10.8	0.219	0.855	122.1	18.6	47 E	—	32*
2 22	0 6.08	−47 50.4	0.223	0.842	125.9	18.9	44 E	—	28*
2 23	23 52.21	−45 26.6	0.228	0.828	129.6	19.3	40 E	—	25*
2 24	23 39.91	−43 1.9	0.233	0.815	133.2	19.6	37 E	—	22*
2 25	23 28.99	−40 38.0	0.239	0.802	136.6	20.0	34 E	—	19*
2 26	23 19.29	−38 16.6	0.246	0.789	139.7	20.5	31 E	—	15*
2 27	23 10.66	−35 58.8	0.254	0.776	142.6	20.9	28 E	—	12*
2 28	23 2.96	−33 45.5	0.262	0.764	145.3	21.3	26 E	—	10*
	377021 2002 RW_{98}								
12 27	8 33.68	+35 42.9	1.683	2.577	11.2	20.4	149 W	81	28
1 1	8 28.23	+36 6.0	1.678	2.599	9.5	20.3	154 W	81	28
1 6	8 22.23	+36 25.5	1.679	2.619	7.8	20.3	159 W	81	28
1 11	8 15.85	+36 40.7	1.687	2.640	6.6	20.2	162 W	82	27
1 16	8 9.29	+36 50.7	1.703	2.661	6.0	20.3	164 W	82	27
1 21	8 2.77	+36 55.3	1.725	2.681	6.2	20.3	163 E	82	27
1 26	7 56.50	+36 54.3	1.755	2.702	7.1	20.4	160 E	82	27
1 31	7 50.64	+36 47.9	1.792	2.722	8.4	20.5	156 E	82	27
2 5	7 45.35	+36 36.7	1.835	2.742	9.9	20.7	151 E	82	27
2 10	7 40.74	+36 21.3	1.885	2.762	11.4	20.8	147 E	81	28
2 15	7 36.90	+36 2.2	1.940	2.781	12.8	20.9	141 E	81	28
2 20	7 33.88	+35 40.1	2.001	2.801	14.1	21.0	136 E	81	28
2 25	7 31.70	+35 15.8	2.067	2.820	15.3	21.2	131 E	80	29
3 2	7 30.33	+34 49.8	2.137	2.839	16.3	21.3	126 E	80	29
3 7	7 29.75	+34 22.6	2.210	2.858	17.2	21.4	122 E	79	30
	327140 2005 EE_{224}								
12 27	8 33.97	+61 28.6	1.070	1.903	21.1	22.5	136 W	74	3
1 1	8 24.98	+62 53.4	1.040	1.881	21.0	22.4	137 W	72	1
1 6	8 13.29	+64 7.4	1.014	1.859	21.1	22.3	137 W	71	—
1 11	7 59.10	+65 6.2	0.993	1.836	21.7	22.3	136 W	70	—
1 16	7 42.97	+65 45.9	0.977	1.813	22.5	22.2	135 E	69	—
1 21	7 25.88	+66 3.7	0.965	1.789	23.6	22.2	133 E	69	—
1 26	7 9.01	+65 58.7	0.957	1.766	25.0	22.2	131 E	69	—
1 31	6 53.53	+65 31.9	0.953	1.741	26.5	22.2	128 E	69	—
2 5	6 40.34	+64 45.7	0.952	1.717	28.1	22.2	125 E	70	—
2 10	6 29.99	+63 43.5	0.953	1.692	29.9	22.2	121 E	71	—
	207020 2004 VX_{14}								
12 27	8 34.57	+21 50.6	1.728	2.624	10.9	20.9	150 W	67	42
1 6	8 24.62	+22 14.7	1.673	2.627	6.6	20.6	162 W	67	42
1 16	8 12.77	+22 38.6	1.647	2.628	2.0	20.3	175 W	68	41
1 26	8 0.32	+22 57.8	1.650	2.628	3.3	20.4	171 E	68	41
1 31	7 54.32	+23 4.5	1.664	2.627	5.6	20.6	165 E	68	41
2 5	7 48.69	+23 9.0	1.684	2.627	7.9	20.7	159 E	68	41

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
207020 2004 VX_{14} *(continuation)*									
2 10	7 43.57	+23 11.4	1.711	2.626	10.0	20.8	152 E	68	41
2 15	7 39.09	+23 11.5	1.745	2.625	12.0	20.9	146 E	68	41
2 20	7 35.34	+23 9.7	1.784	2.623	13.9	21.0	141 E	68	41
2 25	7 32.38	+23 6.0	1.828	2.622	15.5	21.2	135 E	68	41
3 2	7 30.23	+23 0.7	1.877	2.620	17.0	21.3	129 E	68	41
3 7	7 28.89	+22 54.0	1.930	2.618	18.3	21.4	124 E	68	41
3 12	7 28.35	+22 45.9	1.986	2.615	19.4	21.5	119 E	68	41
220021 2002 QB_{16}									
12 27	8 34.60	−11 8.7	1.922	2.690	15.5	20.7	133 W	34	75
1 6	8 25.90	−11 49.3	1.880	2.713	13.3	20.6	141 W	33	76
1 16	8 15.75	−12 0.4	1.862	2.736	11.5	20.5	146 W	33	76
1 26	8 5.18	−11 41.0	1.868	2.758	10.7	20.5	149 E	33	76
2 5	7 55.28	−10 54.1	1.901	2.778	11.2	20.6	147 E	34	75
2 15	7 47.00	− 9 45.9	1.958	2.798	12.8	20.7	141 E	35	74
2 25	7 41.04	− 8 24.2	2.039	2.817	14.7	20.9	134 E	37	72
3 7	7 37.70	− 6 57.0	2.138	2.834	16.5	21.1	126 E	38	71
3 17	7 37.03	− 5 30.8	2.254	2.851	18.1	21.3	117 E	39	70
3 27	7 38.87	− 4 10.5	2.381	2.867	19.2	21.4	109 E	41	68
43017 1999 VA_2									
12 27	8 35.14	−15 5.9	1.762	2.509	17.5	19.7	130 W	30	79
1 1	8 30.83	−15 42.4	1.743	2.523	16.4	19.7	134 W	29	80
1 6	8 26.01	−16 10.6	1.728	2.536	15.4	19.7	137 W	29	80
