2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
434096 2002 GO_5									
5 26	17 31.02	−39 33.7	2.269	3.214	7.7	23.0	155 W	5	76
5 31	17 23.23	−39 41.4	2.259	3.226	6.5	22.9	159 W	5	76
6 5	17 15.19	−39 43.9	2.257	3.237	5.5	22.9	162 W	5	76
6 10	17 7.06	−39 41.3	2.262	3.248	5.2	22.9	163 E	5	76
6 15	16 59.04	−39 33.5	2.276	3.258	5.5	22.9	162 E	5	76
6 20	16 51.31	−39 21.0	2.297	3.267	6.3	23.0	159 E	6	77
6 25	16 44.02	−39 4.5	2.326	3.276	7.5	23.1	155 E	6	77
461912 2006 RG_2									
5 26	17 31.05	−31 56.4	2.728	3.692	5.6	23.7	159 W	13	84
5 31	17 25.68	−31 59.5	2.726	3.712	4.3	23.6	164 W	13	84
6 5	17 20.16	−32 0.3	2.732	3.732	3.1	23.6	169 W	13	84
6 10	17 14.59	−31 58.7	2.745	3.752	2.4	23.5	171 W	13	84
6 15	17 9.10	−31 54.9	2.767	3.771	2.7	23.6	170 E	13	84
6 20	17 3.78	−31 49.1	2.796	3.790	3.7	23.7	166 E	13	84
6 25	16 58.74	−31 41.4	2.832	3.809	4.9	23.8	161 E	13	84
6 30	16 54.04	−31 32.3	2.876	3.827	6.2	23.9	156 E	13	84
441823 2009 QO_5									
5 26	17 33.93	+ 1 32.3	0.505	1.471	20.4	22.5	150 W	47	62
5 31	17 30.45	+ 2 17.6	0.479	1.454	19.2	22.3	152 W	47	62
6 5	17 26.02	+ 2 53.2	0.457	1.438	18.5	22.1	153 W	48	61
6 10	17 20.82	+ 3 16.3	0.438	1.422	18.5	22.0	154 W	48	61
6 15	17 15.11	+ 3 24.7	0.423	1.405	19.2	21.9	153 E	48	61
6 20	17 9.20	+ 3 16.6	0.410	1.390	20.7	21.9	151 E	48	61
6 25	17 3.42	+ 2 51.2	0.401	1.374	22.7	21.9	149 E	48	61
6 30	16 58.11	+ 2 8.5	0.394	1.359	25.2	21.9	145 E	47	62
7 5	16 53.55	+ 1 9.0	0.389	1.344	27.9	21.9	142 E	46	63
7 10	16 50.03	− 0 6.2	0.387	1.330	30.8	22.0	138 E	45	64
523630 2009 OG									
5 26	17 36.35	−71 54.4	4.147	4.834	9.5	23.3	128 W	—	44
5 28	17 31.60	−71 58.5	4.135	4.830	9.5	23.3	128 W	—	44
5 30	17 26.74	−72 1.5	4.123	4.826	9.4	23.3	129 W	—	44
6 1	17 21.77	−72 3.3	4.113	4.822	9.3	23.3	130 W	—	44
6 3	17 16.74	−72 3.9	4.103	4.818	9.3	23.3	130 W	—	44
6 5	17 11.65	−72 3.4	4.094	4.813	9.2	23.3	130 W	—	44
6 7	17 6.53	−72 1.6	4.086	4.809	9.2	23.3	131 W	—	44
6 9	17 1.40	−71 58.5	4.078	4.805	9.2	23.3	131 E	—	44
6 11	16 56.30	−71 54.3	4.072	4.801	9.2	23.3	131 E	—	44
6 13	16 51.25	−71 48.7	4.067	4.796	9.2	23.3	131 E	—	44
6 15	16 46.27	−71 42.0	4.062	4.792	9.2	23.3	131 E	—	44
6 17	16 41.38	−71 34.1	4.059	4.787	9.2	23.3	131 E	—	44
6 19	16 36.60	−71 25.0	4.056	4.783	9.2	23.3	131 E	—	45
6 21	16 31.96	−71 14.8	4.054	4.778	9.3	23.3	131 E	—	45
6 23	16 27.46	−71 3.5	4.053	4.774	9.3	23.3	130 E	—	45
6 25	16 23.13	−70 51.2	4.053	4.769	9.4	23.3	130 E	—	45
6 30	16 13.09	−70 16.3	4.057	4.757	9.6	23.3	129 E	—	46
7 5	16 4.27	−69 36.3	4.066	4.745	9.9	23.3	127 E	—	46
7 10	15 56.76	−68 52.0	4.081	4.733	10.2	23.3	125 E	—	47
7 15	15 50.57	−68 4.7	4.100	4.720	10.5	23.3	122 E	—	48
410088 2007 EJ									
5 26	17 36.40	−26 44.9	2.902	3.868	5.2	23.8	160 W	18	89
6 5	17 26.69	−26 50.9	2.840	3.845	2.4	23.6	171 W	18	89
6 15	17 16.27	−26 51.8	2.809	3.822	1.4	23.4	175 E	18	89
6 25	17 5.92	−26 47.9	2.809	3.797	4.2	23.6	164 E	18	89
7 5	16 56.39	−26 40.0	2.839	3.770	7.1	23.8	153 E	18	89
427885 2005 SR_{218}									
5 26	17 39.39	−25 46.6	2.510	3.475	5.9	22.5	159 W	19	90
6 5	17 30.18	−25 58.8	2.450	3.455	2.8	22.2	171 W	19	90
6 15	17 20.14	−26 6.8	2.421	3.434	1.2	22.1	176 E	19	90
6 25	17 10.12	−26 10.3	2.421	3.413	4.4	22.3	165 E	19	90
7 5	17 0.95	−26 10.2	2.449	3.390	7.7	22.4	154 E	19	90
429584 2011 EU_{29}									
5 26	17 40.41	−20 0.4	3.084	4.046	5.1	25.7	159 W	25	84
6 5	17 31.33	−19 51.6	3.020	4.024	2.4	25.5	170 W	25	84
6 15	17 21.60	−19 42.3	2.986	4.000	1.1	25.4	176 E	25	84
6 25	17 11.89	−19 32.9	2.985	3.975	3.8	25.5	165 E	25	84
7 5	17 2.84	−19 24.4	3.013	3.948	6.6	25.7	153 E	26	83
446804 1999 VN_6									
5 26	17 40.71	−34 34.5	1.295	2.259	10.5	22.5	156 W	10	81
5 31	17 32.34	−35 17.9	1.287	2.270	8.3	22.4	161 W	10	81
6 5	17 23.39	−35 55.6	1.284	2.279	6.6	22.3	165 W	9	80
6 10	17 14.14	−36 26.7	1.289	2.289	5.9	22.3	167 W	9	80
6 15	17 4.90	−36 50.7	1.301	2.298	6.5	22.4	165 E	8	79
6 20	16 55.95	−37 7.6	1.320	2.306	8.0	22.5	161 E	8	79

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
446804 1999 VN_6 *(continuation)*									
6 25	16 47.58	−37 18.1	1.345	2.314	10.0	22.6	157 E	8	79
6 30	16 39.99	−37 22.8	1.377	2.322	12.1	22.8	151 E	8	79
465824 2010 FR									
5 26	17 41.18	+13 54.0	0.620	1.534	25.9	22.7	139 W	59	50
5 31	17 30.73	+14 44.9	0.614	1.538	24.7	22.6	141 W	60	49
6 5	17 19.59	+15 17.7	0.611	1.541	24.1	22.6	142 W	60	49
6 10	17 8.16	+15 30.8	0.613	1.543	24.2	22.6	141 E	61	48
6 15	16 56.92	+15 23.7	0.620	1.544	24.8	22.7	140 E	60	49
6 20	16 46.28	+14 57.4	0.630	1.544	26.0	22.7	138 E	60	49
6 25	16 36.61	+14 13.7	0.644	1.542	27.6	22.8	135 E	59	50
409836 2006 QY_{110}									
5 26	17 42.30	−17 47.9	2.047	3.011	7.2	22.5	158 W	27	82
6 5	17 30.56	−17 24.9	2.015	3.018	3.5	22.3	170 W	28	81
6 15	17 18.15	−17 3.2	2.013	3.024	2.4	22.2	173 E	28	81
6 25	17 6.15	−16 44.1	2.042	3.027	5.8	22.4	163 E	28	81
7 5	16 55.53	−16 29.3	2.099	3.029	9.4	22.6	151 E	29	80
505169 2012 SQ_{56}									
5 26	17 43.66	−51 8.7	3.503	4.371	7.7	24.2	145 W	—	65
5 31	17 38.08	−51 29.8	3.469	4.360	7.1	24.1	148 W	—	65
6 5	17 32.11	−51 47.0	3.442	4.348	6.8	24.1	150 W	—	64
6 10	17 25.87	−51 59.8	3.421	4.336	6.5	24.1	151 W	—	64
6 15	17 19.47	−52 8.0	3.407	4.324	6.5	24.0	151 E	—	64
6 20	17 13.05	−52 11.5	3.401	4.312	6.7	24.0	150 E	—	64
6 25	17 6.74	−52 10.4	3.401	4.300	7.1	24.0	148 E	—	64
6 30	17 0.66	−52 4.8	3.407	4.287	7.6	24.1	146 E	—	64
455591 2004 SV_{26}									
5 26	17 46.35	−31 15.9	2.404	3.357	7.0	23.6	156 W	14	85
5 31	17 41.35	−31 23.9	2.374	3.351	5.5	23.4	162 W	14	85
6 5	17 36.00	−31 29.8	2.350	3.346	4.0	23.3	167 W	14	85
6 10	17 30.41	−31 33.4	2.334	3.340	2.9	23.3	171 W	13	84
6 15	17 24.69	−31 34.6	2.325	3.333	2.6	23.2	172 E	13	84
6 20	17 18.97	−31 33.3	2.324	3.327	3.4	23.3	169 E	13	84
6 25	17 13.39	−31 29.8	2.330	3.320	4.8	23.4	164 E	14	85
6 30	17 8.06	−31 24.1	2.344	3.313	6.3	23.4	159 E	14	85
461397 2001 SD_{170}									
5 26	17 47.68	+ 8 51.3	2.207	3.068	11.8	22.9	142 W	54	55
5 31	17 43.20	+ 9 29.1	2.172	3.051	11.3	22.8	144 W	54	55
6 5	17 38.35	+10 2.1	2.142	3.033	10.9	22.7	146 W	55	54
6 10	17 33.22	+10 29.7	2.119	3.016	10.8	22.7	146 W	55	54
6 15	17 27.92	+10 51.2	2.102	2.998	11.0	22.7	146 E	56	53
6 20	17 22.56	+11 6.2	2.092	2.979	11.4	22.7	145 E	56	53
6 25	17 17.25	+11 14.6	2.088	2.960	12.0	22.7	143 E	56	53
6 30	17 12.10	+11 16.4	2.089	2.941	12.9	22.7	140 E	56	53
230549 2003 BH									
5 26	17 48.34	− 5 24.1	1.024	1.975	14.1	22.8	152 W	40	69
6 5	17 32.99	− 5 34.8	0.986	1.972	10.0	22.6	160 W	39	70
6 15	17 15.84	− 6 10.0	0.974	1.966	9.0	22.5	162 E	39	70
6 25	16 59.06	− 7 8.6	0.986	1.958	12.4	22.7	156 E	38	71
7 5	16 44.65	− 8 26.0	1.022	1.947	17.3	22.9	145 E	37	72
498664 2008 SZ_{136}									
5 26	17 51.30	−19 20.7	2.041	2.997	7.8	22.4	156 W	26	83
6 5	17 42.71	−19 3.1	1.958	2.957	4.2	22.1	168 W	26	83
6 15	17 32.81	−18 45.7	1.903	2.917	1.6	21.8	175 E	26	83
6 25	17 22.53	−18 29.5	1.876	2.876	4.6	22.0	167 E	27	82
7 5	17 12.86	−18 15.7	1.877	2.834	8.6	22.1	155 E	27	82
515718 2014 UQ_{194}									
5 26	17 54.26	−39 5.6	5.108	6.017	4.6	21.9	151 W	6	77
6 5	17 48.40	−39 25.7	5.058	6.018	3.4	21.8	159 W	6	77
6 15	17 42.02	−39 39.5	5.037	6.017	2.7	21.8	164 W	5	76
6 25	17 35.53	−39 46.6	5.044	6.017	3.1	21.8	162 E	5	76
7 5	17 29.35	−39 47.1	5.080	6.017	4.1	21.9	155 E	5	76
7 15	17 23.85	−39 41.7	5.143	6.016	5.4	22.0	146 E	5	76
411315 2010 TJ_{162}									
5 26	17 54.56	+12 2.4	2.697	3.518	11.1	22.5	138 W	57	52
6 5	17 46.84	+12 49.2	2.673	3.530	10.2	22.4	142 W	58	51
6 15	17 38.46	+13 15.0	2.673	3.541	9.8	22.4	143 W	58	51
6 25	17 30.09	+13 18.2	2.697	3.551	10.2	22.5	142 E	58	51
7 5	17 22.37	+12 59.7	2.744	3.560	11.1	22.5	137 E	58	51

446876 2002 AB_{30}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 26	17 56.50	−14 41.0	2.060	3.004	8.5	22.1	154 W	30	79
6 5	17 47.49	−14 40.3	2.005	2.995	5.1	21.9	165 W	30	79
6 15	17 37.35	−14 45.0	1.977	2.985	2.9	21.8	171 W	30	79
6 25	17 27.01	−14 55.2	1.979	2.975	4.8	21.9	166 E	30	79
7 5	17 17.43	−15 10.8	2.008	2.963	8.2	22.0	155 E	30	79
7 15	17 9.43	−15 31.6	2.062	2.950	11.5	22.2	145 E	29	80

459915 2014 MC_{27}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 26	17 57.20	+ 2 32.0	1.748	2.642	12.7	21.5	145 W	48	61
6 5	17 48.20	+ 2 32.8	1.680	2.616	10.7	21.3	151 W	48	61
6 15	17 37.72	+ 2 9.5	1.635	2.589	9.7	21.2	155 W	47	62
6 25	17 26.77	+ 1 20.3	1.616	2.561	10.5	21.2	153 E	46	63
7 5	17 16.46	+ 0 6.9	1.621	2.533	12.8	21.2	147 E	45	64
7 15	17 7.80	− 1 26.7	1.650	2.504	15.6	21.3	138 E	44	65
7 25	17 1.56	− 3 14.8	1.699	2.474	18.4	21.5	130 E	42	67

428209 2006 VC

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 26	17 57.21	−20 52.9	1.668	2.622	9.3	23.8	155 W	24	85
5 31	17 50.93	−21 7.4	1.657	2.638	7.0	23.7	161 W	24	85
6 5	17 44.25	−21 21.7	1.653	2.653	4.6	23.6	168 W	24	85
6 10	17 37.33	−21 35.3	1.656	2.668	2.3	23.5	174 W	23	86
6 15	17 30.34	−21 48.0	1.666	2.682	0.6	23.4	178 E	23	86
6 20	17 23.47	−21 59.9	1.684	2.695	2.7	23.6	173 E	23	86
6 25	17 16.87	−22 10.8	1.710	2.709	5.0	23.7	167 E	23	86
6 30	17 10.70	−22 20.9	1.742	2.721	7.2	23.9	160 E	23	86

449120 2012 YP_{1}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 26	17 59.23	+ 8 5.3	2.144	2.996	12.4	21.6	141 W	53	56
6 5	17 50.38	+ 8 16.8	2.107	3.002	10.9	21.5	146 W	53	56
6 15	17 40.60	+ 8 4.7	2.094	3.008	10.1	21.4	149 W	53	56
6 25	17 30.76	+ 7 28.3	2.106	3.012	10.5	21.5	147 E	52	57
7 5	17 21.69	+ 6 29.5	2.143	3.015	11.8	21.6	143 E	51	58
7 15	17 14.11	+ 5 12.2	2.203	3.018	13.5	21.7	136 E	50	59

488894 2005 TY_{41}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 26	17 59.79	−17 10.4	1.276	2.231	11.5	21.8	154 W	28	81
6 5	17 51.21	−16 39.4	1.208	2.203	6.9	21.4	165 W	28	81
6 15	17 40.56	−16 12.1	1.163	2.174	3.4	21.1	173 W	29	80
6 25	17 29.21	−15 50.7	1.143	2.145	6.2	21.2	167 E	29	80
7 5	17 18.69	−15 37.3	1.147	2.116	11.3	21.4	156 E	29	80
7 15	17 10.39	−15 33.7	1.172	2.087	16.3	21.6	145 E	29	80

402867 2007 RT_{149}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 26	18 1.32	−18 37.0	1.492	2.443	10.5	21.3	154 W	26	83
6 5	17 52.37	−18 54.5	1.409	2.405	6.1	20.9	165 W	26	83
6 15	17 41.28	−19 16.6	1.352	2.366	1.9	20.6	176 W	26	83
6 25	17 29.24	−19 42.3	1.321	2.326	4.9	20.7	169 E	25	84
7 5	17 17.68	−20 10.5	1.316	2.286	10.0	20.8	157 E	25	84
7 15	17 7.99	−20 41.1	1.334	2.245	14.9	21.0	145 E	24	85
7 25	17 1.26	−21 14.4	1.371	2.204	19.3	21.2	134 E	24	85
8 4	16 58.07	−21 50.5	1.424	2.163	22.9	21.3	124 E	23	86
8 14	16 58.63	−22 29.5	1.487	2.121	25.7	21.5	115 E	22*	86

326717 2003 EA_{17}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 26	18 2.27	+ 9 54.2	2.698	3.523	10.9	21.8	139 W	55	54
6 5	17 54.74	+10 35.9	2.666	3.533	9.8	21.7	143 W	56	53
6 15	17 46.44	+10 57.9	2.657	3.542	9.3	21.7	146 W	56	53
6 25	17 38.03	+10 58.7	2.674	3.551	9.6	21.7	144 E	56	53
7 5	17 30.16	+10 38.9	2.714	3.558	10.5	21.8	140 E	56	53
7 15	17 23.39	+10 0.6	2.778	3.565	11.7	21.9	134 E	55	54

504256 2006 VD_{13}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 26	18 4.54	−38 59.2	1.495	2.424	12.1	22.4	150 W	6	77
5 31	17 56.84	−38 59.2	1.488	2.445	10.1	22.4	155 W	6	77
6 5	17 48.67	−38 53.2	1.488	2.465	8.2	22.3	160 W	6	77
6 10	17 40.26	−38 40.9	1.495	2.484	6.8	22.3	163 W	6	77
6 15	17 31.87	−38 22.6	1.509	2.503	6.1	22.3	165 E	7	78
6 20	17 23.77	−37 58.5	1.529	2.522	6.3	22.3	164 E	7	78
6 25	17 16.17	−37 29.7	1.557	2.540	7.4	22.4	161 E	8	79
6 30	17 9.24	−36 57.1	1.591	2.558	9.0	22.6	157 E	8	79

453309 2008 VQ_{4}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 26	18 7.30	−22 42.0	1.014	1.971	13.5	21.7	153 W	22	87
5 31	18 0.19	−22 4.7	1.007	1.989	10.3	21.6	159 W	23	86
6 5	17 52.55	−21 26.3	1.007	2.006	7.1	21.4	166 W	24	85
6 10	17 44.64	−20 47.4	1.012	2.023	3.9	21.3	172 W	24	85
6 15	17 36.74	−20 8.7	1.024	2.039	1.6	21.2	177 W	25	84
6 20	17 29.11	−19 31.1	1.042	2.055	3.4	21.4	173 E	25	84
6 25	17 22.00	−18 55.3	1.067	2.070	6.4	21.6	167 E	26	83
6 30	17 15.59	−18 22.1	1.098	2.085	9.3	21.8	161 E	27	82
7 5	17 10.01	−17 52.1	1.135	2.100	12.0	22.0	155 E	27	82

453309 2008 VQ_{4} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
7 10	17 5.36	−17 25.8	1.178	2.114	14.4	22.2	149 E	28	81
7 15	17 1.70	−17 3.4	1.225	2.128	16.6	22.4	143 E	28	81

439994 2002 AK_{2}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 26	18 9.42	+ 9 32.6	2.201	3.028	13.0	21.8	138 W	55	54
6 5	18 0.78	+ 9 53.8	2.174	3.049	11.4	21.7	143 W	55	54
6 15	17 51.19	+ 9 51.2	2.170	3.069	10.5	21.7	147 W	55	54
6 25	17 41.48	+ 9 23.9	2.191	3.088	10.5	21.7	146 E	54	55
7 5	17 32.48	+ 8 33.7	2.237	3.106	11.5	21.8	143 E	54	55
7 15	17 24.87	+ 7 24.3	2.306	3.123	12.9	21.9	137 E	52	57

236104 2005 QJ_{71}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 26	18 9.72	+11 41.7	1.847	2.671	15.2	21.5	136 W	57	52
5 31	18 5.92	+12 13.5	1.814	2.662	14.5	21.4	139 W	57	52
6 5	18 1.64	+12 39.2	1.787	2.653	14.0	21.4	141 W	58	51
6 10	17 56.98	+12 57.8	1.765	2.643	13.5	21.3	142 W	58	51
6 15	17 52.04	+13 8.7	1.748	2.633	13.3	21.3	143 W	58	51
6 20	17 46.95	+13 11.4	1.737	2.623	13.4	21.3	143 E	58	51
6 25	17 41.84	+13 5.8	1.731	2.613	13.7	21.3	143 E	58	51
6 30	17 36.84	+12 52.0	1.731	2.603	14.2	21.3	141 E	58	51
7 5	17 32.08	+12 30.1	1.736	2.592	14.9	21.3	139 E	58	51
7 10	17 27.66	+12 0.6	1.747	2.581	15.7	21.3	137 E	57	52
7 15	17 23.71	+11 24.2	1.762	2.570	16.7	21.4	134 E	56	53
7 20	17 20.31	+10 41.6	1.781	2.559	17.6	21.4	130 E	56	53
7 25	17 17.51	+ 9 53.8	1.805	2.547	18.6	21.5	127 E	55	54

346961 2010 CU_{1}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 26	18 11.95	−17 48.5	1.720	2.654	10.6	21.7	151 W	27	82
6 5	18 2.94	−17 46.2	1.645	2.631	6.6	21.4	163 W	27	82
6 15	17 52.07	−17 47.4	1.597	2.608	2.7	21.1	173 W	27	82
6 25	17 40.42	−17 51.9	1.576	2.584	3.8	21.1	170 E	27	82
7 5	17 29.21	−17 59.6	1.582	2.558	8.2	21.3	159 E	27	82
7 15	17 19.60	−18 11.1	1.614	2.531	12.4	21.5	148 E	27	82

524136 2000 SD_{372}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 26	18 11.95	−26 59.3	1.516	2.456	11.2	21.7	152 W	18	89
6 5	18 3.09	−26 35.7	1.435	2.425	6.9	21.3	163 W	18	89
6 15	17 52.02	−26 3.6	1.379	2.393	2.2	20.9	175 W	19	90
6 25	17 40.01	−25 22.8	1.350	2.360	3.5	21.0	172 E	20	89
7 5	17 28.53	−24 35.4	1.346	2.327	8.6	21.2	160 E	20	89
7 15	17 18.98	−23 45.6	1.367	2.294	13.5	21.4	148 E	21	88

357439 2004 BL_{86}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 26	18 12.02	+ 8 9.5	1.240	2.107	18.7	22.3	138 W	53	56
5 31	18 5.57	+ 8 13.9	1.213	2.107	17.2	22.2	142 W	53	56
6 5	17 58.39	+ 8 8.9	1.192	2.107	15.9	22.2	145 W	53	56
6 10	17 50.66	+ 7 54.0	1.176	2.106	14.9	22.1	148 W	53	56
6 15	17 42.57	+ 7 28.4	1.166	2.104	14.3	22.1	149 W	52	57
6 20	17 34.37	+ 6 52.4	1.163	2.102	14.3	22.0	149 E	52	57
6 25	17 26.29	+ 6 6.3	1.165	2.099	14.8	22.1	148 E	51	58
6 30	17 18.54	+ 5 11.2	1.174	2.095	15.8	22.1	146 E	50	59
7 5	17 11.34	+ 4 8.3	1.188	2.091	17.1	22.2	143 E	49	60
7 10	17 4.84	+ 2 58.8	1.208	2.086	18.6	22.3	139 E	48	61
7 15	16 59.19	+ 1 44.4	1.233	2.080	20.2	22.4	135 E	47	62

162011 Konnohmaru

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 26	18 12.78	−25 21.2	2.621	3.546	7.8	21.9	152 W	20	89
6 5	18 4.32	−25 32.9	2.518	3.502	4.8	21.6	163 W	19	90
6 15	17 54.37	−25 41.9	2.443	3.456	1.6	21.3	175 W	19	90
6 25	17 43.65	−25 46.9	2.398	3.409	2.2	21.3	173 E	19	90
7 5	17 33.03	−25 47.6	2.383	3.360	5.7	21.5	161 E	19	90
7 15	17 23.36	−25 44.6	2.397	3.311	9.0	21.6	149 E	19	90

366833 2005 MC

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 26	18 13.14	−38 38.9	2.588	3.492	8.7	21.9	148 W	6	77
5 31	18 7.93	−38 35.2	2.536	3.472	7.5	21.8	153 W	6	77
6 5	18 2.21	−38 28.2	2.491	3.453	6.3	21.7	158 W	7	78
6 10	17 56.08	−38 17.3	2.452	3.432	5.2	21.6	162 W	7	78
6 15	17 49.67	−38 2.3	2.421	3.412	4.5	21.5	165 W	7	78
6 20	17 43.11	−37 43.1	2.397	3.391	4.3	21.4	166 E	7	78
6 25	17 36.54	−37 19.7	2.381	3.370	4.8	21.4	164 E	8	79
6 30	17 30.11	−36 52.4	2.373	3.348	5.9	21.5	160 E	8	79
7 5	17 23.95	−36 21.6	2.372	3.326	7.2	21.5	156 E	9	80
7 10	17 18.18	−35 47.8	2.378	3.304	8.6	21.6	151 E	9	80
7 15	17 12.91	−35 11.7	2.391	3.282	10.0	21.6	146 E	10	81

442559 2012 AU_{10}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 26	18 15.63	+26 2.5	1.446	2.181	22.6	21.8	124 W	71	38
5 31	18 9.25	+26 4.6	1.420	2.181	21.9	21.7	126 W	71	38
6 5	18 2.19	+25 54.4	1.398	2.181	21.3	21.7	129 W	71	38
6 10	17 54.62	+25 30.8	1.379	2.179	20.8	21.6	130 W	71	38

442559 2012 AU_{10} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
6 15	17 46.74	+24 53.0	1.366	2.178	20.4	21.6	132 W	70	39
6 20	17 38.76	+24 0.7	1.357	2.176	20.2	21.6	132 E	69	40
6 25	17 30.91	+22 54.5	1.353	2.173	20.2	21.5	132 E	68	41
6 30	17 23.39	+21 35.2	1.355	2.170	20.4	21.6	132 E	67	42
7 5	17 16.38	+20 4.1	1.362	2.167	20.8	21.6	131 E	65	44
7 10	17 10.05	+18 22.8	1.374	2.163	21.5	21.6	129 E	63	46
7 15	17 4.51	+16 33.3	1.392	2.158	22.2	21.7	127 E	62	47

256460 2007 *DL*

5 26	18 15.69	+13 54.8	2.785	3.559	11.9	21.7	134 W	59	50
6 5	18 8.49	+14 34.0	2.744	3.568	10.9	21.6	138 W	60	49
6 15	18 0.37	+14 52.3	2.726	3.576	10.2	21.6	141 W	60	49
6 25	17 51.94	+14 47.7	2.732	3.583	10.2	21.6	141 E	60	49
7 5	17 43.85	+14 20.8	2.760	3.589	10.7	21.7	139 E	59	50
7 15	17 36.70	+13 33.4	2.812	3.594	11.7	21.7	134 E	59	50

533541 2014 JU_{54}

5 26	18 17.40	−12 5.3	0.828	1.773	17.4	21.6	148 W	33	76
5 31	18 9.04	−13 35.1	0.808	1.780	13.8	21.5	155 W	31	78
6 5	17 59.51	−15 11.9	0.793	1.787	9.9	21.3	162 W	30	79
6 10	17 49.05	−16 53.4	0.785	1.793	5.9	21.1	169 W	28	81
6 15	17 38.01	−18 36.7	0.784	1.798	2.7	20.9	175 W	26	83
6 20	17 26.80	−20 18.9	0.790	1.803	4.0	21.0	173 E	25	84
6 25	17 15.83	−21 57.5	0.804	1.808	7.6	21.3	166 E	23	86
6 30	17 5.49	−23 30.5	0.824	1.811	11.4	21.5	159 E	21	88
7 5	16 56.09	−24 56.5	0.851	1.815	15.0	21.7	153 E	20	89
7 10	16 47.91	−26 15.2	0.883	1.817	18.2	21.9	146 E	19	90
7 15	16 41.12	−27 26.9	0.920	1.819	21.2	22.1	140 E	18	89

537950 2016 AO_{181}

5 26	18 18.13	−15 54.3	1.625	2.550	11.6	21.5	149 W	29	80
6 5	18 10.26	−15 26.4	1.542	2.520	7.9	21.2	160 W	30	79
6 15	18 0.33	−15 2.9	1.484	2.490	4.2	20.9	170 W	30	79
6 25	17 49.36	−14 45.4	1.452	2.458	4.3	20.8	169 E	30	79
7 5	17 38.57	−14 35.0	1.446	2.427	8.3	21.0	160 E	30	79
7 15	17 29.18	−14 32.8	1.465	2.394	12.7	21.2	149 E	30	79
7 25	17 22.22	−14 39.1	1.506	2.361	16.7	21.3	138 E	30	79

442721 2012 VB_{31}

5 26	18 20.80	−23 48.8	1.516	2.445	12.0	21.6	150 W	21	88
6 5	18 12.18	−24 18.6	1.440	2.423	7.6	21.3	161 W	21	88
6 15	18 1.14	−24 48.1	1.388	2.400	2.8	20.9	173 W	20	89
6 25	17 48.86	−25 14.3	1.364	2.377	2.6	20.8	174 E	20	89
7 5	17 36.79	−25 35.1	1.365	2.352	7.8	21.1	162 E	19	90
7 15	17 26.40	−25 50.7	1.391	2.327	12.7	21.3	150 E	19	90
7 25	17 18.85	−26 2.8	1.438	2.301	16.9	21.5	139 E	19	90

494904 2008 UK_{266}

5 26	18 22.58	− 2 40.2	1.990	2.865	12.3	22.3	143 W	42	67
6 5	18 14.16	− 1 28.2	1.954	2.884	9.8	22.2	151 W	44	65
6 15	18 4.49	− 0 31.9	1.944	2.901	8.2	22.1	156 W	44	65
6 25	17 54.46	+ 0 5.7	1.960	2.918	8.1	22.2	156 E	45	64
7 5	17 44.98	+ 0 23.5	2.003	2.934	9.7	22.3	151 E	45	64
7 15	17 36.85	+ 0 22.4	2.070	2.949	11.9	22.4	143 E	45	64

477164 2009 EW_{14}

5 26	18 23.14	+15 31.4	1.639	2.428	18.3	22.0	131 W	61	48
5 31	18 19.08	+16 2.7	1.618	2.432	17.5	22.0	134 W	61	48
6 5	18 14.47	+16 26.1	1.601	2.436	16.8	21.9	136 W	61	48
6 10	18 9.43	+16 40.7	1.589	2.439	16.2	21.9	138 W	62	47
6 15	18 4.10	+16 45.7	1.582	2.443	15.8	21.9	139 W	62	47
6 20	17 58.61	+16 41.0	1.580	2.446	15.5	21.9	140 W	62	47
6 25	17 53.12	+16 26.5	1.583	2.449	15.5	21.9	140 E	61	48
6 30	17 47.77	+16 2.4	1.591	2.451	15.8	21.9	139 E	61	48
7 5	17 42.70	+15 29.2	1.604	2.453	16.2	21.9	138 E	60	49
7 10	17 38.04	+14 47.7	1.622	2.455	16.8	22.0	136 E	60	49
7 15	17 33.89	+13 58.8	1.645	2.457	17.5	22.1	133 E	59	50
7 20	17 30.35	+13 3.7	1.673	2.458	18.3	22.1	131 E	58	51

492143 2013 *OE*

5 26	18 25.74	−15 2.1	2.159	3.062	10.3	22.5	147 W	30	79
6 5	18 16.22	−14 36.8	2.099	3.066	7.0	22.3	159 W	30	79
6 15	18 5.24	−14 15.6	2.067	3.068	3.9	22.1	168 W	31	78
6 25	17 53.71	−13 59.4	2.064	3.068	3.5	22.0	169 E	31	78
7 5	17 42.59	−13 48.9	2.091	3.067	6.4	22.2	160 E	31	78
7 15	17 32.78	−13 44.5	2.145	3.065	9.7	22.4	149 E	31	78

307556 2003 EQ_{43}

5 26	18 26.46	+12 9.2	2.859	3.626	11.8	22.2	133 W	57	52
6 5	18 19.55	+12 54.0	2.809	3.632	10.7	22.1	139 W	58	51
6 15	18 11.59	+13 19.6	2.781	3.638	9.9	22.1	142 W	58	51
6 25	18 3.17	+13 23.8	2.778	3.642	9.6	22.1	143 E	58	51

307556 2003 EQ_{43} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
7 5	17 54.91	+13 6.6	2.798	3.646	10.1	22.1	141 E	58	51
7 15	17 47.42	+12 29.2	2.842	3.648	11.0	22.2	137 E	57	52

455189 2000 QM_7

5 26	18 26.54	+ 9 12.9	2.046	2.853	14.5	21.6	135 W	54	55
5 31	18 23.19	+ 9 43.4	2.003	2.840	13.8	21.6	138 W	55	54
6 5	18 19.33	+10 8.9	1.966	2.827	13.1	21.5	141 W	55	54
6 10	18 15.04	+10 28.7	1.933	2.813	12.5	21.4	143 W	55	54
6 15	18 10.39	+10 42.1	1.907	2.799	12.1	21.4	145 W	56	53
6 20	18 5.51	+10 48.7	1.886	2.785	11.9	21.3	146 W	56	53
6 25	18 0.49	+10 48.0	1.871	2.770	12.0	21.3	146 E	56	53
6 30	17 55.46	+10 40.0	1.862	2.756	12.3	21.3	145 E	56	53
7 5	17 50.54	+10 24.7	1.859	2.741	12.9	21.3	143 E	55	54
7 10	17 45.83	+10 2.3	1.861	2.725	13.6	21.3	141 E	55	54
7 15	17 41.47	+ 9 33.3	1.869	2.710	14.6	21.3	138 E	55	54
7 20	17 37.55	+ 8 58.2	1.881	2.694	15.6	21.4	135 E	54	55
7 25	17 34.16	+ 8 17.8	1.899	2.678	16.6	21.4	131 E	53	56
7 30	17 31.33	+ 7 32.9	1.921	2.662	17.6	21.5	127 E	53	56

366470 2002 *FD*

5 26	18 27.29	+19 35.0	1.013	1.816	26.3	21.9	127 W	65	44
5 31	18 21.79	+20 45.9	0.997	1.819	25.5	21.9	130 W	66	43
6 5	18 15.41	+21 44.8	0.985	1.822	24.7	21.8	131 W	67	42
6 10	18 8.30	+22 29.7	0.977	1.824	24.2	21.8	133 W	67	42
6 15	18 0.70	+22 59.2	0.972	1.825	23.9	21.8	133 W	68	41
6 20	17 52.86	+23 12.2	0.972	1.825	23.9	21.8	133 E	68	41
6 25	17 45.04	+23 8.5	0.975	1.825	24.1	21.8	133 E	68	41
6 30	17 37.50	+22 48.7	0.982	1.825	24.5	21.8	132 E	68	41
7 5	17 30.48	+22 13.5	0.992	1.824	25.1	21.8	130 E	67	42
7 10	17 24.18	+21 24.2	1.006	1.822	25.9	21.9	128 E	66	43
7 15	17 18.77	+20 22.8	1.024	1.819	26.8	22.0	126 E	65	44

366415 2001 TS_{110}

5 26	18 30.23	−19 45.6	1.681	2.592	12.2	21.5	147 W	25	84
6 5	18 23.37	−19 23.8	1.584	2.555	8.4	21.2	158 W	26	83
6 15	18 14.21	−19 2.9	1.511	2.517	4.2	20.9	170 W	26	83
6 25	18 3.62	−18 43.3	1.464	2.478	2.2	20.7	175 E	26	83
7 5	17 52.79	−18 25.6	1.444	2.439	6.4	20.8	165 E	27	82
7 15	17 42.97	−18 11.1	1.449	2.400	11.1	21.0	153 E	27	82
7 25	17 35.32	−18 1.2	1.477	2.360	15.4	21.2	142 E	27	82
8 4	17 30.58	−17 56.9	1.523	2.320	19.2	21.3	131 E	27	82
8 14	17 29.14	−17 58.4	1.582	2.280	22.3	21.5	121 E	27	82

162581 2000 SA_{10}

5 26	18 31.12	+ 0 26.1	1.381	2.251	17.0	22.0	140 W	45	64
5 31	18 26.27	+ 1 9.5	1.354	2.252	15.5	21.9	144 W	46	63
6 5	18 20.73	+ 1 47.9	1.331	2.253	14.0	21.8	147 W	47	62
6 10	18 14.62	+ 2 20.4	1.314	2.254	12.8	21.7	150 W	47	62
6 15	18 8.09	+ 2 46.1	1.303	2.254	12.0	21.7	153 W	48	61
6 20	18 1.31	+ 3 4.4	1.298	2.253	11.6	21.6	153 W	48	61
6 25	17 54.48	+ 3 14.9	1.299	2.252	11.9	21.7	153 E	48	61
6 30	17 47.79	+ 3 17.6	1.306	2.251	12.6	21.7	151 E	48	61
7 5	17 41.41	+ 3 12.6	1.319	2.248	13.8	21.8	148 E	48	61
7 10	17 35.51	+ 3 0.2	1.338	2.246	15.2	21.8	145 E	48	61
7 15	17 30.24	+ 2 41.2	1.362	2.243	16.7	21.9	141 E	48	61
7 20	17 25.69	+ 2 16.3	1.391	2.239	18.2	22.0	136 E	47	62

488873 2005 SR_{137}

5 26	18 35.58	+ 6 32.0	2.005	2.814	14.7	22.0	135 W	52	57
5 31	18 32.02	+ 7 10.3	1.981	2.822	13.8	21.9	139 W	52	57
6 5	18 27.99	+ 7 43.8	1.962	2.829	12.9	21.9	142 W	53	56
6 10	18 23.58	+ 8 11.8	1.948	2.835	12.1	21.8	144 W	53	56
6 15	18 18.88	+ 8 33.6	1.941	2.842	11.5	21.8	146 W	54	55
6 20	18 14.00	+ 8 48.9	1.939	2.848	11.1	21.8	147 W	54	55
6 25	18 9.06	+ 8 57.5	1.943	2.854	11.0	21.8	148 E	54	55
6 30	18 4.18	+ 8 59.5	1.954	2.860	11.2	21.8	147 E	54	55
7 5	17 59.45	+ 8 54.8	1.970	2.865	11.6	21.9	145 E	54	55
7 10	17 55.00	+ 8 43.9	1.992	2.871	12.3	21.9	143 E	54	55
7 15	17 50.92	+ 8 27.1	2.020	2.876	13.1	22.0	140 E	53	56
7 20	17 47.29	+ 8 5.1	2.053	2.881	13.9	22.1	137 E	53	56