1 11	8 20.78	−16 30.1	1.719	2.550	14.5	19.6	140 W	28	81
1 16	8 15.30	−16 40.2	1.716	2.563	13.7	19.6	142 W	28	81
1 21	8 9.71	−16 41.0	1.719	2.576	13.2	19.6	143 E	28	81
1 26	8 4.17	−16 32.6	1.727	2.589	12.9	19.6	144 E	28	81
1 31	7 58.84	−16 15.7	1.741	2.601	13.0	19.6	144 E	29	80
2 5	7 53.86	−15 51.0	1.762	2.614	13.3	19.7	142 E	29	80
2 10	7 49.33	−15 19.5	1.788	2.626	13.8	19.8	141 E	30	79
2 15	7 45.38	−14 42.2	1.820	2.638	14.5	19.8	138 E	30	79
2 20	7 42.07	−14 0.5	1.857	2.649	15.3	19.9	135 E	31	78
2 25	7 39.45	−13 15.5	1.899	2.661	16.2	20.0	132 E	32	77
3 2	7 37.56	−12 28.5	1.945	2.672	17.0	20.1	128 E	33	76
3 7	7 36.38	−11 40.5	1.996	2.683	17.8	20.2	124 E	33	76
3 12	7 35.92	−10 52.4	2.050	2.694	18.5	20.3	120 E	34	75
3 17	7 36.15	−10 4.9	2.108	2.704	19.2	20.4	117 E	35	74
3 27	7 38.57	− 8 34.7	2.231	2.725	20.2	20.5	109 E	36	73
4 6	7 43.31	− 7 13.9	2.362	2.744	20.9	20.7	102 E	38*	71
4 16	7 50.04	− 6 4.8	2.498	2.763	21.2	20.8	94 E	37*	70
4 26	7 58.46	− 5 8.5	2.636	2.780	21.2	21.0	88 E	34*	69*
5 6	8 8.24	− 4 25.5	2.774	2.797	20.9	21.1	81 E	30*	67*
5 16	8 19.15	− 3 55.7	2.910	2.813	20.3	21.2	74 E	25*	63*
5 26	8 30.97	− 3 38.7	3.041	2.827	19.4	21.3	68 E	19*	60*
6 5	8 43.49	− 3 34.0	3.168	2.841	18.4	21.3	62 E	13*	55*
6 15	8 56.58	− 3 40.7	3.287	2.854	17.2	21.4	56 E	8*	50*
6 25	9 10.11	− 3 58.3	3.398	2.865	15.9	21.4	51 E	2*	45*
7 5	9 23.96	− 4 25.8	3.500	2.876	14.5	21.4	45 E	—	39*
7 15	9 38.06	− 5 2.4	3.592	2.886	13.0	21.4	40 E	—	33*
7 25	9 52.33	− 5 47.4	3.672	2.894	11.5	21.4	35 E	—	27*
8 4	10 6.71	− 6 39.9	3.740	2.902	10.0	21.4	30 E	—	20*
8 14	10 21.17	− 7 39.1	3.795	2.909	8.5	21.4	25 E	—	14*
8 24	10 35.66	− 8 44.3	3.837	2.915	7.1	21.4	21 E	—	8*
9 3	10 50.15	− 9 54.6	3.865	2.919	6.0	21.3	18 E	—	2*
9 13	11 4.61	−11 9.3	3.879	2.923	5.4	21.3	16 W	—	5*
9 23	11 19.00	−12 27.6	3.877	2.926	5.4	21.3	16 W	—	9*
10 3	11 33.32	−13 48.7	3.861	2.928	6.2	21.3	18 W	—	12*
10 13	11 47.51	−15 12.0	3.829	2.928	7.4	21.4	22 W	3*	16*
10 23	12 1.54	−16 36.5	3.782	2.928	8.8	21.4	27 W	8*	20*
11 2	12 15.37	−18 1.7	3.721	2.927	10.4	21.4	32 W	12*	24*
11 12	12 28.93	−19 26.7	3.644	2.925	12.0	21.5	38 W	16*	29*
11 22	12 42.16	−20 50.6	3.554	2.922	13.5	21.5	44 W	18*	35*
12 2	12 54.96	−22 12.9	3.451	2.917	15.0	21.4	50 W	20*	41*
12 12	13 7.21	−23 32.6	3.335	2.912	16.4	21.4	57 W	21*	47*
12 22	13 18.77	−24 48.8	3.209	2.906	17.6	21.4	63 W	20*	55*
1 1	13 29.46	−26 0.8	3.074	2.899	18.7	21.3	71 W	19	62*
1 11	13 39.08	−27 7.3	2.931	2.890	19.4	21.2	78 W	18	71*
1 21	13 47.36	−28 7.2	2.783	2.881	19.9	21.1	86 W	17	79*
137206 1999 LJ_{25}									
12 27	8 35.25	+21 9.6	1.937	2.829	10.2	20.9	150 W	66	43
1 6	8 26.32	+22 4.9	1.882	2.833	6.2	20.7	162 W	67	42
1 16	8 15.64	+23 2.0	1.856	2.836	2.1	20.5	174 W	68	41
1 26	8 4.31	+23 55.0	1.860	2.838	2.9	20.5	172 E	69	40
2 5	7 53.53	+24 39.4	1.895	2.839	7.1	20.8	159 E	70	39
2 15	7 44.43	+25 12.7	1.958	2.839	10.9	21.0	147 E	70	39
2 25	7 37.83	+25 34.7	2.045	2.838	14.1	21.2	136 E	71	38
3 7	7 34.10	+25 46.5	2.151	2.836	16.7	21.4	125 E	71	38

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
455185 2000 EB_{107}									
12 27	8 36.01	−15 44.2	1.596	2.345	18.9	21.1	129 W	29	80
1 1	8 33.49	−16 10.9	1.528	2.311	18.2	21.0	133 W	29	80
1 6	8 30.24	−16 29.8	1.464	2.276	17.4	20.8	136 W	29	80
1 11	8 26.30	−16 39.5	1.404	2.242	16.7	20.7	139 W	28	81
1 16	8 21.74	−16 38.8	1.349	2.207	16.1	20.5	142 W	28	81
1 21	8 16.66	−16 26.3	1.300	2.172	15.6	20.4	144 W	29	80
1 26	8 11.20	−16 1.2	1.256	2.137	15.4	20.3	145 E	29	80
1 31	8 5.52	−15 22.8	1.217	2.101	15.6	20.2	145 E	30	79
2 5	7 59.81	−14 30.8	1.183	2.066	16.1	20.1	144 E	30	79
2 10	7 54.26	−13 25.6	1.156	2.031	17.1	20.1	143 E	32	77
2 15	7 49.10	−12 7.8	1.133	1.995	18.4	20.0	140 E	33	76
2 20	7 44.52	−10 39.0	1.116	1.960	20.1	20.0	137 E	34	75
2 25	7 40.69	− 9 0.8	1.104	1.925	21.9	20.0	134 E	36	73
3 2	7 37.75	− 7 15.2	1.096	1.890	23.8	20.0	130 E	38	71
3 7	7 35.80	− 5 24.3	1.093	1.854	25.8	20.0	126 E	40	69
3 12	7 34.92	− 3 29.9	1.093	1.820	27.8	20.0	121 E	42	67
3 17	7 35.17	− 1 34.1	1.096	1.785	29.8	20.1	117 E	43	66
3 22	7 36.56	+ 0 21.5	1.102	1.750	31.6	20.1	113 E	45	64
3 27	7 39.09	+ 2 15.3	1.110	1.716	33.4	20.1	109 E	47	62
4 1	7 42.74	+ 4 6.3	1.120	1.683	35.0	20.1	105 E	49	60
4 6	7 47.47	+ 5 53.4	1.131	1.650	36.5	20.1	101 E	51*	58
4 16	8 0.09	+ 9 13.3	1.156	1.585	39.1	20.2	94 E	52*	55
4 26	8 16.66	+12 10.4	1.182	1.524	41.3	20.2	88 E	52*	52
5 6	8 36.80	+14 41.9	1.207	1.467	43.0	20.2	82 E	50*	49*
5 16	9 0.21	+16 45.8	1.230	1.415	44.3	20.2	78 E	48*	47*
5 26	9 26.55	+18 20.3	1.252	1.369	45.2	20.2	74 E	45*	45*
6 5	9 55.42	+19 23.9	1.271	1.330	45.8	20.2	70 E	42*	44*
6 15	10 26.48	+19 55.3	1.288	1.300	46.2	20.2	68 E	40*	43*
6 25	10 59.30	+19 53.5	1.305	1.280	46.3	20.2	66 E	38*	42*
7 5	11 33.43	+19 18.5	1.322	1.269	46.1	20.2	64 E	37*	42*
7 15	12 8.48	+18 11.1	1.341	1.270	45.7	20.2	63 E	37*	42*
7 20	12 26.23	+17 25.9	1.352	1.274	45.4	20.2	63 E	37*	43*
7 25	12 44.04	+16 33.6	1.365	1.281	45.0	20.2	63 E	37*	43*
7 30	13 1.89	+15 34.7	1.378	1.290	44.6	20.3	63 E	37*	44*
8 4	13 19.73	+14 29.8	1.394	1.302	44.1	20.3	63 E	37*	44*
8 9	13 37.53	+13 19.7	1.411	1.316	43.5	20.3	63 E	37*	45*
8 14	13 55.25	+12 5.2	1.431	1.332	42.8	20.4	63 E	37*	45*
8 19	14 12.87	+10 47.3	1.454	1.351	42.1	20.4	64 E	37*	46*
8 24	14 30.35	+ 9 26.9	1.479	1.371	41.3	20.5	64 E	37*	46*
8 29	14 47.66	+ 8 5.0	1.507	1.394	40.5	20.5	64 E	37*	47*
9 3	15 4.79	+ 6 42.5	1.539	1.418	39.6	20.6	64 E	37*	47*
9 8	15 21.73	+ 5 20.5	1.573	1.443	38.7	20.6	64 E	37*	47*
9 13	15 38.45	+ 3 59.9	1.611	1.470	37.8	20.7	64 E	37*	47*
9 18	15 54.93	+ 2 41.5	1.652	1.498	36.8	20.8	63 E	37*	48*
9 23	16 11.16	+ 1 26.2	1.696	1.528	35.8	20.8	63 E	36*	47*
9 28	16 27.14	+ 0 14.5	1.744	1.558	34.8	20.9	62 E	36*	47*
10 3	16 42.84	− 0 52.9	1.795	1.589	33.7	21.0	62 E	36*	47*
10 8	16 58.28	− 1 55.7	1.849	1.621	32.6	21.1	61 E	35*	46*
10 13	17 13.43	− 2 53.5	1.905	1.654	31.6	21.1	60 E	35*	45*
10 18	17 28.30	− 3 46.1	1.964	1.687	30.5	21.2	59 E	35*	44*
10 23	17 42.87	− 4 33.3	2.026	1.720	29.4	21.3	58 E	34*	43*
10 28	17 57.15	− 5 15.0	2.090	1.754	28.3	21.4	57 E	34*	41*
11 2	18 11.13	− 5 51.5	2.156	1.789	27.2	21.4	55 E	33*	39*
271519 2004 GL_{39}									
12 27	8 36.70	+30 3.5	2.203	3.091	9.3	21.5	150 W	75	34
1 1	8 32.37	+30 30.4	2.172	3.092	7.7	21.4	155 W	76	33
1 6	8 27.51	+30 56.5	2.148	3.092	6.1	21.3	160 W	76	33
1 11	8 22.21	+31 20.9	2.131	3.091	4.8	21.2	165 W	76	33
1 16	8 16.60	+31 42.9	2.122	3.091	3.8	21.1	168 W	77	32
1 21	8 10.83	+32 1.9	2.121	3.090	3.8	21.1	168 E	77	32
1 26	8 5.05	+32 17.3	2.128	3.089	4.7	21.2	165 E	77	32
1 31	7 59.40	+32 28.9	2.142	3.088	6.1	21.3	161 E	77	32
2 5	7 54.03	+32 36.6	2.163	3.087	7.6	21.4	155 E	78	31
2 10	7 49.07	+32 40.4	2.191	3.085	9.2	21.5	150 E	78	31
2 15	7 44.64	+32 40.5	2.226	3.083	10.7	21.6	144 E	78	31
107225 2001 BF_{51}									
12 27	8 36.83	+26 49.0	1.374	2.278	12.6	19.1	150 W	72	37
1 1	8 31.50	+26 31.3	1.328	2.261	10.3	18.9	156 W	72	37
1 6	8 25.28	+26 11.1	1.289	2.244	7.8	18.8	162 W	71	38