450196 2002 CZ_{288}

5 26	18 36.94	−50 51.3	2.176	3.013	12.8	21.8	139 W	—	65
5 31	18 31.41	−51 10.8	2.139	3.007	11.8	21.8	143 W	—	65
6 5	18 25.06	−51 25.4	2.107	3.002	10.9	21.7	146 W	—	65
6 10	18 18.02	−51 34.1	2.081	2.995	10.1	21.6	149 W	—	64
6 15	18 10.48	−51 36.1	2.061	2.989	9.5	21.6	151 W	—	64
6 20	18 2.64	−51 30.9	2.048	2.983	9.2	21.5	152 W	—	64
6 25	17 54.75	−51 18.2	2.041	2.976	9.3	21.5	152 E	—	65
6 30	17 47.01	−50 58.1	2.040	2.969	9.7	21.5	151 E	—	65
7 5	17 39.65	−50 31.0	2.046	2.961	10.3	21.6	149 E	—	65

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
450196 2002 CZ_{288} *(continuation)*									
7 10	17 32.86	−49 57.7	2.058	2.954	11.2	21.6	146 E	—	66
7 15	17 26.81	−49 19.1	2.076	2.946	12.2	21.7	142 E	—	67
7 20	17 21.61	−48 36.2	2.100	2.938	13.3	21.7	138 E	—	67
537725 2015 TX_{243}									
5 26	18 38.76	−23 33.8	1.118	2.037	16.2	21.3	146 W	21	88
6 5	18 33.23	−23 6.1	1.035	2.007	11.6	20.9	157 W	22	87
6 15	18 24.37	−22 35.1	0.972	1.978	6.0	20.5	168 W	22	87
6 25	18 13.28	−22 0.2	0.932	1.948	0.7	20.0	179 E	23	86
6 30	18 7.41	−21 41.5	0.920	1.934	3.5	20.2	173 E	23	86
7 5	18 1.63	−21 22.3	0.914	1.919	6.7	20.3	167 E	24	85
7 10	17 56.18	−21 3.0	0.914	1.905	9.9	20.4	161 E	24	85
7 15	17 51.29	−20 44.2	0.919	1.891	12.9	20.6	155 E	24	85
7 20	17 47.18	−20 26.3	0.928	1.877	15.9	20.7	150 E	25	84
7 25	17 43.96	−20 9.9	0.942	1.863	18.6	20.8	144 E	25	84
7 30	17 41.75	−19 55.1	0.960	1.849	21.2	20.9	139 E	25	84
8 4	17 40.60	−19 42.3	0.981	1.836	23.5	21.0	134 E	25	84
8 9	17 40.53	−19 31.4	1.006	1.822	25.6	21.1	129 E	25	84
8 14	17 41.57	−19 22.4	1.032	1.809	27.5	21.2	124 E	26	83
8 19	17 43.67	−19 15.1	1.061	1.797	29.2	21.3	120 E	26	83
8 24	17 46.79	−19 9.2	1.092	1.784	30.6	21.4	116 E	26	83
8 29	17 50.87	−19 4.3	1.124	1.772	31.9	21.4	112 E	26	83
307615 2003 QR_{82}									
5 26	18 38.86	−20 47.9	1.988	2.881	11.5	21.3	146 W	24	85
6 5	18 31.63	−20 57.1	1.898	2.858	8.0	21.0	157 W	24	85
6 15	18 22.31	−21 8.4	1.832	2.835	4.1	20.8	168 W	24	85
6 25	18 11.71	−21 20.5	1.795	2.811	0.8	20.4	178 E	24	85
6 30	18 6.24	−21 26.5	1.786	2.798	2.5	20.6	173 E	24	85
7 5	18 0.85	−21 32.2	1.785	2.785	4.7	20.7	167 E	23	86
7 10	17 55.66	−21 37.8	1.791	2.773	6.8	20.8	161 E	23	86
7 15	17 50.81	−21 43.1	1.803	2.760	8.8	20.9	155 E	23	86
7 20	17 46.43	−21 48.3	1.821	2.746	10.8	21.0	150 E	23	86
7 25	17 42.61	−21 53.5	1.845	2.733	12.6	21.1	144 E	23	86
7 30	17 39.41	−21 58.7	1.875	2.719	14.3	21.1	138 E	23	86
8 4	17 36.90	−22 4.1	1.909	2.705	15.9	21.2	133 E	23	86
8 9	17 35.10	−22 9.7	1.947	2.691	17.3	21.3	128 E	23	86
8 14	17 34.05	−22 15.6	1.988	2.676	18.5	21.4	123 E	23	86
8 19	17 33.74	−22 21.8	2.033	2.662	19.6	21.5	118 E	23	86
162196 1999 RL_{45}									
5 26	18 41.70	+13 11.5	1.434	2.221	20.6	22.2	130 W	58	51
5 31	18 38.35	+14 5.3	1.390	2.205	19.8	22.1	132 W	59	50
6 5	18 34.20	+14 53.0	1.350	2.188	19.2	22.0	135 W	60	49
6 10	18 29.30	+15 33.3	1.314	2.171	18.6	21.9	137 W	61	48
6 15	18 23.76	+16 4.7	1.283	2.153	18.1	21.8	139 W	61	48
6 20	18 17.69	+16 25.8	1.257	2.135	17.9	21.8	140 W	61	48
6 25	18 11.26	+16 35.7	1.235	2.117	18.0	21.7	140 E	62	47
6 30	18 4.64	+16 33.7	1.218	2.098	18.3	21.7	140 E	62	47
7 5	17 58.02	+16 19.3	1.206	2.079	19.0	21.7	138 E	61	48
7 10	17 51.61	+15 52.6	1.199	2.059	19.9	21.7	137 E	61	48
7 15	17 45.59	+15 14.1	1.196	2.039	21.0	21.7	134 E	60	49
7 20	17 40.16	+14 24.7	1.197	2.018	22.2	21.7	131 E	59	50
453235 2008 PU_3									
5 26	18 48.55	−20 9.1	1.108	2.013	17.5	21.4	143 W	25	84
6 5	18 44.50	−19 23.4	1.022	1.983	13.2	21.0	154 W	26	83
6 15	18 37.06	−18 37.7	0.955	1.952	8.1	20.6	164 W	26	83
6 25	18 27.13	−17 53.4	0.909	1.923	3.3	20.2	174 W	27	82
6 30	18 21.68	−17 32.4	0.894	1.908	3.5	20.2	173 E	27	82
7 5	18 16.19	−17 12.6	0.885	1.894	5.8	20.3	169 E	28	81
7 10	18 10.90	−16 54.3	0.882	1.879	8.8	20.4	164 E	28	81
7 15	18 6.03	−16 38.0	0.884	1.865	11.8	20.5	158 E	28	81
7 20	18 1.82	−16 24.0	0.890	1.851	14.7	20.6	152 E	29	80
7 25	17 58.41	−16 12.4	0.901	1.838	17.6	20.7	147 E	29	80
7 30	17 55.93	−16 3.4	0.916	1.825	20.2	20.8	142 E	29	80
8 4	17 54.47	−15 56.9	0.935	1.812	22.6	20.9	137 E	29	80
8 9	17 54.06	−15 52.9	0.957	1.799	24.9	21.0	132 E	29	80
8 14	17 54.74	−15 51.1	0.982	1.787	26.9	21.1	127 E	29	80
8 19	17 56.50	−15 51.1	1.009	1.775	28.6	21.2	123 E	29	80
8 24	17 59.29	−15 52.5	1.037	1.763	30.2	21.3	119 E	29	80
8 29	18 3.06	−15 54.9	1.068	1.752	31.5	21.4	115 E	29	80
9 3	18 7.77	−15 57.7	1.100	1.741	32.7	21.5	111 E	29	80
259101 2002 WS									
5 26	18 48.58	−61 58.1	2.575	3.329	13.3	21.9	131 W	—	54
5 31	18 41.98	−62 35.0	2.558	3.340	12.7	21.9	134 W	—	53
6 5	18 34.36	−63 6.1	2.547	3.351	12.2	21.9	136 W	—	53
6 10	18 25.85	−63 30.3	2.541	3.362	11.7	21.9	138 W	—	52

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
259101 2002 WS *(continuation)*									
6 15	18 16.71	−63 46.7	2.540	3.372	11.4	21.9	139 W	—	52
6 20	18 7.21	−63 54.8	2.545	3.382	11.3	21.9	139 W	—	52
6 25	17 57.65	−63 54.5	2.556	3.393	11.2	21.9	139 E	—	52
6 30	17 48.34	−63 45.9	2.572	3.402	11.4	21.9	139 E	—	52
7 5	17 39.55	−63 29.5	2.594	3.412	11.6	21.9	137 E	—	53
7 10	17 31.53	−63 6.0	2.621	3.422	12.0	22.0	136 E	—	53
7 15	17 24.46	−62 36.3	2.654	3.431	12.5	22.0	133 E	—	53
7 20	17 18.47	−62 1.7	2.691	3.440	13.0	22.1	131 E	—	54
250614 2005 GG									
5 26	18 51.94	− 9 44.8	2.496	3.333	11.3	21.5	140 W	35	74
6 5	18 43.03	−10 11.2	2.397	3.319	8.6	21.3	151 W	35	74
6 15	18 32.22	−10 48.0	2.325	3.302	5.7	21.1	161 W	34	75
6 25	18 20.16	−11 34.2	2.283	3.284	3.7	20.9	168 W	33	76
7 5	18 7.69	−12 28.2	2.273	3.265	4.8	21.0	165 E	33	76
7 15	17 55.74	−13 27.4	2.295	3.243	7.7	21.1	155 E	32	77
7 25	17 45.18	−14 29.5	2.346	3.219	10.8	21.3	143 E	31	78
8 4	17 36.66	−15 32.5	2.422	3.194	13.6	21.4	132 E	29	80
357094 2001 TM									
5 26	19 13.60	−32 39.0	1.611	2.459	16.0	21.3	138 W	12	83
6 5	19 8.52	−33 35.1	1.504	2.425	12.8	21.0	148 W	11	82
6 15	18 59.89	−34 30.7	1.418	2.391	9.1	20.7	158 W	10	81
6 25	18 48.28	−35 18.3	1.356	2.355	6.0	20.4	166 W	10	81
6 30	18 41.70	−35 36.9	1.334	2.337	5.4	20.3	167 W	9	80
7 5	18 34.84	−35 50.8	1.319	2.319	6.0	20.3	166 E	9	80
7 10	18 27.94	−35 59.7	1.310	2.301	7.6	20.3	163 E	9	80
7 15	18 21.23	−36 3.4	1.308	2.282	9.6	20.4	158 E	9	80
7 20	18 14.96	−36 1.9	1.311	2.264	11.8	20.5	153 E	9	80
7 25	18 9.33	−35 55.8	1.320	2.245	14.0	20.6	148 E	9	80
7 30	18 4.49	−35 45.7	1.334	2.226	16.2	20.6	142 E	9	80
8 4	18 0.58	−35 32.3	1.352	2.207	18.2	20.7	137 E	9	80
8 9	17 57.67	−35 16.4	1.375	2.187	20.1	20.8	132 E	10	81
8 14	17 55.84	−34 58.7	1.401	2.168	21.9	20.9	127 E	10	81
8 19	17 55.10	−34 39.7	1.430	2.149	23.5	20.9	122 E	10	81
8 24	17 55.41	−34 20.1	1.461	2.129	24.9	21.0	118 E	11	82
8 29	17 56.76	−34 0.1	1.495	2.109	26.1	21.1	113 E	11	82
9 3	17 59.10	−33 39.8	1.530	2.089	27.2	21.1	109 E	11	82
9 8	18 2.38	−33 19.4	1.566	2.070	28.1	21.2	105 E	12*	83
9 13	18 6.56	−32 58.8	1.602	2.050	28.8	21.2	101 E	12*	83
9 18	18 11.56	−32 37.9	1.640	2.030	29.4	21.3	97 E	12*	83
9 23	18 17.34	−32 16.6	1.677	2.010	29.9	21.3	94 E	13*	83*
9 28	18 23.82	−31 54.6	1.714	1.990	30.2	21.4	90 E	13*	82*
10 3	18 30.97	−31 31.6	1.750	1.970	30.5	21.4	87 E	13*	80*
10 8	18 38.73	−31 7.4	1.786	1.950	30.6	21.4	84 E	14*	77*
10 13	18 47.06	−30 41.7	1.821	1.930	30.7	21.4	81 E	14*	74*
10 18	18 55.91	−30 14.1	1.856	1.910	30.6	21.5	78 E	14*	72*
10 23	19 5.22	−29 44.5	1.889	1.891	30.5	21.5	75 E	15*	69*
10 28	19 14.96	−29 12.4	1.921	1.871	30.3	21.5	72 E	15*	66*
11 2	19 25.09	−28 37.8	1.952	1.852	30.1	21.5	69 E	16*	63*
11 7	19 35.58	−28 0.2	1.982	1.833	29.8	21.5	67 E	16*	60*
11 12	19 46.39	−27 19.5	2.010	1.814	29.4	21.5	64 E	17*	57*
11 17	19 57.48	−26 35.6	2.038	1.795	29.0	21.5	62 E	18*	55*
11 22	20 8.81	−25 48.3	2.063	1.777	28.6	21.5	59 E	18*	52*
11 27	20 20.37	−24 57.3	2.088	1.759	28.1	21.5	57 E	19*	49*
12 2	20 32.12	−24 2.7	2.111	1.741	27.6	21.5	55 E	19*	46*
12 7	20 44.04	−23 4.3	2.133	1.723	27.0	21.4	53 E	20*	43*
12 12	20 56.11	−22 2.2	2.154	1.706	26.5	21.4	51 E	21*	40*
12 17	21 8.30	−20 56.3	2.173	1.690	25.9	21.4	48 E	21*	38*
12 22	21 20.60	−19 46.6	2.191	1.674	25.2	21.4	47 E	22*	35*
12 27	21 32.99	−18 33.3	2.209	1.658	24.6	21.4	45 E	22*	33*
1 1	21 45.46	−17 16.3	2.225	1.643	23.9	21.3	43 E	22*	30*
1 6	21 58.00	−15 55.9	2.240	1.629	23.3	21.3	41 E	22*	28*
1 11	22 10.60	−14 32.2	2.255	1.615	22.6	21.3	39 E	22*	26*
1 16	22 23.25	−13 5.3	2.268	1.603	21.9	21.3	37 E	22*	24*
1 21	22 35.95	−11 35.6	2.282	1.590	21.2	21.2	36 E	22*	22*
329571 2002 VC_{92}									
5 26	19 23.63	+ 0 1.4	0.986	1.800	26.1	21.3	128 W	45	64
5 31	19 18.88	+ 2 2.2	0.961	1.809	24.4	21.2	133 W	47	62
6 5	19 13.00	+ 4 0.1	0.941	1.817	22.6	21.1	136 W	49	60
6 10	19 6.06	+ 5 52.7	0.926	1.824	21.0	21.1	140 W	51	58
6 15	18 58.23	+ 7 37.5	0.916	1.831	19.6	21.0	143 W	53	56
6 20	18 49.72	+ 9 11.9	0.912	1.837	18.7	21.0	145 W	54	55
6 25	18 40.78	+10 33.9	0.914	1.843	18.2	21.0	145 W	56	53
6 30	18 31.70	+11 41.8	0.920	1.848	18.3	21.0	145 E	57	52
7 5	18 22.76	+12 34.8	0.933	1.853	19.0	21.1	144 E	58	51
7 10	18 14.24	+13 12.5	0.951	1.857	20.0	21.1	141 E	58	51
7 15	18 6.40	+13 35.5	0.973	1.860	21.3	21.2	138 E	59	50
7 20	17 59.45	+13 45.1	1.000	1.863	22.7	21.3	135 E	59	50
7 25	17 53.51	+13 42.9	1.031	1.865	24.1	21.4	131 E	59	50

399632 2004 PL_2

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 26	19 28.87	−24 42.9	1.080	1.930	22.0	21.2	135 W	20	89
6 5	19 31.12	−25 42.4	0.971	1.887	18.6	20.8	144 W	19	90
6 15	19 29.71	−26 59.1	0.878	1.843	14.3	20.4	153 W	18	89
6 25	19 24.52	−28 30.3	0.803	1.801	9.2	19.9	164 W	16	87
6 30	19 20.60	−29 19.2	0.772	1.780	6.7	19.7	168 W	16	87
7 5	19 15.94	−30 8.7	0.747	1.759	4.9	19.5	171 W	15	86
7 10	19 10.73	−30 57.0	0.727	1.738	5.1	19.4	171 E	14	85
7 15	19 5.21	−31 42.8	0.711	1.718	7.3	19.5	168 E	13	84
7 20	18 59.71	−32 24.5	0.701	1.698	10.3	19.5	163 E	13	84
7 25	18 54.52	−33 1.1	0.696	1.679	13.5	19.6	157 E	12	83
7 30	18 49.93	−33 31.9	0.694	1.660	16.7	19.7	152 E	11	82
8 4	18 46.23	−33 56.6	0.697	1.642	19.9	19.8	147 E	11	82
8 9	18 43.64	−34 15.2	0.703	1.624	22.9	19.9	141 E	11	82
8 14	18 42.36	−34 28.1	0.713	1.607	25.7	20.0	137 E	11	82
8 19	18 42.50	−34 35.5	0.725	1.590	28.3	20.1	132 E	10	81
8 24	18 44.08	−34 37.9	0.739	1.575	30.6	20.1	128 E	10	81
9 3	18 51.51	−34 28.6	0.773	1.545	34.5	20.3	120 E	11	82
9 13	19 4.29	−34 1.0	0.812	1.520	37.6	20.5	113 E	11	82
9 23	19 21.68	−33 14.3	0.856	1.498	39.8	20.6	107 E	12	83
10 3	19 42.76	−32 6.4	0.902	1.480	41.4	20.7	102 E	13	84
10 13	20 6.66	−30 35.5	0.951	1.467	42.4	20.9	98 E	14	85
10 23	20 32.53	−28 40.6	1.003	1.458	42.9	21.0	94 E	16	87*
11 2	20 59.58	−26 21.8	1.059	1.455	43.0	21.1	90 E	19	84*
11 12	21 27.24	−23 40.8	1.118	1.456	42.8	21.2	87 E	21	79*
11 22	21 55.02	−20 40.7	1.183	1.463	42.2	21.3	84 E	24	74*
12 2	22 22.58	−17 25.5	1.253	1.474	41.4	21.5	81 E	28	69*

524201 2001 RH_{33}

5 26	19 50.13	−21 18.0	1.162	1.966	23.5	21.4	129 W	24	85
6 5	19 52.95	−20 48.0	1.053	1.931	20.6	21.1	138 W	24	85
6 15	19 52.21	−20 22.8	0.958	1.896	16.6	20.7	148 W	25	84
6 25	19 47.83	−20 2.7	0.880	1.862	11.7	20.3	158 W	25	84
7 5	19 40.16	−19 46.7	0.820	1.829	5.9	19.8	169 W	25	84
7 10	19 35.37	−19 39.7	0.798	1.812	2.9	19.6	175 W	25	84
7 15	19 30.21	−19 33.1	0.780	1.797	1.5	19.4	177 E	25	84
7 20	19 24.92	−19 26.5	0.769	1.781	4.4	19.6	172 E	26	83
7 25	19 19.77	−19 19.9	0.762	1.766	7.7	19.7	167 E	26	83
7 30	19 14.99	−19 13.1	0.760	1.751	11.1	19.8	161 E	26	83
8 4	19 10.81	−19 6.2	0.763	1.736	14.3	19.9	155 E	26	83
8 9	19 7.46	−18 59.0	0.770	1.722	17.4	20.0	149 E	26	83
8 14	19 5.11	−18 51.8	0.781	1.708	20.3	20.1	144 E	26	83
8 24	19 3.76	−18 36.7	0.814	1.683	25.5	20.4	134 E	26	83
9 3	19 7.08	−18 20.2	0.857	1.659	29.7	20.6	125 E	27	82
9 13	19 14.90	−18 0.2	0.908	1.638	33.0	20.7	118 E	27	82
9 23	19 26.75	−17 34.4	0.965	1.620	35.4	20.9	111 E	27	82
10 3	19 42.00	−16 59.8	1.027	1.605	37.1	21.1	105 E	28	81
10 13	20 0.07	−16 14.0	1.092	1.592	38.2	21.2	99 E	29	80
10 23	20 20.38	−15 15.0	1.160	1.583	38.8	21.4	94 E	30	78*
11 2	20 42.39	−14 1.7	1.231	1.578	39.0	21.5	90 E	31	74*

313056 2000 SZ_{28}

5 26	19 50.95	− 8 31.9	1.504	2.251	21.5	21.5	126 W	36	73
6 5	19 51.11	− 7 17.5	1.382	2.214	19.2	21.2	134 W	38	71
6 15	19 48.22	− 6 10.5	1.276	2.176	16.2	20.9	143 W	39	70
6 25	19 42.33	− 5 15.5	1.187	2.139	12.8	20.6	152 W	40	69
7 5	19 33.84	− 4 37.2	1.118	2.101	9.7	20.3	160 W	40	69
7 15	19 23.61	− 4 19.8	1.071	2.063	8.5	20.1	162 E	41	68
7 25	19 13.01	− 4 25.2	1.047	2.026	10.8	20.1	158 E	41	68
8 4	19 3.56	− 4 52.0	1.045	1.988	14.9	20.2	150 E	40	69
8 9	18 59.70	− 5 12.4	1.051	1.970	17.1	20.3	145 E	40	69
8 14	18 56.63	− 5 36.4	1.062	1.951	19.4	20.4	140 E	39	70
8 19	18 54.45	− 6 3.2	1.076	1.933	21.5	20.4	136 E	39	70
8 24	18 53.22	− 6 32.1	1.094	1.915	23.5	20.5	131 E	38	71
8 29	18 52.98	− 7 2.3	1.115	1.897	25.4	20.6	126 E	38	71
9 3	18 53.74	− 7 33.0	1.138	1.879	27.1	20.7	122 E	37	72
9 8	18 55.51	− 8 3.6	1.163	1.862	28.6	20.7	118 E	37	72
9 13	18 58.26	− 8 33.5	1.191	1.845	29.9	20.8	114 E	36	73
9 18	19 1.96	− 9 2.0	1.219	1.828	31.1	20.9	110 E	36	73
9 23	19 6.56	− 9 28.6	1.249	1.811	32.1	20.9	107 E	36	73
9 28	19 12.01	− 9 52.9	1.280	1.795	33.0	21.0	103 E	35	74
10 3	19 18.26	−10 14.6	1.311	1.779	33.7	21.0	100 E	35	74
10 8	19 25.27	−10 33.3	1.342	1.763	34.3	21.1	97 E	34	74*
10 13	19 32.98	−10 48.6	1.374	1.748	34.7	21.1	94 E	34	74*
10 18	19 41.35	−11 0.2	1.406	1.734	35.1	21.2	91 E	34	73*
10 23	19 50.32	−11 7.9	1.438	1.720	35.3	21.2	88 E	34	71*
10 28	19 59.84	−11 11.6	1.470	1.706	35.5	21.3	85 E	34	69*
11 2	20 9.86	−11 11.0	1.502	1.693	35.6	21.3	83 E	34	67*
11 7	20 20.35	−11 6.1	1.534	1.681	35.5	21.3	80 E	34	64*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°

313056 2000 SZ_{28} *(continuation)*

11 12	20 31.26	−10 56.6	1.566	1.669	35.5	21.3	78 E	34	62*
11 17	20 42.55	−10 42.6	1.597	1.658	35.3	21.4	76 E	34*	59*
11 22	20 54.17	−10 24.0	1.628	1.648	35.1	21.4	74 E	35*	56*
11 27	21 6.08	−10 0.9	1.659	1.638	34.8	21.4	71 E	35*	54*
12 2	21 18.27	− 9 33.3	1.690	1.630	34.5	21.4	69 E	35*	51*
12 7	21 30.69	− 9 1.4	1.721	1.622	34.1	21.4	67 E	36*	48*
12 12	21 43.31	− 8 25.2	1.752	1.614	33.7	21.5	65 E	36*	46*
12 17	21 56.10	− 7 44.9	1.783	1.608	33.2	21.5	64 E	37*	43*
12 22	22 9.03	− 7 0.8	1.813	1.602	32.7	21.5	62 E	37*	41*

259145 2002 XM_{82}

5 26	19 53.44	−24 14.0	1.503	2.280	20.2	21.3	129 W	21	88
6 5	19 50.66	−24 2.3	1.404	2.270	17.0	21.0	139 W	21	88
6 15	19 44.27	−23 53.9	1.322	2.260	13.0	20.7	150 W	21	88
6 25	19 34.59	−23 46.4	1.260	2.248	8.2	20.4	162 W	21	88
6 30	19 28.77	−23 41.9	1.238	2.242	5.5	20.3	168 W	21	88
7 5	19 22.50	−23 36.4	1.222	2.236	2.8	20.1	174 W	21	88
7 10	19 15.95	−23 29.6	1.213	2.229	0.6	19.9	179 E	22	87
7 15	19 9.35	−23 21.3	1.210	2.223	3.0	20.1	173 E	22	87
7 20	19 2.93	−23 11.4	1.213	2.216	5.8	20.2	167 E	22	87
7 25	18 56.88	−23 0.2	1.223	2.209	8.6	20.3	161 E	22	87
7 30	18 51.40	−22 47.7	1.239	2.201	11.2	20.5	155 E	22	87
8 4	18 46.62	−22 34.4	1.260	2.194	13.7	20.6	149 E	22	87
8 9	18 42.66	−22 20.6	1.287	2.186	16.0	20.7	144 E	23	86
8 14	18 39.62	−22 6.5	1.318	2.179	18.1	20.8	138 E	23	86
8 19	18 37.54	−21 52.4	1.353	2.171	20.0	20.9	133 E	23	86
8 24	18 36.41	−21 38.5	1.391	2.162	21.7	21.0	128 E	23	86
8 29	18 36.23	−21 24.8	1.432	2.154	23.2	21.1	123 E	24	85
9 3	18 36.96	−21 11.3	1.476	2.146	24.5	21.2	118 E	24	85
9 8	18 38.57	−20 58.1	1.523	2.137	25.6	21.3	114 E	24	85
9 13	18 41.02	−20 44.8	1.570	2.128	26.5	21.4	109 E	24	85
9 18	18 44.25	−20 31.5	1.619	2.119	27.2	21.5	105 E	24	85

523792 2015 MR_{101}

5 26	20 3.09	−20 56.1	1.232	2.004	24.1	21.5	126 W	24*	85
6 5	19 50.97	−19 14.7	1.144	2.017	19.6	21.2	138 W	26	83
6 15	19 33.72	−17 25.4	1.076	2.026	14.0	20.9	151 W	28	81
6 25	19 12.38	−15 28.9	1.034	2.032	7.8	20.6	164 W	30	79
7 5	18 49.06	−13 29.9	1.024	2.034	4.7	20.4	171 E	32	77
7 10	18 37.50	−12 32.3	1.030	2.033	6.7	20.5	167 E	32	77
7 15	18 26.48	−11 37.7	1.045	2.032	9.6	20.7	160 E	33	76
7 20	18 16.31	−10 47.2	1.067	2.029	12.8	20.8	154 E	34	75
7 25	18 7.19	−10 1.7	1.096	2.026	15.7	21.0	147 E	35	74
7 30	17 59.26	− 9 21.6	1.130	2.022	18.5	21.1	141 E	36	73
8 4	17 52.60	− 8 47.0	1.170	2.016	21.0	21.3	135 E	36	73
8 9	17 47.24	− 8 18.0	1.214	2.010	23.2	21.4	129 E	37	72

497483 2005 YE_{277}

5 26	20 3.49	−17 42.5	1.741	2.469	19.5	21.5	125 W	27*	82
6 5	20 3.78	−17 14.4	1.605	2.429	17.3	21.2	135 W	28	81
6 15	20 1.15	−16 52.7	1.485	2.388	14.2	20.9	145 W	28	81
6 25	19 55.60	−16 38.0	1.384	2.347	10.4	20.5	155 W	28	81
7 5	19 47.42	−16 30.2	1.305	2.305	6.0	20.2	166 W	28	81
7 15	19 37.33	−16 28.4	1.250	2.264	2.3	19.8	175 W	29	80
7 20	19 31.93	−16 29.3	1.231	2.243	3.3	19.8	173 E	29	80
7 25	19 26.54	−16 31.0	1.219	2.222	5.6	19.9	168 E	28	81
7 30	19 21.33	−16 33.4	1.214	2.201	8.2	20.0	162 E	28	81
8 4	19 16.47	−16 36.2	1.214	2.181	10.8	20.1	156 E	28	81
8 9	19 12.13	−16 39.4	1.219	2.160	13.4	20.2	150 E	28	81
8 14	19 8.48	−16 42.7	1.230	2.140	15.8	20.3	145 E	28	81
8 24	19 3.62	−16 49.1	1.264	2.099	20.2	20.4	134 E	28	81
9 3	19 2.40	−16 54.4	1.313	2.058	23.9	20.6	124 E	28	81
9 13	19 4.96	−16 57.2	1.371	2.018	26.8	20.7	115 E	28	81
9 23	19 11.16	−16 55.6	1.437	1.980	29.0	20.8	107 E	28	81
10 3	19 20.64	−16 48.0	1.505	1.942	30.5	20.9	100 E	28	81
10 13	19 33.06	−16 32.2	1.576	1.905	31.5	21.0	93 E	28	79*
10 23	19 48.02	−16 6.3	1.646	1.870	32.1	21.1	86 E	29	74*
11 2	20 5.13	−15 28.7	1.714	1.837	32.2	21.2	81 E	30	68*
11 12	20 24.08	−14 38.1	1.781	1.805	32.0	21.2	75 E	30*	62*
11 22	20 44.54	−13 33.5	1.845	1.776	31.6	21.2	70 E	31*	56*
12 2	21 6.24	−12 14.5	1.907	1.750	30.9	21.2	66 E	32*	50*
12 12	21 28.95	−10 41.1	1.966	1.726	30.0	21.3	61 E	33*	44*
12 22	21 52.47	− 8 53.9	2.023	1.705	29.0	21.3	57 E	34*	38*
1 1	22 16.62	− 6 54.0	2.078	1.688	27.9	21.3	53 E	35*	33*
1 11	22 41.29	− 4 42.9	2.132	1.674	26.6	21.3	50 E	34*	28*
1 21	23 6.37	− 2 22.8	2.185	1.663	25.3	21.3	46 E	34*	25*

450807 2007 UC_9

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 26	20 15.47	−43 55.3	3.345	4.013	11.9	21.5	125 W	1*	72
6 5	20 13.58	−44 54.9	3.222	3.988	10.7	21.3	133 W	—	71
6 15	20 9.34	−45 54.0	3.117	3.961	9.2	21.2	141 W	—	70
6 25	20 2.89	−46 48.1	3.035	3.935	7.8	21.0	148 W	—	69
7 5	19 54.60	−47 32.5	2.977	3.909	6.9	20.9	153 W	—	68
7 15	19 45.09	−48 2.6	2.946	3.882	6.7	20.9	153 W	—	68
7 25	19 35.22	−48 15.3	2.940	3.855	7.5	20.9	150 E	—	68
8 4	19 25.92	−48 9.9	2.959	3.828	8.9	21.0	144 E	—	68
8 14	19 18.07	−47 47.3	3.002	3.800	10.6	21.1	136 E	—	68
8 24	19 12.32	−47 10.6	3.065	3.773	12.2	21.1	128 E	—	69
9 3	19 9.04	−46 23.1	3.145	3.745	13.6	21.2	119 E	—	70
9 13	19 8.35	−45 28.1	3.237	3.717	14.6	21.3	111 E	—	71
9 23	19 10.19	−44 28.5	3.339	3.689	15.4	21.4	103 E	1	72
10 3	19 14.35	−43 26.2	3.447	3.661	15.8	21.5	94 E	2	73

7088 Ishtar

5 26	20 17.06	−19 57.3	2.060	2.744	18.1	21.4	123 W	25*	84
6 5	20 14.58	−20 27.4	1.942	2.737	15.7	21.2	133 W	25	84
6 15	20 9.16	−21 8.6	1.841	2.729	12.7	21.0	144 W	24	85
6 25	20 0.93	−21 58.8	1.761	2.719	8.9	20.7	155 W	23	86
7 5	19 50.32	−22 54.1	1.706	2.708	4.7	20.4	168 W	22	87
7 10	19 44.36	−23 22.2	1.689	2.702	2.4	20.3	174 W	22	87
7 15	19 38.15	−23 49.6	1.679	2.695	0.9	20.1	178 W	21	88
7 20	19 31.85	−24 15.7	1.676	2.688	2.6	20.2	173 E	21	88
7 25	19 25.63	−24 40.0	1.681	2.681	4.8	20.4	167 E	20	89
7 30	19 19.63	−25 2.0	1.693	2.673	7.1	20.5	161 E	20	89
8 4	19 14.02	−25 21.6	1.711	2.665	9.3	20.6	155 E	20	89
8 9	19 8.92	−25 38.7	1.735	2.656	11.3	20.7	149 E	19	90
8 14	19 4.46	−25 53.3	1.766	2.648	13.2	20.8	143 E	19	90
8 19	19 0.72	−26 5.4	1.802	2.638	15.0	20.9	138 E	19	90
8 24	18 57.75	−26 15.3	1.842	2.629	16.6	21.0	132 E	19	90
8 29	18 55.58	−26 23.2	1.886	2.619	18.0	21.1	127 E	19	90
9 3	18 54.22	−26 29.2	1.934	2.608	19.2	21.2	122 E	19	90
9 8	18 53.67	−26 33.6	1.984	2.597	20.3	21.3	117 E	18	89
9 13	18 53.92	−26 36.5	2.037	2.586	21.2	21.3	112 E	18	89
9 18	18 54.94	−26 37.9	2.091	2.575	21.9	21.4	107 E	18	89
9 23	18 56.68	−26 38.1	2.147	2.563	22.5	21.5	103 E	18	89

288860 2004 RQ_{222}

5 26	20 19.72	+10 13.9	2.268	2.801	19.7	21.4	111 W	55*	54
6 5	20 18.94	+11 31.5	2.149	2.785	18.6	21.2	119 W	57	52
6 15	20 15.77	+12 35.1	2.042	2.769	17.2	21.1	126 W	58	51
6 25	20 10.29	+13 19.1	1.950	2.752	15.5	20.9	134 W	58	51
7 5	20 2.79	+13 38.0	1.875	2.733	13.8	20.7	140 W	59	50
7 15	19 53.81	+13 27.2	1.820	2.714	12.5	20.6	145 W	58	51
7 25	19 44.20	+12 44.7	1.788	2.694	12.0	20.5	147 E	58	51
8 4	19 34.91	+11 32.1	1.779	2.673	12.6	20.5	145 E	57	52
8 14	19 26.90	+ 9 54.1	1.793	2.652	14.2	20.6	140 E	55	54
8 24	19 20.96	+ 7 58.6	1.829	2.629	16.2	20.7	134 E	53	56
9 3	19 17.56	+ 5 53.8	1.883	2.606	18.3	20.8	126 E	51	58
9 13	19 16.93	+ 3 47.5	1.953	2.582	20.2	20.9	118 E	49	60
9 23	19 19.08	+ 1 46.2	2.035	2.557	21.7	21.0	110 E	47	62
10 3	19 23.82	− 0 5.9	2.126	2.531	22.8	21.1	102 E	45	64
10 13	19 30.96	− 1 45.7	2.222	2.505	23.4	21.2	94 E	43	65*
10 23	19 40.23	− 3 11.3	2.321	2.477	23.6	21.3	87 E	42	63*
11 2	19 51.35	− 4 21.9	2.419	2.450	23.5	21.4	80 E	41*	59*
11 12	20 4.10	− 5 17.3	2.515	2.421	23.0	21.4	73 E	39*	53*
11 22	20 18.22	− 5 57.3	2.607	2.392	22.3	21.4	67 E	38*	47*
12 2	20 33.52	− 6 22.3	2.693	2.362	21.2	21.5	60 E	37*	40*
12 12	20 49.83	− 6 33.0	2.772	2.332	20.0	21.5	54 E	35*	33*
12 22	21 6.98	− 6 30.0	2.842	2.301	18.5	21.4	48 E	33*	27*
1 1	21 24.84	− 6 14.1	2.903	2.270	16.9	21.4	42 E	30*	21*
1 11	21 43.30	− 5 46.3	2.953	2.239	15.1	21.3	36 E	27*	16*
1 21	22 2.27	− 5 7.7	2.993	2.207	13.2	21.3	31 E	23*	11*

6318 Cronkite

5 26	20 27.11	−38 36.7	2.753	3.412	14.4	21.5	123 W	6*	77
6 5	20 25.02	−40 9.5	2.624	3.388	12.9	21.3	132 W	5	76
6 15	20 20.07	−41 48.2	2.514	3.363	11.0	21.1	141 W	3	74
6 25	20 12.23	−43 27.1	2.427	3.337	9.1	21.0	149 W	2	73
7 5	20 1.73	−44 58.8	2.365	3.309	7.7	20.8	154 W	—	71
7 15	19 49.22	−46 15.6	2.331	3.281	7.5	20.8	155 W	—	70
7 25	19 35.78	−47 10.9	2.324	3.252	8.6	20.8	151 E	—	69
8 4	19 22.73	−47 42.0	2.344	3.221	10.6	20.9	144 E	—	68
8 14	19 11.36	−47 49.5	2.387	3.190	12.9	21.0	135 E	—	68
8 24	19 2.71	−47 37.1	2.451	3.157	14.9	21.1	126 E	—	68
9 3	18 57.31	−47 10.1	2.529	3.123	16.7	21.2	117 E	—	69
9 13	18 55.34	−46 33.3	2.619	3.088	18.0	21.3	108 E	—	69
9 23	18 56.70	−45 50.7	2.715	3.053	18.9	21.4	100 E	—	70
10 3	19 1.08	−45 4.5	2.814	3.015	19.4	21.4	92 E	—	71*
10 13	19 8.15	−44 16.1	2.913	2.977	19.5	21.5	84 E	1*	69*

153452 2001 QQ_{286}

5 26	20 35.97	+12 3.7	2.597	3.051	18.5	21.4	107 W	56*	52
6 5	20 36.06	+13 17.9	2.460	3.024	17.8	21.3	114 W	58*	51
6 15	20 34.01	+14 20.6	2.332	2.996	16.7	21.1	122 W	59	50
6 25	20 29.79	+15 6.6	2.217	2.967	15.4	20.9	129 W	60	49
7 5	20 23.56	+15 31.0	2.119	2.937	13.9	20.8	136 W	61	48
7 15	20 15.67	+15 28.8	2.040	2.907	12.5	20.6	142 W	60	49
7 25	20 6.76	+14 56.8	1.982	2.876	11.6	20.5	145 E	60	49
8 4	19 57.63	+13 54.5	1.948	2.843	11.6	20.4	146 E	59	50
8 9	19 53.26	+13 12.7	1.940	2.827	12.0	20.4	145 E	58	51
8 14	19 49.18	+12 24.7	1.937	2.811	12.6	20.4	143 E	57	52
8 19	19 45.49	+11 31.3	1.941	2.794	13.4	20.4	140 E	57	52
8 24	19 42.27	+10 33.4	1.950	2.777	14.4	20.5	137 E	56	53
8 29	19 39.58	+ 9 32.1	1.964	2.760	15.4	20.5	134 E	55	54
9 3	19 37.50	+ 8 28.4	1.983	2.742	16.4	20.6	130 E	53	56
9 8	19 36.04	+ 7 23.2	2.007	2.725	17.4	20.6	126 E	52	57
9 13	19 35.26	+ 6 17.7	2.035	2.707	18.4	20.7	122 E	51	58
9 18	19 35.15	+ 5 12.5	2.067	2.689	19.3	20.7	118 E	50	59
9 23	19 35.71	+ 4 8.6	2.102	2.671	20.1	20.7	114 E	49	60
9 28	19 36.92	+ 3 6.5	2.139	2.653	20.8	20.8	110 E	48	61
10 3	19 38.78	+ 2 6.7	2.179	2.635	21.4	20.8	106 E	47	62
10 8	19 41.27	+ 1 9.7	2.220	2.616	21.9	20.9	102 E	46	63
10 13	19 44.35	+ 0 15.8	2.264	2.597	22.4	20.9	98 E	45	64*
10 18	19 47.99	− 0 34.6	2.308	2.579	22.7	21.0	94 E	44	64*
10 23	19 52.17	− 1 21.4	2.352	2.559	22.9	21.0	90 E	44	63*
10 28	19 56.86	− 2 4.4	2.398	2.540	23.0	21.0	87 E	43	61*
11 2	20 2.01	− 2 43.6	2.443	2.521	23.0	21.0	83 E	42*	59*
11 7	20 7.62	− 3 18.9	2.487	2.502	22.9	21.1	79 E	42*	57*
11 12	20 13.64	− 3 50.2	2.531	2.482	22.8	21.1	76 E	41*	54*
11 17	20 20.05	− 4 17.6	2.574	2.462	22.5	21.1	72 E	40*	51*
11 22	20 26.82	− 4 41.1	2.616	2.442	22.2	21.1	69 E	40*	48*
11 27	20 33.92	− 5 0.8	2.657	2.423	21.8	21.1	66 E	39*	44*
12 2	20 41.33	− 5 16.6	2.696	2.402	21.3	21.1	62 E	38*	41*
12 7	20 49.03	− 5 28.7	2.733	2.382	20.8	21.1	59 E	37*	38*
12 12	20 57.01	− 5 37.2	2.768	2.362	20.2	21.1	56 E	36*	34*
12 17	21 5.23	− 5 42.0	2.801	2.342	19.6	21.1	53 E	35*	31*
12 22	21 13.67	− 5 43.5	2.832	2.322	18.9	21.1	50 E	34*	28*
12 27	21 22.33	− 5 41.6	2.861	2.301	18.1	21.0	47 E	33*	25*
1 1	21 31.20	− 5 36.5	2.887	2.281	17.3	21.0	44 E	31*	22*
1 6	21 40.24	− 5 28.3	2.911	2.260	16.5	21.0	41 E	30*	20*
1 11	21 49.47	− 5 17.1	2.932	2.240	15.7	20.9	38 E	28*	17*
1 16	21 58.85	− 5 3.1	2.951	2.219	14.8	20.9	35 E	26*	15*
1 21	22 8.38	− 4 46.4	2.966	2.199	13.8	20.9	32 E	24*	13*

447172 2005 NQ_{76}

5 26	20 39.36	−11 51.0	1.049	1.743	31.7	21.3	115 W	32*	76
6 5	20 50.57	−11 5.2	0.957	1.726	29.9	21.0	122 W	34*	75
6 15	20 59.06	−10 34.6	0.874	1.710	27.3	20.7	129 W	34	75
6 25	21 4.46	−10 25.0	0.802	1.697	23.8	20.4	138 W	35	74
7 5	21 6.48	−10 41.1	0.741	1.685	19.4	20.1	147 W	34	75
7 15	21 5.06	−11 26.0	0.694	1.676	13.9	19.7	157 W	34	75
7 25	21 0.76	−12 37.7	0.664	1.670	7.7	19.4	167 W	32	77
7 30	20 57.85	−13 21.4	0.655	1.667	4.4	19.2	173 W	32	77
8 4	20 54.68	−14 8.5	0.651	1.665	1.9	19.0	177 E	31	78
8 9	20 51.48	−14 57.4	0.652	1.664	3.5	19.1	174 E	30	79
8 14	20 48.49	−15 46.1	0.658	1.664	6.7	19.3	169 E	29	80
8 19	20 45.94	−16 33.0	0.668	1.664	10.0	19.5	163 E	28	81
8 24	20 44.03	−17 16.5	0.683	1.664	13.1	19.6	158 E	28	81
8 29	20 42.89	−17 55.6	0.702	1.666	16.1	19.8	153 E	27	82
9 3	20 42.62	−18 29.4	0.725	1.667	18.8	20.0	148 E	27	82
9 13	20 44.98	−19 18.9	0.782	1.673	23.6	20.3	138 E	26	83
9 23	20 51.19	−19 43.0	0.851	1.681	27.3	20.6	130 E	25	84
10 3	21 0.82	−19 42.6	0.931	1.692	30.0	20.9	122 E	25	84
10 13	21 13.33	−19 19.1	1.020	1.704	32.0	21.2	115 E	26	83
10 23	21 28.11	−18 34.7	1.115	1.719	33.2	21.4	109 E	26	83

373825 2002 XD_{12}

5 26	20 43.53	−15 36.8	1.571	2.206	24.5	21.4	116 W	29*	80
6 5	20 45.91	−14 34.0	1.450	2.188	22.5	21.2	124 W	30*	79
6 15	20 45.09	−13 36.9	1.339	2.169	19.8	20.9	134 W	31	78
6 25	20 40.83	−12 47.1	1.243	2.149	16.2	20.6	144 W	32	77
7 5	20 33.16	−12 6.1	1.165	2.128	11.8	20.3	155 W	33	76
7 15	20 22.54	−11 35.1	1.108	2.107	7.1	20.0	165 W	33	76
7 25	20 10.08	−11 14.0	1.075	2.085	4.2	19.7	171 E	34	75
7 30	20 3.63	−11 7.0	1.068	2.074	5.3	19.8	169 E	34	75
8 4	19 57.31	−11 2.1	1.067	2.063	7.6	19.9	164 E	34	75
8 9	19 51.35	−10 59.1	1.072	2.051	10.2	20.0	159 E	34	75
8 14	19 45.95	−10 57.7	1.082	2.039	12.8	20.1	153 E	34	75

373825 2002 XD_{12} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
8 24	19 37.46	−10 58.7	1.119	2.016	17.9	20.3	142 E	34	75
9 3	19 32.66	−11 2.2	1.172	1.992	22.2	20.5	132 E	34	75
9 13	19 31.87	−11 5.8	1.237	1.967	25.7	20.7	122 E	34	75
9 23	19 34.99	−11 6.5	1.312	1.942	28.3	20.9	113 E	34	75
10 3	19 41.61	−11 2.1	1.392	1.917	30.2	21.0	105 E	34	75
10 13	19 51.35	−10 50.2	1.474	1.892	31.5	21.2	98 E	34	75*
10 23	20 3.73	−10 29.1	1.557	1.867	32.2	21.3	91 E	35	72*
11 2	20 18.34	− 9 57.3	1.639	1.843	32.5	21.4	85 E	35	67*
11 12	20 34.84	− 9 13.6	1.719	1.818	32.4	21.4	79 E	36	61*
11 22	20 52.91	− 8 17.4	1.796	1.794	31.9	21.5	74 E	37*	55*

283460 2001 PD_1

5	26	21 2.65	−16 48.5	1.205	1.836	30.9	21.3	111 W	27*	81
6	5	21 15.81	−15 6.6	1.063	1.777	30.4	21.0	118 W	29*	79
6	15	21 27.56	−13 15.1	0.930	1.717	29.4	20.6	124 W	32*	77
6	25	21 37.62	−11 13.1	0.808	1.658	27.9	20.2	130 W	34	75
7	5	21 45.66	− 8 58.9	0.697	1.600	25.6	19.7	137 W	36	73
7	15	21 51.27	− 6 31.0	0.599	1.543	22.6	19.2	144 W	38	71
7	25	21 54.12	− 3 47.9	0.514	1.487	19.0	18.7	151 W	41	68
8	4	21 54.05	− 0 49.1	0.442	1.434	15.2	18.2	158 W	44	65
8	14	21 51.26	+ 2 22.2	0.385	1.385	12.6	17.7	163 W	47	62
8	19	21 49.15	+ 4 0.5	0.361	1.362	12.5	17.5	163 E	49	60
8	24	21 46.81	+ 5 39.2	0.341	1.339	13.4	17.4	162 E	51	58
8	29	21 44.49	+ 7 16.5	0.324	1.319	15.3	17.3	160 E	52	57
9	3	21 42.47	+ 8 50.8	0.310	1.299	17.8	17.3	157 E	54	55
9	8	21 41.08	+10 20.5	0.299	1.282	20.6	17.2	153 E	55	54
9	13	21 40.69	+11 44.4	0.290	1.266	23.4	17.2	150 E	57	52
9	18	21 41.61	+13 2.0	0.283	1.251	26.2	17.2	147 E	58	51
9	23	21 44.07	+14 12.8	0.279	1.239	28.7	17.3	144 E	59	50
10	3	21 54.26	+16 13.1	0.275	1.221	32.9	17.3	138 E	61	48
10	13	22 12.06	+17 44.8	0.278	1.211	35.6	17.4	135 E	63	46
10	23	22 37.04	+18 50.8	0.289	1.211	36.9	17.5	133 E	64	45
10	28	22 51.75	+19 14.3	0.297	1.214	37.2	17.6	132 E	64	45
11	2	23 7.58	+19 31.6	0.307	1.219	37.3	17.7	132 E	65	44
11	7	23 24.29	+19 43.5	0.320	1.227	37.2	17.8	132 E	65	44
11	12	23 41.57	+19 50.8	0.336	1.237	37.0	17.9	131 E	65	44
11	17	23 59.12	+19 54.6	0.354	1.249	36.8	18.0	131 E	65	44
11	22	0 16.68	+19 55.7	0.375	1.263	36.7	18.2	130 E	65	44
11	27	0 34.03	+19 55.1	0.400	1.279	36.6	18.3	129 E	65	44
12	2	0 51.03	+19 53.5	0.427	1.296	36.5	18.5	129 E	65	44
12	7	1 7.59	+19 52.1	0.458	1.315	36.5	18.7	127 E	65	44
12	12	1 23.67	+19 51.7	0.492	1.336	36.5	18.9	126 E	65	44
12	17	1 39.23	+19 52.5	0.529	1.358	36.5	19.1	125 E	65	44
12	22	1 54.26	+19 54.8	0.570	1.381	36.6	19.3	123 E	65	44
12	27	2 8.79	+19 58.6	0.614	1.405	36.7	19.5	121 E	65	44
1	1	2 22.86	+20 3.9	0.660	1.430	36.7	19.7	120 E	65	44
1	6	2 36.53	+20 10.6	0.710	1.456	36.7	19.9	118 E	65	44
1	11	2 49.83	+20 18.5	0.763	1.483	36.7	20.1	116 E	65	44
1	16	3 2.80	+20 27.5	0.818	1.510	36.7	20.2	114 E	65	44
1	21	3 15.48	+20 37.0	0.877	1.538	36.6	20.4	111 E	66	43*

528792 2009 BO_{37}

5	26	21 9.78	−33 16.3	1.609	2.220	24.7	21.3	114 W	10*	83
5	31	21 12.32	−33 1.1	1.537	2.200	24.1	21.2	118 W	11*	83
6	5	21 14.04	−32 46.5	1.468	2.181	23.3	21.0	122 W	12*	83
6	10	21 14.85	−32 32.2	1.401	2.162	22.3	20.9	126 W	12*	83
6	15	21 14.69	−32 17.9	1.336	2.142	21.1	20.7	131 W	13*	84
6	20	21 13.49	−32 3.1	1.275	2.123	19.6	20.6	135 W	13	84
6	25	21 11.19	−31 47.2	1.218	2.103	18.0	20.4	140 W	13	84
6	30	21 7.76	−31 29.4	1.165	2.083	16.1	20.2	145 W	14	85
7	5	21 3.18	−31 8.6	1.116	2.063	14.0	20.0	151 W	14	85
7	10	20 57.48	−30 43.8	1.072	2.043	11.7	19.8	156 W	14	85
7	15	20 50.75	−30 13.7	1.034	2.023	9.3	19.6	161 W	15	86
7	20	20 43.14	−29 37.2	1.002	2.003	6.9	19.4	166 W	15	86
7	25	20 34.88	−28 53.5	0.975	1.984	5.1	19.3	170 W	16	87
7	30	20 26.23	−28 2.1	0.956	1.964	5.0	19.2	170 E	17	88
8	4	20 17.48	−27 3.2	0.942	1.944	6.8	19.2	167 E	18	89
8	9	20 8.97	−25 57.3	0.935	1.924	9.6	19.3	162 E	19	90
8	14	20 1.02	−24 45.6	0.935	1.904	12.6	19.4	156 E	20	89
8	19	19 53.89	−23 29.5	0.940	1.885	15.6	19.5	150 E	22	87
8	24	19 47.79	−22 10.7	0.950	1.866	18.6	19.6	144 E	23	86
8	29	19 42.84	−20 50.7	0.966	1.846	21.3	19.7	138 E	24	85
9	3	19 39.13	−19 30.9	0.985	1.827	23.9	19.8	133 E	25	84
9	8	19 36.68	−18 12.1	1.008	1.809	26.2	19.9	128 E	27	82
9	13	19 35.49	−16 55.2	1.034	1.790	28.3	20.0	123 E	28	81
9	23	19 36.65	−14 27.9	1.093	1.754	31.7	20.2	113 E	31	78
10	3	19 42.04	−12 8.9	1.158	1.719	34.2	20.3	105 E	33	76
10	13	19 51.08	− 9 55.8	1.225	1.686	35.9	20.4	98 E	35	74*
10	23	20 3.18	− 7 45.3	1.293	1.655	36.9	20.5	92 E	37	70*

528792 2009 BO_{37} *(continuation)*

11	2	20 17.84	− 5 34.3	1.359	1.627	37.5	20.6	86 E	39	64*
11	12	20 34.70	− 3 19.8	1.422	1.601	37.6	20.7	81 E	42	57*
11	22	20 53.43	− 0 59.7	1.483	1.578	37.5	20.8	76 E	44*	51*
12	2	21 13.80	+ 1 27.3	1.540	1.558	37.1	20.8	72 E	46*	44*
12	12	21 35.65	+ 4 1.9	1.595	1.542	36.5	20.8	69 E	48*	37*
12	22	21 58.85	+ 6 43.8	1.647	1.530	35.8	20.9	66 E	50*	31*
1	1	22 23.31	+ 9 32.0	1.698	1.522	35.0	20.9	63 E	51*	26*
1	11	22 49.02	+12 24.8	1.748	1.517	34.1	20.9	60 E	51*	21*
1	21	23 15.92	+15 19.5	1.799	1.518	33.2	21.0	58 E	50*	17*

396626 2001 TX_{236}

5	26	21 20.88	−16 59.0	1.225	1.807	32.3	21.5	107 W	25*	81
6	5	21 35.69	−16 17.6	1.117	1.782	31.5	21.2	113 W	27*	80
6	15	21 48.63	−15 46.5	1.016	1.758	30.1	21.0	120 W	29*	80
6	25	21 59.29	−15 29.4	0.924	1.736	28.0	20.7	127 W	29*	79
7	5	22 7.24	−15 29.9	0.842	1.716	25.0	20.4	134 W	30	79
7	15	22 11.98	−15 50.8	0.772	1.698	21.1	20.0	143 W	29	80
7	25	22 13.24	−16 31.9	0.715	1.682	16.3	19.7	152 W	28	81
7	30	22 12.57	−16 58.8	0.692	1.675	13.6	19.5	157 W	28	81
8	4	22 11.08	−17 29.0	0.674	1.669	10.8	19.3	162 W	28	81
8	9	22 8.86	−18 1.0	0.659	1.663	7.9	19.2	167 W	27	82
8	14	22 6.09	−18 33.2	0.649	1.658	5.3	19.0	171 W	26	83
8	19	22 2.97	−19 3.9	0.644	1.654	4.1	18.9	173 W	26	83
8	24	21 59.72	−19 31.5	0.644	1.650	5.4	19.0	171 E	25	84
8	29	21 56.56	−19 54.4	0.647	1.647	8.0	19.1	167 E	25	84
9	3	21 53.74	−20 11.6	0.656	1.645	11.0	19.3	162 E	25	84
9	8	21 51.46	−20 22.2	0.669	1.643	14.0	19.4	157 E	25	84
9	13	21 49.92	−20 25.6	0.685	1.643	16.8	19.6	152 E	25	84
9	23	21 49.50	−20 10.9	0.730	1.643	21.9	19.9	142 E	25	84
10	3	21 52.87	−19 29.5	0.788	1.647	26.1	20.2	134 E	26	83
10	13	21 59.90	−18 24.6	0.858	1.654	29.3	20.4	126 E	27	82
10	18	22 4.66	−17 44.6	0.896	1.658	30.5	20.6	122 E	27	82
10	23	22 10.12	−17 0.0	0.936	1.663	31.6	20.7	119 E	28	81
10	28	22 16.23	−16 11.5	0.979	1.668	32.5	20.8	116 E	29	80
11	2	22 22.90	−15 19.3	1.023	1.675	33.2	21.0	112 E	30	79
11	7	22 30.07	−14 23.7	1.070	1.682	33.8	21.1	109 E	31	78
11	12	22 37.69	−13 25.0	1.118	1.689	34.2	21.2	106 E	32	77
11	17	22 45.68	−12 23.7	1.167	1.697	34.5	21.3	104 E	33	76
11	22	22 53.99	−11 19.9	1.218	1.706	34.7	21.4	101 E	34	75*

452415 2002 TL_{181}

5	26	21 24.60	−11 7.8	1.232	1.783	33.4	21.3	105 W	31*	75
6	5	21 38.78	− 9 32.1	1.128	1.761	32.7	21.1	110 W	33*	74
6	15	21 51.01	− 8 1.1	1.030	1.740	31.5	20.8	117 W	36*	72
6	25	22 0.90	− 6 38.9	0.940	1.722	29.6	20.5	123 W	38*	71
7	5	22 8.07	− 5 29.9	0.858	1.705	26.9	20.2	131 W	40	69
7	15	22 12.07	− 4 39.6	0.787	1.690	23.3	19.9	139 W	40	69
7	25	22 12.69	− 4 12.7	0.729	1.678	18.8	19.6	148 W	41	68
8	4	22 10.00	− 4 12.4	0.684	1.668	13.4	19.3	158 W	41	68
8	14	22 4.62	− 4 39.1	0.656	1.660	7.5	18.9	168 W	40	69
8	19	22 1.34	− 5 1.0	0.649	1.657	5.0	18.8	172 W	40	69
8	24	21 57.93	− 5 27.2	0.646	1.654	4.0	18.7	173 E	40	69
8	29	21 54.63	− 5 56.3	0.648	1.653	5.7	18.8	171 E	39	70
9	3	21 51.65	− 6 26.8	0.654	1.652	8.5	19.0	166 E	39	70
9	8	21 49.20	− 6 57.2	0.666	1.651	11.5	19.1	161 E	38	71
9	13	21 47.47	− 7 26.1	0.681	1.651	14.5	19.3	156 E	38	71
9	18	21 46.60	− 7 52.0	0.701	1.652	17.3	19.4	151 E	37	72
9	23	21 46.65	− 8 14.0	0.724	1.653	19.9	19.6	146 E	37	72
10	3	21 49.61	− 8 44.0	0.781	1.658	24.4	19.9	137 E	36	73
10	13	21 56.28	− 8 52.5	0.850	1.666	28.0	20.2	128 E	36	73
10	23	22 6.25	− 8 38.9	0.930	1.675	30.6	20.5	121 E	36	73
11	2	22 18.89	− 8 4.5	1.018	1.687	32.5	20.7	114 E	37	72
11	12	22 33.67	− 7 11.1	1.113	1.701	33.6	21.0	108 E	38	71
11	22	22 50.07	− 6 0.9	1.215	1.718	34.2	21.2	102 E	39	70*
12	2	23 7.68	− 4 36.6	1.322	1.736	34.4	21.4	96 E	40	67*

405216 2003 QL_{59}

5	26	21 24.63	−28 4.3	2.322	2.827	19.7	21.5	110 W	14*	88
6	5	21 27.92	−28 22.7	2.170	2.797	18.6	21.3	118 W	16*	88
6	15	21 28.66	−28 51.9	2.029	2.766	17.0	21.0	127 W	16*	87
6	25	21 26.56	−29 30.8	1.901	2.734	14.7	20.8	137 W	15	86
7	5	21 21.42	−30 16.7	1.792	2.701	11.9	20.5	147 W	15	86
7	15	21 13.25	−31 4.5	1.703	2.666	8.7	20.3	156 W	14	85
7	20	21 8.16	−31 26.9	1.668	2.649	7.2	20.2	161 W	14	85
7	25	21 2.51	−31 46.9	1.640	2.631	6.0	20.0	164 W	13	84
7	30	20 56.44	−32 3.7	1.618	2.614	5.5	20.0	166 W	13	84
8	4	20 50.10	−32 16.5	1.602	2.596	5.8	20.0	165 E	13	84

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
405216 2003 QL_{59} *(continuation)*									
8 9	20 43.66	−32 24.4	1.594	2.577	7.0	20.0	162 E	13	84
8 14	20 37.32	−32 27.1	1.592	2.559	8.6	20.0	158 E	13	84
8 19	20 31.27	−32 24.4	1.596	2.540	10.4	20.1	153 E	13	84
8 24	20 25.68	−32 16.3	1.607	2.521	12.3	20.2	148 E	13	84
8 29	20 20.70	−32 3.2	1.623	2.502	14.2	20.2	143 E	13	84
9 3	20 16.43	−31 45.5	1.644	2.483	16.0	20.3	137 E	13	84
9 8	20 12.97	−31 23.7	1.670	2.463	17.6	20.4	132 E	14	85
9 13	20 10.38	−30 58.3	1.700	2.443	19.2	20.5	127 E	14	85
9 23	20 7.91	−29 59.0	1.770	2.403	21.8	20.6	117 E	15	86
10 3	20 8.92	−28 50.9	1.849	2.362	23.7	20.7	108 E	16	87
10 13	20 13.18	−27 36.3	1.934	2.321	25.1	20.8	100 E	17	88
10 23	20 20.28	−26 16.0	2.020	2.279	25.9	20.9	92 E	19	86*
11 2	20 29.83	−24 50.1	2.106	2.236	26.2	21.0	84 E	20	77*
11 12	20 41.47	−23 18.1	2.188	2.193	26.1	21.0	77 E	22	69*
11 22	20 54.84	−21 39.2	2.266	2.149	25.7	21.0	71 E	23*	61*
12 2	21 9.67	−19 52.8	2.337	2.105	25.0	21.0	64 E	25*	53*
12 12	21 25.73	−17 58.1	2.401	2.061	24.0	21.0	58 E	26*	46*
12 22	21 42.81	−15 54.8	2.457	2.017	22.8	21.0	53 E	27*	39*
1 1	22 0.77	−13 42.4	2.504	1.974	21.5	20.9	47 E	27*	32*
1 11	22 19.51	−11 20.8	2.543	1.930	20.0	20.9	42 E	26*	26*
1 21	22 38.95	− 8 50.3	2.572	1.887	18.4	20.8	37 E	25*	21*
353938 1998 QR_{15}									
5 26	21 26.76	−22 57.0	1.350	1.919	30.2	21.5	108 W	19*	87
6 5	21 41.89	−21 35.7	1.194	1.850	30.2	21.1	113 W	22*	86
6 15	21 56.09	−20 5.3	1.046	1.780	29.8	20.7	119 W	24*	84
6 25	22 9.19	−18 23.2	0.909	1.711	29.0	20.3	125 W	26*	82
6 30	22 15.26	−17 26.6	0.844	1.677	28.3	20.1	128 W	28*	81
7 5	22 20.95	−16 25.5	0.782	1.644	27.6	19.9	132 W	29	80
7 10	22 26.22	−15 19.1	0.723	1.610	26.6	19.6	135 W	30	79
7 15	22 31.03	−14 6.3	0.668	1.578	25.5	19.4	138 W	31	78
7 20	22 35.35	−12 46.0	0.615	1.545	24.2	19.1	141 W	32	77
7 25	22 39.13	−11 16.8	0.566	1.514	22.7	18.9	145 W	34	75
7 30	22 42.34	− 9 37.1	0.521	1.484	21.1	18.6	148 W	35	74
8 4	22 44.93	− 7 45.3	0.478	1.454	19.3	18.3	152 W	37	72
8 9	22 46.86	− 5 39.7	0.440	1.425	17.3	18.0	155 W	39	70
8 14	22 48.14	− 3 18.7	0.405	1.398	15.3	17.7	159 W	42	67
8 19	22 48.82	− 0 41.0	0.374	1.372	13.5	17.4	162 W	44	65
8 24	22 48.95	+ 2 14.2	0.347	1.348	12.2	17.2	164 W	47	62
8 29	22 48.62	+ 5 26.3	0.324	1.325	11.9	17.0	164 W	50	59
9 3	22 47.97	+ 8 53.2	0.305	1.304	12.7	16.8	163 W	54	55
9 8	22 47.20	+12 31.2	0.290	1.285	14.7	16.8	161 E	58	51
9 13	22 46.60	+16 15.4	0.278	1.268	17.4	16.8	158 E	61	48
9 18	22 46.50	+19 59.8	0.270	1.254	20.4	16.8	154 E	65	44
9 23	22 47.19	+23 38.3	0.266	1.242	23.4	16.8	151 E	69	40
9 28	22 48.97	+27 4.7	0.264	1.232	26.2	16.9	147 E	72	37
10 3	22 52.11	+30 13.7	0.265	1.225	28.7	16.9	144 E	75	34
10 8	22 56.86	+33 1.6	0.269	1.221	30.6	17.0	141 E	78	31
10 13	23 3.43	+35 26.3	0.275	1.220	32.1	17.1	140 E	80	29
10 23	23 22.13	+39 3.9	0.293	1.226	33.6	17.3	137 E	84	25
11 2	23 47.37	+41 5.6	0.318	1.242	33.5	17.5	136 E	86	23
11 12	0 17.22	+41 40.9	0.352	1.268	32.6	17.7	136 E	87	22
11 17	0 33.08	+41 31.9	0.373	1.285	32.0	17.9	136 E	87	22
11 22	0 49.13	+41 8.8	0.397	1.304	31.4	18.0	136 E	86	23
11 27	1 5.10	+40 34.4	0.423	1.325	31.0	18.2	136 E	86	23
12 2	1 20.80	+39 51.5	0.453	1.348	30.7	18.3	136 E	85	24
12 7	1 36.13	+39 3.1	0.485	1.372	30.5	18.5	135 E	84	25
12 12	1 51.03	+38 11.8	0.522	1.398	30.4	18.7	134 E	83	26
12 17	2 5.45	+37 19.8	0.561	1.426	30.5	18.9	133 E	82	27
12 22	2 19.39	+36 28.4	0.604	1.454	30.6	19.1	131 E	81	28
12 27	2 32.85	+35 38.9	0.651	1.484	30.9	19.3	129 E	81	28
1 1	2 45.88	+34 52.0	0.701	1.514	31.1	19.6	127 E	80	29
1 6	2 58.54	+34 8.2	0.755	1.546	31.4	19.8	125 E	79	30
1 11	3 10.87	+33 27.8	0.812	1.578	31.6	20.0	123 E	78	31
1 16	3 22.90	+32 50.8	0.872	1.611	31.8	20.2	120 E	78	31
1 21	3 34.66	+32 17.0	0.936	1.644	32.0	20.4	118 E	77	32
394000 2005 UG_{512}									
5 26	21 39.21	−16 0.2	1.286	1.805	33.2	21.3	103 W	25*	80
6 5	21 55.16	−15 7.5	1.177	1.782	32.7	21.1	109 W	27*	79
6 15	22 9.46	−14 23.4	1.075	1.759	31.7	20.8	115 W	29*	78
6 25	22 21.75	−13 51.9	0.980	1.739	30.0	20.6	121 W	31*	78
7 5	22 31.63	−13 36.5	0.894	1.720	27.7	20.3	128 W	31	78
7 15	22 38.56	−13 40.7	0.818	1.703	24.4	20.0	136 W	31	78
7 25	22 42.14	−14 5.8	0.753	1.689	20.2	19.6	145 W	31	78
8 4	22 42.13	−14 50.5	0.703	1.676	15.2	19.3	154 W	30	79
8 9	22 40.80	−15 18.6	0.683	1.671	12.3	19.1	159 W	30	79
8 14	22 38.70	−15 48.8	0.668	1.666	9.4	19.0	164 W	29	80

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
394000 2005 UG_{512} *(continuation)*									
8 19	22 35.97	−16 19.8	0.657	1.662	6.7	18.8	169 W	29	80
8 24	22 32.78	−16 49.6	0.651	1.659	4.7	18.7	172 W	28	81
8 29	22 29.36	−17 16.8	0.650	1.656	4.8	18.7	172 E	28	81
9 3	22 25.91	−17 39.8	0.653	1.654	6.9	18.8	169 E	27	82
9 8	22 22.69	−17 57.1	0.661	1.653	9.7	18.9	164 E	27	82
9 13	22 19.94	−18 7.9	0.673	1.652	12.7	19.1	159 E	27	82
9 18	22 17.86	−18 11.4	0.689	1.652	15.6	19.2	154 E	27	82
9 23	22 16.58	−18 7.6	0.710	1.652	18.3	19.4	149 E	27	82
10 3	22 16.71	−17 38.6	0.761	1.656	23.1	19.7	140 E	27	82
10 13	22 20.61	−16 43.7	0.826	1.661	26.9	20.0	131 E	28	81
10 23	22 28.02	−15 26.8	0.901	1.670	29.8	20.3	123 E	30	79
10 28	22 32.87	−14 41.5	0.942	1.675	31.0	20.4	120 E	30	79
11 2	22 38.39	−13 52.1	0.986	1.681	31.9	20.6	116 E	31	78
11 7	22 44.50	−12 59.1	1.031	1.687	32.7	20.7	113 E	32	77
11 12	22 51.16	−12 2.8	1.078	1.694	33.3	20.8	110 E	33	76
11 17	22 58.29	−11 3.6	1.126	1.702	33.8	20.9	107 E	34	75
11 22	23 5.82	−10 1.9	1.177	1.710	34.1	21.0	104 E	35	74
11 27	23 13.70	− 8 58.1	1.228	1.718	34.3	21.1	101 E	36	73*
12 2	23 21.90	− 7 52.3	1.281	1.727	34.4	21.2	98 E	37	71*
12 7	23 30.37	− 6 44.8	1.335	1.737	34.4	21.4	96 E	38	68*
12 12	23 39.08	− 5 35.9	1.391	1.747	34.3	21.4	93 E	39	66*
449107 2012 VJ_{82}									
5 26	21 45.53	− 2 46.9	0.739	1.324	49.4	21.5	97 W	37*	67
6 5	21 46.08	+ 1 7.4	0.715	1.382	45.3	21.4	105 W	43*	63
6 15	21 41.55	+ 4 44.7	0.691	1.437	40.5	21.3	113 W	49*	59
6 25	21 31.50	+ 7 55.2	0.670	1.489	35.1	21.1	123 W	53	56
7 5	21 16.04	+10 25.4	0.658	1.539	29.3	21.0	132 W	55	54
7 15	20 56.26	+11 59.6	0.659	1.585	23.7	20.9	141 W	57	52
7 25	20 34.60	+12 27.7	0.677	1.628	19.6	20.9	148 W	57	52
8 4	20 14.11	+11 52.5	0.714	1.668	18.2	21.0	149 E	57	52
8 14	19 57.39	+10 29.1	0.770	1.704	19.7	21.3	145 E	55	54
8 24	19 45.91	+ 8 38.9	0.844	1.737	22.6	21.6	139 E	54	55
524604 2003 QZ_{46}									
5 26	21 51.63	−13 20.4	1.395	1.850	32.7	21.3	99 W	26*	77
6 5	22 7.14	−11 31.3	1.278	1.821	32.6	21.1	105 W	29*	76
6 15	22 21.13	− 9 41.7	1.167	1.793	32.1	20.9	110 W	33*	74
6 25	22 33.30	− 7 53.9	1.064	1.768	31.0	20.6	116 W	36*	72
7 5	22 43.30	− 6 10.4	0.968	1.744	29.3	20.3	123 W	39*	70
7 15	22 50.65	− 4 34.7	0.882	1.723	26.8	20.0	130 W	40	69
7 25	22 54.94	− 3 10.3	0.807	1.704	23.5	19.7	138 W	42	67
8 4	22 55.87	− 2 1.0	0.744	1.687	19.2	19.4	147 W	43	66
8 14	22 53.40	− 1 10.5	0.696	1.674	14.1	19.0	156 W	44	65
8 24	22 48.11	− 0 40.6	0.664	1.663	8.4	18.7	166 W	44	65
9 3	22 41.22	− 0 30.1	0.650	1.656	4.5	18.5	173 E	45	64
9 8	22 37.69	− 0 30.8	0.650	1.653	5.3	18.5	171 E	44	65
9 13	22 34.42	− 0 34.3	0.655	1.651	7.7	18.6	167 E	44	65
9 18	22 31.66	− 0 39.3	0.664	1.650	10.6	18.8	162 E	44	65
9 23	22 29.57	− 0 44.8	0.678	1.650	13.5	18.9	157 E	44	65
9 28	22 28.28	− 0 49.7	0.695	1.651	16.3	19.1	153 E	44	65
10 3	22 27.89	− 0 53.2	0.717	1.652	18.9	19.2	148 E	44	65
10 8	22 28.46	− 0 54.3	0.742	1.654	21.3	19.4	143 E	44	65
10 13	22 30.01	− 0 52.5	0.771	1.657	23.4	19.5	139 E	44	65
10 23	22 35.94	− 0 37.9	0.838	1.666	27.1	19.8	130 E	44	65
11 2	22 45.21	− 0 7.8	0.916	1.677	29.8	20.1	123 E	45	64
11 12	22 57.31	+ 0 38.0	1.003	1.691	31.7	20.4	116 E	46	63
11 22	23 11.67	+ 1 38.7	1.099	1.708	33.0	20.7	110 E	47	62
12 2	23 27.77	+ 2 52.1	1.201	1.728	33.6	20.9	104 E	48	61*
12 12	23 45.24	+ 4 16.3	1.310	1.750	33.8	21.1	98 E	49	58*
12 22	0 3.73	+ 5 49.0	1.424	1.774	33.6	21.3	93 E	51	53*
37655 Illapa									
5 26	21 56.41	− 2 24.8	1.410	1.796	34.2	21.2	94 W	36*	66
6 5	22 11.25	− 1 3.0	1.214	1.709	35.8	20.8	100 W	39*	65
6 15	22 27.09	+ 0 21.3	1.021	1.615	37.4	20.4	105 W	42*	64
6 25	22 44.98	+ 1 48.8	0.832	1.515	39.2	19.9	110 W	45*	62
7 5	23 7.20	+ 3 22.6	0.650	1.408	41.5	19.2	113 W	48*	61
7 10	23 21.37	+ 4 13.8	0.561	1.351	43.2	18.9	115 W	49*	60
7 15	23 39.12	+ 5 9.9	0.476	1.292	45.5	18.5	115 W	50*	59
7 20	0 2.72	+ 6 13.7	0.395	1.231	49.0	18.1	114 W	51*	58
7 25	0 36.32	+ 7 28.6	0.319	1.167	54.5	17.6	111 W	52*	57
7 27	0 54.08	+ 8 2.1	0.291	1.141	57.6	17.5	108 W	52*	56
7 29	1 15.25	+ 8 36.9	0.265	1.115	61.5	17.3	105 W	53*	55
7 31	1 40.59	+ 9 11.7	0.242	1.088	66.3	17.2	101 W	52*	55
8 2	2 10.80	+ 9 43.5	0.222	1.061	72.2	17.2	96 W	51*	54
8 4	2 46.27	+10 7.4	0.206	1.033	79.2	17.2	89 W	49*	54