1 11	8 18.30	+25 47.8	1.256	2.227	5.2	18.6	168 W	71	38
1 16	8 10.76	+25 20.9	1.230	2.210	2.8	18.4	174 W	70	39
1 21	8 2.88	+24 50.0	1.212	2.193	2.4	18.3	175 E	70	39
1 26	7 54.95	+24 15.0	1.201	2.176	4.7	18.4	170 E	69	40
1 31	7 47.24	+23 36.3	1.197	2.159	7.6	18.5	163 E	69	40
2 5	7 39.98	+22 54.5	1.200	2.142	10.5	18.6	157 E	68	41
2 10	7 33.40	+22 10.3	1.210	2.124	13.3	18.7	150 E	67	42
2 15	7 27.70	+21 24.5	1.226	2.107	16.0	18.8	144 E	66	43
2 20	7 23.01	+20 37.9	1.247	2.089	18.4	18.9	138 E	66	43
2 25	7 19.40	+19 51.3	1.272	2.072	20.7	19.0	132 E	65	44

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
107225 2001 BF_{51} *(continuation)*									
3 7	7 15.49	+18 19.9	1.334	2.037	24.5	19.2	121 E	63	46
3 17	7 15.84	+16 52.4	1.407	2.002	27.5	19.4	112 E	62	47
3 27	7 20.03	+15 28.3	1.485	1.967	29.6	19.5	103 E	60	49
4 6	7 27.51	+14 6.0	1.565	1.933	31.0	19.6	95 E	58*	50
4 16	7 37.76	+12 43.3	1.644	1.899	31.9	19.7	88 E	54*	51*
4 26	7 50.34	+11 17.7	1.720	1.866	32.3	19.8	82 E	48*	52*
5 6	8 4.84	+ 9 47.1	1.792	1.833	32.3	19.8	76 E	42*	53*
5 16	8 20.97	+ 8 9.8	1.859	1.802	32.0	19.9	71 E	35*	53*
5 26	8 38.49	+ 6 24.4	1.920	1.772	31.5	19.9	66 E	28*	52*
6 5	8 57.20	+ 4 30.0	1.975	1.743	30.9	19.9	62 E	22*	51*
6 15	9 16.97	+ 2 26.1	2.024	1.717	30.1	19.9	58 E	16*	50*
6 25	9 37.71	+ 0 12.6	2.068	1.692	29.2	19.9	54 E	10*	48*
7 5	9 59.35	− 2 10.1	2.108	1.669	28.3	19.9	51 E	6*	45*
7 15	10 21.88	− 4 41.3	2.143	1.649	27.3	19.9	48 E	2*	42*
7 25	10 45.29	− 7 19.6	2.176	1.632	26.3	19.8	45 E	—	39*
8 4	11 9.62	−10 3.2	2.206	1.617	25.3	19.8	43 E	—	36*
8 14	11 34.90	−12 50.1	2.236	1.606	24.2	19.8	40 E	—	33*
8 24	12 1.19	−15 37.4	2.265	1.598	23.0	19.8	38 E	—	30*
9 3	12 28.54	−18 21.9	2.294	1.593	21.9	19.8	36 E	—	27*
9 13	12 56.99	−21 0.2	2.326	1.591	20.6	19.8	34 E	—	25*
9 23	13 26.54	−23 28.5	2.359	1.593	19.3	19.8	32 E	—	23*
10 3	13 57.16	−25 43.0	2.394	1.598	17.9	19.7	29 E	—	21*
10 13	14 28.76	−27 39.9	2.431	1.607	16.4	19.7	27 E	—	19*
10 23	15 1.16	−29 16.0	2.471	1.619	14.8	19.7	24 E	—	17*
11 2	15 34.12	−30 28.6	2.512	1.633	13.1	19.7	22 E	—	15*
11 12	16 7.34	−31 15.9	2.554	1.651	11.3	19.7	19 E	—	12*
11 22	16 40.44	−31 37.1	2.597	1.671	9.5	19.7	16 E	—	9*
12 2	17 13.08	−31 32.5	2.639	1.694	7.7	19.7	13 E	—	7*
12 12	17 44.94	−31 3.1	2.679	1.719	5.9	19.7	10 E	—	4*
12 22	18 15.71	−30 10.8	2.716	1.746	4.3	19.7	8 E	—	—
1 1	18 45.21	−28 58.0	2.750	1.775	3.3	19.7	6 E	—	—
1 11	19 13.32	−27 27.3	2.779	1.805	3.6	19.7	7 W	—	—
1 21	19 39.95	−25 41.4	2.801	1.836	4.9	19.9	9 W	—	3*
462959 2011 DU									
12 27	8 37.03	+11 29.6	0.618	1.535	20.9	21.9	146 W	56	53
1 6	8 18.21	+12 22.7	0.580	1.542	12.4	21.5	160 W	57	52
1 16	7 54.69	+13 40.2	0.563	1.544	4.7	21.1	173 W	59	50
1 26	7 30.41	+15 7.6	0.571	1.543	9.8	21.4	165 E	60	49
2 5	7 9.70	+16 30.6	0.602	1.537	18.6	21.8	150 E	62	47
2 15	6 55.35	+17 42.0	0.650	1.528	26.3	22.2	137 E	63	46
339700 2005 RY_5									
12 27	8 38.07	+11 29.0	2.067	2.934	10.8	22.3	146 W	56	53
1 6	8 30.07	+11 52.7	1.993	2.926	7.3	22.1	158 W	57	52
1 16	8 20.38	+12 27.0	1.947	2.918	3.7	21.8	169 W	57	52
1 26	8 9.91	+13 8.8	1.931	2.909	2.7	21.7	172 E	58	51
2 5	7 59.71	+13 54.3	1.945	2.899	6.1	21.9	162 E	59	50
2 15	7 50.81	+14 39.5	1.989	2.887	9.8	22.1	150 E	60	49
373463 2000 PK_{17}									
12 27	8 38.11	+21 40.9	1.471	2.368	12.4	21.4	149 W	67	42
1 1	8 33.20	+21 52.1	1.453	2.381	10.0	21.3	155 W	67	42
1 6	8 27.68	+22 3.9	1.441	2.394	7.5	21.2	161 W	67	42
1 11	8 21.68	+22 15.6	1.436	2.406	4.9	21.1	168 W	67	42