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
37655 Illapa									*(continuation)*
8 5	3 5.89	+10 14.4	0.200	1.019	83.1	17.3	86 W	47*	54
8 6	3 26.58	+10 16.9	0.196	1.005	87.3	17.3	82 W	45*	53*
8 7	3 48.10	+10 14.4	0.192	0.991	91.6	17.4	77 W	43*	53*
8 8	4 10.12	+10 6.4	0.191	0.976	96.0	17.6	73 W	40*	52*
8 9	4 32.29	+ 9 53.0	0.191	0.962	100.4	17.8	69 W	38*	50*
8 10	4 54.20	+ 9 34.5	0.193	0.947	104.7	18.0	65 W	35*	48*
8 11	5 15.52	+ 9 11.9	0.197	0.933	108.9	18.2	61 W	32*	46*
8 12	5 35.94	+ 8 46.1	0.202	0.918	112.8	18.5	57 W	29*	44*
8 13	5 55.23	+ 8 18.3	0.209	0.903	116.4	18.8	53 W	26*	41*
8 14	6 13.27	+ 7 49.6	0.217	0.888	119.7	19.0	50 W	24*	39*
8 15	6 29.99	+ 7 20.8	0.226	0.873	122.6	19.3	47 W	21*	37*
8 16	6 45.40	+ 6 52.8	0.237	0.858	125.2	19.6	44 W	19*	35*
8 17	6 59.54	+ 6 26.0	0.248	0.843	127.4	19.9	41 W	17*	33*
8 18	7 12.49	+ 6 0.8	0.260	0.827	129.3	20.1	39 W	16*	31*
8 19	7 24.34	+ 5 37.4	0.273	0.812	130.9	20.3	37 W	14*	29*
8 20	7 35.19	+ 5 15.9	0.287	0.796	132.2	20.5	36 W	13*	28*
8 21	7 45.14	+ 4 56.4	0.302	0.780	133.3	20.7	34 W	12*	27*
8 22	7 54.29	+ 4 38.7	0.317	0.765	134.2	20.9	33 W	11*	26*
8 23	8 2.71	+ 4 22.7	0.333	0.749	134.8	21.0	32 W	10*	25*
8 24	8 10.50	+ 4 8.6	0.349	0.733	135.2	21.1	31 W	10*	24*
8 26	8 24.45	+ 3 44.9	0.383	0.701	135.5	21.2	29 W	9*	22*
8 28	8 36.66	+ 3 27.0	0.419	0.669	135.1	21.3	28 W	8*	21*
8 30	8 47.53	+ 3 13.9	0.457	0.637	134.1	21.3	27 W	8*	20*
9 1	8 57.41	+ 3 5.2	0.497	0.604	132.5	21.2	26 W	8*	19*
9 3	9 6.56	+ 3 0.1	0.539	0.572	130.4	21.0	26 W	8*	19*
9 8	9 27.82	+ 2 59.9	0.653	0.495	122.1	20.4	25 W	9*	17*
9 13	9 49.15	+ 3 10.7	0.782	0.427	109.1	19.5	24 W	10*	15*
9 18	10 13.02	+ 3 21.7	0.924	0.379	90.9	18.7	22 W	11*	13*
9 23	10 40.55	+ 3 19.0	1.071	0.367	69.4	18.2	20 W	10*	10*
9 28	11 10.41	+ 2 53.3	1.210	0.394	49.7	18.0	17 W	9*	7*
10 3	11 40.05	+ 2 6.9	1.333	0.451	35.4	18.1	15 W	8*	4*
10 8	12 7.82	+ 1 8.1	1.441	0.523	26.3	18.4	13 W	7*	1*
10 13	12 33.26	+ 0 4.3	1.537	0.603	20.9	18.7	12 W	6*	—
10 18	12 56.47	− 0 59.8	1.625	0.683	17.7	19.0	12 W	6*	—
10 23	13 17.73	− 2 1.9	1.706	0.763	16.0	19.2	12 W	6*	—
10 28	13 37.31	− 3 0.5	1.781	0.841	15.0	19.5	13 W	7*	—
11 2	13 55.47	− 3 54.9	1.852	0.916	14.6	19.8	13 W	7*	—
11 12	14 28.30	− 5 30.3	1.979	1.059	14.5	20.2	16 W	10*	—
11 22	14 57.45	− 6 47.3	2.088	1.192	15.1	20.6	18 W	12*	—
12 2	15 23.77	− 7 47.1	2.179	1.314	16.1	21.0	22 W	15*	2*
12 12	15 47.78	− 8 30.6	2.251	1.429	17.4	21.3	26 W	19*	6*
401023 2011 SC_{51}									
5 26	21 58.03	−14 53.8	1.422	1.860	32.6	21.4	98 W	24*	79
6 5	22 13.11	−13 4.9	1.304	1.833	32.5	21.2	104 W	28*	77
6 15	22 26.57	−11 15.0	1.192	1.807	32.0	20.9	110 W	31*	75
6 25	22 38.09	− 9 26.1	1.087	1.782	30.9	20.7	116 W	34*	73
7 5	22 47.28	− 7 40.1	0.989	1.759	29.1	20.4	123 W	37*	72
7 15	22 53.66	− 5 59.8	0.901	1.738	26.6	20.1	130 W	39	70
7 25	22 56.80	− 4 27.9	0.823	1.719	23.2	19.8	138 W	41	68
8 4	22 56.37	− 3 7.3	0.758	1.702	18.8	19.4	147 W	42	67
8 14	22 52.34	− 2 1.5	0.708	1.688	13.5	19.1	157 W	43	66
8 24	22 45.36	− 1 12.4	0.675	1.675	7.9	18.7	167 W	44	65
9 3	22 36.75	− 0 39.9	0.661	1.666	4.5	18.5	172 E	44	65
9 13	22 28.36	− 0 21.4	0.665	1.659	8.6	18.7	166 E	45	64
9 18	22 24.88	− 0 15.3	0.675	1.657	11.5	18.8	161 E	45	64
9 23	22 22.14	− 0 10.3	0.688	1.655	14.5	19.0	156 E	45	64
9 28	22 20.29	− 0 5.5	0.706	1.654	17.3	19.1	151 E	45	64
10 3	22 19.40	− 0 0.1	0.728	1.654	19.9	19.3	146 E	45	64
10 8	22 19.55	+ 0 6.7	0.753	1.654	22.3	19.4	141 E	45	64
10 13	22 20.75	+ 0 15.6	0.782	1.656	24.5	19.6	137 E	45	64
10 23	22 26.14	+ 0 41.4	0.848	1.660	28.0	19.9	128 E	46	63
11 2	22 35.11	+ 1 19.6	0.924	1.667	30.7	20.2	121 E	46	63
11 12	22 47.10	+ 2 10.9	1.008	1.677	32.6	20.4	114 E	47	62
11 22	23 1.52	+ 3 15.2	1.100	1.690	33.8	20.7	108 E	48	61
12 2	23 17.83	+ 4 31.1	1.198	1.705	34.4	20.9	102 E	50	59*
12 12	23 35.63	+ 5 57.0	1.301	1.722	34.6	21.1	97 E	51	55*
12 22	23 54.58	+ 7 31.0	1.409	1.742	34.4	21.3	92 E	53	51*
1 1	0 14.41	+ 9 10.9	1.520	1.763	33.8	21.5	87 E	54	46*
528436 2008 TQ_{116}									
5 26	22 9.64	−16 23.8	1.305	1.735	35.5	21.4	96 W	22*	80
6 5	22 27.30	−14 18.7	1.203	1.715	35.5	21.2	101 W	25*	78
6 15	22 43.31	−12 10.7	1.106	1.697	35.1	21.0	106 W	29*	76
6 25	22 57.35	−10 1.9	1.015	1.680	34.2	20.8	112 W	33*	74
7 5	23 9.06	− 7 54.3	0.930	1.667	32.7	20.5	118 W	37*	72
7 15	23 17.92	− 5 50.5	0.853	1.655	30.4	20.3	124 W	39	70
7 25	23 23.44	− 3 53.4	0.784	1.647	27.3	20.0	132 W	41	68

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
528436 2008 TQ_{116}									*(continuation)*
8 4	23 25.18	− 2 5.9	0.726	1.641	23.2	19.7	140 W	43	66
8 14	23 22.89	− 0 32.0	0.681	1.637	18.2	19.4	150 W	44	65
8 24	23 16.94	+ 0 44.8	0.651	1.637	12.3	19.1	160 W	46	63
9 3	23 8.38	+ 1 42.3	0.638	1.640	6.6	18.8	169 W	47	62
9 13	22 58.99	+ 2 20.7	0.643	1.645	5.4	18.8	171 E	47	62
9 18	22 54.66	+ 2 34.2	0.653	1.649	7.6	18.9	167 E	48	61
9 23	22 50.88	+ 2 44.9	0.668	1.653	10.5	19.1	163 E	48	61
9 28	22 47.85	+ 2 53.7	0.687	1.658	13.3	19.3	158 E	48	61
10 3	22 45.69	+ 3 1.5	0.710	1.664	16.1	19.4	153 E	48	61
10 8	22 44.51	+ 3 9.2	0.738	1.670	18.7	19.6	148 E	48	61
10 13	22 44.35	+ 3 17.8	0.769	1.677	21.0	19.8	143 E	48	61
10 23	22 47.05	+ 3 40.2	0.842	1.693	25.0	20.1	134 E	49	60
11 2	22 53.41	+ 4 11.9	0.926	1.711	27.9	20.4	126 E	49	60
11 12	23 2.91	+ 4 54.8	1.021	1.730	30.1	20.7	119 E	50	59
11 22	23 14.96	+ 5 49.3	1.124	1.752	31.5	21.0	112 E	51	58
12 2	23 29.03	+ 6 54.5	1.234	1.776	32.3	21.3	106 E	52	57*
417462 2006 QH_{55}									
5 26	22 10.36	−19 29.8	1.899	2.259	26.4	21.5	97 W	19*	83
6 5	22 21.02	−18 24.4	1.738	2.211	26.5	21.2	104 W	22*	82
6 15	22 30.04	−17 22.0	1.582	2.163	26.0	21.0	111 W	25*	81
6 25	22 37.08	−16 23.5	1.432	2.114	25.0	20.7	118 W	28*	80
7 5	22 41.74	−15 29.7	1.291	2.065	23.3	20.3	127 W	29*	79
7 15	22 43.47	−14 40.8	1.162	2.016	20.8	20.0	135 W	30	79
7 25	22 41.79	−13 56.3	1.046	1.966	17.3	19.6	145 W	31	78
8 4	22 36.35	−13 14.2	0.947	1.917	12.7	19.1	155 W	32	77
8 14	22 27.13	−12 31.6	0.867	1.868	7.0	18.7	167 W	32	77
8 19	22 21.29	−12 8.8	0.835	1.844	3.8	18.4	173 W	33	76
8 24	22 14.86	−11 44.0	0.809	1.820	0.6	18.0	179 W	33	76
8 29	22 8.03	−11 17.0	0.788	1.796	3.1	18.2	174 E	34	75
9 3	22 1.07	−10 47.3	0.773	1.773	6.8	18.3	168 E	34	75
9 8	21 54.27	−10 14.8	0.764	1.750	10.4	18.4	162 E	35	74
9 13	21 47.92	− 9 39.3	0.760	1.727	14.0	18.5	156 E	35	74
9 23	21 37.63	− 8 20.0	0.766	1.683	20.7	18.7	144 E	37	72
10 3	21 31.67	− 6 51.0	0.787	1.640	26.6	18.9	133 E	38	71
10 13	21 30.73	− 5 13.5	0.819	1.601	31.4	19.0	123 E	40	69
10 23	21 34.79	− 3 27.3	0.858	1.564	35.2	19.2	115 E	42	67
11 2	21 43.39	− 1 32.1	0.902	1.530	38.1	19.3	108 E	43	66
11 12	21 56.00	+ 0 33.0	0.948	1.501	40.3	19.5	102 E	46	63*
11 22	22 12.07	+ 2 48.6	0.995	1.476	41.7	19.6	96 E	48	59*
12 2	22 31.09	+ 5 14.4	1.043	1.456	42.6	19.7	92 E	50	54*
12 12	22 52.71	+ 7 49.4	1.091	1.441	43.1	19.8	88 E	53	48*
12 22	23 16.60	+10 31.8	1.142	1.432	43.1	19.8	84 E	56	43*
1 1	23 42.49	+13 18.1	1.194	1.429	42.9	19.9	81 E	58*	38*
1 11	0 10.22	+16 4.9	1.249	1.431	42.4	20.0	79 E	61*	34*
1 21	0 39.55	+18 47.5	1.309	1.440	41.6	20.1	76 E	62*	30*
379772 2011 HK_{28}									
5 26	22 10.61	− 3 7.0	1.280	1.649	37.9	21.4	91 W	34*	67
6 5	22 27.74	− 1 39.9	1.212	1.662	37.4	21.3	96 W	37*	66
6 15	22 42.78	− 0 27.4	1.145	1.678	36.3	21.2	102 W	40*	64
6 25	22 55.39	+ 0 26.1	1.080	1.696	34.8	21.0	108 W	43*	64
7 5	23 5.23	+ 0 56.1	1.019	1.716	32.5	20.9	115 W	45*	63
7 15	23 11.86	+ 0 57.7	0.962	1.739	29.4	20.7	123 W	46	63
7 25	23 14.96	+ 0 26.9	0.913	1.762	25.4	20.5	132 W	45	64
8 4	23 14.39	− 0 37.8	0.875	1.788	20.4	20.3	142 W	44	65
8 14	23 10.33	− 2 14.8	0.851	1.815	14.5	20.1	153 W	43	66
8 19	23 7.23	− 3 12.9	0.846	1.828	11.3	19.9	159 W	42	67
8 24	23 3.60	− 4 15.5	0.846	1.842	8.0	19.8	165 W	41	68
8 29	22 59.62	− 5 20.6	0.852	1.857	4.6	19.7	171 W	40	69
9 3	22 55.49	− 6 26.2	0.863	1.871	1.2	19.5	178 W	39	70
9 8	22 51.41	− 7 30.2	0.879	1.886	2.1	19.6	176 E	37	72
9 13	22 47.58	− 8 30.5	0.902	1.901	5.3	19.9	170 E	36	73
9 18	22 44.20	− 9 25.7	0.930	1.915	8.4	20.1	164 E	36	73
9 23	22 41.40	−10 14.3	0.963	1.931	11.2	20.3	158 E	35	74
10 3	22 37.89	−11 29.9	1.045	1.961	16.2	20.7	147 E	34	75
10 13	22 37.49	−12 15.0	1.145	1.992	20.1	21.1	137 E	33	76
10 23	22 40.16	−12 31.6	1.259	2.023	23.0	21.4	127 E	32	77
11 2	22 45.57	−12 23.2	1.385	2.054	25.1	21.7	119 E	33	76
456024 2005 YN_{93}									
5 26	22 11.89	−17 30.6	1.641	2.016	30.0	21.4	96 W	21*	82
6 5	22 27.01	−16 59.9	1.508	1.984	30.0	21.2	102 W	23*	81
6 15	22 40.94	−16 40.1	1.380	1.952	29.6	20.9	108 W	25*	81
6 25	22 53.40	−16 34.3	1.258	1.921	28.7	20.7	115 W	27*	81
7 5	23 4.07	−16 45.6	1.145	1.890	27.2	20.4	122 W	28*	81
7 15	23 12.46	−17 17.2	1.041	1.859	25.0	20.1	129 W	28	81

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
456024 2005 YN_{93} *(continuation)*									
7 25	23 18.10	−18 10.5	0.949	1.830	22.1	19.8	137 W	27	82
8 4	23 20.52	−19 24.5	0.870	1.801	18.5	19.4	146 W	26	83
8 9	23 20.39	−20 7.9	0.836	1.788	16.5	19.3	150 W	25	84
8 14	23 19.36	−20 54.0	0.807	1.774	14.4	19.1	154 W	24	85
8 19	23 17.45	−21 41.3	0.781	1.761	12.4	18.9	158 W	23	86
8 24	23 14.75	−22 27.8	0.761	1.748	10.8	18.8	161 W	23	86
8 29	23 11.36	−23 11.6	0.745	1.736	9.8	18.7	163 W	22	87
9 3	23 7.44	−23 50.4	0.734	1.724	9.8	18.6	163 W	21	88
9 8	23 3.21	−24 22.2	0.728	1.713	10.8	18.7	161 E	21	88
9 13	22 58.94	−24 45.0	0.726	1.702	12.6	18.7	158 E	20	89
9 18	22 54.87	−24 57.7	0.729	1.692	14.9	18.8	154 E	20	89
9 23	22 51.27	−24 59.5	0.736	1.682	17.3	18.9	150 E	20	89
9 28	22 48.32	−24 50.3	0.747	1.673	19.8	19.0	146 E	20	89
10 3	22 46.20	−24 30.5	0.762	1.664	22.2	19.1	141 E	20	89
10 8	22 45.03	−24 0.4	0.780	1.656	24.4	19.2	137 E	21	88
10 13	22 44.89	−23 21.0	0.801	1.649	26.5	19.3	132 E	22	87
10 18	22 45.80	−22 33.3	0.825	1.642	28.4	19.4	128 E	22	87
10 23	22 47.74	−21 38.1	0.852	1.636	30.1	19.5	125 E	23	86
10 28	22 50.65	−20 36.4	0.880	1.630	31.6	19.6	121 E	24	85
11 2	22 54.47	−19 29.0	0.911	1.626	32.8	19.7	117 E	26	83
11 7	22 59.14	−18 16.6	0.943	1.622	34.0	19.8	114 E	27	82
11 12	23 4.60	−16 59.9	0.977	1.619	34.9	19.9	111 E	28	81
11 17	23 10.75	−15 39.3	1.012	1.616	35.6	20.0	108 E	29	80
11 22	23 17.53	−14 15.6	1.049	1.614	36.3	20.1	105 E	31	78
11 27	23 24.86	−12 49.1	1.086	1.613	36.7	20.2	102 E	32	77
12 2	23 32.68	−11 20.3	1.125	1.613	37.1	20.3	99 E	34	75*
12 12	23 49.62	− 8 17.3	1.207	1.615	37.4	20.5	94 E	37	69*
12 22	0 7.97	− 5 9.5	1.292	1.620	37.4	20.6	90 E	40	63*
1 1	0 27.46	− 2 0.1	1.380	1.628	37.0	20.8	85 E	43	57*
1 11	0 47.90	+ 1 8.7	1.472	1.639	36.4	20.9	81 E	46	51*
1 21	1 9.15	+ 4 14.2	1.567	1.652	35.5	21.0	77 E	49*	46*
416282 2003 KE_{31}									
5 26	22 14.02	− 4 29.3	1.293	1.655	37.7	21.5	91 W	32*	68
6 5	22 33.73	− 3 5.3	1.214	1.653	37.7	21.3	95 W	35*	67
6 15	22 51.93	− 1 54.0	1.139	1.655	37.2	21.2	100 W	38*	66
6 25	23 8.33	− 0 59.7	1.067	1.660	36.1	21.0	106 W	41*	65
7 5	23 22.59	− 0 27.2	0.999	1.668	34.5	20.8	112 W	43*	64
7 15	23 34.23	− 0 21.4	0.937	1.679	32.2	20.6	118 W	45*	64
7 25	23 42.82	− 0 46.3	0.881	1.693	28.9	20.4	126 W	44	65
8 4	23 47.95	− 1 44.7	0.834	1.709	24.8	20.2	135 W	43	66
8 14	23 49.35	− 3 16.1	0.798	1.728	19.7	20.0	145 W	42	67
8 19	23 48.69	− 4 12.6	0.786	1.738	16.9	19.9	150 W	41	68
8 24	23 47.22	− 5 14.6	0.778	1.749	13.8	19.8	156 W	40	69
8 29	23 45.02	− 6 20.4	0.774	1.760	10.7	19.6	161 W	39	70
9 3	23 42.24	− 7 28.0	0.776	1.772	7.6	19.5	166 W	38	71
9 8	23 39.06	− 8 35.0	0.782	1.785	4.9	19.4	171 W	36	73
9 13	23 35.68	− 9 39.2	0.794	1.798	3.6	19.4	174 W	35	74
9 18	23 32.33	−10 38.3	0.811	1.811	5.0	19.6	171 E	34	75
9 23	23 29.19	−11 30.6	0.834	1.824	7.5	19.8	166 E	33	76
9 28	23 26.43	−12 15.1	0.862	1.838	10.2	20.0	161 E	33	76
10 3	23 24.20	−12 50.8	0.895	1.853	12.9	20.2	156 E	32	77
10 13	23 21.73	−13 35.0	0.974	1.882	17.6	20.5	145 E	31	78
10 23	23 22.24	−13 44.5	1.071	1.913	21.3	20.9	136 E	31	78
11 2	23 25.64	−13 24.4	1.181	1.945	24.1	21.2	127 E	32	77
11 12	23 31.68	−12 39.8	1.302	1.977	26.1	21.5	119 E	32	77
533744 2014 OA_{40}									
5 26	22 15.89	−13 31.0	1.521	1.881	32.5	21.5	94 W	24*	78
6 5	22 32.17	−11 41.9	1.399	1.851	32.8	21.2	99 W	27*	76
6 15	22 47.22	− 9 52.1	1.282	1.822	32.7	21.0	104 W	31*	74
6 25	23 0.79	− 8 3.3	1.170	1.795	32.1	20.8	110 W	35*	72
7 5	23 12.58	− 6 17.3	1.066	1.769	31.0	20.5	116 W	38*	70
7 15	23 22.15	− 4 36.4	0.969	1.744	29.3	20.2	123 W	40	69
7 25	23 29.06	− 3 3.0	0.881	1.722	26.7	19.9	130 W	42	67
8 4	23 32.83	− 1 39.8	0.804	1.702	23.3	19.6	138 W	43	66
8 14	23 33.06	− 0 29.8	0.740	1.685	18.9	19.2	147 W	45	64
8 24	23 29.77	+ 0 24.6	0.691	1.670	13.5	18.9	157 W	45	64
9 3	23 23.48	+ 1 2.3	0.658	1.657	7.5	18.5	168 W	46	63
9 13	23 15.48	+ 1 24.4	0.643	1.648	3.5	18.3	174 E	46	63
9 18	23 11.42	+ 1 31.0	0.643	1.644	5.1	18.3	172 E	47	62
9 23	23 7.67	+ 1 35.9	0.648	1.641	8.0	18.5	167 E	47	62
9 28	23 4.43	+ 1 39.7	0.657	1.639	11.1	18.7	162 E	47	62
10 3	23 1.90	+ 1 43.5	0.671	1.638	14.1	18.8	156 E	47	62
10 8	23 0.23	+ 1 48.2	0.688	1.637	17.0	19.0	151 E	47	62
10 13	22 59.54	+ 1 54.7	0.710	1.637	19.7	19.1	146 E	47	62

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
533744 2014 OA_{40} *(continuation)*									
10 23	23 1.24	+ 2 15.6	0.764	1.640	24.3	19.4	137 E	47	62
11 2	23 6.87	+ 2 49.3	0.830	1.646	28.0	19.7	129 E	48	61
11 12	23 16.06	+ 3 37.3	0.906	1.655	30.7	20.0	121 E	49	60
11 22	23 28.22	+ 4 39.3	0.991	1.667	32.6	20.3	115 E	50	59
12 2	23 42.75	+ 5 53.7	1.084	1.681	33.8	20.5	109 E	51	58*
12 12	23 59.19	+ 7 18.7	1.183	1.698	34.4	20.7	103 E	52	56*
12 22	0 17.12	+ 8 52.0	1.288	1.718	34.6	21.0	97 E	54	52*
1 1	0 36.21	+10 31.1	1.397	1.739	34.4	21.2	92 E	56	48*
1 11	0 56.24	+12 13.6	1.511	1.763	33.9	21.3	87 E	57	44*
302132 2001 QD_{243}									
5 26	22 21.05	− 2 22.4	1.213	1.560	40.5	21.5	88 W	33*	66
6 5	22 44.74	− 0 10.5	1.134	1.544	41.1	21.3	92 W	36*	64
6 15	23 7.73	+ 1 55.1	1.059	1.531	41.4	21.2	95 W	40*	62
6 25	23 29.83	+ 3 49.7	0.990	1.523	41.3	21.0	99 W	43*	60
7 5	23 50.77	+ 5 28.6	0.924	1.518	40.8	20.8	103 W	47*	59
7 15	0 10.14	+ 6 46.4	0.863	1.517	39.8	20.7	107 W	50*	57
7 25	0 27.47	+ 7 38.2	0.807	1.521	38.1	20.5	113 W	53*	56
7 30	0 35.20	+ 7 52.9	0.780	1.524	37.0	20.4	116 W	53	56
8 4	0 42.20	+ 7 59.4	0.755	1.528	35.6	20.3	119 W	53	56
8 9	0 48.38	+ 7 57.0	0.732	1.534	34.1	20.2	122 W	53	56
8 14	0 53.65	+ 7 45.4	0.710	1.540	32.3	20.1	126 W	53	56
8 24	1 1.27	+ 6 54.0	0.672	1.555	27.9	19.8	134 W	52	57
9 3	1 4.68	+ 5 26.0	0.644	1.574	22.5	19.6	143 W	50	59
9 13	1 3.93	+ 3 27.2	0.629	1.596	16.1	19.4	154 W	48	61
9 18	1 2.23	+ 2 20.3	0.628	1.608	12.7	19.3	159 W	47	62
9 23	0 59.85	+ 1 11.4	0.631	1.621	9.3	19.2	165 W	46	63
9 28	0 56.99	+ 0 2.9	0.638	1.634	6.1	19.1	170 W	45	64
10 3	0 53.86	− 1 2.6	0.650	1.648	4.0	19.0	173 W	44	65
10 8	0 50.70	− 2 2.7	0.667	1.663	4.7	19.1	172 E	43	66
10 13	0 47.76	− 2 55.4	0.690	1.678	7.2	19.3	168 E	42	67
10 18	0 45.22	− 3 39.2	0.717	1.694	10.1	19.6	163 E	41	68
10 23	0 43.24	− 4 13.3	0.749	1.710	13.0	19.8	157 E	41	68
11 2	0 41.31	− 4 52.2	0.825	1.744	18.0	20.2	147 E	40	69
11 12	0 42.40	− 4 54.1	0.918	1.779	22.1	20.6	138 E	40	69
11 22	0 46.47	− 4 24.8	1.025	1.815	25.1	21.0	129 E	41	68
12 2	0 53.14	− 3 31.3	1.143	1.852	27.2	21.3	121 E	41	68
533711 2014 NA_3									
5 26	22 26.12	−20 15.5	1.289	1.692	36.7	21.4	94 W	17*	84*
6 5	22 50.18	−19 18.6	1.185	1.659	37.3	21.2	98 W	18*	83
6 15	23 13.83	−18 23.5	1.087	1.629	37.7	21.0	101 W	20*	82
6 25	23 36.83	−17 32.7	0.997	1.601	37.8	20.7	105 W	23*	82
7 5	23 58.91	−16 48.2	0.915	1.576	37.5	20.5	109 W	25*	81
7 15	0 19.63	−16 12.6	0.839	1.555	36.8	20.3	113 W	27*	80
7 25	0 38.45	−15 47.3	0.772	1.537	35.7	20.0	118 W	29*	80
8 4	0 54.78	−15 32.8	0.712	1.524	34.0	19.8	123 W	29	80
8 9	1 1.76	−15 29.6	0.685	1.519	32.9	19.7	126 W	30	79
8 14	1 7.81	−15 28.7	0.659	1.514	31.6	19.5	129 W	30	79
8 19	1 12.86	−15 29.4	0.637	1.511	30.1	19.4	132 W	30	79
8 24	1 16.83	−15 31.1	0.616	1.509	28.4	19.3	135 W	29	80
8 29	1 19.63	−15 32.8	0.597	1.508	26.6	19.2	138 W	29	80
9 3	1 21.21	−15 33.6	0.581	1.509	24.5	19.1	142 W	29	80
9 8	1 21.54	−15 32.0	0.568	1.510	22.3	18.9	145 W	29	80
9 13	1 20.67	−15 26.4	0.558	1.512	20.0	18.8	149 W	30	79
9 18	1 18.71	−15 15.1	0.551	1.516	17.7	18.7	153 W	30	79
9 23	1 15.80	−14 56.8	0.548	1.521	15.6	18.7	156 W	30	79
9 28	1 12.16	−14 30.2	0.548	1.526	13.8	18.6	159 W	30	79
10 3	1 8.01	−13 54.8	0.553	1.533	12.6	18.6	161 W	31	78
10 8	1 3.66	−13 10.0	0.561	1.541	12.2	18.6	161 W	32	77
10 13	0 59.42	−12 16.0	0.574	1.549	12.8	18.7	160 E	33	76
10 18	0 55.55	−11 13.8	0.591	1.559	14.2	18.8	157 E	34	75
10 23	0 52.27	−10 4.4	0.613	1.570	16.0	19.0	154 E	35	74
10 28	0 49.74	− 8 49.3	0.638	1.581	18.0	19.2	151 E	36	73
11 2	0 48.07	− 7 29.9	0.668	1.593	20.0	19.3	147 E	38	71
11 7	0 47.32	− 6 7.5	0.701	1.606	22.0	19.5	143 E	39	70
11 12	0 47.52	− 4 43.1	0.739	1.620	23.8	19.7	139 E	40	69
11 17	0 48.66	− 3 17.8	0.780	1.635	25.4	19.9	135 E	42	67
11 22	0 50.66	− 1 52.3	0.824	1.650	26.9	20.1	131 E	43	66
12 2	0 57.06	+ 0 56.9	0.922	1.682	29.2	20.4	124 E	46	63
12 12	1 6.23	+ 3 41.6	1.030	1.716	30.8	20.8	117 E	49	60
12 22	1 17.69	+ 6 20.2	1.149	1.752	31.8	21.1	110 E	51	58*
1 1	1 30.99	+ 8 51.8	1.275	1.790	32.2	21.4	104 E	54	54*
381844 2009 WV_{163}									
5 26	22 33.22	−16 36.6	1.658	1.957	31.2	21.4	91 W	19*	80*
6 5	22 51.38	−15 33.7	1.529	1.921	31.7	21.2	96 W	22*	80
6 15	23 8.77	−14 35.8	1.405	1.887	31.9	21.0	101 W	24*	79
6 25	23 25.20	−13 45.1	1.288	1.854	31.7	20.7	107 W	27*	78

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
381844 2009 WV_{163} *(continuation)*									
7 5	23 40.44	−13 3.9	1.177	1.823	31.1	20.5	112 W	30*	77
7 15	23 54.09	−12 34.7	1.074	1.795	29.9	20.2	118 W	32*	77
7 25	0 5.76	−12 19.3	0.979	1.768	28.2	19.9	125 W	33	76
8 4	0 14.94	−12 18.7	0.895	1.744	25.7	19.6	132 W	33	76
8 14	0 21.07	−12 32.6	0.822	1.723	22.5	19.3	139 W	32	77
8 19	0 22.85	−12 44.0	0.791	1.713	20.6	19.2	143 W	32	77
8 24	0 23.74	−12 57.3	0.763	1.705	18.5	19.0	148 W	32	77
8 29	0 23.72	−13 11.8	0.738	1.697	16.3	18.9	152 W	32	77
9 3	0 22.80	−13 26.2	0.718	1.690	14.1	18.7	156 W	32	77
9 8	0 21.06	−13 39.1	0.701	1.683	11.9	18.6	160 W	31	78
9 13	0 18.61	−13 48.9	0.689	1.678	10.0	18.5	163 W	31	78
9 18	0 15.63	−13 53.9	0.682	1.674	8.7	18.4	165 W	31	78
9 23	0 12.32	−13 53.0	0.679	1.670	8.5	18.4	166 W	31	78
9 28	0 8.89	−13 45.0	0.681	1.667	9.4	18.4	164 E	31	78
10 3	0 5.57	−13 29.3	0.687	1.666	11.2	18.5	161 E	32	77
10 8	0 2.59	−13 5.3	0.698	1.665	13.4	18.6	157 E	32	77
10 13	0 0.15	−12 33.2	0.713	1.665	15.8	18.7	153 E	32	77
10 18	23 58.43	−11 53.3	0.733	1.666	18.2	18.9	149 E	33	76
10 23	23 57.52	−11 6.4	0.756	1.668	20.4	19.0	144 E	34	75
10 28	23 57.46	−10 13.3	0.783	1.671	22.5	19.2	140 E	35	74
11 2	23 58.30	− 9 14.9	0.814	1.675	24.4	19.3	136 E	36	73
11 7	0 0.02	− 8 11.9	0.848	1.679	26.1	19.5	132 E	37	72
11 12	0 2.62	− 7 5.0	0.885	1.685	27.6	19.6	128 E	38	71
11 17	0 6.02	− 5 55.1	0.924	1.691	28.9	19.7	124 E	39	70
11 22	0 10.17	− 4 42.7	0.967	1.699	30.0	19.9	121 E	40	69
12 2	0 20.47	− 2 13.1	1.059	1.716	31.7	20.1	114 E	43	66
12 12	0 33.05	+ 0 20.4	1.159	1.736	32.7	20.4	108 E	45	64*
12 22	0 47.49	+ 2 54.9	1.268	1.759	33.2	20.6	102 E	48	60*
1 1	1 3.41	+ 5 28.0	1.382	1.784	33.2	20.9	96 E	50	55*
1 11	1 20.57	+ 7 57.9	1.502	1.812	32.9	21.1	91 E	53	51*
1 21	1 38.72	+10 22.8	1.627	1.842	32.2	21.2	86 E	55	46*
385245 2000 WK_2									
5 26	22 33.97	− 3 41.0	2.252	2.403	24.9	21.4	86 W	30*	68*
6 5	22 42.27	− 1 1.8	2.087	2.362	25.4	21.2	93 W	36*	65
6 15	22 49.06	+ 1 46.3	1.926	2.320	25.6	21.0	99 W	41*	62
6 25	22 54.01	+ 4 43.8	1.771	2.278	25.3	20.8	106 W	47*	59
7 5	22 56.75	+ 7 51.0	1.625	2.236	24.6	20.5	114 W	53*	56
7 15	22 56.81	+11 6.9	1.490	2.194	23.4	20.3	121 W	56	53
7 25	22 53.71	+14 28.6	1.369	2.153	21.7	20.0	128 W	59	50
7 30	22 50.85	+16 10.0	1.314	2.132	20.7	19.9	132 W	61	48
8 4	22 47.06	+17 50.4	1.265	2.112	19.7	19.7	135 W	63	46
8 9	22 42.32	+19 28.4	1.220	2.091	18.7	19.6	139 W	64	45
8 14	22 36.68	+21 2.4	1.181	2.071	17.8	19.5	141 W	66	43
8 19	22 30.20	+22 30.6	1.147	2.051	17.1	19.4	143 W	68	41
8 24	22 23.00	+23 51.6	1.119	2.031	16.7	19.3	145 W	69	40
8 29	22 15.25	+25 3.4	1.097	2.011	16.6	19.2	145 E	70	39
9 3	22 7.16	+26 4.9	1.080	1.992	17.0	19.2	145 E	71	38
9 8	21 58.99	+26 55.0	1.069	1.972	17.7	19.1	144 E	72	37
9 13	21 51.02	+27 33.4	1.063	1.953	18.7	19.1	141 E	73	36
9 18	21 43.54	+28 0.7	1.063	1.935	20.0	19.2	139 E	73	36
9 23	21 36.78	+28 17.6	1.066	1.917	21.5	19.2	136 E	73	36
9 28	21 30.96	+28 25.6	1.074	1.899	23.0	19.2	132 E	73	36
10 3	21 26.22	+28 26.1	1.085	1.881	24.5	19.3	129 E	73	36
10 8	21 22.69	+28 20.8	1.099	1.864	26.0	19.3	125 E	73	36
10 13	21 20.43	+28 11.7	1.116	1.848	27.3	19.4	122 E	73	36
10 18	21 19.45	+28 0.4	1.135	1.831	28.6	19.4	118 E	73	36
10 23	21 19.73	+27 48.3	1.155	1.816	29.8	19.5	115 E	73	36
10 28	21 21.24	+27 36.6	1.177	1.801	30.8	19.6	112 E	73	36
11 2	21 23.93	+27 26.1	1.199	1.786	31.7	19.6	109 E	72	37*
11 7	21 27.75	+27 17.7	1.222	1.773	32.5	19.7	106 E	72	36*
11 12	21 32.64	+27 12.2	1.246	1.759	33.2	19.7	103 E	72	36*
11 17	21 38.53	+27 9.9	1.270	1.747	33.8	19.7	101 E	72	35*
11 22	21 45.36	+27 11.1	1.294	1.735	34.3	19.8	98 E	72	34*
11 27	21 53.08	+27 15.8	1.318	1.724	34.7	19.8	96 E	72	32*
12 2	22 1.64	+27 24.1	1.342	1.714	35.0	19.9	94 E	72	31*
12 12	22 21.11	+27 51.5	1.391	1.696	35.5	19.9	89 E	73	27*
12 22	22 43.43	+28 31.8	1.440	1.682	35.7	20.0	86 E	73*	24*
1 1	23 8.29	+29 22.2	1.491	1.671	35.7	20.0	82 E	73*	21*
1 11	23 35.44	+30 19.4	1.543	1.664	35.5	20.1	79 E	72*	18*
1 21	0 4.59	+31 19.1	1.599	1.661	35.1	20.2	76 E	69*	16*
464815 2004 RV_{257}									
5 26	22 35.64	+ 0 41.2	1.753	1.931	31.4	21.5	84 W	34*	63*
6 5	22 52.63	+ 2 34.1	1.629	1.901	32.2	21.3	89 W	37*	61
6 15	23 9.02	+ 4 23.5	1.507	1.872	32.8	21.1	94 W	42*	60
6 25	23 24.67	+ 6 6.3	1.389	1.844	33.0	20.9	99 W	46*	58
7 5	23 39.43	+ 7 39.5	1.275	1.817	32.8	20.7	104 W	50*	56
7 15	23 53.02	+ 8 59.1	1.166	1.792	32.2	20.5	110 W	53*	55

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
464815 2004 RV_{257} *(continuation)*									
7 20	23 59.29	+ 9 32.2	1.114	1.780	31.6	20.3	113 W	54*	54
7 25	0 5.14	+10 0.2	1.064	1.768	30.9	20.2	116 W	55	54
7 30	0 10.53	+10 22.4	1.015	1.757	30.1	20.1	120 W	55	54
8 4	0 15.40	+10 37.8	0.969	1.747	29.0	19.9	123 W	56	53
8 9	0 19.69	+10 45.8	0.925	1.736	27.7	19.8	127 W	56	53
8 14	0 23.33	+10 45.4	0.883	1.727	26.3	19.6	131 W	56	53
8 19	0 26.29	+10 35.9	0.844	1.717	24.5	19.4	135 W	56	53
8 24	0 28.53	+10 16.8	0.808	1.709	22.5	19.3	140 W	55	54
9 3	0 30.72	+ 9 7.5	0.746	1.693	17.7	18.9	149 W	54	55
9 13	0 29.95	+ 7 16.5	0.699	1.680	11.8	18.6	160 W	52	57
9 23	0 26.90	+ 4 51.0	0.671	1.670	5.0	18.2	172 W	50	59
9 28	0 24.88	+ 3 30.2	0.664	1.666	1.5	17.9	178 W	49	60
10 3	0 22.76	+ 2 7.5	0.663	1.663	2.2	18.0	176 E	47	62
10 8	0 20.75	+ 0 45.8	0.666	1.660	5.8	18.2	170 E	46	63
10 13	0 19.08	− 0 31.8	0.675	1.658	9.3	18.4	164 E	44	65
10 18	0 17.90	− 1 42.7	0.688	1.656	12.7	18.5	159 E	43	66
10 23	0 17.37	− 2 45.0	0.706	1.656	15.8	18.7	153 E	42	67
10 28	0 17.56	− 3 37.2	0.729	1.656	18.7	18.9	148 E	41	68
11 2	0 18.55	− 4 18.8	0.755	1.657	21.3	19.0	143 E	41	68
11 12	0 23.01	− 5 8.7	0.818	1.661	25.7	19.3	133 E	40	69
11 22	0 30.67	− 5 17.1	0.892	1.668	29.0	19.6	125 E	40	69
12 2	0 41.10	− 4 50.4	0.976	1.677	31.4	19.9	117 E	40	69
12 7	0 47.23	− 4 25.9	1.021	1.683	32.3	20.0	114 E	41	68
12 12	0 53.90	− 3 55.0	1.068	1.689	33.0	20.2	111 E	41	68
12 17	1 1.05	− 3 18.8	1.116	1.696	33.6	20.3	108 E	42	67
12 22	1 8.62	− 2 37.9	1.166	1.704	34.0	20.4	105 E	42	66*
12 27	1 16.57	− 1 53.2	1.217	1.712	34.2	20.5	102 E	43	65*
1 1	1 24.86	− 1 5.2	1.270	1.721	34.4	20.6	99 E	44	63*
1 6	1 33.47	− 0 14.5	1.323	1.731	34.4	20.7	96 E	45	62*
1 11	1 42.35	+ 0 38.2	1.378	1.741	34.3	20.8	93 E	46	60*
1 16	1 51.49	+ 1 32.4	1.433	1.751	34.2	20.9	91 E	47	58*
1 21	2 0.85	+ 2 27.6	1.489	1.762	33.9	21.0	88 E	47	56*
268251 2005 MF_{24}									
5 26	22 39.43	− 8 6.3	1.567	1.811	33.9	21.5	86 W	26*	72*
6 5	22 53.35	− 7 4.5	1.498	1.843	33.4	21.4	92 W	29*	71
6 15	23 4.99	− 6 17.3	1.427	1.876	32.3	21.3	99 W	32*	70
6 25	23 14.06	− 5 47.5	1.358	1.910	30.7	21.2	106 W	36*	70
7 5	23 20.27	− 5 38.1	1.291	1.944	28.5	21.1	114 W	38*	70
7 15	23 23.25	− 5 51.5	1.229	1.978	25.5	20.9	123 W	39*	70
7 25	23 22.77	− 6 28.7	1.177	2.012	21.6	20.7	133 W	39	70
8 4	23 18.81	− 7 28.5	1.137	2.046	17.0	20.5	144 W	38	71
8 14	23 11.67	− 8 46.6	1.115	2.080	11.7	20.3	155 W	36	73
8 19	23 7.16	− 9 29.8	1.112	2.097	8.8	20.2	161 W	36	73
8 24	23 2.22	−10 14.1	1.115	2.113	6.0	20.1	167 W	35	74
8 29	22 57.02	−10 58.1	1.124	2.130	3.3	20.0	173 W	34	75
9 3	22 51.75	−11 40.4	1.139	2.147	1.9	20.0	176 W	33	76
9 8	22 46.59	−12 19.6	1.161	2.163	3.7	20.2	172 E	33	76
9 13	22 41.73	−12 54.8	1.189	2.179	6.3	20.4	166 E	32	77
9 18	22 37.33	−13 25.0	1.223	2.195	8.8	20.5	160 E	32	77
9 23	22 33.52	−13 49.7	1.263	2.211	11.2	20.7	155 E	31	78
9 28	22 30.39	−14 8.8	1.308	2.227	13.4	20.9	149 E	31	78
10 3	22 27.98	−14 22.3	1.358	2.243	15.4	21.1	143 E	31	78
10 8	22 26.35	−14 30.2	1.413	2.259	17.2	21.2	138 E	30	79
10 13	22 25.50	−14 32.7	1.473	2.274	18.7	21.4	133 E	30	79
284711 2008 TL_{120}									
5 26	22 41.00	−12 8.3	1.609	1.863	32.9	21.5	87 W	22*	76*
6 5	22 59.40	−10 42.0	1.492	1.838	33.5	21.3	92 W	25*	75
6 15	23 16.97	− 9 19.8	1.378	1.814	33.7	21.1	97 W	28*	73
6 25	23 33.52	− 8 4.2	1.269	1.791	33.6	20.9	103 W	32*	72
7 5	23 48.81	− 6 57.6	1.165	1.769	33.1	20.7	108 W	35*	71
7 15	0 2.50	− 6 3.0	1.067	1.749	32.0	20.4	114 W	38*	70
7 25	0 14.16	− 5 22.9	0.976	1.731	30.3	20.1	121 W	40*	69
8 4	0 23.33	− 4 59.6	0.893	1.714	27.9	19.9	128 W	40	69
8 14	0 29.42	− 4 55.1	0.820	1.700	24.5	19.6	136 W	40	69
8 24	0 31.99	− 5 8.9	0.758	1.688	20.3	19.2	145 W	40	69
9 3	0 30.81	− 5 38.1	0.711	1.678	15.1	18.9	154 W	39	70
9 8	0 28.87	− 5 56.6	0.693	1.674	12.3	18.8	159 W	39	70
9 13	0 26.16	− 6 16.0	0.680	1.671	9.4	18.6	164 W	39	70
9 18	0 22.83	− 6 34.8	0.671	1.668	6.7	18.5	169 W	38	71
9 23	0 19.09	− 6 51.5	0.667	1.666	5.0	18.4	172 W	38	71
9 28	0 15.16	− 7 4.7	0.668	1.665	5.4	18.4	171 E	38	71
10 3	0 11.27	− 7 13.1	0.673	1.664	7.6	18.5	167 E	38	71
10 8	0 7.67	− 7 15.8	0.683	1.664	10.3	18.6	163 E	38	71
10 13	0 4.58	− 7 11.8	0.698	1.664	13.3	18.8	158 E	38	71

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	284711 2008 TL_{120} *(continuation)*								
	h m	° ′			°	m	°	°	°
10 23	0 0.64	− 6 43.1	0.741	1.667	18.7	19.1	147 E	38	71
11 2	0 0.22	− 5 48.1	0.798	1.673	23.4	19.4	138 E	39	70
11 12	0 3.52	− 4 30.2	0.869	1.681	27.1	19.7	129 E	40	69
11 22	0 10.28	− 2 53.9	0.950	1.691	29.8	20.0	122 E	42	67
12 2	0 19.98	− 1 3.9	1.041	1.704	31.8	20.3	114 E	44	65
12 12	0 32.15	+ 0 56.3	1.139	1.719	33.0	20.5	108 E	46	63*
12 22	0 46.33	+ 3 3.2	1.243	1.736	33.7	20.8	102 E	48	60*
1 1	1 2.12	+ 5 13.7	1.353	1.755	33.9	21.0	96 E	50	56*
1 11	1 19.26	+ 7 25.6	1.467	1.775	33.6	21.2	91 E	52	51*
1 21	1 37.49	+ 9 36.4	1.584	1.797	33.1	21.4	85 E	55	46*
	528235 2008 QA_{21}								
5 26	22 44.73	− 5 4.8	1.445	1.675	37.0	21.4	84 W	28*	69*
6 5	23 4.48	− 2 16.3	1.357	1.664	37.5	21.3	88 W	32*	66
6 15	23 23.13	+ 0 33.3	1.271	1.656	37.8	21.1	92 W	36*	63
6 25	23 40.49	+ 3 21.0	1.190	1.650	37.7	21.0	96 W	42*	61
7 5	23 56.36	+ 6 4.4	1.112	1.647	37.3	20.8	101 W	47*	58
7 15	0 10.36	+ 8 40.3	1.038	1.646	36.3	20.6	106 W	52*	55
7 25	0 22.08	+11 5.1	0.969	1.648	34.8	20.5	112 W	56*	53
7 30	0 26.94	+12 12.3	0.936	1.650	33.7	20.4	115 W	57	52
8 4	0 31.04	+13 15.2	0.905	1.653	32.5	20.2	119 W	58	51
8 9	0 34.31	+14 13.1	0.876	1.656	31.2	20.1	122 W	59	50
8 14	0 36.68	+15 5.2	0.848	1.661	29.5	20.0	126 W	60	49
8 19	0 38.11	+15 51.0	0.823	1.665	27.7	19.9	130 W	61	48
8 24	0 38.57	+16 29.6	0.800	1.670	25.7	19.8	134 W	61	48
8 29	0 38.04	+17 0.2	0.779	1.676	23.4	19.7	139 W	62	47
9 3	0 36.54	+17 22.0	0.762	1.683	21.0	19.6	143 W	62	47
9 13	0 30.96	+17 37.0	0.739	1.697	15.7	19.3	153 W	63	46
9 23	0 22.99	+17 13.4	0.732	1.714	10.5	19.2	162 W	62	47
10 3	0 14.37	+16 16.9	0.744	1.733	7.7	19.1	167 E	61	48
10 8	0 10.41	+15 39.8	0.758	1.743	8.3	19.2	165 E	61	48
10 13	0 6.99	+14 59.7	0.776	1.753	9.9	19.3	162 E	60	49
10 18	0 4.28	+14 18.5	0.800	1.764	12.1	19.5	158 E	59	50
10 23	0 2.38	+13 38.2	0.828	1.776	14.4	19.6	154 E	59	50
10 28	0 1.37	+13 0.3	0.861	1.787	16.7	19.8	149 E	58	51
11 2	0 1.27	+12 26.1	0.898	1.799	18.8	20.0	144 E	57	52
11 7	0 2.09	+11 56.5	0.939	1.812	20.8	20.2	140 E	57	52
11 12	0 3.78	+11 32.3	0.984	1.824	22.5	20.3	135 E	57	52
11 22	0 9.61	+11 0.8	1.084	1.850	25.4	20.7	126 E	56	53
12 2	0 18.24	+10 51.3	1.195	1.877	27.5	21.0	118 E	56	53
12 12	0 29.18	+11 2.1	1.315	1.905	28.8	21.3	111 E	56	53*
12 22	0 41.99	+11 30.0	1.443	1.933	29.6	21.5	104 E	57	51*
	495863 2003 XV_4								
5 26	22 45.69	+ 2 15.5	1.597	1.753	34.8	21.4	81 W	34*	61*
6 5	23 5.79	+ 5 14.6	1.492	1.726	35.8	21.2	85 W	38*	59
6 15	23 25.53	+ 8 16.1	1.393	1.702	36.6	21.1	88 W	43*	56
6 25	23 44.85	+11 17.3	1.298	1.680	37.2	20.9	92 W	48*	53
7 5	0 3.63	+14 15.3	1.208	1.661	37.5	20.7	96 W	54*	50
7 15	0 21.67	+17 6.3	1.123	1.644	37.5	20.5	100 W	59*	47
7 25	0 38.67	+19 46.5	1.044	1.631	37.0	20.4	105 W	64*	44
7 30	0 46.69	+21 1.2	1.006	1.626	36.6	20.3	107 W	66*	43
8 4	0 54.29	+22 11.5	0.969	1.621	36.1	20.2	110 W	67	42
8 9	1 1.41	+23 16.8	0.934	1.618	35.5	20.1	112 W	68	41
8 14	1 7.97	+24 16.3	0.900	1.615	34.6	19.9	115 W	69	40
8 19	1 13.91	+25 9.3	0.868	1.613	33.6	19.8	118 W	70	39
8 24	1 19.14	+25 55.0	0.838	1.612	32.5	19.7	121 W	71	38
8 29	1 23.60	+26 32.8	0.809	1.612	31.1	19.6	125 W	72	37
9 3	1 27.19	+27 1.6	0.782	1.613	29.5	19.5	128 W	72	37
9 8	1 29.86	+27 20.4	0.757	1.615	27.6	19.4	132 W	72	37
9 13	1 31.56	+27 28.4	0.735	1.618	25.6	19.2	136 W	72	37
9 18	1 32.33	+27 24.8	0.716	1.621	23.3	19.1	140 W	72	37
9 23	1 32.18	+27 9.1	0.699	1.626	20.8	19.0	145 W	72	37
9 28	1 31.21	+26 40.9	0.686	1.631	18.1	18.9	150 W	72	37
10 3	1 29.53	+26 0.3	0.677	1.637	15.3	18.8	154 W	71	38
10 8	1 27.34	+25 8.0	0.672	1.644	12.6	18.7	159 W	70	39
10 13	1 24.84	+24 5.5	0.671	1.652	10.0	18.6	163 W	69	40
10 18	1 22.31	+22 54.9	0.675	1.661	8.1	18.5	166 E	68	41
10 23	1 19.95	+21 38.8	0.685	1.670	7.5	18.5	167 E	67	42
10 28	1 17.96	+20 20.1	0.699	1.680	8.3	18.6	166 E	65	44
11 2	1 16.52	+19 1.5	0.718	1.690	10.3	18.8	162 E	64	45
11 7	1 15.76	+17 45.7	0.742	1.702	12.7	19.0	158 E	63	46
11 12	1 15.78	+16 35.1	0.771	1.714	15.1	19.1	153 E	62	47
11 17	1 16.61	+15 31.4	0.805	1.726	17.5	19.3	148 E	61	48
11 22	1 18.25	+14 35.6	0.843	1.739	19.7	19.5	144 E	60	49
12 2	1 23.85	+13 9.4	0.931	1.767	23.5	19.9	134 E	58	51
12 12	1 32.26	+12 16.6	1.033	1.797	26.3	20.2	126 E	57	52

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	495863 2003 XV_4 *(continuation)*								
	h m	° ′			°	m	°	°	°
12 22	1 43.03	+11 53.5	1.146	1.829	28.3	20.6	118 E	57	52
1 1	1 55.69	+11 54.3	1.269	1.861	29.6	20.9	111 E	57	52*
1 11	2 9.92	+12 13.6	1.399	1.895	30.2	21.1	104 E	57	51*
1 21	2 25.37	+12 46.1	1.536	1.930	30.3	21.4	98 E	58	49*
	524818 2003 YK_3								
5 26	22 47.09	− 7 57.6	1.968	2.125	28.3	21.5	85 W	25*	71*
6 5	22 59.12	− 5 18.6	1.821	2.090	29.0	21.3	90 W	30*	69
6 15	23 9.90	− 2 31.3	1.678	2.055	29.4	21.1	96 W	35*	67
6 25	23 19.17	+ 0 25.1	1.538	2.020	29.4	20.8	103 W	41*	64
7 5	23 26.63	+ 3 31.3	1.406	1.986	28.9	20.6	109 W	47*	60
7 15	23 31.85	+ 6 47.6	1.281	1.952	27.9	20.3	116 W	52*	57
7 25	23 34.33	+10 13.3	1.167	1.919	26.4	20.0	123 W	55	54
8 4	23 33.53	+13 46.2	1.065	1.887	24.2	19.7	130 W	59	50
8 9	23 31.73	+15 33.5	1.020	1.872	23.0	19.6	134 W	61	48
8 14	23 28.94	+17 19.9	0.979	1.856	21.7	19.4	137 W	62	47
8 19	23 25.14	+19 4.1	0.943	1.842	20.3	19.3	141 W	64	45
8 24	23 20.36	+20 44.3	0.911	1.827	19.1	19.2	144 W	66	43
8 29	23 14.66	+22 18.7	0.884	1.813	18.0	19.1	146 W	67	42
9 3	23 8.16	+23 45.1	0.862	1.799	17.2	19.0	148 W	69	40
9 8	23 1.05	+25 1.6	0.845	1.786	16.8	18.9	149 E	70	39
9 13	22 53.60	+26 6.7	0.833	1.774	16.9	18.8	149 E	71	38
9 18	22 46.11	+26 59.5	0.826	1.761	17.6	18.8	148 E	72	37
9 23	22 38.88	+27 39.8	0.824	1.750	18.6	18.9	146 E	73	36
9 28	22 32.22	+28 8.0	0.827	1.739	20.0	18.9	144 E	73	36
10 3	22 26.41	+28 25.1	0.833	1.728	21.5	18.9	141 E	73	36
10 8	22 21.67	+28 32.7	0.844	1.718	23.2	19.0	137 E	74	35
10 13	22 18.18	+28 32.8	0.858	1.709	24.8	19.1	134 E	74	35
10 18	22 16.03	+28 27.5	0.874	1.700	26.4	19.2	131 E	73	36
10 23	22 15.25	+28 18.6	0.894	1.693	27.9	19.2	127 E	73	36
10 28	22 15.84	+28 7.8	0.915	1.685	29.3	19.3	124 E	73	36
11 2	22 17.75	+27 56.4	0.939	1.679	30.5	19.4	121 E	73	36
11 7	22 20.94	+27 45.6	0.964	1.673	31.6	19.5	118 E	73	36
11 12	22 25.34	+27 36.6	0.991	1.668	32.6	19.6	115 E	73	36
11 17	22 30.85	+27 29.9	1.019	1.664	33.4	19.6	112 E	73	36*
11 22	22 37.39	+27 26.0	1.048	1.661	34.1	19.7	109 E	72	36*
11 27	22 44.88	+27 25.1	1.078	1.658	34.7	19.8	107 E	72	36*
12 2	22 53.24	+27 27.2	1.109	1.656	35.2	19.9	104 E	72	35*
12 7	23 2.41	+27 32.5	1.141	1.656	35.6	19.9	102 E	73	34*
12 12	23 12.32	+27 40.9	1.175	1.655	35.9	20.0	100 E	73	33*
12 22	23 34.06	+28 6.0	1.244	1.658	36.2	20.1	95 E	73	30*
1 1	23 57.99	+28 39.9	1.317	1.663	36.2	20.3	91 E	74	28*
1 11	0 23.73	+29 19.9	1.394	1.672	36.0	20.4	88 E	74*	25*
1 21	0 50.90	+30 2.6	1.476	1.683	35.5	20.5	84 E	74*	23*
	263152 2007 VZ_{253}								
5 26	22 54.45	+11 36.1	3.202	3.113	18.4	21.4	76 W	40*	52*
6 5	23 0.32	+13 29.6	3.062	3.105	18.9	21.4	83 W	45*	51
6 15	23 4.77	+15 21.7	2.920	3.096	19.2	21.3	90 W	52*	49
6 25	23 7.59	+17 10.9	2.779	3.086	19.0	21.1	98 W	58*	47
7 5	23 8.54	+18 55.1	2.642	3.076	18.6	21.0	106 W	63*	45
7 15	23 7.42	+20 31.5	2.512	3.064	17.7	20.9	114 W	66	43
7 25	23 4.04	+21 56.2	2.393	3.051	16.5	20.7	122 W	67	42
8 4	22 58.40	+23 5.1	2.287	3.038	14.9	20.5	130 W	68	41
8 14	22 50.63	+23 53.1	2.199	3.023	13.1	20.4	137 W	69	40
8 24	22 41.19	+24 15.9	2.132	3.008	11.5	20.2	144 W	69	40
8 29	22 36.06	+24 17.1	2.107	3.000	10.8	20.2	146 W	69	40
9 3	22 30.80	+24 11.3	2.089	2.992	10.3	20.1	148 E	69	40
9 8	22 25.53	+23 58.5	2.076	2.983	10.1	20.1	149 E	69	40
9 13	22 20.39	+23 39.2	2.070	2.974	10.2	20.1	148 E	69	40
9 18	22 15.49	+23 14.1	2.070	2.965	10.6	20.1	147 E	68	41
9 23	22 10.96	+22 44.0	2.077	2.956	11.2	20.1	145 E	68	41
9 28	22 6.87	+22 9.7	2.089	2.947	12.0	20.2	142 E	67	42
10 3	22 3.33	+21 32.2	2.107	2.937	12.9	20.2	139 E	67	42
10 8	22 0.39	+20 52.6	2.131	2.927	13.9	20.3	135 E	66	43
10 13	21 58.09	+20 11.9	2.159	2.917	14.9	20.3	131 E	65	44
10 18	21 56.48	+19 31.2	2.192	2.907	15.8	20.4	127 E	65	44
10 23	21 55.53	+18 51.4	2.229	2.896	16.7	20.4	123 E	64	45
10 28	21 55.27	+18 13.1	2.270	2.886	17.5	20.5	119 E	63	46
11 2	21 55.66	+17 36.9	2.314	2.875	18.3	20.6	115 E	63	46
11 7	21 56.69	+17 3.5	2.360	2.863	18.9	20.6	111 E	62	47
11 12	21 58.34	+16 33.3	2.408	2.852	19.4	20.7	107 E	62	47*
11 17	22 0.57	+16 6.7	2.458	2.840	19.9	20.7	102 E	61	47*
11 22	22 3.34	+15 43.7	2.509	2.829	20.2	20.8	98 E	61	46*
11 27	22 6.62	+15 24.5	2.561	2.817	20.4	20.8	95 E	60	45*
12 2	22 10.38	+15 9.2	2.613	2.804	20.6	20.8	91 E	60	43*
12 7	22 14.58	+14 57.8	2.665	2.792	20.6	20.9	87 E	60	40*
12 12	22 19.19	+14 50.4	2.717	2.779	20.6	20.9	83 E	60	38*
12 17	22 24.19	+14 46.9	2.768	2.766	20.5	20.9	80 E	60*	35*
12 22	22 29.54	+14 47.1	2.819	2.753	20.3	21.0	76 E	59*	32*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
263152 2007 VZ_{253} *(continuation)*									
12 27	22 35.21	+14 50.9	2.868	2.740	20.0	21.0	73 E	58*	29*
1 1	22 41.18	+14 58.3	2.915	2.726	19.7	21.0	69 E	57*	26*
1 6	22 47.45	+15 9.1	2.961	2.712	19.3	21.0	66 E	56*	23*
1 11	22 53.97	+15 23.1	3.005	2.699	18.9	21.0	63 E	54*	21*
1 16	23 0.74	+15 40.3	3.047	2.684	18.4	21.0	59 E	52*	18*
1 21	23 7.73	+16 0.3	3.086	2.670	17.9	21.0	56 E	49*	15*
366746 2004 LJ									
5 26	23 7.64	+ 6 22.8	0.097	0.992	100.1	18.7	75 W	34*	56*
5 27	22 48.96	+ 8 2.9	0.095	1.000	95.4	18.5	79 W	38*	56*
5 28	22 29.74	+ 9 42.1	0.095	1.008	90.6	18.3	84 W	43*	54
5 29	22 10.21	+11 18.1	0.095	1.016	85.8	18.1	89 W	47*	53
5 30	21 50.61	+12 48.5	0.095	1.024	81.1	18.0	94 W	52*	51
5 31	21 31.20	+14 11.6	0.097	1.032	76.5	17.9	98 W	55*	50
6 1	21 12.23	+15 26.0	0.099	1.040	72.1	17.8	103 W	58*	49
6 2	20 53.90	+16 30.8	0.101	1.048	68.0	17.7	107 W	61*	47
6 3	20 36.39	+17 26.0	0.105	1.056	64.1	17.7	111 W	62*	47
6 4	20 19.81	+18 11.9	0.109	1.063	60.5	17.7	114 W	63	46
6 5	20 4.25	+18 49.0	0.113	1.071	57.2	17.7	117 W	64	45
6 6	19 49.72	+19 18.2	0.118	1.079	54.3	17.7	120 W	64	45
6 7	19 36.22	+19 40.4	0.123	1.087	51.6	17.7	123 W	65	44
6 8	19 23.74	+19 56.6	0.128	1.094	49.2	17.8	125 W	65	44
6 9	19 12.21	+20 7.5	0.134	1.102	47.0	17.8	127 W	65	44
6 10	19 1.59	+20 14.1	0.140	1.109	45.1	17.9	129 W	65	44
6 11	18 51.82	+20 17.0	0.146	1.117	43.5	17.9	131 W	65	44
6 12	18 42.82	+20 16.7	0.153	1.124	42.0	18.0	132 W	65	44
6 13	18 34.55	+20 13.8	0.160	1.131	40.7	18.1	133 W	65	44
6 14	18 26.93	+20 8.8	0.167	1.139	39.6	18.2	134 W	65	44
6 15	18 19.92	+20 2.0	0.174	1.146	38.7	18.2	135 W	65	44
6 17	18 7.49	+19 44.0	0.189	1.160	37.1	18.4	136 W	65	44
6 19	17 56.91	+19 21.8	0.204	1.174	36.0	18.6	137 W	64	45
6 21	17 47.86	+18 56.7	0.220	1.188	35.3	18.7	138 E	64	45
6 23	17 40.11	+18 29.5	0.236	1.201	34.8	18.9	138 E	63	46
6 25	17 33.45	+18 0.9	0.253	1.215	34.5	19.1	137 E	63	46
6 27	17 27.72	+17 31.2	0.270	1.228	34.4	19.2	137 E	63	46
6 29	17 22.80	+17 0.8	0.287	1.240	34.4	19.4	136 E	62	47
7 1	17 18.57	+16 29.9	0.305	1.253	34.5	19.5	136 E	61	48
7 3	17 14.94	+15 58.6	0.323	1.265	34.7	19.7	135 E	61	48
7 5	17 11.86	+15 27.1	0.341	1.278	34.9	19.8	134 E	60	49
7 10	17 6.14	+14 7.7	0.388	1.307	35.6	20.2	132 E	59	50
7 15	17 2.75	+12 48.7	0.436	1.334	36.4	20.5	129 E	58	51
7 20	17 1.20	+11 30.9	0.486	1.361	37.1	20.8	126 E	57	52
7 25	17 1.14	+10 15.0	0.538	1.385	37.8	21.1	123 E	55	54
7 30	17 2.28	+ 9 1.3	0.590	1.409	38.4	21.3	120 E	54	55
315440 2007 WX_1									
5 26	23 12.08	− 6 45.4	1.952	2.009	29.6	21.4	78 W	23*	68*
6 5	23 30.28	− 5 26.9	1.819	1.976	30.7	21.2	83 W	26*	69*
6 15	23 48.15	− 4 13.8	1.687	1.943	31.5	21.0	88 W	29*	68
6 25	0 5.62	− 3 8.5	1.559	1.910	32.1	20.8	93 W	33*	67
7 5	0 22.57	− 2 13.5	1.435	1.879	32.4	20.6	99 W	37*	66
7 15	0 38.80	− 1 31.6	1.316	1.848	32.2	20.4	104 W	40*	66
7 25	0 54.05	− 1 5.7	1.203	1.819	31.7	20.1	110 W	43*	65
8 4	1 8.01	− 0 58.7	1.097	1.791	30.6	19.9	116 W	44*	65
8 14	1 20.22	− 1 13.7	0.999	1.765	28.9	19.6	123 W	44	65
8 24	1 30.17	− 1 52.4	0.911	1.741	26.5	19.3	130 W	43	66
9 3	1 37.33	− 2 55.1	0.835	1.720	23.3	19.0	138 W	42	67
9 13	1 41.18	− 4 19.1	0.771	1.700	19.5	18.7	146 W	41	68
9 18	1 41.78	− 5 6.9	0.745	1.691	17.4	18.5	150 W	40	69
9 23	1 41.52	− 5 56.6	0.723	1.683	15.2	18.4	154 W	39	70
9 28	1 40.42	− 6 46.5	0.705	1.675	13.2	18.2	158 W	38	71
10 3	1 38.57	− 7 34.6	0.691	1.669	11.5	18.1	161 W	37	72
10 8	1 36.12	− 8 18.7	0.682	1.663	10.5	18.0	162 W	37	72
10 13	1 33.25	− 8 56.5	0.678	1.657	10.4	18.0	163 W	36	73
10 18	1 30.19	− 9 25.9	0.678	1.653	11.3	18.0	161 E	36	73
10 23	1 27.15	− 9 45.6	0.683	1.649	12.9	18.1	158 E	35	74
10 28	1 24.36	− 9 54.4	0.692	1.646	15.0	18.2	155 E	35	74
11 2	1 22.00	− 9 52.0	0.706	1.644	17.3	18.3	150 E	35	74
11 12	1 19.28	− 9 13.5	0.744	1.641	21.8	18.6	142 E	36	73
11 22	1 19.90	− 7 55.3	0.796	1.643	25.7	18.9	134 E	37	72
12 2	1 24.02	− 6 5.9	0.861	1.647	28.9	19.1	126 E	39	70
12 7	1 27.35	− 5 2.2	0.897	1.650	30.2	19.3	122 E	40	69
12 12	1 31.49	− 3 53.9	0.935	1.654	31.4	19.4	119 E	41	68
12 17	1 36.37	− 2 41.9	0.975	1.659	32.3	19.5	116 E	42	67
12 22	1 41.92	− 1 27.3	1.018	1.665	33.1	19.6	113 E	44	65
12 27	1 48.10	− 0 10.8	1.062	1.671	33.7	19.8	110 E	45	64
1 1	1 54.84	+ 1 7.0	1.108	1.678	34.2	19.9	107 E	46	63*
1 6	2 2.11	+ 2 25.5	1.155	1.686	34.5	20.0	104 E	47	61*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
315440 2007 WX_1 *(continuation)*									
1 11	2 9.87	+ 3 44.2	1.205	1.694	34.7	20.1	101 E	49	59*
1 16	2 18.06	+ 5 2.4	1.255	1.703	34.8	20.2	98 E	50	57*
1 21	2 26.64	+ 6 19.6	1.307	1.713	34.9	20.3	96 E	51	55*
368153 1995 UX_1									
5 26	23 16.54	−20 49.0	1.832	1.986	30.4	21.4	83 W	10*	77*
6 5	23 35.81	−19 9.1	1.690	1.935	31.6	21.2	88 W	13*	81*
6 15	23 54.66	−17 26.0	1.551	1.885	32.6	21.0	92 W	17*	81*
6 25	0 12.98	−15 39.6	1.418	1.836	33.4	20.8	97 W	21*	80
7 5	0 30.66	−13 49.4	1.289	1.789	33.9	20.5	101 W	26*	78
7 15	0 47.49	−11 54.9	1.167	1.743	34.1	20.3	106 W	30*	76
7 25	1 3.21	− 9 54.5	1.052	1.700	34.0	20.0	111 W	34*	74
8 4	1 17.50	− 7 45.7	0.944	1.659	33.4	19.7	116 W	37*	72
8 14	1 29.86	− 5 25.2	0.844	1.622	32.2	19.3	121 W	40	69
8 19	1 35.15	− 4 9.2	0.797	1.604	31.4	19.2	124 W	41	68
8 24	1 39.74	− 2 48.3	0.753	1.588	30.3	19.0	128 W	42	67
8 29	1 43.53	− 1 21.8	0.712	1.572	29.0	18.8	131 W	44	65
9 3	1 46.43	+ 0 11.0	0.673	1.558	27.4	18.6	135 W	45	64
9 13	1 49.15	+ 3 37.9	0.604	1.532	23.3	18.2	143 W	49	60
9 23	1 47.35	+ 7 35.4	0.550	1.512	18.1	17.8	152 W	53	56
10 3	1 40.89	+11 58.5	0.513	1.497	12.0	17.5	162 W	57	52
10 8	1 36.12	+14 14.9	0.501	1.492	8.9	17.3	167 W	59	50
10 13	1 30.63	+16 30.8	0.495	1.488	6.6	17.1	170 W	62	47
10 18	1 24.72	+18 43.0	0.493	1.485	6.2	17.1	171 E	64	45
10 23	1 18.77	+20 48.3	0.497	1.484	8.1	17.2	168 E	66	43
10 28	1 13.12	+22 44.2	0.505	1.485	10.9	17.4	164 E	68	41
11 2	1 8.14	+24 29.2	0.518	1.487	14.0	17.5	159 E	69	40
11 7	1 4.15	+26 2.6	0.535	1.490	17.0	17.7	154 E	71	38
11 12	1 1.39	+27 25.2	0.556	1.495	19.8	17.9	149 E	72	37
11 17	1 0.01	+28 37.8	0.581	1.501	22.3	18.1	145 E	74	35
11 22	1 0.06	+29 41.8	0.610	1.509	24.5	18.3	141 E	75	34
11 27	1 1.52	+30 38.4	0.641	1.518	26.5	18.4	137 E	76	33
12 2	1 4.37	+31 28.9	0.675	1.529	28.1	18.6	133 E	76	33
12 7	1 8.52	+32 14.5	0.712	1.540	29.5	18.8	130 E	77	32
12 12	1 13.90	+32 56.2	0.752	1.553	30.7	19.0	126 E	78	31
12 17	1 20.38	+33 34.7	0.793	1.567	31.6	19.1	123 E	79	30
12 22	1 27.85	+34 10.5	0.837	1.582	32.4	19.3	120 E	79	30
12 27	1 36.20	+34 43.8	0.884	1.598	33.0	19.4	118 E	80	29*
1 1	1 45.34	+35 14.9	0.932	1.616	33.5	19.6	115 E	80	29*
1 6	1 55.18	+35 44.0	0.982	1.634	33.8	19.7	112 E	81	28*
1 11	2 5.64	+36 11.2	1.034	1.653	34.0	19.9	110 E	81	27*
1 16	2 16.64	+36 36.3	1.088	1.672	34.1	20.0	108 E	82	26*
1 21	2 28.09	+36 59.4	1.144	1.693	34.1	20.2	105 E	82	26*
7341 1991 VK									
5 26	23 26.52	− 0 36.0	2.352	2.266	25.3	21.5	73 W	25*	61*
6 5	23 39.47	+ 1 9.4	2.185	2.219	26.6	21.3	79 W	30*	62*
6 15	23 51.93	+ 2 55.5	2.015	2.169	27.8	21.1	85 W	35*	61
6 25	0 3.79	+ 4 41.7	1.845	2.117	28.7	20.9	91 W	40*	59
7 5	0 14.93	+ 6 27.9	1.676	2.062	29.3	20.7	97 W	46*	58
7 15	0 25.13	+ 8 13.6	1.510	2.005	29.5	20.4	103 W	51*	56
7 25	0 34.14	+ 9 58.5	1.347	1.946	29.3	20.1	110 W	55*	54
8 4	0 41.60	+11 42.1	1.191	1.885	28.6	19.7	117 W	57	52
8 14	0 46.99	+13 23.3	1.042	1.821	27.2	19.3	125 W	58	51
8 24	0 49.70	+15 1.0	0.904	1.755	25.0	18.9	133 W	60	49
9 3	0 48.89	+16 32.4	0.777	1.687	21.9	18.3	141 W	62	47
9 8	0 46.87	+17 14.4	0.718	1.652	19.9	18.1	146 W	62	47
9 13	0 43.61	+17 52.7	0.663	1.617	17.8	17.8	151 W	63	46
9 18	0 39.02	+18 26.3	0.612	1.582	15.5	17.5	155 W	63	46
9 23	0 33.05	+18 54.1	0.565	1.545	13.2	17.2	159 W	64	45
9 28	0 25.66	+19 14.5	0.523	1.509	11.5	16.9	163 W	64	45
10 3	0 16.90	+19 25.7	0.485	1.472	11.0	16.7	164 E	64	45
10 8	0 6.95	+19 26.3	0.451	1.435	12.3	16.5	162 E	64	45
10 13	23 56.12	+19 15.4	0.422	1.398	15.4	16.4	158 E	64	45
10 18	23 44.79	+18 53.0	0.397	1.361	19.6	16.4	153 E	64	45
10 23	23 33.41	+18 19.9	0.376	1.324	24.6	16.3	146 E	63	46
10 28	23 22.44	+17 37.6	0.357	1.287	30.0	16.3	140 E	63	46
11 2	23 12.30	+16 48.5	0.342	1.250	35.6	16.3	133 E	62	47
11 7	23 3.36	+15 55.4	0.328	1.214	41.2	16.3	126 E	61	48
11 12	22 55.85	+15 1.4	0.316	1.179	46.9	16.3	120 E	60	49
11 17	22 49.84	+14 8.7	0.304	1.144	52.5	16.3	113 E	59	50
11 22	22 45.27	+13 18.5	0.292	1.110	58.1	16.3	107 E	58	51*
12 2	22 39.89	+11 45.8	0.264	1.048	69.4	16.3	96 E	57	49*
12 12	22 37.96	+10 15.1	0.231	0.993	81.1	16.3	85 E	55	44*
12 22	22 36.19	+ 8 15.9	0.192	0.950	94.4	16.4	74 E	53*	38*
12 24	22 35.43	+ 7 43.2	0.183	0.943	97.3	16.4	72 E	52*	36*
12 26	22 34.41	+ 7 5.8	0.174	0.937	100.4	16.4	70 E	51*	35*

7341 1991 *VK* *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 28	22 33.07	+ 6 22.5	0.165	0.931	103.6	16.4	67 E	50*	33*
12 30	22 31.33	+ 5 32.0	0.156	0.926	107.0	16.5	64 E	48*	32*
1 1	22 29.09	+ 4 32.9	0.147	0.922	110.7	16.6	61 E	46*	30*
1 3	22 26.23	+ 3 23.0	0.138	0.918	114.5	16.7	58 E	44*	28*
1 5	22 22.62	+ 2 0.1	0.128	0.915	118.7	16.8	55 E	42*	26*
1 7	22 18.07	+ 0 21.1	0.119	0.913	123.3	17.0	51 E	39*	25*
1 9	22 12.34	− 1 37.7	0.110	0.911	128.2	17.3	47 E	35*	22*
1 11	22 5.16	− 4 0.6	0.102	0.910	133.7	17.6	42 E	31*	20*
1 13	21 56.15	− 6 52.7	0.094	0.910	139.8	18.2	37 E	26*	18*
1 15	21 44.86	−10 19.2	0.086	0.911	146.6	19.0	31 E	20*	15*
1 17	21 30.72	−14 24.5	0.079	0.912	154.2	20.3	24 E	14*	12*

430544 2002 GM_2

5 26	23 45.02	− 3 47.7	1.161	1.247	49.6	21.3	70 W	20*	61*
5 31	0 8.27	− 1 7.5	1.086	1.177	53.0	21.1	68 W	21*	58*
6 5	0 34.17	+ 1 52.3	1.021	1.104	56.9	20.9	66 W	22*	55*
6 10	1 3.06	+ 5 10.3	0.967	1.030	61.0	20.8	63 W	22*	52*
6 15	1 35.18	+ 8 42.3	0.927	0.954	65.3	20.6	59 W	23*	47*
6 20	2 10.58	+12 19.5	0.903	0.877	69.6	20.5	54 W	22*	42*
6 25	2 48.96	+15 49.2	0.898	0.798	73.4	20.4	49 W	22*	37*
6 27	3 5.02	+17 7.7	0.901	0.767	74.6	20.4	47 W	21*	35*
6 29	3 21.42	+18 21.7	0.908	0.735	75.6	20.4	44 W	21*	32*
7 1	3 38.08	+19 30.4	0.918	0.704	76.4	20.3	42 W	20*	30*
7 3	3 54.94	+20 32.9	0.931	0.672	76.8	20.3	40 W	20*	28*
7 5	4 11.96	+21 28.8	0.947	0.642	76.9	20.2	38 W	19*	26*
7 10	4 54.80	+23 16.4	1.002	0.567	75.1	20.0	33 W	17*	21*
7 15	5 37.59	+24 15.6	1.075	0.502	69.7	19.7	28 W	14*	16*
7 20	6 20.01	+24 25.8	1.163	0.452	60.1	19.4	23 W	12*	11*
7 25	7 1.68	+23 48.0	1.258	0.428	47.0	19.0	18 W	9*	7*
7 27	7 17.97	+23 20.3	1.296	0.427	41.3	18.9	16 W	7*	6*
7 29	7 33.94	+22 46.1	1.334	0.431	35.6	18.9	14 W	6*	4*
7 31	7 49.49	+22 6.3	1.371	0.440	30.1	18.8	13 W	5*	3*
8 2	8 4.56	+21 21.5	1.408	0.454	25.0	18.8	11 W	3*	2*
8 4	8 19.09	+20 32.6	1.443	0.471	20.4	18.8	9 W	2*	—
8 6	8 33.05	+19 40.6	1.478	0.493	16.3	18.8	8 W	1*	—
8 8	8 46.41	+18 46.1	1.511	0.516	12.8	18.8	6 W	—	—
8 10	8 59.18	+17 49.9	1.544	0.543	9.8	18.9	5 W	—	—
8 12	9 11.38	+16 52.6	1.577	0.570	7.3	18.9	4 W	—	—
8 14	9 23.02	+15 54.7	1.609	0.599	5.2	18.9	3 W	—	—
8 19	9 49.86	+13 30.0	1.687	0.676	1.4	19.1	1 W	—	—
8 24	10 13.88	+11 8.5	1.765	0.754	0.9	19.4	1 E	—	—
8 29	10 35.52	+ 8 52.6	1.842	0.833	1.9	19.8	2 E	—	—
9 3	10 55.17	+ 6 43.7	1.919	0.911	2.3	20.1	2 E	—	—
9 13	11 29.75	+ 2 47.5	2.068	1.063	1.8	20.5	2 E	—	—
9 23	11 59.55	− 0 40.6	2.211	1.208	0.6	20.8	1 W	—	—
10 3	12 25.85	− 3 43.9	2.345	1.346	1.8	21.3	2 W	—	—
10 13	12 49.52	− 6 25.9	2.465	1.476	3.9	21.8	6 W	—	—