1 16	8 15.39	+22 26.5	1.438	2.419	2.4	21.0	174 W	67	42
1 21	8 9.02	+22 36.0	1.447	2.431	1.1	20.9	177 E	68	41
1 26	8 2.77	+22 43.6	1.464	2.443	3.3	21.1	172 E	68	41
1 31	7 56.83	+22 49.0	1.488	2.454	5.7	21.3	166 E	68	41
2 5	7 51.37	+22 52.2	1.519	2.466	8.1	21.4	159 E	68	41
2 10	7 46.53	+22 53.2	1.556	2.477	10.4	21.6	153 E	68	41
2 15	7 42.43	+22 52.0	1.600	2.488	12.4	21.7	147 E	68	41
422666 1999 TK_{233}									
12 27	8 38.74	+12 16.4	1.917	2.787	11.4	21.6	146 W	57	52
1 6	8 29.71	+12 25.3	1.869	2.805	7.5	21.4	158 W	57	52
1 16	8 19.12	+12 43.5	1.849	2.822	3.7	21.2	169 W	58	51
1 26	8 8.03	+13 7.9	1.860	2.838	2.9	21.2	172 E	58	51
2 5	7 57.58	+13 35.3	1.901	2.852	6.4	21.5	161 E	59	50
2 15	7 48.77	+14 2.6	1.970	2.866	10.1	21.7	150 E	59	50
354713 2005 SG_{19}									
12 27	8 39.58	+52 28.0	2.753	3.572	10.0	22.2	141 W	83	12
1 1	8 33.62	+53 4.1	2.714	3.554	9.4	22.1	144 W	82	11
1 6	8 26.88	+53 35.8	2.681	3.535	9.1	22.1	145 W	81	10
1 11	8 19.48	+54 2.2	2.654	3.516	8.9	22.1	146 W	81	10
1 16	8 11.59	+54 22.1	2.635	3.497	9.0	22.0	146 W	81	10
1 21	8 3.40	+54 34.8	2.623	3.477	9.3	22.0	145 E	80	9
1 26	7 55.15	+54 40.0	2.617	3.458	9.8	22.0	143 E	80	9
1 31	7 47.04	+54 37.5	2.618	3.437	10.5	22.0	141 E	80	9
2 5	7 39.31	+54 27.5	2.626	3.417	11.3	22.1	137 E	81	10

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
354713 2005 SG_{19} *(continuation)*									
2 10	7 32.15	+54 10.5	2.639	3.396	12.1	22.1	134 E	81	10
2 15	7 25.72	+53 47.2	2.658	3.375	13.0	22.1	130 E	81	10
189012 1998 FO_{98}									
12 27	8 39.76	+16 54.5	1.341	2.233	13.7	20.3	147 W	62	47
1 6	8 31.75	+16 52.2	1.249	2.197	9.0	19.9	159 W	62	47
1 16	8 20.77	+16 57.3	1.182	2.160	3.7	19.5	172 W	62	47
1 26	8 8.05	+17 6.2	1.142	2.123	2.9	19.3	174 E	62	47
1 31	8 1.57	+17 10.9	1.132	2.104	5.8	19.4	167 E	62	47
2 5	7 55.31	+17 15.1	1.128	2.085	8.8	19.6	161 E	62	47
2 10	7 49.51	+17 18.5	1.131	2.067	11.8	19.7	155 E	62	47
2 15	7 44.38	+17 20.9	1.140	2.048	14.6	19.8	148 E	62	47
2 20	7 40.08	+17 22.2	1.154	2.029	17.3	19.9	142 E	62	47
2 25	7 36.74	+17 22.3	1.172	2.010	19.8	20.0	137 E	62	47
3 7	7 33.17	+17 18.4	1.220	1.972	24.1	20.1	126 E	62	47
3 17	7 33.84	+17 8.8	1.278	1.934	27.5	20.3	116 E	62	47
3 27	7 38.57	+16 52.8	1.343	1.896	30.2	20.4	107 E	62	47
4 6	7 46.87	+16 29.1	1.411	1.859	32.1	20.6	99 E	61*	48
4 16	7 58.28	+15 56.4	1.479	1.823	33.4	20.7	92 E	59*	48
4 26	8 12.32	+15 13.3	1.546	1.788	34.2	20.7	86 E	54*	49*
5 6	8 28.55	+14 18.6	1.609	1.753	34.6	20.8	81 E	49*	49*
5 16	8 46.61	+13 11.4	1.669	1.721	34.7	20.8	75 E	43*	50*
5 26	9 6.21	+11 51.0	1.725	1.689	34.5	20.9	71 E	37*	50*
6 5	9 27.06	+10 17.3	1.777	1.660	34.1	20.9	67 E	31*	50*
6 15	9 49.01	+ 8 30.3	1.825	1.633	33.6	20.9	63 E	25*	50*
6 25	10 11.88	+ 6 30.7	1.870	1.609	32.9	20.9	59 E	21*	49*
7 5	10 35.55	+ 4 19.6	1.912	1.587	32.1	20.9	56 E	17*	48*
7 15	10 59.96	+ 1 58.4	1.952	1.568	31.2	20.9	53 E	13*	46*
7 25	11 25.06	− 0 31.1	1.991	1.553	30.2	20.9	50 E	11*	44*
8 4	11 50.83	− 3 6.3	2.030	1.542	29.1	20.9	48 E	9*	42*
8 14	12 17.28	− 5 44.9	2.069	1.534	28.0	20.8	45 E	7*	39*
8 24	12 44.40	− 8 23.7	2.108	1.530	26.7	20.8	43 E	6*	37*
9 3	13 12.22	−10 59.4	2.150	1.530	25.4	20.8	40 E	6*	34*
9 13	13 40.73	−13 28.9	2.193	1.534	23.9	20.9	38 E	5*	32*
9 23	14 9.91	−15 48.6	2.239	1.542	22.4	20.9	36 E	5*	30*
10 3	14 39.73	−17 55.3	2.287	1.553	20.8	20.9	33 E	5*	27*
10 13	15 10.09	−19 46.1	2.337	1.568	19.1	20.9	31 E	5*	25*
10 23	15 40.87	−21 18.3	2.390	1.587	17.4	20.9	28 E	4*	22*
11 2	16 11.90	−22 29.9	2.444	1.609	15.5	20.9	26 E	4*	20*