499986 2011 *NP*

5 26	23 51.08	−72 29.6	0.662	1.329	48.0	21.4	103 W	—	42*
5 28	23 48.98	−72 24.3	0.645	1.325	47.9	21.4	104 W	—	42*
5 30	23 46.12	−72 20.2	0.627	1.322	47.8	21.3	105 W	—	43*
6 1	23 42.45	−72 17.1	0.609	1.319	47.7	21.2	106 W	—	43*
6 3	23 37.86	−72 14.9	0.591	1.316	47.4	21.1	107 W	—	43*
6 5	23 32.27	−72 13.3	0.573	1.313	47.2	21.1	108 W	—	44*
6 7	23 25.56	−72 11.9	0.555	1.310	46.8	21.0	110 W	—	44*
6 9	23 17.63	−72 10.2	0.537	1.308	46.4	20.9	111 W	—	44
6 11	23 8.36	−72 7.6	0.519	1.305	46.0	20.8	113 W	—	44
6 13	22 57.64	−72 3.2	0.500	1.303	45.4	20.7	114 W	—	44
6 15	22 45.38	−71 55.8	0.482	1.300	44.7	20.6	116 W	—	44
6 17	22 31.55	−71 44.2	0.465	1.298	43.9	20.5	118 W	—	44
6 19	22 16.15	−71 26.7	0.447	1.296	43.0	20.4	120 W	—	45
6 21	21 59.29	−71 1.3	0.430	1.294	42.0	20.3	122 W	—	45
6 23	21 41.16	−70 25.9	0.413	1.292	40.8	20.1	124 W	—	46
6 25	21 22.08	−69 38.0	0.396	1.291	39.5	20.0	126 W	—	46
6 26	21 12.30	−69 8.7	0.388	1.290	38.7	19.9	127 W	—	47
6 27	21 2.44	−68 35.4	0.380	1.289	37.9	19.9	129 W	—	47
6 28	20 52.55	−67 57.8	0.373	1.288	37.1	19.8	130 W	—	48
6 29	20 42.69	−67 15.6	0.365	1.288	36.3	19.7	131 W	—	49
6 30	20 32.92	−66 28.6	0.358	1.287	35.3	19.7	133 W	—	50
7 1	20 23.29	−65 36.6	0.351	1.287	34.4	19.6	134 W	—	50
7 2	20 13.86	−64 39.3	0.344	1.286	33.4	19.5	136 W	—	51
7 3	20 4.67	−63 36.6	0.337	1.285	32.4	19.5	137 W	—	52
7 4	19 55.76	−62 28.4	0.331	1.285	31.3	19.4	139 W	—	54
7 5	19 47.16	−61 14.6	0.325	1.284	30.2	19.3	141 W	—	55
7 7	19 30.98	−58 30.1	0.314	1.284	27.9	19.2	144 W	—	58
7 9	19 16.28	−55 23.7	0.305	1.283	25.6	19.0	147 W	—	61

499986 2011 *NP* *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
7 11	19 3.09	−51 56.6	0.297	1.282	23.4	18.9	150 E	—	64
7 13	18 51.37	−48 11.3	0.291	1.282	21.4	18.8	153 E	—	68
7 15	18 41.05	−44 11.2	0.287	1.282	19.9	18.7	155 E	1	72
7 17	18 32.03	−40 0.6	0.285	1.281	19.1	18.7	156 E	5	76
7 19	18 24.19	−35 44.2	0.285	1.281	19.2	18.7	156 E	9	80
7 21	18 17.41	−31 27.2	0.288	1.282	20.1	18.7	154 E	14	85
7 23	18 11.58	−27 14.3	0.292	1.282	21.7	18.8	152 E	18	89
7 25	18 6.59	−23 9.5	0.299	1.282	23.7	18.9	150 E	22	87
7 27	18 2.34	−19 16.1	0.307	1.283	26.0	19.1	146 E	26	83
7 29	17 58.76	−15 36.4	0.317	1.283	28.3	19.2	143 E	29	80
7 31	17 55.77	−12 11.8	0.329	1.284	30.6	19.3	140 E	33	76
8 2	17 53.31	− 9 2.8	0.342	1.285	32.8	19.5	137 E	36	73
8 4	17 51.32	− 6 9.4	0.356	1.286	34.9	19.6	134 E	39	70
8 6	17 49.76	− 3 31.1	0.372	1.288	36.7	19.8	131 E	41	68
8 8	17 48.58	− 1 6.9	0.388	1.289	38.4	19.9	128 E	44	65
8 10	17 47.75	+ 1 4.0	0.405	1.290	39.9	20.1	125 E	46	63
8 12	17 47.24	+ 3 2.7	0.423	1.292	41.2	20.2	123 E	48	61
8 14	17 47.02	+ 4 50.5	0.441	1.294	42.4	20.3	121 E	50	59
8 16	17 47.07	+ 6 28.2	0.460	1.296	43.4	20.5	118 E	51	58
8 18	17 47.35	+ 7 57.0	0.479	1.298	44.3	20.6	116 E	53	56
8 20	17 47.85	+ 9 17.7	0.498	1.300	45.1	20.7	115 E	54	55
8 22	17 48.56	+10 31.2	0.518	1.302	45.7	20.8	113 E	56	53
8 24	17 49.45	+11 38.3	0.537	1.305	46.3	20.9	111 E	57	52
8 29	17 52.41	+14 1.6	0.587	1.311	47.3	21.1	107 E	59	50
9 3	17 56.30	+15 57.1	0.638	1.319	47.9	21.3	104 E	61	48
9 8	18 1.01	+17 31.1	0.688	1.326	48.1	21.5	101 E	63*	46
9 13	18 6.47	+18 48.8	0.737	1.335	48.1	21.7	99 E	64*	45

486739 2014 EW_{24}

6 5	0 9.21	−11 27.1	0.807	1.146	59.6	21.5	77 W	15*	70*
6 15	0 59.23	− 6 37.6	0.759	1.078	64.4	21.3	73 W	17*	65*
6 25	1 51.81	− 1 8.8	0.736	1.011	69.1	21.3	68 W	19*	59*
7 5	2 45.86	+ 4 33.9	0.738	0.947	73.0	21.3	63 W	22*	52*
7 15	3 40.19	+ 9 58.2	0.767	0.889	75.3	21.3	58 W	25*	46*
7 25	4 33.96	+14 36.4	0.818	0.841	75.5	21.3	53 W	28*	39*
8 4	5 26.74	+18 10.7	0.887	0.807	73.4	21.3	50 W	30*	34*
8 14	6 18.16	+20 33.2	0.968	0.790	69.5	21.4	47 W	32*	29*
8 24	7 7.69	+21 43.6	1.055	0.793	64.5	21.4	45 W	33*	25*
9 3	7 54.66	+21 48.5	1.143	0.815	59.3	21.5	44 W	34*	22*

159635 2002 CZ_{46}

6 5	0 15.48	+ 8 45.0	1.609	1.537	37.5	21.5	67 W	30*	52*
6 15	0 43.99	+10 34.6	1.501	1.492	39.7	21.3	70 W	33*	51*
6 25	1 14.28	+12 13.3	1.398	1.447	41.8	21.2	72 W	36*	51*
7 5	1 46.62	+13 36.4	1.301	1.403	44.0	21.0	73 W	39*	50*
7 15	2 21.17	+14 37.7	1.213	1.360	46.1	20.8	75 W	42*	49*
7 25	2 57.95	+15 10.6	1.133	1.319	48.2	20.7	76 W	44*	48*
8 4	3 36.78	+15 8.9	1.064	1.281	50.2	20.5	76 W	46*	48*
8 14	4 17.19	+14 27.5	1.006	1.246	52.1	20.4	76 W	48*	48*
8 24	4 58.45	+13 4.4	0.959	1.216	53.8	20.3	76 W	48*	49*
9 3	5 39.72	+11 2.0	0.925	1.191	55.2	20.2	76 W	48*	50*
9 8	6 0.08	+ 9 47.9	0.912	1.180	55.8	20.2	76 W	47*	50*
9 13	6 20.11	+ 8 26.7	0.902	1.171	56.3	20.2	76 W	47*	51*
9 18	6 39.74	+ 6 59.8	0.893	1.164	56.7	20.1	75 W	46*	52*
9 23	6 58.90	+ 5 28.4	0.887	1.158	56.9	20.1	75 W	46*	52*
9 28	7 17.55	+ 3 54.0	0.883	1.154	57.1	20.1	75 W	45*	53*
10 3	7 35.64	+ 2 17.8	0.880	1.152	57.1	20.1	75 W	44*	54*
10 8	7 53.14	+ 0 41.0	0.879	1.152	57.1	20.1	75 W	43*	54*
10 13	8 10.03	− 0 55.3	0.877	1.153	56.9	20.1	76 W	42*	55*
10 18	8 26.31	− 2 30.1	0.877	1.156	56.7	20.1	76 W	41*	56*
10 23	8 41.98	− 4 2.7	0.876	1.161	56.4	20.1	76 W	40*	57*
10 28	8 57.04	− 5 32.4	0.875	1.168	56.0	20.1	77 W	39*	58*
11 2	9 11.49	− 6 58.7	0.874	1.176	55.6	20.1	78 W	38*	59*
11 12	9 38.54	− 9 39.0	0.869	1.198	54.5	20.1	80 W	35	62*
11 22	10 3.08	−12 0.2	0.858	1.225	53.1	20.1	83 W	33	66*
12 2	10 25.03	−13 59.6	0.842	1.257	51.5	20.0	86 W	31	70*
12 7	10 34.95	−14 50.0	0.832	1.274	50.6	20.0	89 W	30	72*
12 12	10 44.12	−15 33.6	0.820	1.292	49.6	20.0	91 W	29	75*
12 17	10 52.48	−16 9.6	0.807	1.312	48.5	19.9	94 W	29	77*
12 22	11 0.01	−16 37.6	0.792	1.331	47.2	19.9	97 W	28	80*
12 27	11 6.62	−16 56.8	0.776	1.352	45.8	19.8	100 W	28	81*
1 1	11 12.25	−17 6.3	0.759	1.373	44.2	19.8	103 W	28	81
1 6	11 16.81	−17 4.8	0.741	1.394	42.4	19.7	107 W	28	81
1 11	11 20.24	−16 51.3	0.723	1.416	40.3	19.6	111 W	28	81
1 16	11 22.49	−16 24.6	0.705	1.438	38.0	19.6	116 W	29	80
1 21	11 23.50	−15 43.4	0.687	1.460	35.4	19.5	121 W	29	80

337557 2001 SF_{262}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
6 5	1 7.76	−14 46.5	1.401	1.360	43.1	21.5	66 W	4*	60*
6 10	1 16.47	−12 3.1	1.358	1.350	44.0	21.4	68 W	7*	62*
6 15	1 24.99	− 9 13.3	1.316	1.340	45.0	21.4	69 W	11*	62*
6 20	1 33.33	− 6 16.3	1.272	1.332	45.9	21.3	70 W	15*	63*
6 25	1 41.53	− 3 11.2	1.229	1.324	46.7	21.2	72 W	19*	62*
6 30	1 49.65	+ 0 3.0	1.186	1.317	47.6	21.2	73 W	24*	61*
7 5	1 57.70	+ 3 27.2	1.143	1.311	48.4	21.1	74 W	29*	59*
7 10	2 5.73	+ 7 2.5	1.101	1.306	49.1	21.0	76 W	34*	56*
7 15	2 13.76	+10 49.5	1.061	1.302	49.7	21.0	78 W	40*	53*
7 20	2 21.84	+14 49.2	1.022	1.299	50.2	20.9	79 W	46*	49*
7 25	2 30.03	+19 2.0	0.986	1.297	50.6	20.8	81 W	52*	45*
7 30	2 38.39	+23 28.0	0.952	1.296	50.9	20.7	82 W	58*	41
8 4	2 46.98	+28 6.7	0.922	1.296	51.1	20.7	84 W	64*	36
8 9	2 55.86	+32 56.9	0.895	1.297	51.2	20.6	85 W	70*	31
8 14	3 5.15	+37 56.8	0.873	1.299	51.1	20.6	87 W	75*	26
8 19	3 14.98	+43 3.5	0.855	1.302	51.0	20.5	88 W	81*	21
8 24	3 25.54	+48 13.7	0.842	1.306	50.7	20.5	89 W	83*	16
8 29	3 37.10	+53 23.2	0.834	1.311	50.4	20.5	90 W	81*	11
9 3	3 50.04	+58 27.9	0.831	1.317	50.0	20.5	91 W	76*	6
9 5	3 55.71	+60 27.3	0.831	1.320	49.8	20.5	91 W	75*	4
9 7	4 1.75	+62 25.0	0.832	1.322	49.6	20.5	91 W	73	2
9 9	4 8.21	+64 20.5	0.833	1.325	49.4	20.5	92 W	71	—
9 11	4 15.16	+66 13.7	0.835	1.328	49.2	20.5	92 W	69	—
9 13	4 22.71	+68 4.2	0.838	1.332	49.0	20.5	92 W	67	—
9 15	4 30.99	+69 51.7	0.841	1.335	48.8	20.5	92 W	65	—
9 17	4 40.14	+71 36.1	0.845	1.339	48.6	20.5	92 W	63	—
9 19	4 50.39	+73 16.9	0.849	1.342	48.4	20.5	92 W	62	—
9 21	5 2.00	+74 53.9	0.854	1.346	48.2	20.5	92 W	60	—
9 23	5 15.32	+76 26.7	0.859	1.350	48.0	20.5	93 W	59	—
9 24	5 22.78	+77 11.3	0.862	1.352	47.9	20.5	93 W	58	—
9 25	5 30.85	+77 54.7	0.865	1.354	47.7	20.5	93 W	57	—
9 26	5 39.62	+78 36.7	0.868	1.356	47.6	20.5	93 W	56	—
9 27	5 49.19	+79 17.4	0.871	1.358	47.5	20.6	93 W	56*	—
9 28	5 59.68	+79 56.4	0.874	1.360	47.4	20.6	93 W	55*	—
9 29	6 11.20	+80 33.8	0.877	1.362	47.3	20.6	93 W	54*	—
9 30	6 23.89	+81 9.4	0.880	1.364	47.2	20.6	93 W	54*	—
10 1	6 37.91	+81 42.9	0.884	1.366	47.1	20.6	93 W	53*	—
10 2	6 53.40	+82 14.2	0.887	1.368	46.9	20.6	93 W	53*	—
10 3	7 10.52	+82 43.1	0.891	1.371	46.8	20.6	93 W	52*	—
10 4	7 29.37	+83 9.1	0.894	1.373	46.7	20.6	93 W	52*	—
10 5	7 50.04	+83 32.1	0.898	1.375	46.6	20.6	93 W	51*	—
10 6	8 12.49	+83 51.8	0.901	1.378	46.5	20.6	93 W	50*	—
10 7	8 36.59	+84 7.8	0.905	1.380	46.3	20.6	93 W	50*	—
10 8	9 2.05	+84 19.8	0.908	1.382	46.2	20.6	93 W	50*	—
10 9	9 28.43	+84 27.9	0.912	1.385	46.1	20.7	93 W	49*	—
10 10	9 55.16	+84 31.9	0.916	1.387	46.0	20.7	93 W	49*	—
10 11	10 21.64	+84 31.9	0.919	1.389	45.9	20.7	93 W	48*	—
10 12	10 47.29	+84 28.2	0.923	1.392	45.7	20.7	93 W	48*	—
10 13	11 11.67	+84 21.2	0.927	1.394	45.6	20.7	93 W	48*	—
10 14	11 34.44	+84 11.3	0.931	1.397	45.5	20.7	93 W	47*	—
10 15	11 55.44	+83 59.0	0.934	1.399	45.4	20.7	93 W	47*	—
10 16	12 14.64	+83 44.6	0.938	1.402	45.3	20.7	93 W	47*	—
10 17	12 32.09	+83 28.7	0.942	1.404	45.1	20.7	93 W	46*	—
10 18	12 47.91	+83 11.5	0.946	1.407	45.0	20.7	93 W	46*	—
10 19	13 2.24	+82 53.4	0.949	1.410	44.9	20.8	93 W	46*	—
10 20	13 15.24	+82 34.6	0.953	1.412	44.8	20.8	93 W	45*	—
10 21	13 27.05	+82 15.4	0.957	1.415	44.6	20.8	93 W	45*	—
10 22	13 37.81	+81 55.9	0.961	1.418	44.5	20.8	93 W	45*	—
10 23	13 47.65	+81 36.2	0.964	1.420	44.4	20.8	93 W	45*	—
10 24	13 56.70	+81 16.6	0.968	1.423	44.3	20.8	93 E	45*	—
10 25	14 5.03	+80 57.1	0.972	1.426	44.2	20.8	93 E	45*	—
10 26	14 12.75	+80 37.8	0.975	1.428	44.0	20.8	93 E	45*	—
10 27	14 19.92	+80 18.7	0.979	1.431	43.9	20.8	93 E	46*	—
10 28	14 26.62	+79 59.9	0.982	1.434	43.8	20.8	93 E	46*	—
10 29	14 32.89	+79 41.5	0.986	1.437	43.7	20.8	93 E	46*	—
10 30	14 38.79	+79 23.5	0.989	1.439	43.5	20.8	93 E	46*	—
10 31	14 44.36	+79 5.9	0.993	1.442	43.4	20.9	93 E	46*	—
11 1	14 49.64	+78 48.8	0.996	1.445	43.3	20.9	93 E	46*	—
11 2	14 54.65	+78 32.2	0.999	1.448	43.2	20.9	93 E	46*	—
11 3	14 59.42	+78 16.1	1.003	1.451	43.1	20.9	93 E	47*	—
11 4	15 3.99	+78 0.5	1.006	1.454	42.9	20.9	93 E	47*	—
11 5	15 8.36	+77 45.4	1.009	1.456	42.8	20.9	93 E	47*	—
11 6	15 12.57	+77 30.9	1.012	1.459	42.7	20.9	93 E	47*	—
11 7	15 16.62	+77 16.9	1.015	1.462	42.6	20.9	94 E	47*	—
11 8	15 20.53	+77 3.5	1.018	1.465	42.4	20.9	94 E	47*	—
11 9	15 24.31	+76 50.6	1.021	1.468	42.3	20.9	94 E	47*	—
11 10	15 27.98	+76 38.3	1.024	1.471	42.2	20.9	94 E	47*	—
11 11	15 31.54	+76 26.7	1.027	1.474	42.1	20.9	94 E	47*	—
11 12	15 35.01	+76 15.5	1.030	1.477	42.0	20.9	94 E	47*	—

337557 2001 SF_{262} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
11 14	15 41.69	+75 55.0	1.036	1.483	41.7	21.0	94 E	47*	—
11 16	15 48.09	+75 36.9	1.041	1.489	41.5	21.0	94 E	47*	—
11 18	15 54.25	+75 21.0	1.046	1.495	41.2	21.0	95 E	47*	—
11 20	16 0.22	+75 7.6	1.051	1.501	41.0	21.0	95 E	47*	—
11 22	16 6.04	+74 56.4	1.055	1.507	40.7	21.0	95 E	47*	—
11 24	16 11.74	+74 47.6	1.059	1.514	40.5	21.0	95 E	47*	—
11 26	16 17.34	+74 41.2	1.064	1.520	40.3	21.0	96 E	47*	—
11 28	16 22.88	+74 37.1	1.067	1.526	40.0	21.0	96 E	47*	—
11 30	16 28.37	+74 35.3	1.071	1.532	39.8	21.1	96 E	47*	—
12 2	16 33.84	+74 36.0	1.074	1.538	39.6	21.1	97 E	47*	—
12 4	16 39.30	+74 38.9	1.078	1.545	39.3	21.1	97 W	47*	—
12 6	16 44.77	+74 44.3	1.081	1.551	39.1	21.1	97 W	47*	—
12 8	16 50.28	+74 52.0	1.084	1.557	38.8	21.1	98 W	47*	—
12 10	16 55.83	+75 2.0	1.086	1.564	38.6	21.1	98 W	48*	—
12 12	17 1.45	+75 14.3	1.089	1.570	38.4	21.1	98 W	48*	—
12 14	17 7.17	+75 28.9	1.091	1.576	38.1	21.1	99 W	48*	—
12 16	17 13.01	+75 45.7	1.093	1.583	37.9	21.1	99 W	48*	—
12 18	17 19.00	+76 4.9	1.096	1.589	37.6	21.1	100 W	49*	—
12 20	17 25.18	+76 26.2	1.098	1.595	37.4	21.1	100 W	49*	—
12 22	17 31.59	+76 49.7	1.100	1.602	37.2	21.1	100 W	49*	—
12 24	17 38.28	+77 15.3	1.102	1.608	36.9	21.1	101 W	49*	—
12 26	17 45.32	+77 43.0	1.103	1.615	36.7	21.1	101 W	49*	—
12 28	17 52.78	+78 12.8	1.105	1.621	36.5	21.1	102 W	49*	—
12 30	18 0.74	+78 44.6	1.107	1.627	36.2	21.2	102 W	49*	—
1 1	18 9.34	+79 18.3	1.109	1.634	36.0	21.2	102 W	48*	—
1 2	18 13.92	+79 35.9	1.110	1.637	35.9	21.2	103 W	48*	—
1 3	18 18.71	+79 53.8	1.111	1.640	35.8	21.2	103 W	48*	—
1 4	18 23.75	+80 12.2	1.112	1.643	35.7	21.2	103 W	48*	—
1 5	18 29.06	+80 31.0	1.114	1.646	35.5	21.2	103 W	48*	—
1 6	18 34.68	+80 50.1	1.115	1.649	35.4	21.2	103 W	48*	—
1 7	18 40.65	+81 9.6	1.116	1.653	35.3	21.2	104 W	48*	—
1 8	18 47.02	+81 29.4	1.117	1.656	35.2	21.2	104 W	48*	—
1 9	18 53.85	+81 49.4	1.118	1.659	35.1	21.2	104 W	47*	—
1 10	19 1.19	+82 9.6	1.120	1.662	35.0	21.2	104 W	47*	—
1 11	19 9.15	+82 30.0	1.121	1.665	34.9	21.2	104 W	47*	—
1 12	19 17.79	+82 50.5	1.122	1.668	34.8	21.2	105 W	47*	—
1 13	19 27.25	+83 11.0	1.124	1.671	34.7	21.2	105 W	47*	—
1 14	19 37.66	+83 31.4	1.125	1.674	34.6	21.2	105 W	46*	—
1 15	19 49.16	+83 51.6	1.127	1.678	34.5	21.2	105 E	46*	—
1 16	20 1.94	+84 11.4	1.129	1.681	34.4	21.2	105 E	46*	—
1 17	20 16.22	+84 30.6	1.130	1.684	34.3	21.2	105 E	46*	—
1 18	20 32.23	+84 49.1	1.132	1.687	34.2	21.2	106 E	47*	—
1 19	20 50.22	+85 6.5	1.134	1.690	34.1	21.2	106 E	47*	—
1 20	21 10.43	+85 22.6	1.136	1.693	34.0	21.2	106 E	47*	—
1 21	21 33.06	+85 36.9	1.138	1.696	33.9	21.2	106 E	47*	—

264932 2002 VV_{34}

6 5	1 19.50	−14 6.0	3.048	2.751	19.3	21.5	64 W	2*	57*
6 15	1 32.68	−13 20.6	2.908	2.719	20.4	21.4	69 W	7*	63*
6 25	1 45.30	−12 44.5	2.762	2.687	21.4	21.3	75 W	11*	69*
7 5	1 57.23	−12 18.5	2.614	2.654	22.2	21.2	81 W	17*	73*
7 15	2 8.29	−12 3.7	2.463	2.620	22.8	21.0	87 W	22*	76*
7 25	2 18.25	−12 0.9	2.312	2.585	23.1	20.9	94 W	26*	76
8 4	2 26.88	−12 10.5	2.163	2.550	23.0	20.7	100 W	30*	76
8 14	2 33.81	−12 32.8	2.017	2.514	22.6	20.5	107 W	32*	77
8 24	2 38.68	−13 7.2	1.877	2.477	21.7	20.3	115 W	32	77
9 3	2 41.06	−13 52.1	1.745	2.440	20.4	20.1	122 W	31	78
9 13	2 40.50	−14 44.3	1.625	2.402	18.6	19.8	130 W	30	79
9 18	2 39.01	−15 11.3	1.570	2.383	17.6	19.7	134 W	30	79
9 23	2 36.66	−15 37.8	1.519	2.364	16.4	19.6	138 W	29	80
9 28	2 33.47	−16 2.7	1.473	2.345	15.3	19.4	142 W	29	80
10 3	2 29.42	−16 24.6	1.431	2.325	14.2	19.3	145 W	29	80
10 8	2 24.58	−16 42.2	1.395	2.306	13.2	19.2	148 W	28	81
10 13	2 19.03	−16 53.9	1.365	2.286	12.4	19.1	150 W	28	81
10 18	2 12.90	−16 58.4	1.340	2.267	12.1	19.0	152 W	28	81
10 23	2 6.36	−16 54.4	1.322	2.247	12.2	19.0	152 W	28	81
10 28	1 59.58	−16 41.2	1.309	2.227	12.8	19.0	150 E	28	81
11 2	1 52.77	−16 18.0	1.303	2.207	13.8	19.0	148 E	29	80
11 7	1 46.14	−15 44.8	1.303	2.188	15.2	19.0	145 E	29	80
11 12	1 39.90	−15 1.5	1.309	2.168	16.8	19.1	141 E	30	79
11 17	1 34.24	−14 9.0	1.320	2.148	18.5	19.1	137 E	31	78
11 22	1 29.27	−13 8.1	1.336	2.128	20.1	19.2	132 E	32	77
11 27	1 25.12	−11 59.7	1.356	2.108	21.8	19.2	128 E	33	76
12 2	1 21.84	−10 45.0	1.381	2.089	23.3	19.3	123 E	34	75
12 7	1 19.48	− 9 24.8	1.409	2.069	24.7	19.4	119 E	36	73
12 12	1 18.05	− 8 0.4	1.440	2.050	26.0	19.4	114 E	37	72
12 17	1 17.54	− 6 32.4	1.473	2.030	27.1	19.5	110 E	38	71
12 22	1 17.91	− 5 1.8	1.509	2.011	28.1	19.6	106 E	40	69*
12 27	1 19.13	− 3 29.0	1.546	1.992	28.9	19.6	102 E	42	67*
1 1	1 21.14	− 1 54.8	1.584	1.973	29.6	19.7	98 E	43	64*
1 6	1 23.92	− 0 19.3	1.623	1.954	30.1	19.7	94 E	45	61*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
		264932 2002 VV_{34}				*(continuation)*			
1 11	1 27.43	+ 1 17.1	1.662	1.935	30.5	19.8	90 E	46	57*
1 16	1 31.60	+ 2 53.9	1.702	1.917	30.8	19.8	87 E	48	54*
1 21	1 36.40	+ 4 31.0	1.741	1.899	31.0	19.8	83 E	50	50*
		387541 2000 VN_{61}							
6 5	1 33.91	+ 2 6.0	2.628	2.159	21.8	21.4	52 W	12*	45*
6 15	1 50.04	+ 4 47.2	2.496	2.118	23.7	21.3	57 W	17*	48*
6 25	2 6.24	+ 7 32.1	2.361	2.077	25.5	21.2	61 W	23*	50*
7 5	2 22.53	+10 21.8	2.223	2.037	27.2	21.1	66 W	30*	50*
7 15	2 38.91	+13 17.6	2.083	1.998	28.7	21.0	71 W	38*	49*
7 25	2 55.38	+16 21.2	1.943	1.960	30.2	20.8	76 W	46*	47*
8 4	3 11.93	+19 34.9	1.805	1.922	31.4	20.6	81 W	53*	44*
8 14	3 28.53	+23 1.0	1.670	1.887	32.4	20.5	86 W	61*	41
8 24	3 45.13	+26 42.7	1.540	1.852	33.1	20.3	91 W	69*	37
9 3	4 1.67	+30 43.3	1.416	1.820	33.5	20.1	96 W	75*	33
9 13	4 18.00	+35 6.0	1.300	1.790	33.5	19.8	101 W	80	29
9 23	4 33.93	+39 53.4	1.195	1.762	33.1	19.6	106 W	85	24
9 28	4 41.67	+42 26.7	1.147	1.750	32.8	19.5	109 W	87	22
10 3	4 49.17	+45 6.3	1.103	1.737	32.5	19.4	111 W	90	19
10 8	4 56.37	+47 51.6	1.062	1.726	32.0	19.3	114 W	87	16
10 13	5 3.16	+50 41.9	1.025	1.715	31.5	19.2	116 W	84	13
10 18	5 9.44	+53 36.0	0.992	1.706	31.0	19.1	118 W	81	10
10 23	5 15.06	+56 32.4	0.963	1.697	30.5	19.0	120 W	78	7
10 28	5 19.81	+59 29.2	0.939	1.688	30.0	18.9	122 W	76	5
11 2	5 23.42	+62 24.2	0.918	1.681	29.6	18.8	123 W	73	2
11 4	5 24.47	+63 33.0	0.911	1.678	29.4	18.8	124 W	71	—
11 6	5 25.25	+64 41.0	0.905	1.676	29.3	18.8	124 W	70	—
11 8	5 25.74	+65 47.8	0.899	1.674	29.2	18.8	125 W	69	—
11 10	5 25.90	+66 53.3	0.894	1.671	29.1	18.7	125 W	68	—
11 12	5 25.72	+67 57.2	0.890	1.669	29.0	18.7	125 W	67	—
11 14	5 25.15	+68 59.5	0.886	1.667	28.9	18.7	125 W	66	—
11 16	5 24.15	+69 59.8	0.883	1.666	28.9	18.7	126 W	65	—
11 18	5 22.70	+70 58.1	0.881	1.664	28.9	18.7	126 W	64	—
11 20	5 20.74	+71 54.0	0.879	1.662	28.8	18.7	126 W	63	—
11 22	5 18.24	+72 47.4	0.877	1.661	28.8	18.7	126 W	62	—
11 24	5 15.17	+73 38.0	0.876	1.660	28.8	18.7	126 W	61	—
11 26	5 11.48	+74 25.7	0.876	1.659	28.9	18.7	126 W	61	—
11 28	5 7.15	+75 10.3	0.876	1.658	28.9	18.7	126 W	60	—
11 30	5 2.18	+75 51.5	0.877	1.657	29.0	18.7	126 W	59	—
12 2	4 56.58	+76 29.2	0.878	1.657	29.0	18.7	125 W	59	—
12 4	4 50.37	+77 3.2	0.880	1.656	29.1	18.7	125 W	58	—
12 6	4 43.63	+77 33.3	0.882	1.656	29.2	18.7	125 E	57	—
12 8	4 36.43	+77 59.6	0.884	1.656	29.3	18.7	125 E	57	—
12 10	4 28.90	+78 21.9	0.887	1.656	29.4	18.7	124 E	57	—
12 12	4 21.19	+78 40.2	0.891	1.656	29.5	18.7	124 E	56	—
12 13	4 17.31	+78 48.0	0.892	1.657	29.6	18.7	124 E	56	—
12 14	4 13.45	+78 54.8	0.894	1.657	29.6	18.7	124 E	56	—
12 15	4 9.62	+79 0.6	0.896	1.657	29.7	18.7	124 E	56	—
12 16	4 5.85	+79 5.6	0.898	1.657	29.7	18.8	123 E	56	—
12 17	4 2.16	+79 9.6	0.900	1.658	29.8	18.8	123 E	56	—
12 18	3 58.57	+79 12.8	0.903	1.658	29.9	18.8	123 E	56	—
12 19	3 55.10	+79 15.2	0.905	1.659	29.9	18.8	123 E	56	—
12 20	3 51.76	+79 16.7	0.907	1.659	30.0	18.8	123 E	56	—
12 21	3 48.58	+79 17.5	0.910	1.660	30.0	18.8	122 E	56	—
12 22	3 45.57	+79 17.5	0.912	1.660	30.1	18.8	122 E	56	—
12 23	3 42.74	+79 16.8	0.915	1.661	30.2	18.8	122 E	56	—
12 24	3 40.11	+79 15.5	0.917	1.661	30.2	18.8	122 E	56	—
12 25	3 37.69	+79 13.4	0.920	1.662	30.3	18.8	122 E	56	—
12 26	3 35.48	+79 10.8	0.923	1.663	30.3	18.8	121 E	56	—
12 27	3 33.50	+79 7.5	0.926	1.663	30.4	18.8	121 E	56	—
12 28	3 31.74	+79 3.7	0.929	1.664	30.5	18.9	121 E	56	—
12 29	3 30.20	+78 59.4	0.932	1.665	30.5	18.9	121 E	56	—
12 30	3 28.91	+78 54.6	0.935	1.666	30.6	18.9	121 E	56	—
12 31	3 27.84	+78 49.3	0.938	1.667	30.6	18.9	120 E	56	—
1 1	3 27.00	+78 43.5	0.941	1.668	30.7	18.9	120 E	56	—
1 3	3 26.02	+78 30.7	0.948	1.669	30.8	18.9	120 E	56	—
1 5	3 25.93	+78 16.5	0.955	1.672	30.9	18.9	119 E	57	—
1 7	3 26.68	+78 0.8	0.962	1.674	31.0	19.0	119 E	57	—
1 9	3 28.24	+77 43.9	0.969	1.676	31.1	19.0	118 E	57	—
1 11	3 30.52	+77 25.9	0.977	1.679	31.2	19.0	118 E	58	—
1 13	3 33.48	+77 6.7	0.985	1.681	31.3	19.0	117 E	58	—
1 15	3 37.06	+76 46.5	0.993	1.684	31.4	19.1	117 E	58	—
1 17	3 41.18	+76 25.3	1.001	1.687	31.5	19.1	116 E	59	—
1 19	3 45.80	+76 3.1	1.010	1.690	31.6	19.1	116 E	59	—
1 21	3 50.85	+75 39.9	1.019	1.694	31.6	19.1	115 E	59	—

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
		66063 1998 RO_1							
6 5	1 34.41	+ 9 15.7	1.754	1.332	35.1	21.4	49 W	17*	40*
6 15	2 2.63	+13 10.5	1.608	1.245	39.2	21.2	51 W	21*	40*
6 25	2 36.09	+17 29.2	1.463	1.146	43.8	20.9	51 W	25*	37*
7 5	3 17.56	+22 8.7	1.328	1.034	49.1	20.6	50 W	29*	33*
7 15	4 10.96	+26 49.3	1.214	0.907	55.0	20.3	47 W	31*	28*
7 17	4 23.48	+27 41.4	1.195	0.880	56.2	20.2	46 W	31*	26*
7 19	4 36.68	+28 30.6	1.177	0.852	57.5	20.2	45 W	31*	25*
7 21	4 50.60	+29 16.2	1.161	0.823	58.7	20.1	44 W	31*	23*
7 23	5 5.25	+29 57.2	1.147	0.793	59.9	20.0	42 W	30*	22*
7 25	5 20.63	+30 32.5	1.136	0.763	61.0	20.0	41 W	30*	20*
7 27	5 36.72	+31 1.2	1.126	0.732	62.1	19.9	40 W	29*	18*
7 29	5 53.48	+31 21.9	1.119	0.700	63.0	19.8	38 W	28*	17*
7 31	6 10.88	+31 33.6	1.114	0.668	63.8	19.7	36 W	27*	15*
8 2	6 28.83	+31 35.1	1.112	0.635	64.4	19.6	34 W	26*	13*
8 4	6 47.24	+31 25.3	1.113	0.601	64.8	19.5	32 W	25*	12*
8 6	7 6.00	+31 3.2	1.116	0.566	64.8	19.4	30 W	23*	10*
8 8	7 25.02	+30 28.0	1.123	0.531	64.4	19.3	28 W	21*	8*
8 10	7 44.17	+29 38.9	1.133	0.495	63.4	19.1	26 W	19*	6*
8 12	8 3.36	+28 35.2	1.146	0.459	61.7	18.9	24 W	17*	4*
8 14	8 22.51	+27 16.4	1.162	0.423	59.2	18.7	21 W	15*	3*
8 19	9 9.85	+22 48.7	1.213	0.340	47.0	18.0	14 W	8*	—
8 24	9 56.00	+16 34.9	1.265	0.285	23.8	17.0	7 W	—	—
8 29	10 39.49	+ 9 0.2	1.293	0.287	8.8	16.5	2 E	—	—
9 3	11 18.45	+ 1 18.7	1.293	0.346	30.3	17.7	10 E	—	4*
9 5	11 32.87	− 1 35.5	1.289	0.378	36.0	18.0	13 E	—	6*
9 7	11 46.78	− 4 21.9	1.287	0.412	40.3	18.3	15 E	—	9*
9 9	12 0.30	− 7 0.4	1.285	0.448	43.4	18.6	18 E	—	11*
9 11	12 13.51	− 9 30.8	1.284	0.484	45.6	18.8	20 E	—	13*
9 13	12 26.48	−11 53.4	1.286	0.519	47.1	19.0	22 E	—	15*
9 18	12 58.16	−17 15.5	1.297	0.607	48.6	19.4	27 E	—	19*
9 23	13 29.07	−21 49.8	1.321	0.690	48.3	19.7	31 E	—	23*
9 28	13 59.32	−25 38.3	1.355	0.769	46.9	20.0	34 E	—	26*
10 3	14 28.86	−28 44.1	1.398	0.843	45.1	20.2	37 E	—	28*
10 8	14 57.54	−31 10.9	1.449	0.912	43.0	20.4	39 E	—	30*
10 13	15 25.19	−33 3.2	1.505	0.977	40.9	20.5	40 E	—	32*
10 18	15 51.67	−34 25.6	1.565	1.038	38.7	20.7	41 E	—	33*
10 23	16 16.88	−35 22.6	1.629	1.096	36.6	20.8	41 E	—	34*
10 28	16 40.79	−35 58.5	1.695	1.150	34.6	21.0	41 E	—	34*
11 2	17 3.40	−36 16.8	1.763	1.200	32.6	21.1	41 E	—	34*
11 7	17 24.74	−36 20.8	1.831	1.248	30.8	21.2	40 E	—	34*
11 12	17 44.88	−36 13.0	1.898	1.293	28.9	21.3	39 E	1*	33*
11 17	18 3.90	−35 55.7	1.966	1.334	27.2	21.4	38 E	1*	32*
11 22	18 21.87	−35 30.4	2.031	1.374	25.5	21.5	37 E	2*	31*
		439931 2001 RT_{46}							
6 5	1 39.20	+ 2 35.1	2.015	1.581	29.8	21.4	51 W	11*	44*
6 15	2 8.60	+ 3 30.6	1.923	1.546	31.7	21.3	53 W	13*	46*
6 25	2 39.06	+ 4 13.9	1.837	1.512	33.6	21.2	55 W	15*	47*
7 5	3 10.51	+ 4 42.7	1.758	1.481	35.3	21.1	57 W	18*	48*
7 15	3 42.79	+ 4 54.8	1.686	1.453	36.9	21.0	59 W	21*	49*
7 25	4 15.66	+ 4 48.7	1.622	1.428	38.2	21.0	60 W	24*	50*
8 4	4 48.84	+ 4 24.2	1.565	1.407	39.5	20.9	62 W	27*	50*
8 14	5 21.96	+ 3 41.6	1.517	1.390	40.5	20.8	63 W	29*	51*
8 24	5 54.65	+ 2 42.7	1.475	1.377	41.3	20.8	64 W	31*	51*
9 3	6 26.60	+ 1 30.0	1.439	1.370	42.0	20.7	65 W	33*	52*
9 13	6 57.48	+ 0 6.8	1.407	1.367	42.5	20.7	67 W	35*	52*
9 23	7 27.06	− 1 23.1	1.377	1.369	42.9	20.6	68 W	36*	53*
10 3	7 55.19	− 2 56.1	1.347	1.376	43.1	20.6	70 W	37*	54*
10 13	8 21.69	− 4 28.6	1.316	1.388	43.2	20.6	72 W	38*	56*
10 23	8 46.47	− 5 56.7	1.282	1.405	43.2	20.5	75 W	38*	58*
11 2	9 9.44	− 7 16.9	1.244	1.425	43.0	20.5	78 W	38*	60*
11 12	9 30.41	− 8 25.5	1.201	1.450	42.6	20.5	82 W	37	63*
11 17	9 40.10	− 8 54.0	1.178	1.463	42.3	20.4	84 W	36	65*
11 22	9 49.23	− 9 17.9	1.153	1.477	41.9	20.4	87 W	36	66*
11 27	9 57.76	− 9 36.6	1.128	1.493	41.4	20.4	90 W	35	68*
12 2	10 5.66	− 9 49.3	1.101	1.508	40.8	20.3	92 W	35	70*
12 7	10 12.86	− 9 55.3	1.073	1.525	40.0	20.3	96 W	35	72*
12 12	10 19.32	− 9 53.6	1.044	1.542	39.1	20.2	99 W	35	73*
12 17	10 25.00	− 9 43.2	1.015	1.559	38.0	20.1	103 W	35	74*
12 22	10 29.84	− 9 23.2	0.985	1.577	36.8	20.0	106 W	36	73
12 27	10 33.78	− 8 52.4	0.956	1.595	35.2	20.0	111 W	36	73
1 1	10 36.75	− 8 9.7	0.927	1.614	33.4	19.9	115 W	37	72
1 6	10 38.71	− 7 13.9	0.900	1.633	31.4	19.8	120 W	38	71
1 11	10 39.60	− 6 4.0	0.874	1.652	29.0	19.7	125 W	39	70
1 16	10 39.43	− 4 39.6	0.851	1.672	26.3	19.6	131 W	40	69
1 21	10 38.21	− 3 0.4	0.832	1.691	23.3	19.4	137 W	42	67