11 12	16 42.99	−23 19.8	2.499	1.633	13.6	20.9	23 E	4*	16*
11 22	17 13.88	−23 47.3	2.555	1.660	11.7	21.0	20 E	4*	13*
12 2	17 44.37	−23 52.6	2.610	1.689	9.7	21.0	17 E	3*	10*
12 12	18 14.23	−23 36.6	2.663	1.721	7.6	21.0	13 E	2*	6*
12 22	18 43.27	−23 0.7	2.714	1.754	5.5	20.9	10 E	1*	2*
1 1	19 11.35	−22 6.8	2.762	1.788	3.4	20.9	6 E	—	—
1 11	19 38.37	−20 57.0	2.805	1.823	1.4	20.8	3 E	—	—
1 21	20 4.26	−19 33.6	2.843	1.860	0.9	20.9	2 W	—	—
253387 2003 KA_{14}									
12 27	8 39.94	+25 47.8	1.674	2.568	11.4	20.7	149 W	71	38
1 1	8 35.36	+26 18.7	1.652	2.577	9.3	20.6	155 W	71	38
1 6	8 30.16	+26 49.4	1.637	2.586	7.2	20.5	161 W	72	37
1 11	8 24.45	+27 19.2	1.628	2.594	5.1	20.4	166 W	72	37
1 16	8 18.40	+27 46.9	1.627	2.603	3.5	20.3	171 W	73	36
1 21	8 12.19	+28 11.7	1.633	2.611	3.1	20.3	172 E	73	36
1 26	8 6.02	+28 33.0	1.647	2.619	4.3	20.4	168 E	74	35
1 31	8 0.07	+28 50.5	1.668	2.626	6.2	20.5	163 E	74	35
2 5	7 54.51	+29 3.8	1.696	2.634	8.2	20.6	157 E	74	35
2 10	7 49.49	+29 13.0	1.731	2.641	10.2	20.8	152 E	74	35
2 15	7 45.12	+29 18.4	1.772	2.648	12.1	20.9	146 E	74	35
2 20	7 41.51	+29 20.2	1.818	2.655	13.8	21.0	140 E	74	35
2 25	7 38.70	+29 18.8	1.870	2.661	15.3	21.1	135 E	74	35
3 2	7 36.70	+29 14.6	1.926	2.667	16.7	21.2	129 E	74	35
3 7	7 35.53	+29 8.0	1.986	2.673	17.9	21.4	124 E	74	35
3 12	7 35.15	+28 59.3	2.049	2.679	18.9	21.5	119 E	74	35
267878 2003 YY_{17}									
12 27	8 40.03	+15 32.9	1.003	1.905	16.3	18.1	147 W	61	48
1 1	8 33.27	+14 24.3	0.992	1.921	13.4	18.0	153 W	59	50
1 6	8 25.82	+13 17.8	0.987	1.938	10.3	17.9	159 W	58	51
1 11	8 17.91	+12 14.2	0.989	1.956	7.5	17.8	165 W	57	52
1 16	8 9.83	+11 14.4	0.998	1.973	5.3	17.7	169 W	56	53
1 21	8 1.89	+10 19.1	1.014	1.990	4.9	17.7	170 E	55	54
1 26	7 54.36	+ 9 28.9	1.036	2.007	6.5	17.9	167 E	54	55
2 5	7 41.40	+ 8 5.0	1.102	2.042	11.3	18.3	156 E	53	56
2 15	7 32.16	+ 7 2.6	1.192	2.077	16.0	18.6	145 E	52	57
2 25	7 27.08	+ 6 18.1	1.301	2.112	19.7	19.0	134 E	51	58
3 2	7 26.06	+ 6 0.8	1.361	2.130	21.2	19.1	129 E	51	58
3 7	7 25.96	+ 5 46.1	1.425	2.147	22.4	19.3	124 E	51	58

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
267878 2003 YY_{17} *(continuation)*									
3 12	7 26.73	+ 5 33.3	1.491	2.164	23.5	19.5	120 E	51	58
3 17	7 28.31	+ 5 21.8	1.560	2.182	24.3	19.6	115 E	50	59
3 27	7 33.57	+ 5 0.5	1.704	2.216	25.5	19.9	107 E	50	59
4 6	7 41.17	+ 4 38.9	1.852	2.250	26.0	20.1	100 E	49*	59
4 16	7 50.65	+ 4 14.4	2.002	2.283	26.0	20.3	93 E	47*	60
4 26	8 1.62	+ 3 45.1	2.153	2.316	25.7	20.5	86 E	43*	60*
5 6	8 13.72	+ 3 10.1	2.303	2.348	25.0	20.6	80 E	37*	60*
5 16	8 26.72	+ 2 28.5	2.450	2.380	24.1	20.8	74 E	31*	59*
5 26	8 40.40	+ 1 40.0	2.593	2.411	23.0	20.9	68 E	25*	57*
6 5	8 54.57	+ 0 44.4	2.731	2.441	21.7	21.0	63 E	18*	54*
6 15	9 9.13	− 0 18.2	2.863	2.470	20.3	21.1	57 E	12*	50*
6 25	9 23.96	− 1 27.5	2.988	2.499	18.8	21.1	52 E	7*	46*
7 5	9 38.98	− 2 43.2	3.105	2.527	17.2	21.2	47 E	2*	41*
7 15	9 54.13	− 4 5.0	3.213	2.554	15.5	21.2	42 E	—	36*
7 25	10 9.36	− 5 32.4	3.311	2.580	13.8	21.3	37 E	—	30*
8 4	10 24.64	− 7 4.8	3.399	2.605	12.2	21.3	33 E	—	25*
8 14	10 39.94	− 8 41.8	3.477	2.629	10.5	21.3	28 E	—	19*
8 24	10 55.25	−10 22.9	3.542	2.652	9.0	21.3	24 E	—	13*
9 3	11 10.54	−12 7.4	3.596	2.675	7.6	21.3	21 E	—	8*
9 13	11 25.81	−13 54.9	3.637	2.696	6.6	21.3	18 E	—	2*
9 23	11 41.05	−15 44.8	3.664	2.717	6.0	21.3	16 W	—	5*
10 3	11 56.24	−17 36.5	3.679	2.736	6.1	21.3	17 W	—	9*
10 13	12 11.37	−19 29.6	3.680	2.755	6.7	21.3	19 W	—	12*
10 23	12 26.41	−21 23.4	3.667	2.773	7.8	21.4	22 W	—	16*