418797 2008 *VF*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
6 5	1 52.07	+35 38.7	0.646	0.676	100.2	21.3	41 W	31*	17*
6 7	1 54.27	+36 21.4	0.670	0.687	96.8	21.3	42 W	32*	18*
6 9	1 57.06	+37 0.2	0.694	0.697	93.7	21.3	43 W	33*	18*
6 11	2 0.37	+37 35.5	0.717	0.708	90.9	21.2	44 W	34*	18*
6 13	2 4.13	+38 7.6	0.739	0.719	88.2	21.2	45 W	35*	18*
6 15	2 8.29	+38 36.8	0.761	0.731	85.8	21.2	46 W	36*	18*
6 17	2 12.79	+39 3.4	0.782	0.743	83.5	21.2	47 W	37*	18*
6 19	2 17.59	+39 27.6	0.802	0.755	81.4	21.3	47 W	37*	18*
6 21	2 22.65	+39 49.5	0.822	0.767	79.4	21.3	48 W	38*	18*
6 23	2 27.93	+40 9.4	0.840	0.779	77.6	21.3	49 W	39*	18*
6 25	2 33.40	+40 27.2	0.858	0.792	75.9	21.3	49 W	39*	18*
6 30	2 47.75	+41 3.9	0.898	0.823	72.3	21.4	50 W	41*	18*
7 5	3 2.76	+41 30.2	0.933	0.854	69.2	21.4	52 W	42*	18*
7 10	3 18.19	+41 47.0	0.961	0.884	66.7	21.5	53 W	44*	18*
7 15	3 33.81	+41 54.9	0.985	0.914	64.6	21.6	54 W	45*	18*

250680 2005 QC_5

6 5	1 54.18	−10 14.8	0.263	0.888	111.6	20.8	54 W	—	48*
6 10	1 49.76	−14 1.7	0.265	0.921	103.4	20.4	62 W	—	55*
6 15	1 46.80	−17 29.5	0.266	0.952	96.2	20.2	69 W	1*	62*
6 20	1 44.82	−20 45.0	0.267	0.982	89.7	20.0	75 W	2*	68*
6 25	1 43.36	−23 54.7	0.267	1.010	83.8	19.8	81 W	3*	74*
6 30	1 41.96	−27 4.3	0.265	1.036	78.3	19.6	87 W	3*	79*
7 5	1 40.12	−30 19.1	0.263	1.061	73.2	19.5	93 W	4*	83*
7 10	1 37.28	−33 42.9	0.260	1.084	68.2	19.3	98 W	3*	82*
7 15	1 32.78	−37 17.6	0.256	1.105	63.3	19.2	104 W	3*	79
7 20	1 25.90	−41 2.8	0.253	1.125	58.6	19.1	109 W	1*	75
7 25	1 15.77	−44 55.1	0.251	1.142	54.0	19.0	114 W	—	71
7 27	1 10.57	−46 28.8	0.250	1.149	52.3	18.9	117 W	—	70
7 29	1 4.61	−48 1.9	0.249	1.155	50.6	18.9	119 W	—	68
7 31	0 57.80	−49 33.9	0.249	1.161	48.9	18.8	120 W	—	66
8 2	0 50.07	−51 3.8	0.249	1.167	47.4	18.8	122 W	—	65
8 4	0 41.34	−52 30.5	0.249	1.172	45.9	18.8	124 W	—	63
8 6	0 31.56	−53 52.9	0.250	1.177	44.5	18.8	126 W	—	62
8 8	0 20.70	−55 9.7	0.251	1.182	43.3	18.7	127 W	—	61
8 10	0 8.77	−56 19.6	0.252	1.186	42.2	18.7	128 W	—	60
8 12	23 55.81	−57 21.3	0.254	1.191	41.2	18.7	129 W	—	59
8 14	23 41.95	−58 13.7	0.256	1.195	40.4	18.7	130 W	—	58
8 16	23 27.36	−58 55.7	0.259	1.198	39.8	18.7	131 W	—	57
8 18	23 12.24	−59 26.6	0.262	1.201	39.3	18.8	131 W	—	57
8 20	22 56.88	−59 46.2	0.266	1.204	39.0	18.8	131 W	—	56
8 22	22 41.54	−59 54.4	0.270	1.207	38.9	18.8	131 W	—	56
8 24	22 26.52	−59 51.6	0.274	1.210	38.9	18.9	131 W	—	56
8 25	22 19.20	−59 46.2	0.277	1.211	39.0	18.9	131 W	—	56
8 26	22 12.05	−59 38.4	0.279	1.212	39.1	18.9	131 E	—	56
8 27	22 5.10	−59 28.2	0.282	1.213	39.2	18.9	131 E	—	57
8 28	21 58.37	−59 15.7	0.284	1.214	39.4	19.0	130 E	—	57
8 29	21 51.87	−59 1.1	0.287	1.214	39.6	19.0	130 E	—	57
8 30	21 45.62	−58 44.6	0.290	1.215	39.9	19.0	130 E	—	57
8 31	21 39.63	−58 26.2	0.293	1.216	40.1	19.0	129 E	—	58
9 1	21 33.92	−58 6.2	0.296	1.216	40.4	19.1	129 E	—	58
9 2	21 28.47	−57 44.6	0.299	1.217	40.7	19.1	128 E	—	58
9 3	21 23.31	−57 21.6	0.303	1.217	41.0	19.1	128 E	—	59
9 5	21 13.82	−56 32.1	0.309	1.218	41.7	19.2	127 E	—	59
9 7	21 5.42	−55 38.6	0.316	1.219	42.4	19.3	125 E	—	60
9 9	20 58.07	−54 42.0	0.324	1.219	43.2	19.4	124 E	—	61
9 11	20 51.70	−53 43.2	0.331	1.218	44.0	19.4	123 E	—	62
9 13	20 46.25	−52 43.0	0.339	1.218	44.8	19.5	121 E	—	63
9 15	20 41.62	−51 41.8	0.347	1.217	45.7	19.6	120 E	—	64
9 17	20 37.76	−50 40.2	0.355	1.216	46.5	19.6	119 E	—	65
9 19	20 34.59	−49 38.6	0.364	1.215	47.4	19.7	117 E	—	66
9 21	20 32.03	−48 37.2	0.372	1.213	48.2	19.8	116 E	—	67
9 23	20 30.02	−47 36.2	0.381	1.211	49.0	19.9	114 E	—	68
9 25	20 28.52	−46 35.9	0.390	1.209	49.8	19.9	113 E	—	69
9 27	20 27.47	−45 36.3	0.398	1.206	50.6	20.0	111 E	—	70
9 29	20 26.83	−44 37.4	0.407	1.204	51.4	20.1	110 E	—	71
10 1	20 26.55	−43 39.5	0.416	1.201	52.2	20.1	109 E	1	72
10 3	20 26.61	−42 42.4	0.425	1.197	53.0	20.2	107 E	2	73
10 8	20 28.04	−40 23.4	0.447	1.187	54.8	20.3	104 E	5	76
10 13	20 30.98	−38 9.7	0.468	1.176	56.6	20.5	100 E	7	78
10 18	20 35.07	−36 0.8	0.488	1.163	58.3	20.6	97 E	9	80
10 23	20 40.06	−33 56.0	0.508	1.147	59.9	20.7	94 E	11	82
10 28	20 45.73	−31 54.3	0.525	1.130	61.5	20.8	91 E	13	83*
11 2	20 51.94	−29 55.0	0.542	1.111	63.2	20.8	88 E	15	82*
11 7	20 58.58	−27 57.5	0.556	1.091	64.8	20.9	85 E	17	79*
11 12	21 5.50	−26 0.9	0.567	1.068	66.5	21.0	82 E	19	75*
11 17	21 12.60	−24 5.0	0.576	1.044	68.3	21.0	79 E	21	71*
11 22	21 19.74	−22 9.1	0.583	1.018	70.3	21.0	76 E	23	67*
11 27	21 26.82	−20 12.9	0.586	0.990	72.5	21.1	73 E	25	63*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 2	21 33.71	−18 16.2	0.586	0.961	74.9	21.1	70 E	27*	58*
12 7	21 40.29	−16 18.8	0.582	0.930	77.6	21.1	67 E	29*	54*
12 12	21 46.34	−14 20.9	0.575	0.897	80.7	21.1	64 E	30*	49*
12 17	21 51.60	−12 23.0	0.563	0.864	84.4	21.1	61 E	32*	44*
12 22	21 55.74	−10 26.1	0.548	0.829	88.7	21.1	57 E	33*	40*
12 27	21 58.32	− 8 31.9	0.530	0.794	93.8	21.2	54 E	33*	34*
1 1	21 58.77	− 6 43.2	0.508	0.758	100.0	21.3	49 E	33*	29*
1 6	21 56.31	− 5 4.5	0.484	0.723	107.4	21.4	45 E	32*	23*

203471 2002 AU_4

6 5	2 48.42	+10 24.3	0.832	0.536	93.2	21.0	32 W	4*	26*
6 10	3 8.54	+10 17.0	0.924	0.545	83.2	20.8	32 W	4*	26*
6 15	3 29.31	+10 38.7	1.014	0.561	74.1	20.8	32 W	4*	26*
6 20	3 50.32	+11 18.8	1.101	0.585	66.1	20.8	32 W	4*	25*
6 25	4 11.29	+12 8.7	1.181	0.615	59.4	20.8	31 W	5*	25*
6 30	4 32.01	+13 2.4	1.255	0.649	53.7	20.9	31 W	6*	24*
7 5	4 52.38	+13 55.4	1.323	0.685	49.1	21.0	31 W	7*	24*
7 10	5 12.32	+14 45.2	1.384	0.722	45.4	21.1	30 W	8*	23*
7 15	5 31.80	+15 30.1	1.439	0.759	42.4	21.2	30 W	9*	22*
7 20	5 50.83	+16 9.1	1.488	0.796	40.0	21.3	30 W	11*	22*
7 25	6 9.42	+16 41.9	1.531	0.832	38.1	21.5	30 W	12*	21*

509352 2007 *AG*

6 5	2 55.75	+20 5.6	0.875	0.463	93.5	21.5	27 W	10*	18*
6 7	3 1.03	+21 0.6	0.917	0.471	87.8	21.4	28 W	11*	18*
6 9	3 7.12	+21 52.9	0.959	0.480	82.5	21.3	28 W	12*	18*
6 11	3 13.89	+22 42.1	1.000	0.491	77.6	21.3	28 W	12*	18*
6 13	3 21.22	+23 28.0	1.040	0.504	73.1	21.3	28 W	13*	18*
6 15	3 28.99	+24 10.5	1.079	0.517	69.0	21.3	28 W	13*	17*
6 20	3 49.82	+25 41.3	1.170	0.554	60.3	21.3	28 W	14*	17*
6 25	4 11.78	+26 50.4	1.251	0.594	53.4	21.4	28 W	15*	16*
6 30	4 34.19	+27 39.1	1.324	0.634	48.1	21.5	28 W	15*	15*
7 5	4 56.58	+28 9.1	1.388	0.675	43.9	21.7	27 W	16*	14*

162142 1998 *VR*

6 5	3 0.87	− 6 37.9	0.543	0.691	109.9	20.7	40 W	—	32*
6 7	3 1.68	− 7 12.2	0.561	0.702	106.3	20.6	42 W	—	34*
6 9	3 2.87	− 7 37.7	0.579	0.714	102.9	20.6	43 W	—	36*
6 11	3 4.38	− 7 55.6	0.597	0.726	99.8	20.5	45 W	—	37*
6 13	3 6.19	− 8 6.9	0.614	0.738	96.9	20.5	46 W	—	39*
6 15	3 8.25	− 8 12.6	0.631	0.750	94.3	20.4	47 W	—	40*
6 17	3 10.53	− 8 13.6	0.647	0.762	91.9	20.4	49 W	—	42*
6 19	3 13.02	− 8 10.3	0.663	0.774	89.6	20.4	50 W	—	43*
6 21	3 15.67	− 8 3.6	0.678	0.787	87.5	20.4	51 W	—	44*
6 23	3 18.47	− 7 53.8	0.692	0.799	85.6	20.4	52 W	—	45*
6 25	3 21.41	− 7 41.4	0.705	0.811	83.8	20.4	53 W	—	46*
6 30	3 29.22	− 7 1.5	0.736	0.842	79.9	20.5	55 W	2*	49*
7 5	3 37.56	− 6 12.5	0.761	0.872	76.7	20.5	57 W	5*	51*
7 10	3 46.24	− 5 17.5	0.782	0.900	74.0	20.5	58 W	9*	52*
7 15	3 55.18	− 4 18.8	0.797	0.928	71.7	20.6	60 W	12*	54*
7 20	4 4.27	− 3 17.7	0.808	0.954	69.8	20.6	62 W	15*	55*
7 25	4 13.50	− 2 15.1	0.814	0.979	68.3	20.6	64 W	19*	55*
7 30	4 22.82	− 1 11.5	0.816	1.003	66.9	20.6	65 W	22*	56*
8 4	4 32.22	− 0 7.4	0.813	1.025	65.8	20.6	67 W	26*	56*
8 9	4 41.67	+ 0 57.1	0.807	1.045	64.9	20.6	69 W	29*	57*
8 14	4 51.16	+ 2 2.2	0.796	1.064	64.1	20.6	71 W	33*	57*
8 19	5 0.69	+ 3 8.1	0.783	1.080	63.5	20.6	73 W	36*	56*
8 24	5 10.27	+ 4 15.2	0.765	1.096	62.9	20.6	75 W	39*	56*
8 29	5 19.92	+ 5 24.0	0.745	1.109	62.4	20.5	77 W	42*	56*
9 3	5 29.64	+ 6 35.1	0.722	1.121	62.0	20.4	79 W	45*	55*
9 8	5 39.46	+ 7 49.3	0.696	1.131	61.6	20.4	81 W	48*	54*
9 13	5 49.40	+ 9 7.7	0.668	1.139	61.3	20.3	83 W	51*	53*
9 18	5 59.49	+10 31.6	0.638	1.145	61.0	20.2	85 W	53*	52*
9 23	6 9.82	+12 2.5	0.607	1.150	60.7	20.1	87 W	56*	51*
9 28	6 20.45	+13 42.2	0.574	1.153	60.4	20.0	90 W	58*	49*
10 3	6 31.47	+15 33.0	0.540	1.154	60.1	19.8	92 W	60*	48*
10 8	6 43.02	+17 37.6	0.505	1.153	59.8	19.7	94 W	63*	46*
10 13	6 55.26	+19 59.5	0.470	1.151	59.5	19.5	97 W	65	44*
10 18	7 8.48	+22 42.5	0.435	1.146	59.2	19.3	99 W	68	41*
10 23	7 23.09	+25 51.3	0.401	1.140	59.0	19.1	101 W	71	38*
10 28	7 39.66	+29 30.5	0.368	1.133	58.9	18.9	103 W	75	34*
11 2	7 59.03	+33 44.4	0.338	1.123	59.0	18.7	104 W	79	30*
11 4	8 7.84	+35 36.3	0.326	1.119	59.1	18.6	104 W	81	28*
11 6	8 17.42	+37 34.1	0.315	1.114	59.3	18.6	105 W	83	26*
11 8	8 27.90	+39 37.5	0.305	1.110	59.6	18.5	105 W	85	24*
11 10	8 39.44	+41 45.9	0.295	1.104	60.0	18.4	105 W	87	22*
11 12	8 52.25	+43 58.4	0.286	1.099	60.5	18.4	105 W	89	19*
11 14	9 6.55	+46 13.5	0.278	1.093	61.1	18.3	105 W	89	17*
11 16	9 22.61	+48 29.5	0.270	1.087	61.9	18.2	104 W	87	14*
11 18	9 40.69	+50 43.6	0.264	1.081	62.8	18.2	104 W	84	11*

(continuation)

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		162142 1998 *VR*						*(continuation)*	
	h m	° ′			°	m	°	°	°
11 20	10 1.10	+52 52.8	0.258	1.075	63.8	18.2	103 W	82	9*
11 22	10 24.05	+54 52.9	0.254	1.068	65.0	18.2	102 W	80	6*
11 23	10 36.54	+55 48.2	0.252	1.064	65.7	18.2	101 W	79	5*
11 24	10 49.70	+56 39.6	0.250	1.061	66.4	18.2	100 W	78*	3*
11 25	11 3.51	+57 26.3	0.249	1.057	67.1	18.2	99 W	77*	2*
11 26	11 17.95	+58 7.9	0.248	1.053	67.8	18.2	99 W	77*	1*
11 27	11 32.96	+58 43.8	0.247	1.050	68.6	18.2	98 W	76*	—
11 28	11 48.45	+59 13.4	0.247	1.046	69.4	18.2	97 W	75*	—
11 29	12 4.33	+59 36.4	0.246	1.042	70.3	18.2	96 W	74*	—
11 30	12 20.47	+59 52.5	0.246	1.038	71.1	18.2	95 W	72*	—
12 1	12 36.74	+60 1.4	0.246	1.034	72.0	18.3	94 W	71*	—
12 2	12 53.00	+60 3.2	0.247	1.030	72.9	18.3	93 W	70*	—
12 3	13 9.11	+59 58.0	0.247	1.026	73.8	18.3	92 W	69*	—
12 4	13 24.92	+59 45.9	0.248	1.021	74.8	18.3	91 W	68*	—
12 5	13 40.33	+59 27.3	0.250	1.017	75.7	18.4	90 W	67*	—
12 6	13 55.22	+59 2.7	0.251	1.013	76.6	18.4	89 W	66*	—
12 7	14 9.53	+58 32.5	0.252	1.008	77.6	18.4	88 W	65*	—
12 8	14 23.19	+57 57.2	0.254	1.004	78.5	18.5	87 W	64*	—
12 9	14 36.17	+57 17.5	0.256	0.999	79.4	18.5	86 W	63*	—
12 10	14 48.45	+56 33.8	0.258	0.995	80.4	18.6	85 W	63*	—
12 11	15 0.04	+55 46.8	0.261	0.990	81.3	18.6	84 W	62*	—
12 12	15 10.94	+54 56.9	0.263	0.985	82.2	18.6	82 W	61*	—
12 13	15 21.19	+54 4.5	0.266	0.980	83.1	18.7	81 W	60*	—
12 14	15 30.80	+53 10.1	0.269	0.976	84.0	18.7	80 W	59*	—
12 15	15 39.82	+52 14.1	0.272	0.971	84.9	18.8	79 W	59*	—
12 16	15 48.27	+51 16.7	0.275	0.966	85.7	18.8	78 W	58*	—
12 17	15 56.20	+50 18.4	0.278	0.961	86.6	18.9	77 W	57*	—
12 18	16 3.65	+49 19.2	0.282	0.956	87.4	18.9	76 W	57*	—
12 19	16 10.64	+48 19.6	0.285	0.950	88.3	19.0	75 W	56*	—
12 20	16 17.21	+47 19.5	0.289	0.945	89.1	19.0	74 W	55*	—
12 21	16 23.40	+46 19.2	0.292	0.940	89.9	19.1	73 W	55*	—
12 22	16 29.23	+45 18.8	0.296	0.935	90.7	19.1	72 W	54*	—
12 24	16 39.94	+43 18.0	0.304	0.924	92.2	19.2	70 W	53*	—
12 26	16 49.54	+41 17.6	0.312	0.913	93.7	19.3	68 W	52*	—
12 28	16 58.21	+39 18.1	0.321	0.902	95.1	19.4	66 W	52*	—
12 30	17 6.08	+37 19.4	0.329	0.890	96.5	19.5	64 W	51*	—
1 1	17 13.29	+35 21.7	0.338	0.879	97.8	19.6	62 W	50*	—
1 3	17 19.94	+33 24.8	0.347	0.867	99.1	19.7	61 W	49*	—
1 5	17 26.12	+31 28.5	0.357	0.855	100.3	19.8	59 W	48*	—
1 7	17 31.91	+29 32.8	0.366	0.843	101.4	19.8	57 W	48*	—
1 9	17 37.38	+27 37.3	0.376	0.831	102.5	19.9	56 W	47*	—
1 11	17 42.60	+25 41.9	0.387	0.819	103.5	20.0	54 W	46*	—
1 13	17 47.61	+23 46.4	0.397	0.806	104.4	20.1	53 W	45*	—
1 15	17 52.49	+21 50.6	0.408	0.794	105.3	20.2	51 W	44*	—
1 17	17 57.26	+19 54.6	0.419	0.782	106.0	20.2	50 W	43*	1*
1 19	18 1.99	+17 58.3	0.430	0.769	106.7	20.3	48 W	42*	3*
1 21	18 6.72	+16 1.6	0.442	0.757	107.3	20.3	47 W	41*	5*
		396793 2004 JN_2							
6 5	3 2.53	+24 33.3	1.191	0.509	57.7	21.1	25 W	12*	14*
6 10	3 43.76	+24 32.9	1.248	0.460	50.0	20.8	20 W	8*	11*
6 15	4 25.59	+23 52.3	1.310	0.428	39.3	20.4	15 W	4*	7*
6 20	5 7.27	+22 36.4	1.371	0.418	27.0	20.1	11 W	—	4*
6 25	5 47.72	+20 54.1	1.427	0.434	15.9	19.9	7 W	—	1*
6 27	6 3.31	+20 8.0	1.447	0.446	12.8	19.9	6 W	—	—
6 29	6 18.49	+19 19.9	1.466	0.462	10.9	19.9	5 W	—	—
7 1	6 33.22	+18 30.3	1.485	0.480	10.3	20.0	5 W	—	—
7 3	6 47.50	+17 39.5	1.503	0.500	10.9	20.2	5 W	—	—
7 5	7 1.31	+16 48.1	1.521	0.522	12.0	20.3	6 E	—	—
7 10	7 33.83	+14 38.3	1.566	0.581	15.3	20.7	9 E	—	1*
7 15	8 3.63	+12 29.4	1.611	0.644	17.7	21.1	11 E	—	4*
7 20	8 31.00	+10 23.6	1.658	0.708	19.1	21.4	13 E	—	6*
7 25	8 56.21	+ 8 22.3	1.708	0.771	19.7	21.7	15 E	—	8*
		192563 1998 WZ_6							
6 5	3 25.95	+ 9 46.6	2.673	1.797	13.4	21.5	24 W	—	18*
6 15	3 47.43	+11 51.0	2.593	1.757	15.5	21.4	28 W	2*	21*
6 25	4 9.81	+13 50.3	2.503	1.714	17.8	21.4	31 W	6*	24*
7 5	4 33.28	+15 44.2	2.406	1.668	20.1	21.3	34 W	11*	26*
7 15	4 58.03	+17 32.1	2.302	1.620	22.5	21.2	38 W	17*	27*
7 25	5 24.29	+19 13.2	2.193	1.568	24.9	21.1	41 W	22*	28*
8 4	5 52.34	+20 46.0	2.081	1.514	27.4	21.0	43 W	27*	28*
8 14	6 22.52	+22 8.6	1.966	1.457	30.0	20.9	46 W	32*	27*
8 24	6 55.17	+23 18.1	1.853	1.398	32.6	20.7	48 W	36*	26*
9 3	7 30.69	+24 9.8	1.742	1.337	35.2	20.6	50 W	40*	24*
9 13	8 9.41	+24 37.6	1.637	1.274	37.9	20.4	51 W	42*	23*
9 18	8 30.04	+24 40.0	1.588	1.242	39.2	20.3	51 W	43*	21*
9 23	8 51.50	+24 33.0	1.542	1.210	40.6	20.3	52 W	44*	20*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		192563 1998 WZ_6						*(continuation)*	
	h m	° ′			°	m	°	°	°
9 28	9 13.80	+24 15.5	1.499	1.178	41.9	20.2	52 W	44*	19*
10 3	9 36.87	+23 46.2	1.460	1.147	43.1	20.1	52 W	45*	18*
10 8	10 0.61	+23 3.8	1.424	1.115	44.3	20.0	51 W	44*	17*
10 13	10 24.92	+22 7.5	1.394	1.084	45.4	19.9	51 W	44*	16*
10 18	10 49.64	+20 56.5	1.369	1.054	46.4	19.9	50 W	44*	14*
10 23	11 14.63	+19 30.7	1.349	1.025	47.2	19.8	49 W	43*	13*
10 28	11 39.70	+17 50.2	1.334	0.997	47.8	19.7	48 W	42*	12*
11 2	12 4.71	+15 56.1	1.326	0.971	48.2	19.7	47 W	41*	11*
11 7	12 29.48	+13 49.6	1.323	0.946	48.4	19.6	46 W	39*	11*
11 12	12 53.89	+11 32.6	1.325	0.924	48.3	19.6	44 W	38*	10*
11 17	13 17.87	+ 9 7.3	1.333	0.905	47.9	19.5	43 W	36*	10*
11 22	13 41.35	+ 6 35.8	1.346	0.889	47.2	19.5	41 W	35*	10*
11 27	14 4.32	+ 4 0.6	1.363	0.876	46.2	19.4	40 W	33*	10*
12 2	14 26.79	+ 1 23.9	1.384	0.866	45.1	19.4	38 W	31*	11*
12 7	14 48.79	− 1 12.1	1.407	0.861	43.7	19.4	37 W	30*	11*
12 12	15 10.36	− 3 45.3	1.433	0.860	42.3	19.4	36 W	28*	12*
12 17	15 31.54	− 6 14.1	1.461	0.862	40.7	19.4	35 W	26*	13*
12 22	15 52.39	− 8 36.9	1.489	0.869	39.2	19.4	34 W	24*	15*
12 27	16 12.96	−10 52.4	1.518	0.880	37.8	19.4	33 W	23*	16*
1 1	16 33.28	−12 59.5	1.547	0.894	36.4	19.5	33 W	21*	17*
1 6	16 53.38	−14 57.4	1.575	0.911	35.3	19.5	32 W	19*	19*
1 11	17 13.27	−16 45.5	1.602	0.932	34.2	19.6	32 W	17*	20*
1 16	17 32.95	−18 23.5	1.629	0.955	33.4	19.7	32 W	16*	22*
1 21	17 52.42	−19 51.2	1.654	0.980	32.7	19.7	33 W	14*	23*
		364136 2006 *CJ*							
6 5	4 33.10	+23 55.4	1.258	0.259	17.9	18.7	5 W	—	—
6 6	4 41.76	+24 13.2	1.289	0.283	13.0	18.8	4 W	—	—
6 7	4 50.22	+24 27.6	1.317	0.307	9.4	18.9	3 W	—	—
6 8	4 58.45	+24 38.8	1.343	0.331	6.9	19.0	2 W	—	—
6 9	5 6.42	+24 47.5	1.368	0.355	5.5	19.1	2 W	—	—
6 10	5 14.14	+24 53.8	1.391	0.378	5.2	19.2	2 E	—	—
6 11	5 21.62	+24 58.1	1.413	0.401	5.7	19.4	2 E	—	—
6 12	5 28.86	+25 0.5	1.435	0.423	6.4	19.6	3 E	—	—
6 13	5 35.88	+25 1.3	1.455	0.444	7.1	19.8	3 E	—	—
6 14	5 42.68	+25 0.7	1.475	0.466	7.8	19.9	4 E	—	—
6 15	5 49.27	+24 58.8	1.494	0.486	8.5	20.1	4 E	—	—
6 17	6 1.89	+24 51.7	1.531	0.526	9.5	20.4	5 E	—	—
6 19	6 13.81	+24 40.9	1.566	0.564	10.2	20.6	6 E	—	—
6 21	6 25.08	+24 27.0	1.600	0.600	10.6	20.8	6 E	—	—
6 23	6 35.79	+24 10.7	1.632	0.634	10.9	21.0	7 E	—	—
6 25	6 45.98	+23 52.2	1.663	0.667	11.0	21.1	7 E	—	—
6 30	7 9.48	+22 59.2	1.737	0.743	10.7	21.4	8 E	—	1*
7 5	7 30.63	+21 59.2	1.804	0.810	10.1	21.7	8 E	—	1*
7 10	7 49.91	+20 54.7	1.866	0.870	9.2	21.9	8 E	—	2*
7 15	8 7.67	+19 47.0	1.923	0.924	8.1	22.0	7 E	—	1*
		137504 1999 VO_{21}							
6 5	5 37.84	+17 45.0	3.333	2.349	5.1	21.5	12 E	—	6*
6 15	5 57.43	+17 37.2	3.386	2.385	3.4	21.5	8 E	—	2*
6 25	6 16.60	+17 19.9	3.427	2.419	2.5	21.5	6 E	—	—
7 5	6 35.33	+16 53.7	3.457	2.453	3.2	21.6	8 W	—	1*
7 15	6 53.56	+16 18.8	3.474	2.486	4.7	21.7	12 W	—	6*
		399735 2005 DD_1							
6 5	5 42.02	+22 30.9	3.181	2.197	5.3	21.4	12 E	1*	4*
6 15	6 2.97	+23 35.9	3.159	2.154	3.2	21.2	7 E	—	—
6 25	6 24.87	+24 31.0	3.126	2.111	1.2	21.0	3 E	—	—
7 5	6 47.69	+25 15.5	3.083	2.069	1.5	20.9	3 W	—	—
7 15	7 11.41	+25 48.7	3.031	2.027	3.6	21.0	7 W	1*	—
7 25	7 35.99	+26 10.0	2.971	1.986	5.8	21.0	11 W	5*	—
8 4	8 1.40	+26 18.8	2.904	1.945	8.0	21.0	16 W	9*	1*
8 14	8 27.59	+26 14.6	2.831	1.906	10.2	21.0	20 W	13*	2*
8 24	8 54.48	+25 57.1	2.753	1.869	12.4	21.0	23 W	17*	3*
9 3	9 22.04	+25 26.1	2.673	1.833	14.5	21.0	27 W	21*	4*
9 13	9 50.19	+24 41.8	2.590	1.799	16.6	20.9	31 W	25*	4*
9 23	10 18.84	+23 44.4	2.507	1.767	18.5	20.9	34 W	28*	5*
10 3	10 47.92	+22 34.6	2.424	1.737	20.4	20.8	37 W	31*	5*
10 13	11 17.31	+21 13.7	2.344	1.711	22.2	20.8	40 W	34*	6*
10 23	11 46.92	+19 43.1	2.267	1.687	23.9	20.7	43 W	37*	7*
11 2	12 16.64	+18 4.8	2.194	1.667	25.4	20.7	46 W	40*	8*
11 12	12 46.32	+16 21.2	2.126	1.651	26.8	20.6	49 W	43*	9*
11 22	13 15.81	+14 35.2	2.063	1.638	28.1	20.6	51 W	45*	12*
12 2	13 44.97	+12 49.6	2.005	1.629	29.2	20.5	54 W	47*	14*
12 12	14 13.62	+11 7.4	1.952	1.625	30.2	20.5	56 W	48*	18*
12 22	14 41.57	+ 9 31.1	1.902	1.624	31.1	20.5	59 W	49*	22*
1 1	15 8.65	+ 8 3.0	1.854	1.628	32.0	20.5	61 W	49*	26*
1 11	15 34.66	+ 6 44.9	1.808	1.636	32.7	20.4	64 W	49*	31*
1 21	15 59.41	+ 5 37.5	1.762	1.648	33.3	20.4	67 W	48*	36*

155287 2005 XK_1

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
6 5	5 46.93	+21 51.5	3.114	2.137	6.0	21.5	13 E	1*	6*
6 15	6 8.99	+21 54.4	3.168	2.168	3.9	21.4	8 E	—	2*
6 25	6 30.64	+21 45.7	3.211	2.198	1.9	21.4	4 E	—	—
7 5	6 51.83	+21 26.2	3.244	2.228	0.8	21.3	2 W	—	—
7 15	7 12.53	+20 56.7	3.267	2.258	2.6	21.5	6 W	—	—

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6 5	5 53.42	+41 23.1	2.084	1.215	19.0	21.4	23 E	17*	—
6 10	6 14.41	+41 5.8	2.064	1.188	18.9	21.3	22 E	16*	—
6 15	6 35.67	+40 34.8	2.042	1.161	18.9	21.2	22 E	16*	—
6 20	6 57.09	+39 49.3	2.018	1.131	18.9	21.2	21 E	15*	—
6 25	7 18.53	+38 48.6	1.994	1.101	18.9	21.1	21 E	15*	—
6 30	7 39.89	+37 32.2	1.968	1.070	18.9	21.0	20 E	14*	—
7 5	8 1.04	+35 59.7	1.942	1.038	18.9	20.9	19 E	13*	—
7 10	8 21.92	+34 10.7	1.914	1.005	18.9	20.8	19 E	12*	1*
7 15	8 42.43	+32 5.2	1.886	0.971	18.8	20.7	18 E	11*	2*
7 20	9 2.53	+29 43.2	1.857	0.936	18.8	20.6	17 E	10*	3*
7 25	9 22.19	+27 4.8	1.827	0.902	18.8	20.4	17 E	9*	4*
8 4	10 0.24	+20 59.8	1.765	0.833	19.1	20.2	16 E	7*	6*
8 14	10 36.88	+13 53.6	1.699	0.769	20.2	20.0	15 E	4*	8*
8 24	11 12.73	+ 5 52.7	1.627	0.713	23.1	19.8	16 E	1*	10*
8 29	11 30.67	+ 1 35.1	1.589	0.691	25.5	19.8	17 E	—	11*
9 3	11 48.85	− 2 51.4	1.549	0.674	28.4	19.7	19 E	—	12*
9 8	12 7.49	− 7 24.2	1.508	0.662	31.9	19.7	20 E	—	14*
9 13	12 26.85	−12 0.0	1.464	0.657	35.6	19.8	22 E	—	15*
9 18	12 47.24	−16 35.2	1.421	0.658	39.6	19.8	25 E	—	17*
9 23	13 9.04	−21 5.2	1.377	0.665	43.4	19.9	27 E	—	18*
9 28	13 32.66	−25 25.3	1.334	0.679	46.9	20.0	30 E	—	20*
10 3	13 58.55	−29 29.7	1.294	0.698	50.0	20.0	32 E	—	22*
10 8	14 27.10	−33 12.0	1.258	0.721	52.5	20.1	35 E	—	25*
10 13	14 58.57	−36 24.5	1.227	0.749	54.4	20.2	38 E	—	27*
10 15	15 11.98	−37 31.4	1.216	0.760	54.9	20.2	39 E	—	28*
10 17	15 25.85	−38 31.7	1.206	0.773	55.4	20.3	40 E	—	30*
10 19	15 40.15	−39 25.0	1.198	0.785	55.8	20.3	41 E	—	31*
10 21	15 54.82	−40 10.8	1.190	0.798	56.0	20.3	42 E	—	32*
10 23	16 9.83	−40 48.7	1.183	0.811	56.2	20.3	43 E	—	33*
10 25	16 25.09	−41 18.4	1.178	0.824	56.3	20.4	44 E	—	34*
10 27	16 40.54	−41 39.7	1.174	0.838	56.3	20.4	45 E	—	36*
10 29	16 56.08	−41 52.4	1.171	0.851	56.2	20.4	45 E	—	37*
10 31	17 11.64	−41 56.7	1.170	0.865	56.0	20.5	46 E	—	38*
11 2	17 27.12	−41 52.6	1.170	0.879	55.8	20.5	47 E	—	39*
11 4	17 42.43	−41 40.3	1.170	0.892	55.5	20.5	48 E	—	40*
11 6	17 57.49	−41 20.3	1.173	0.906	55.2	20.5	49 E	—	41*
11 8	18 12.23	−40 53.0	1.176	0.920	54.8	20.6	49 E	—	42*
11 10	18 26.58	−40 18.8	1.181	0.934	54.3	20.6	50 E	1*	43*
11 12	18 40.51	−39 38.5	1.187	0.948	53.9	20.6	51 E	2*	44*
11 14	18 53.97	−38 52.5	1.194	0.961	53.3	20.7	51 E	3*	45*
11 16	19 6.94	−38 1.4	1.202	0.975	52.8	20.7	52 E	4*	46*
11 18	19 19.41	−37 6.1	1.211	0.989	52.2	20.7	52 E	5*	46*
11 20	19 31.37	−36 6.9	1.221	1.002	51.6	20.7	53 E	7*	47*
11 22	19 42.83	−35 4.5	1.232	1.016	51.0	20.8	53 E	8*	47*
11 27	20 9.39	−32 18.0	1.265	1.048	49.4	20.9	54 E	11*	47*
12 2	20 33.20	−29 22.0	1.302	1.080	47.8	20.9	54 E	14*	47*
12 7	20 54.62	−26 22.1	1.344	1.111	46.1	21.0	54 E	17*	46*
12 12	21 14.00	−23 22.1	1.389	1.141	44.5	21.1	54 E	20*	45*
12 17	21 31.69	−20 24.9	1.437	1.170	42.8	21.2	54 E	23*	43*
12 22	21 47.98	−17 32.0	1.488	1.197	41.2	21.3	53 E	26*	41*
12 27	22 3.11	−14 44.4	1.540	1.224	39.7	21.3	53 E	28*	38*
1 1	22 17.30	−12 2.6	1.593	1.248	38.1	21.4	52 E	30*	35*
1 6	22 30.72	− 9 26.5	1.646	1.272	36.6	21.5	51 E	31*	33*

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6 5	6 6.38	+38 10.8	1.594	0.761	30.5	21.3	22 E	16*	—
6 10	6 34.06	+37 33.5	1.537	0.718	33.2	21.2	23 E	16*	2*
6 15	7 2.40	+36 20.8	1.477	0.676	36.4	21.1	23 E	16*	4*
6 20	7 30.85	+34 27.7	1.413	0.634	40.3	21.0	24 E	16*	6*
6 25	7 58.75	+31 49.6	1.345	0.594	45.1	20.8	24 E	15*	9*
6 30	8 25.38	+28 23.7	1.273	0.559	50.8	20.7	25 E	14*	12*
7 5	8 50.01	+24 9.4	1.198	0.531	57.5	20.7	26 E	12*	16*
7 10	9 11.96	+19 9.5	1.121	0.511	65.0	20.7	27 E	9*	19*
7 15	9 30.69	+13 30.7	1.044	0.503	72.9	20.8	28 E	6*	21*
7 20	9 45.93	+ 7 23.7	0.967	0.507	80.6	20.9	29 E	2*	23*
7 25	9 57.71	+ 1 0.9	0.895	0.523	87.4	21.0	31 E	—	25*
7 30	10 6.37	− 5 26.1	0.829	0.548	92.8	21.2	33 E	—	25*
8 4	10 12.46	−11 48.3	0.768	0.581	96.5	21.3	35 E	—	24*
8 9	10 16.57	−18 0.5	0.714	0.619	98.7	21.4	37 E	—	22*
8 14	10 19.30	−24 1.3	0.666	0.661	99.6	21.4	40 E	—	20*
8 19	10 21.18	−29 51.9	0.622	0.703	99.4	21.4	43 E	—	18*
8 24	10 22.73	−35 36.3	0.581	0.746	98.5	21.3	47 E	—	16*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°

162694 2000 UH_{11} *(continuation)*

	h m	° ′			°	m	°	°	°
8 29	10 24.47	−41 20.5	0.543	0.789	96.9	21.2	51 W	—	16*
9 3	10 26.96	−47 12.0	0.508	0.830	94.9	21.1	55 W	—	20*
9 8	10 30.97	−53 19.8	0.475	0.870	92.3	21.0	60 W	—	23*
9 13	10 37.76	−59 52.8	0.444	0.908	89.4	20.8	64 W	—	26*
9 18	10 50.25	−66 58.4	0.417	0.944	86.0	20.6	70 W	—	27*
9 23	11 17.65	−74 37.4	0.394	0.978	82.2	20.4	75 W	—	26*
9 24	11 27.30	−76 11.9	0.390	0.985	81.4	20.4	76 W	—	26*
9 25	11 39.63	−77 46.3	0.386	0.991	80.6	20.3	77 W	—	25*
9 26	11 55.83	−79 19.7	0.383	0.998	79.7	20.3	78 W	—	25*
9 27	12 17.79	−80 50.4	0.379	1.004	78.9	20.3	79 E	—	25*
9 28	12 48.55	−82 15.6	0.376	1.010	78.0	20.2	80 E	—	26*
9 29	13 32.65	−83 30.1	0.373	1.016	77.2	20.2	82 E	—	27*
9 30	14 34.95	−84 25.0	0.371	1.022	76.3	20.2	83 E	—	28*
10 1	15 54.37	−84 47.8	0.369	1.028	75.4	20.1	84 E	—	29*
10 2	17 16.19	−84 30.3	0.367	1.034	74.5	20.1	85 E	—	31*
10 3	18 23.21	−83 36.9	0.365	1.040	73.7	20.1	86 E	—	32*
10 4	19 11.39	−82 19.0	0.364	1.046	72.8	20.1	87 E	—	34*
10 5	19 45.01	−80 46.3	0.363	1.051	71.9	20.0	88 E	—	35
10 6	20 8.93	−79 4.7	0.363	1.057	71.0	20.0	89 E	—	37
10 7	20 26.52	−77 17.6	0.363	1.063	70.2	20.0	90 E	—	39
10 8	20 39.90	−75 27.0	0.363	1.068	69.3	20.0	91 E	—	41
10 9	20 50.39	−73 34.1	0.363	1.073	68.5	20.0	92 E	—	42
10 10	20 58.84	−71 39.8	0.364	1.078	67.7	20.0	93 E	—	44
10 11	21 5.80	−69 44.7	0.365	1.084	66.9	19.9	93 E	—	46
10 12	21 11.66	−67 49.4	0.367	1.089	66.1	19.9	94 E	—	48
10 13	21 16.66	−65 54.2	0.369	1.094	65.4	19.9	95 E	—	50
10 14	21 21.01	−63 59.4	0.371	1.098	64.6	19.9	96 E	—	52
10 15	21 24.83	−62 5.4	0.374	1.103	63.9	19.9	96 E	—	54
10 16	21 28.23	−60 12.5	0.377	1.108	63.3	19.9	97 E	—	56
10 17	21 31.29	−58 20.7	0.380	1.113	62.6	20.0	98 E	—	58
10 18	21 34.08	−56 30.4	0.384	1.117	62.0	20.0	98 E	—	59
10 19	21 36.63	−54 41.7	0.388	1.122	61.4	20.0	99 E	—	61
10 20	21 38.98	−52 54.8	0.392	1.126	60.9	20.0	99 E	—	63
10 21	21 41.17	−51 9.8	0.397	1.130	60.3	20.0	99 E	—	65
10 22	21 43.23	−49 26.7	0.402	1.134	59.9	20.0	100 E	—	67
10 23	21 45.16	−47 45.8	0.407	1.139	59.4	20.1	100 E	—	68
10 25	21 48.75	−44 30.4	0.419	1.147	58.6	20.1	100 E	—	71
10 27	21 52.03	−41 24.0	0.431	1.154	57.8	20.2	101 E	4	75
10 29	21 55.09	−38 26.7	0.445	1.161	57.2	20.2	101 E	7	78
10 31	21 57.98	−35 38.5	0.460	1.168	56.6	20.3	101 E	9	80
11 2	22 0.75	−32 59.2	0.475	1.175	56.2	20.4	100 E	12	83
11 7	22 7.31	−26 57.5	0.516	1.190	55.2	20.6	99 E	18	89
11 12	22 13.60	−21 43.0	0.561	1.203	54.6	20.7	98 E	23	86
11 17	22 19.78	−17 8.3	0.609	1.214	54.1	20.9	96 E	28	80*
11 22	22 25.95	−13 6.8	0.658	1.223	53.7	21.1	94 E	32	75*
11 27	22 32.17	− 9 32.2	0.708	1.230	53.3	21.3	92 E	35	70*
12 2	22 38.49	− 6 19.6	0.759	1.234	53.0	21.4	89 E	39	64*

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6 5	6 10.78	+39 0.6	1.723	0.891	27.1	21.2	24 E	17*	1*
6 10	6 34.19	+38 20.8	1.673	0.842	28.4	21.1	23 E	17*	2*
6 15	6 58.23	+37 17.2	1.618	0.790	30.2	20.9	23 E	16*	3*
6 20	7 22.67	+35 46.0	1.558	0.736	32.4	20.8	23 E	16*	4*
6 25	7 47.23	+33 43.2	1.494	0.681	35.2	20.6	23 E	15*	6*
6 30	8 11.53	+31 4.3	1.424	0.625	38.9	20.4	23 E	14*	8*
7 5	8 35.11	+27 45.1	1.348	0.571	43.9	20.2	23 E	12*	11*
7 10	8 57.36	+23 41.9	1.266	0.520	50.4	20.1	23 E	10*	13*
7 15	9 17.42	+18 53.2	1.176	0.476	59.0	20.0	24 E	7*	16*
7 20	9 34.18	+13 22.7	1.080	0.445	69.9	20.0	24 E	4*	18*
7 25	9 46.41	+ 7 22.4	0.979	0.432	82.3	20.1	25 E	—	19*
7 27	9 49.80	+ 4 54.4	0.939	0.433	87.4	20.2	25 E	—	19*
7 29	9 52.27	+ 2 26.4	0.900	0.436	92.3	20.3	25 E	—	19*
7 31	9 53.81	+ 0 0.1	0.861	0.443	97.0	20.5	26 E	—	18*
8 2	9 54.46	− 2 23.1	0.824	0.453	101.3	20.7	26 E	—	18*
8 4	9 54.23	− 4 42.1	0.788	0.466	105.2	20.8	26 E	—	17*
8 6	9 53.20	− 6 55.8	0.753	0.480	108.6	21.0	27 E	—	15*
8 8	9 51.42	− 9 3.4	0.721	0.497	111.4	21.1	27 E	—	14*
8 10	9 48.96	−11 4.4	0.690	0.515	113.7	21.3	28 E	—	12*
8 12	9 45.90	−12 58.6	0.661	0.535	115.5	21.4	28 E	—	10*
8 14	9 42.32	−14 45.8	0.633	0.555	116.8	21.4	29 E	—	8*
8 19	9 31.46	−18 43.7	0.571	0.609	118.2	21.5	32 W	—	12*
8 24	9 18.56	−22 1.9	0.515	0.664	117.5	21.4	36 W	—	20*
8 29	9 4.21	−24 47.3	0.464	0.720	115.4	21.2	40 W	—	27*
9 3	8 48.56	−27 8.8	0.416	0.774	112.3	21.0	45 W	—	34*
9 8	8 31.23	−29 15.8	0.371	0.827	108.5	20.6	51 W	—	41*
9 13	8 11.17	−31 17.6	0.326	0.877	103.9	20.2	58 W	—	49*
9 15	8 1.96	−32 6.7	0.308	0.896	101.8	20.0	61 W	1*	52*
9 17	7 51.82	−32 56.5	0.291	0.915	99.5	19.8	64 W	2*	56*

286079 2001 TW_1 *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
9 19	7 40.51	−33 47.4	0.274	0.934	96.9	19.6	67 W	4*	59*
9 21	7 27.71	−34 39.1	0.257	0.952	94.1	19.4	71 W	5*	63*
9 23	7 13.06	−35 31.1	0.241	0.970	91.0	19.2	75 W	6*	67*
9 24	7 4.90	−35 56.8	0.233	0.979	89.2	19.0	77 W	6*	69*
9 25	6 56.10	−36 21.9	0.225	0.988	87.4	18.9	80 W	7*	71*
9 26	6 46.58	−36 46.2	0.217	0.996	85.5	18.8	82 W	7*	72*
9 27	6 36.27	−37 9.0	0.210	1.005	83.4	18.6	85 W	7*	74*
9 28	6 25.11	−37 29.8	0.202	1.013	81.1	18.5	87 W	7*	76*
9 29	6 13.01	−37 47.7	0.195	1.021	78.8	18.3	90 W	7*	77*
9 30	5 59.92	−38 1.6	0.189	1.030	76.2	18.2	93 W	7	78*
10 1	5 45.78	−38 10.5	0.182	1.038	73.5	18.1	96 W	7	78
10 2	5 30.58	−38 12.8	0.176	1.046	70.6	17.9	100 W	7	78
10 3	5 14.32	−38 7.0	0.171	1.054	67.5	17.8	103 W	7	78
10 4	4 57.07	−37 51.5	0.166	1.061	64.3	17.6	107 W	7	78
10 5	4 38.93	−37 24.5	0.162	1.069	60.8	17.5	111 W	8	79
10 6	4 20.09	−36 44.7	0.158	1.077	57.3	17.3	115 W	8	79
10 7	4 0.75	−35 50.9	0.155	1.084	53.5	17.2	119 W	9	80
10 8	3 41.21	−34 42.8	0.153	1.091	49.8	17.1	124 W	10	81
10 9	3 21.73	−33 20.6	0.152	1.099	45.9	17.0	128 W	12	83
10 10	3 2.62	−31 45.2	0.152	1.106	42.1	16.9	132 W	13	84
10 11	2 44.14	−29 58.6	0.152	1.113	38.5	16.8	136 W	15	86
10 12	2 26.49	−28 3.0	0.153	1.120	35.0	16.7	140 W	17	88
10 13	2 9.83	−26 1.2	0.156	1.127	31.8	16.7	144 W	19	90
10 14	1 54.27	−23 55.8	0.159	1.134	28.9	16.6	147 W	21	88
10 15	1 39.84	−21 49.6	0.163	1.140	26.5	16.6	149 W	23	86
10 16	1 26.54	−19 44.6	0.168	1.147	24.5	16.7	151 W	25	84
10 17	1 14.35	−17 42.8	0.173	1.153	23.1	16.7	153 E	27	82
10 18	1 3.21	−15 45.5	0.179	1.160	22.3	16.8	154 E	29	80
10 19	0 53.06	−13 53.7	0.186	1.166	21.9	16.8	154 E	31	78
10 20	0 43.82	−12 7.8	0.193	1.172	22.0	16.9	154 E	33	76
10 21	0 35.42	−10 28.2	0.201	1.179	22.4	17.0	153 E	35	74
10 22	0 27.78	− 8 54.9	0.209	1.185	23.1	17.2	152 E	36	73
10 23	0 20.84	− 7 27.7	0.218	1.191	23.9	17.3	151 E	38	71
10 25	0 8.80	− 4 50.8	0.237	1.202	25.8	17.6	148 E	40	69
10 27	23 58.84	− 2 34.9	0.257	1.213	27.9	17.8	145 E	42	67
10 29	23 50.59	− 0 36.9	0.277	1.224	29.9	18.1	142 E	44	65
10 31	23 43.77	+ 1 5.8	0.299	1.235	31.7	18.3	139 E	46	63
11 2	23 38.12	+ 2 35.7	0.322	1.245	33.4	18.5	136 E	48	61
11 4	23 33.46	+ 3 55.1	0.345	1.255	34.9	18.7	134 E	49	60
11 6	23 29.65	+ 5 5.5	0.368	1.264	36.2	18.9	131 E	50	59
11 8	23 26.56	+ 6 8.6	0.392	1.273	37.4	19.1	129 E	51	58
11 10	23 24.08	+ 7 5.5	0.416	1.282	38.4	19.3	126 E	52	57
11 12	23 22.13	+ 7 57.2	0.441	1.290	39.4	19.4	124 E	53	56
11 14	23 20.65	+ 8 44.6	0.466	1.298	40.2	19.6	122 E	54	55
11 16	23 19.57	+ 9 28.2	0.490	1.306	40.9	19.7	120 E	54	55
11 18	23 18.85	+10 8.7	0.516	1.313	41.6	19.9	118 E	55	54
11 20	23 18.44	+10 46.5	0.541	1.320	42.1	20.0	116 E	56	53
11 22	23 18.32	+11 22.0	0.566	1.327	42.6	20.1	115 E	56	53
11 27	23 19.07	+12 42.9	0.630	1.342	43.6	20.4	110 E	58	51*
12 2	23 21.07	+13 55.3	0.694	1.355	44.3	20.7	106 E	59	50*
12 7	23 24.09	+15 2.2	0.757	1.366	44.8	20.9	103 E	60	47*
12 12	23 27.95	+16 5.5	0.819	1.375	45.0	21.1	99 E	61	45*
12 17	23 32.51	+17 6.5	0.881	1.382	45.1	21.3	95 E	62	42*
12 22	23 37.66	+18 6.0	0.941	1.387	45.1	21.4	92 E	63	39*

312070 2007 TA_{19}

6 5	6 45.36	+14 39.4	1.550	0.809	36.1	21.4	28 E	6*	21*
6 15	7 24.59	+16 14.6	1.437	0.705	41.0	21.0	27 E	6*	20*
6 25	8 7.49	+17 58.8	1.297	0.603	49.6	20.7	27 E	7*	19*
7 5	8 52.93	+20 10.0	1.126	0.516	64.5	20.5	27 E	10*	18*
7 15	9 35.95	+23 19.0	0.925	0.470	87.2	20.7	27 E	14*	16*
7 25	10 6.21	+27 48.2	0.719	0.488	113.2	21.5	26 E	17*	11*

5828 1991 AM

6 5	6 52.90	+17 24.8	3.566	2.722	10.4	21.5	29 E	9*	21*
6 15	7 6.46	+17 39.4	3.602	2.692	8.3	21.4	23 E	4*	16*
6 25	7 20.51	+17 47.1	3.619	2.660	6.2	21.3	16 E	—	10*
7 5	7 34.97	+17 48.1	3.618	2.624	4.0	21.2	10 E	—	4*
7 15	7 49.80	+17 42.7	3.597	2.586	1.9	21.0	5 E	—	—
7 25	8 4.95	+17 31.1	3.558	2.545	1.4	20.9	4 W	—	—
8 4	8 20.39	+17 13.7	3.500	2.501	3.4	20.9	9 W	—	2*
8 14	8 36.10	+16 50.9	3.423	2.454	5.8	21.0	14 W	5*	5*
8 24	8 52.08	+16 23.3	3.329	2.403	8.2	21.0	20 W	11*	9*
9 3	9 8.33	+15 51.2	3.218	2.350	10.7	21.0	26 W	17*	12*
9 13	9 24.88	+15 15.3	3.091	2.293	13.2	20.9	31 W	23*	14*
9 23	9 41.77	+14 36.4	2.950	2.232	15.7	20.9	37 W	29*	17*
10 3	9 59.07	+13 55.2	2.794	2.168	18.2	20.8	43 W	34*	20*
10 13	10 16.87	+13 12.7	2.627	2.100	20.8	20.6	48 W	39*	22*
10 23	10 35.30	+12 30.1	2.450	2.029	23.3	20.5	54 W	44*	25*
11 2	10 54.57	+11 48.5	2.265	1.953	25.9	20.3	59 W	48*	28*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
11 12	11 14.94	+11 9.6	2.074	1.873	28.5	20.1	64 W	51*	31*
11 22	11 36.81	+10 35.2	1.880	1.788	31.1	19.9	69 W	53*	33*
12 2	12 0.73	+10 7.1	1.685	1.699	33.9	19.6	74 W	54*	36*
12 12	12 27.50	+ 9 47.8	1.493	1.605	36.8	19.3	78 W	55*	39*
12 22	12 58.32	+ 9 39.3	1.308	1.505	40.2	19.0	81 W	55	41*
12 27	13 15.77	+ 9 39.5	1.220	1.453	42.0	18.8	82 W	55	42*
1 1	13 34.91	+ 9 42.6	1.135	1.400	44.1	18.6	82 W	55	43*
1 6	13 56.04	+ 9 48.5	1.055	1.346	46.4	18.4	83 W	55	43*
1 11	14 19.51	+ 9 56.1	0.981	1.290	49.0	18.2	82 W	55	43*
1 16	14 45.64	+10 3.9	0.915	1.232	52.0	18.1	81 W	55*	42*
1 21	15 14.69	+10 9.6	0.857	1.174	55.4	17.9	79 W	55*	41*

152942 2000 FN_{10}

6 5	7 15.55	+40 45.6	2.823	2.079	16.4	21.4	35 E	28*	9*
6 15	7 39.58	+39 8.8	2.827	2.026	15.0	21.3	31 E	24*	8*
6 25	8 3.72	+37 19.0	2.820	1.971	13.6	21.2	27 E	20*	7*
7 5	8 27.86	+35 15.3	2.804	1.915	12.2	21.1	24 E	16*	5*
7 15	8 51.95	+32 56.8	2.779	1.857	10.9	20.9	20 E	13*	3*
7 25	9 15.94	+30 23.0	2.744	1.798	9.5	20.8	17 E	11*	1*
8 4	9 39.82	+27 33.3	2.702	1.737	8.3	20.6	14 E	8*	—
8 14	10 3.64	+24 27.2	2.652	1.676	7.3	20.5	12 E	6*	—
8 24	10 27.45	+21 4.4	2.596	1.613	6.6	20.3	11 E	4*	—
9 3	10 51.36	+17 24.4	2.535	1.550	6.4	20.2	10 E	2*	—
9 13	11 15.52	+13 26.9	2.469	1.487	6.6	20.0	10 W	2*	—
9 23	11 40.11	+ 9 11.9	2.400	1.424	7.3	19.9	10 W	4*	—
10 3	12 5.38	+ 4 39.4	2.329	1.362	8.3	19.8	11 W	5*	—
10 13	12 31.67	− 0 9.8	2.258	1.303	9.6	19.7	13 W	6*	—
10 23	12 59.34	− 5 13.8	2.189	1.246	11.0	19.6	14 W	7*	2*
11 2	13 28.93	−10 29.5	2.124	1.194	12.5	19.5	15 W	7*	5*
11 7	13 44.63	−13 10.0	2.094	1.171	13.2	19.4	16 W	7*	6*
11 12	14 1.04	−15 51.0	2.065	1.148	13.9	19.4	16 W	6*	8*
11 17	14 18.26	−18 31.2	2.039	1.128	14.6	19.3	17 W	5*	9*
11 22	14 36.39	−21 9.1	2.015	1.110	15.2	19.3	17 W	4*	10*
11 27	14 55.51	−23 42.9	1.993	1.094	15.8	19.3	18 W	3*	11*
12 2	15 15.71	−26 10.5	1.975	1.081	16.3	19.2	18 W	2*	11*
12 7	15 37.04	−28 29.6	1.959	1.070	16.8	19.2	18 W	1*	12*
12 12	15 59.53	−30 37.6	1.948	1.062	17.2	19.2	19 W	—	13*
12 17	16 23.16	−32 31.9	1.939	1.057	17.5	19.2	19 W	—	13*
12 22	16 47.84	−34 9.9	1.934	1.055	17.7	19.2	19 W	—	13*
12 27	17 13.42	−35 29.3	1.933	1.056	17.9	19.2	19 W	—	13*
1 1	17 39.66	−36 28.5	1.936	1.060	17.9	19.2	19 W	—	13*
1 6	18 6.28	−37 6.1	1.942	1.067	17.9	19.2	19 W	—	12*
1 11	18 32.92	−37 21.8	1.952	1.077	17.8	19.2	20 W	—	12*
1 16	18 59.25	−37 16.2	1.965	1.090	17.6	19.3	20 W	—	11*
1 21	19 24.95	−36 50.2	1.981	1.105	17.4	19.3	20 W	—	11*

255501 2006 BG

6 5	7 36.83	+19 17.9	1.750	1.147	33.5	21.4	39 E	18*	27*
6 15	8 1.46	+18 7.1	1.664	1.015	35.0	21.1	35 E	13*	26*
6 25	8 28.78	+16 33.7	1.551	0.877	38.1	20.7	32 E	10*	24*
7 5	8 59.02	+14 34.0	1.407	0.735	44.1	20.3	30 E	7*	23*
7 15	9 32.03	+12 9.6	1.227	0.598	55.6	19.8	29 E	5*	22*
7 20	9 49.00	+10 53.5	1.120	0.537	64.9	19.7	29 E	5*	22*
7 25	10 5.36	+ 9 43.8	1.003	0.488	77.4	19.7	28 E	4*	22*
7 30	10 19.64	+ 8 54.5	0.879	0.458	93.5	19.8	27 E	4*	21*
8 4	10 29.82	+ 8 44.8	0.753	0.452	112.3	20.5	24 E	3*	18*
8 6	10 32.27	+ 8 56.4	0.704	0.457	120.3	20.9	23 E	3*	17*
8 8	10 33.63	+ 9 18.5	0.657	0.466	128.2	21.5	21 E	2*	15*
8 10	10 33.83	+ 9 51.6	0.612	0.479	136.1	22.2	19 E	2*	13*
8 12	10 32.83	+10 36.1	0.570	0.495	143.9	23.2	17 E	2*	10*

386504 2009 BP_{58}

6 5	8 53.74	+28 17.4	1.354	1.124	47.2	21.4	54 E	37*	31*
6 15	9 18.36	+25 53.4	1.304	1.029	49.9	21.2	51 E	32*	31*
6 25	9 44.35	+22 57.8	1.233	0.934	53.8	21.0	48 E	27*	32*
7 5	10 11.32	+19 23.4	1.141	0.841	59.5	20.7	45 E	23*	32*
7 15	10 38.63	+15 1.7	1.027	0.757	67.5	20.5	43 E	19*	33*
7 25	11 4.91	+ 9 43.9	0.894	0.689	78.6	20.4	42 E	15*	33*
7 30	11 16.96	+ 6 41.3	0.822	0.665	85.4	20.4	41 E	12*	33*
8 4	11 27.77	+ 3 21.2	0.748	0.649	92.9	20.4	40 E	10*	33*
8 9	11 36.87	− 0 17.7	0.673	0.643	100.8	20.5	39 E	6*	32*
8 14	11 43.79	− 4 17.3	0.600	0.647	108.7	20.7	37 E	3*	31*
8 19	11 48.04	− 8 40.5	0.530	0.660	116.2	21.0	36 E	—	29*
8 24	11 49.16	−13 31.4	0.465	0.682	122.5	21.2	35 E	—	27*
8 29	11 46.73	−18 55.4	0.407	0.711	127.1	21.4	34 E	—	23*
9 3	11 40.18	−24 59.6	0.355	0.746	129.1	21.4	35 E	—	19*
9 8	11 28.55	−31 51.2	0.311	0.786	127.8	21.1	38 E	—	15*
9 13	11 9.93	−39 35.5	0.275	0.829	123.2	20.6	44 W	—	15*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
386504 2009 BP_{58} *(continuation)*									
9 18	10 40.30	−48 7.7	0.246	0.875	115.4	19.9	52 W	—	25*
9 23	9 50.94	−56 54.9	0.226	0.921	104.9	19.2	63 W	—	35*
9 24	9 37.37	−58 35.2	0.223	0.931	102.6	19.0	65 W	—	37*
9 25	9 22.19	−60 11.1	0.220	0.940	100.2	18.9	67 W	—	39*
9 26	9 5.22	−61 41.2	0.218	0.950	97.7	18.8	70 W	—	41*
9 27	8 46.34	−63 3.6	0.216	0.959	95.2	18.7	72 W	—	43*
9 28	8 25.46	−64 16.5	0.215	0.969	92.7	18.6	75 W	—	44*
9 29	8 2.62	−65 17.7	0.213	0.978	90.1	18.5	78 W	—	45*
9 30	7 38.00	−66 5.2	0.213	0.988	87.5	18.4	80 W	—	47*
10 1	7 11.97	−66 37.3	0.212	0.997	84.9	18.3	83 W	—	48*
10 2	6 45.09	−66 52.7	0.213	1.007	82.3	18.2	86 W	—	48*
10 3	6 18.01	−66 50.8	0.213	1.017	79.7	18.2	88 W	—	49*
10 4	5 51.45	−66 31.9	0.214	1.026	77.1	18.1	91 W	—	49
10 5	5 26.03	−65 56.9	0.215	1.036	74.6	18.0	93 W	—	50
10 6	5 2.22	−65 7.6	0.217	1.045	72.0	18.0	96 W	—	51
10 7	4 40.30	−64 5.9	0.219	1.055	69.6	18.0	99 W	—	52
10 8	4 20.40	−62 53.9	0.221	1.064	67.2	17.9	101 W	—	53
10 9	4 2.49	−61 33.8	0.224	1.074	64.8	17.9	103 W	—	54
10 10	3 46.46	−60 7.4	0.227	1.083	62.5	17.9	106 W	—	56
10 11	3 32.16	−58 36.5	0.231	1.093	60.3	17.9	108 W	—	57
10 12	3 19.41	−57 2.4	0.235	1.102	58.1	17.9	110 W	—	59
10 13	3 8.03	−55 26.4	0.239	1.111	56.1	17.9	112 W	—	61
10 14	2 57.87	−53 49.5	0.244	1.121	54.1	17.9	115 W	—	62
10 15	2 48.77	−52 12.5	0.249	1.130	52.2	17.9	116 W	—	64
10 16	2 40.60	−50 36.1	0.254	1.139	50.4	17.9	118 W	—	65
10 17	2 33.24	−49 0.7	0.259	1.149	48.7	17.9	120 W	—	67
10 18	2 26.60	−47 26.8	0.265	1.158	47.0	17.9	122 W	—	69
10 19	2 20.58	−45 54.6	0.271	1.167	45.5	17.9	123 W	—	70
10 20	2 15.12	−44 24.5	0.278	1.177	44.1	18.0	125 W	1	72
10 21	2 10.14	−42 56.4	0.285	1.186	42.7	18.0	126 W	2	73
10 22	2 5.61	−41 30.7	0.292	1.195	41.5	18.0	127 W	3	74
10 23	2 1.46	−40 7.3	0.299	1.204	40.3	18.1	129 W	5	76
10 25	1 54.18	−37 27.7	0.314	1.222	38.2	18.2	131 E	8	79
10 27	1 48.03	−34 57.7	0.330	1.240	36.4	18.2	132 E	10	81
10 29	1 42.82	−32 36.8	0.347	1.258	35.0	18.3	133 E	12	83
10 31	1 38.40	−30 24.7	0.365	1.276	33.8	18.4	134 E	15	86
11 2	1 34.65	−28 20.9	0.384	1.293	32.8	18.6	135 E	17	88
11 4	1 31.47	−26 24.8	0.404	1.310	32.1	18.7	135 E	19	90
11 6	1 28.79	−24 35.7	0.424	1.328	31.5	18.8	136 E	20	89
11 8	1 26.55	−22 53.3	0.445	1.345	31.1	18.9	135 E	22	87
11 10	1 24.71	−21 16.9	0.467	1.361	30.9	19.0	135 E	24	85
11 12	1 23.21	−19 46.0	0.489	1.378	30.8	19.2	135 E	25	84
11 17	1 20.76	−16 20.4	0.548	1.419	30.8	19.5	133 E	29	80
11 22	1 19.83	−13 20.6	0.611	1.459	31.1	19.8	130 E	32	77
11 27	1 20.12	−10 41.6	0.677	1.498	31.5	20.1	127 E	34	75
12 2	1 21.40	− 8 19.4	0.746	1.535	32.0	20.4	124 E	37	72
12 7	1 23.54	− 6 10.8	0.818	1.572	32.5	20.6	121 E	39	70
12 12	1 26.40	− 4 13.5	0.892	1.608	32.8	20.9	118 E	41	68
12 17	1 29.89	− 2 25.6	0.969	1.642	33.1	21.1	114 E	43	66
12 22	1 33.91	− 0 45.5	1.048	1.675	33.2	21.3	111 E	44	65
389820 2011 WU_{92}									
6 5	17 41.79	−21 20.6	9.714	10.710	1.1	23.1	168 W	24	85
6 15	17 38.64	−21 20.6	9.709	10.724	0.2	23.0	178 W	24	85
6 25	17 35.49	−21 20.7	9.734	10.739	0.9	23.1	171 E	24	85
7 5	17 32.47	−21 20.9	9.789	10.753	1.8	23.2	161 E	24	85
7 15	17 29.73	−21 21.5	9.871	10.767	2.7	23.3	150 E	24	85
162116 1998 SA_{15}									
6 5	17 46.97	−17 47.2	1.984	2.980	4.7	23.5	166 W	27	82
6 15	17 34.48	−17 50.7	1.971	2.983	1.9	23.3	175 W	27	82
6 25	17 22.00	−17 55.8	1.987	2.985	4.6	23.5	167 E	27	82
7 5	17 10.56	−18 2.7	2.034	2.985	8.3	23.7	155 E	27	82
7 15	17 1.03	−18 12.3	2.106	2.984	11.8	23.9	143 E	27	82
516986 2012 QP_{10}									
6 5	17 49.40	− 0 31.9	1.203	2.161	11.9	22.3	154 W	44	65
6 15	17 35.93	− 0 42.0	1.158	2.132	10.6	22.1	157 W	44	65
6 25	17 21.64	− 1 22.2	1.137	2.101	12.0	22.1	154 E	44	65
7 5	17 8.18	− 2 31.3	1.140	2.068	15.6	22.2	147 E	42	67
7 15	16 57.08	− 4 4.4	1.165	2.033	19.7	22.4	137 E	41	68
523628 2008 RT_{26}									
6 5	17 55.65	−26 55.3	1.618	2.611	5.8	23.1	165 W	18	89
6 10	17 49.65	−26 58.1	1.582	2.589	3.6	22.9	171 W	18	89
6 15	17 43.23	−26 59.0	1.553	2.567	1.7	22.7	176 W	18	89
6 20	17 36.55	−26 57.8	1.532	2.545	2.1	22.7	175 E	18	89
6 25	17 29.81	−26 54.5	1.517	2.523	4.3	22.8	169 E	18	89
6 30	17 23.17	−26 49.1	1.509	2.500	6.7	22.9	163 E	18	89
7 5	17 16.83	−26 41.9	1.508	2.477	9.2	23.0	157 E	18	89
523594 2001 YO_3									
6 5	17 58.66	−32 42.5	0.505	1.503	12.0	22.9	162 W	12	83
6 10	17 48.61	−31 15.5	0.486	1.495	7.8	22.7	168 W	14	85
6 15	17 37.84	−29 34.5	0.473	1.487	4.3	22.4	174 W	15	86
6 20	17 26.92	−27 41.5	0.465	1.478	5.1	22.4	173 E	17	88
6 25	17 16.44	−25 40.1	0.462	1.470	9.3	22.6	167 E	19	90
6 30	17 6.87	−23 34.8	0.464	1.460	14.0	22.8	160 E	21	88
7 5	16 58.60	−21 30.4	0.470	1.451	18.7	22.9	153 E	23	86
484976 2009 UN_3									
6 5	18 0.07	+26 19.6	1.924	2.675	17.3	23.0	128 W	71	38
6 10	17 53.72	+26 5.6	1.936	2.702	16.7	23.0	130 W	71	38
6 15	17 47.36	+25 41.7	1.954	2.729	16.3	23.0	131 W	71	38
6 20	17 41.13	+25 8.4	1.976	2.755	16.1	23.1	131 E	70	39
6 25	17 35.17	+24 26.3	2.004	2.781	16.0	23.1	131 E	69	40
6 30	17 29.59	+23 36.2	2.037	2.806	16.0	23.2	131 E	69	40
7 5	17 24.48	+22 39.1	2.075	2.831	16.1	23.2	129 E	68	41
443950 2002 XZ_{39}									
6 5	18 4.09	−23 42.9	2.195	3.180	5.2	22.9	163 W	21	88
6 10	17 58.86	−23 46.5	2.180	3.183	3.4	22.7	169 W	21	88
6 15	17 53.43	−23 49.4	2.172	3.186	1.5	22.6	175 W	21	88
6 20	17 47.91	−23 51.5	2.172	3.188	0.5	22.5	179 E	21	88
6 25	17 42.43	−23 52.7	2.180	3.190	2.4	22.7	173 E	21	88
6 30	17 37.10	−23 53.2	2.195	3.192	4.2	22.8	167 E	21	88
7 5	17 32.05	−23 53.1	2.217	3.194	6.0	22.9	161 E	21	88
496981 2002 RP_{28}									
6 5	18 5.01	− 8 51.3	1.164	2.138	10.4	23.9	158 W	36	73
6 15	17 51.14	− 8 29.9	1.112	2.109	7.4	23.7	165 W	37	72
6 25	17 35.92	− 8 25.6	1.087	2.078	8.5	23.7	162 E	37	72
7 5	17 21.15	− 8 39.6	1.086	2.045	13.0	23.8	153 E	36	73
7 15	17 8.57	− 9 11.6	1.107	2.010	18.0	24.0	142 E	36	73
152770 1999 RR_{28}									
6 5	18 6.74	−12 35.6	1.891	2.864	7.1	22.6	160 W	32	77
6 15	17 53.55	−12 28.8	1.893	2.895	4.1	22.5	168 W	33	76
6 25	17 40.34	−12 29.0	1.926	2.924	4.7	22.6	166 E	33	76
7 5	17 28.21	−12 36.0	1.989	2.950	7.8	22.8	157 E	32	77
7 15	17 18.01	−12 49.5	2.079	2.975	11.1	23.0	146 E	32	77
489337 2006 UM									
6 5	18 8.93	−34 57.4	2.123	3.092	6.7	23.1	159 W	10	81
6 10	18 2.44	−35 16.3	2.120	3.108	5.3	23.0	164 W	10	81
6 15	17 55.72	−35 31.6	2.125	3.123	4.3	23.0	167 W	9	80
6 20	17 48.94	−35 43.0	2.137	3.138	4.0	23.0	168 E	9	80
6 25	17 42.26	−35 50.5	2.157	3.152	4.6	23.1	166 E	9	80
6 30	17 35.82	−35 54.3	2.184	3.166	5.7	23.2	162 E	9	80
7 5	17 29.76	−35 54.6	2.218	3.180	7.1	23.3	157 E	9	80
524115 2000 SY_9									
6 5	18 11.92	+ 6 21.3	2.031	2.921	11.5	22.4	145 W	51	58
6 15	18 2.84	+ 7 18.2	1.985	2.901	10.5	22.3	149 W	52	57
6 25	17 53.05	+ 7 51.8	1.965	2.879	10.7	22.2	148 E	53	56
7 5	17 43.43	+ 8 0.2	1.968	2.857	12.0	22.3	144 E	53	56
7 15	17 34.86	+ 7 43.9	1.995	2.834	13.9	22.4	138 E	53	56
338176 2002 RC_{118}									
6 5	18 13.04	+ 8 6.2	3.410	4.268	8.1	23.2	143 W	53	56
6 15	18 5.67	+ 8 40.7	3.355	4.244	7.5	23.1	147 W	54	55
6 25	17 57.85	+ 9 0.2	3.327	4.218	7.5	23.1	147 E	54	55
7 5	17 50.09	+ 9 3.6	3.324	4.192	8.1	23.1	144 E	54	55
7 15	17 42.88	+ 8 51.4	3.347	4.165	9.3	23.1	139 E	54	55
357117 2001 WG_{23}									
6 5	18 13.46	−52 51.1	3.545	4.422	7.4	22.8	146 W	—	63
6 10	18 7.95	−53 7.6	3.520	4.414	7.0	22.8	148 W	—	63
6 15	18 2.12	−53 19.9	3.501	4.406	6.7	22.7	149 W	—	63
6 20	17 56.11	−53 27.8	3.489	4.398	6.6	22.7	150 W	—	63
6 25	17 50.04	−53 31.1	3.483	4.390	6.7	22.7	150 E	—	62
6 30	17 44.04	−53 29.8	3.485	4.381	7.0	22.7	148 E	—	63
7 5	17 38.22	−53 24.0	3.492	4.373	7.5	22.8	146 E	—	63
7 10	17 32.71	−53 14.0	3.507	4.364	8.0	22.8	143 E	—	63
434007 2000 VH_{61}									
6 5	18 14.05	−12 42.7	3.191	4.150	5.2	24.4	158 W	32	77
6 15	18 6.09	−12 33.1	3.167	4.162	3.2	24.3	167 W	32	77
6 25	17 57.83	−12 28.2	3.173	4.174	2.8	24.3	168 E	33	76
7 5	17 49.82	−12 28.3	3.210	4.185	4.5	24.4	161 E	33	76
7 15	17 42.58	−12 33.1	3.275	4.195	6.7	24.6	151 E	32	77