11 2	12 41.33	−23 17.6	3.640	2.789	9.2	21.4	27 W	4*	21*
11 12	12 56.10	−25 11.6	3.600	2.805	10.7	21.5	32 W	7*	25*
184449 2005 NL_{55}									
12 27	8 40.06	+25 58.7	2.009	2.896	10.1	21.5	149 W	71	38
1 1	8 35.73	+26 21.5	1.981	2.901	8.3	21.4	155 W	71	38
1 6	8 30.86	+26 44.1	1.959	2.905	6.4	21.3	161 W	72	37
1 11	8 25.54	+27 5.9	1.945	2.910	4.6	21.2	166 W	72	37
1 16	8 19.91	+27 26.1	1.939	2.914	3.1	21.1	171 W	72	37
1 21	8 14.12	+27 44.0	1.940	2.918	2.6	21.0	172 W	73	36
1 26	8 8.32	+27 59.2	1.949	2.921	3.6	21.1	169 E	73	36
1 31	8 2.68	+28 11.3	1.965	2.925	5.3	21.2	164 E	73	36
2 5	7 57.33	+28 20.2	1.989	2.928	7.1	21.3	158 E	73	36
2 10	7 52.41	+28 25.7	2.020	2.931	8.9	21.5	153 E	73	36
2 15	7 48.03	+28 28.1	2.057	2.934	10.6	21.6	147 E	73	36
2 20	7 44.29	+28 27.5	2.100	2.936	12.2	21.7	141 E	73	36
308771 2006 OK_{13}									
12 27	8 40.56	+20 28.2	1.866	2.751	10.9	22.0	148 W	65	44
1 6	8 31.45	+21 4.7	1.815	2.762	6.8	21.8	161 W	66	43
1 16	8 20.55	+21 43.2	1.792	2.771	2.4	21.5	173 W	67	42
1 26	8 8.98	+22 18.7	1.800	2.780	2.4	21.6	173 E	67	42
2 5	7 58.01	+22 47.1	1.837	2.787	6.7	21.9	161 E	68	41
2 15	7 48.76	+23 6.5	1.903	2.794	10.6	22.1	149 E	68	41
497094 2004 AH									
12 27	8 42.05	+13 6.9	0.378	1.313	25.0	18.5	146 W	58	51
1 1	8 39.53	+16 50.1	0.385	1.337	19.8	18.5	153 W	62	47
1 6	8 35.77	+20 28.8	0.396	1.361	14.7	18.4	159 W	65	44
1 11	8 31.07	+23 55.1	0.412	1.386	10.1	18.3	166 W	69	40
1 16	8 25.82	+27 2.3	0.433	1.412	6.9	18.3	170 W	72	37
1 21	8 20.46	+29 45.5	0.459	1.439	6.8	18.5	170 W	75	34
1 26	8 15.42	+32 2.6	0.491	1.466	9.3	18.8	166 E	77	32
1 31	8 11.03	+33 53.6	0.527	1.493	12.4	19.1	161 E	79	30
2 5	8 7.56	+35 20.2	0.568	1.521	15.5	19.4	156 E	80	29
2 10	8 5.17	+36 24.9	0.612	1.549	18.4	19.7	150 E	81	28
2 15	8 3.97	+37 10.6	0.661	1.577	20.8	20.0	145 E	82	27
2 20	8 3.98	+37 40.3	0.713	1.606	23.0	20.3	141 E	83	26
2 25	8 5.14	+37 56.5	0.769	1.634	24.8	20.5	136 E	83	26
3 2	8 7.37	+38 1.7	0.827	1.662	26.3	20.8	132 E	83	26
3 7	8 10.55	+37 57.7	0.889	1.691	27.6	21.0	128 E	83	26
3 12	8 14.58	+37 46.0	0.952	1.719	28.6	21.2	124 E	83	26
3 17	8 19.35	+37 27.9	1.018	1.747	29.4	21.4	120 E	82	27
83992 2002 MG_3									
12 27	8 42.11	+25 41.8	1.914	2.800	10.6	20.0	148 W	71	38
1 1	8 37.40	+25 56.8	1.891	2.810	8.7	19.9	154 W	71	38
1 6	8 32.15	+26 11.5	1.874	2.820	6.7	19.8	160 W	71	38
1 11	8 26.47	+26 25.1	1.865	2.830	4.7	19.7	166 W	71	38
1 16	8 20.49	+26 37.0	1.863	2.839	3.0	19.6	171 W	72	37
1 21	8 14.39	+26 46.6	1.869	2.848	2.4	19.6	173 W	72	37
1 26	8 8.34	+26 53.6	1.882	2.857	3.4	19.7	170 E	72	37
1 31	8 2.49	+26 57.7	1.904	2.866	5.2	19.8	165 E	72	37
2 5	7 56.99	+26 58.8	1.932	2.874	7.1	19.9	159 E	72	37
2 10	7 51.96	+26 57.1	1.968	2.882	8.9	20.1	153 E	72	37
2 15	7 47.53	+26 52.7	2.010	2.890	10.7	20.2	147 E	72	37

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
83992 2002 MG_3 *(continuation)*									
2 25	7 40.71	+28 36.9	2.111	2.905	13.7	20.4	136 E	72	37
3 7	7 36.84	+26 13.9	2.232	2.919	16.1	20.6	125 E	71	38
3 17	7 35.87	+25 45.7	2.368	2.932	17.9	20.8	115 E	71	38
3 27	7 37.58	+25 13.7	2.513	2.944	19.0	21.0	106 E	70	39
4 6	7 41.65	+24 38.6	2.663	2.955	19.6	21.2	97 E	69*	39
4 16	7 47.70	+24 0.5	2.815	2.964	19.8	21.3	89 E	65*	40
4 26	7 55.42	+23 19.3	2.966	2.973	19.5	21.4	81 E	59*	40*
7839 1994 ND									
12 27	8 42.50	+28 3.2	1.891	2.777	10.7	22.1	148 W	73	36
1 1	8 37.08	+29 3.8	1.878	2.797	8.8	22.0	154 W	74	35
1 6	8 31.06	+30 3.4	1.872	2.816	6.9	21.9	160 W	75	34
1 11	8 24.55	+31 0.7	1.874	2.835	5.3	21.9	165 W	76	33
1 16	8 17.72	+31 54.4	1.885	2.853	4.3	21.8	168 W	77	32
1 21	8 10.76	+32 43.3	1.903	2.871	4.3	21.9	167 E	78	31
1 26	8 3.86	+33 26.9	1.930	2.889	5.4	22.0	164 E	78	31
1 31	7 57.19	+34 4.5	1.964	2.906	7.0	22.1	159 E	79	30
2 5	7 50.92	+34 36.1	2.006	2.923	8.6	22.2	154 E	80	29
2 10	7 45.20	+35 1.7	2.055	2.939	10.2	22.4	148 E	80	29
2 15	7 40.14	+35 21.8	2.111	2.955	11.8	22.5	142 E	80	29
53435 1999 VM_{40}									
12 27	8 42.70	+54 52.5	0.504	1.404	27.2	15.1	139 W	80	9
1 1	8 36.73	+56 2.0	0.525	1.431	25.5	15.1	141 W	79	8
1 6	8 29.28	+56 49.8	0.550	1.459	24.2	15.2	143 W	78	7
1 11	8 20.99	+57 15.3	0.577	1.487	23.3	15.4	143 W	78	7
1 16	8 12.59	+57 19.1	0.608	1.516	22.7	15.5	143 W	78	7
1 18	8 9.36	+57 14.9	0.621	1.527	22.6	15.6	143 W	78	7
1 20	8 6.27	+57 7.7	0.635	1.539	22.6	15.6	143 E	78	7
1 22	8 3.34	+56 57.7	0.649	1.551	22.6	15.7	143 E	78	7
1 24	8 0.60	+56 45.0	0.664	1.563	22.7	15.8	142 E	78	7
1 26	7 58.07	+56 29.9	0.679	1.575	22.8	15.8	142 E	79	8
1 31	7 52.79	+55 42.9	0.720	1.605	23.2	16.0	140 E	79	8
2 5	7 49.05	+54 45.0	0.765	1.636	23.8	16.2	138 E	80	9
2 10	7 46.87	+53 39.1	0.813	1.667	24.5	16.4	135 E	81	10
2 15	7 46.18	+52 27.4	0.864	1.698	25.3	16.6	133 E	83	12
2 20	7 46.88	+51 12.1	0.918	1.729	26.0	16.8	130 E	84	13
2 25	7 48.78	+49 54.7	0.976	1.760	26.7	17.0	127 E	85	14
3 2	7 51.71	+48 36.3	1.036	1.791	27.3	17.2	124 E	86	15
3 7	7 55.51	+47 17.7	1.100	1.822	27.8	17.3	121 E	88	17
3 12	8 0.06	+45 59.5	1.166	1.853	28.2	17.5	118 E	89	18
3 17	8 5.23	+44 42.0	1.234	1.884	28.6	17.7	115 E	90	19
3 22	8 10.92	+43 25.4	1.305	1.915	28.9	17.9	112 E	88	21
3 27	8 17.04	+42 9.8	1.378	1.946	29.0	18.0	109 E	87	22
4 1	8 23.49	+40 55.4	1.453	1.976	29.1	18.2	106 E	86	23
4 6	8 30.22	+39 42.1	1.529	2.007	29.1	18.3	103 E	85	24
4 11	8 37.16	+38 29.8	1.607	2.037	29.0	18.4	100 E	83	26
4 16	8 44.29	+37 18.5	1.687	2.067	28.8	18.6	97 E	82*	27
4 26	8 58.94	+34 58.7	1.849	2.126	28.2	18.8	91 E	77*	29
5 6	9 13.88	+32 42.0	2.014	2.184	27.4	19.0	86 E	70*	31
5 16	9 28.98	+30 28.1	2.181	2.241	26.4	19.2	80 E	62*	34
5 26	9 44.10	+28 16.5	2.348	2.296	25.2	19.4	75 E	55*	36*
6 5	9 59.17	+26 6.9	2.514	2.351	23.8	19.6	69 E	47*	37*
6 15	10 14.14	+23 59.2	2.676	2.404	22.2	19.7	64 E	40*	38*
6 25	10 28.99	+21 53.4	2.834	2.455	20.6	19.8	58 E	34*	38*
7 5	10 43.68	+19 49.3	2.987	2.506	18.8	19.9	53 E	29*	36*
7 15	10 58.23	+17 47.1	3.132	2.555	17.0	20.0	47 E	24*	34*
7 25	11 12.62	+15 46.9	3.268	2.602	15.1	20.1	42 E	20*	31*
8 4	11 26.85	+13 48.8	3.395	2.648	13.2	20.1	36 E	17*	27*
8 14	11 40.94	+11 53.1	3.511	2.693	11.2	20.2	31 E	14*	22*
8 24	11 54.88	+ 9 59.9	3.614	2.736	9.1	20.2	25 E	11*	17*
9 3	12 8.68	+ 8 9.6	3.704	2.778	7.2	20.2	20 E	8*	12*
9 13	12 22.33	+ 6 22.4	3.780	2.819	5.2	20.2	15 E	6*	6*
9 23	12 35.82	+ 4 38.8	3.840	2.858	3.5	20.1	10 E	4*	—
10 3	12 49.15	+ 2 58.9	3.885	2.896	2.6	20.1	8 E	1*	—
10 13	13 2.30	+ 1 23.2	3.912	2.932	3.2	20.2	9 W	2*	—
10 23	13 15.22	− 0 7.8	3.923	2.968	4.7	20.3	14 W	8*	—
11 2	13 27.88	− 1 33.9	3.916	3.001	6.4	20.4	20 W	14*	1*
11 12	13 40.24	− 2 54.6	3.891	3.034	8.3	20.5	26 W	19*	7*
11 22	13 52.21	− 4 9.5	3.849	3.065	10.0	20.6	33 W	24*	12*
12 2	14 3.73	− 5 18.3	3.790	3.095	11.7	20.7	40 W	29*	19*
12 12	14 14.67	− 6 20.5	3.716	3.123	13.3	20.7	47 W	32*	26*
12 22	14 24.93	− 7 15.8	3.626	3.150	14.6	20.7	54 W	35*	34*
1 1	14 34.35	− 8 4.0	3.523	3.176	15.8	20.7	62 W	36*	42*
1 11	14 42.76	− 8 44.6	3.408	3.200	16.7	20.7	70 W	36*	51*
1 21	14 49.96	− 9 17.5	3.285	3.224	17.4	20.6	78 W	36	59*