2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
477248 2009 SV									
10 8	3 3.90	− 3 43.1	0.928	1.845	17.4	21.9	146 W	41	68
10 13	2 59.50	− 6 2.2	0.904	1.838	15.7	21.8	150 W	39	70
10 18	2 54.13	− 8 22.3	0.887	1.830	14.4	21.7	153 W	37	72
10 23	2 47.93	−10 39.2	0.875	1.822	14.0	21.6	154 W	34	75
10 28	2 41.13	−12 48.9	0.871	1.813	14.4	21.6	153 W	32	77
11 2	2 33.98	−14 47.6	0.873	1.803	15.7	21.6	150 W	30	79
11 7	2 26.75	−16 32.2	0.880	1.793	17.6	21.7	147 E	28	81
11 12	2 19.72	−18 0.4	0.894	1.783	19.9	21.8	142 E	27	82
11 17	2 13.17	−19 11.1	0.912	1.772	22.2	21.9	137 E	26	83
11 22	2 7.35	−20 4.0	0.935	1.760	24.4	22.0	133 E	25	84
11 27	2 2.43	−20 40.0	0.961	1.748	26.6	22.1	128 E	24	85
12 2	1 58.52	−21 0.2	0.990	1.735	28.5	22.2	123 E	24	85
381677 2009 BJ_{81}									
10 8	3 4.18	+ 8 23.4	1.712	2.613	11.8	22.3	148 W	53	56
10 18	2 54.45	+ 7 24.9	1.638	2.594	7.7	22.0	159 W	52	57
10 28	2 42.62	+ 6 23.7	1.591	2.574	4.0	21.7	170 W	51	58
11 7	2 29.79	+ 5 26.2	1.574	2.552	4.6	21.7	168 E	50	59
11 17	2 17.30	+ 4 39.0	1.587	2.528	8.7	21.9	157 E	50	59
11 27	2 6.43	+ 4 7.8	1.628	2.502	13.0	22.1	145 E	49	60
450161 2000 YE_{29}									
10 8	3 6.08	− 3 6.8	2.180	3.060	10.5	21.8	146 W	42	67
10 13	3 2.92	− 3 37.9	2.127	3.034	9.4	21.7	150 W	41	68
10 18	2 59.24	− 4 8.1	2.080	3.009	8.3	21.6	154 W	41	68
10 23	2 55.10	− 4 36.8	2.040	2.983	7.4	21.5	157 W	40	69
10 28	2 50.58	− 5 3.0	2.007	2.957	6.8	21.4	159 W	40	69
11 2	2 45.78	− 5 25.9	1.981	2.931	6.8	21.3	159 W	40	69
11 7	2 40.81	− 5 44.9	1.962	2.904	7.4	21.3	158 E	39	70
11 12	2 35.78	− 5 59.3	1.950	2.878	8.4	21.3	155 E	39	70
11 17	2 30.82	− 6 8.6	1.945	2.851	9.7	21.4	151 E	39	70
11 22	2 26.06	− 6 12.2	1.947	2.823	11.1	21.4	146 E	39	70
11 27	2 21.62	− 6 10.1	1.955	2.796	12.7	21.4	142 E	39	70
12 2	2 17.59	− 6 2.3	1.969	2.769	14.2	21.5	137 E	39	70
481044 2005 EG_{225}									
10 8	3 7.71	−14 54.8	2.216	3.058	11.8	21.8	141 W	30	79
10 13	3 3.73	−15 19.4	2.176	3.041	11.1	21.7	144 W	30	79
10 18	2 59.23	−15 40.4	2.141	3.024	10.4	21.6	147 W	29	80
10 23	2 54.28	−15 56.9	2.114	3.007	10.0	21.6	148 W	29	80
10 28	2 48.98	−16 8.0	2.092	2.989	9.8	21.5	149 W	29	80
11 2	2 43.46	−16 12.9	2.078	2.971	9.9	21.5	149 W	29	80
11 7	2 37.82	−16 11.2	2.070	2.953	10.4	21.5	147 E	29	80
11 12	2 32.20	−16 2.6	2.068	2.935	11.1	21.5	145 E	29	80
11 17	2 26.72	−15 46.7	2.074	2.917	12.1	21.5	142 E	29	80
11 22	2 21.53	−15 23.8	2.085	2.898	13.1	21.6	138 E	30	79
11 27	2 16.72	−14 54.0	2.103	2.879	14.2	21.6	134 E	30	79
12 2	2 12.39	−14 18.0	2.125	2.860	15.3	21.7	130 E	31	78
443842 2001 FA_{24}									
10 8	3 9.05	+27 27.9	2.801	3.636	9.8	22.5	142 W	72	37
10 18	3 1.05	+27 29.0	2.741	3.653	7.3	22.3	152 W	72	37
10 28	2 51.75	+27 17.9	2.709	3.669	4.6	22.2	163 W	72	37
11 7	2 41.89	+26 55.4	2.706	3.685	2.9	22.1	169 E	72	37
11 17	2 32.29	+26 23.8	2.736	3.699	4.0	22.2	165 E	71	38
11 27	2 23.72	+25 46.8	2.796	3.712	6.5	22.4	155 E	71	38
162825 2001 BO_{61}									
10 8	3 9.90	+ 5 36.5	1.575	2.470	12.9	21.7	146 W	51	58
10 13	3 2.94	+ 4 49.0	1.571	2.499	10.6	21.6	153 W	50	59
10 18	2 55.52	+ 4 2.1	1.574	2.527	8.3	21.6	159 W	49	60
10 23	2 47.81	+ 3 16.8	1.584	2.555	6.3	21.5	164 W	48	61
10 28	2 40.02	+ 2 34.3	1.603	2.581	4.9	21.5	167 W	48	61
11 2	2 32.34	+ 1 55.6	1.630	2.607	4.8	21.6	167 W	47	62
11 7	2 24.93	+ 1 21.4	1.665	2.632	6.0	21.7	164 E	46	63
11 12	2 17.95	+ 0 52.4	1.708	2.656	7.7	21.8	159 E	46	63
11 17	2 11.55	+ 0 28.9	1.759	2.679	9.5	22.0	153 E	45	64
11 22	2 5.82	+ 0 11.1	1.816	2.702	11.3	22.2	148 E	45	64
11 27	2 0.82	− 0 1.0	1.880	2.724	13.0	22.3	142 E	45	64
12 2	1 56.60	− 0 7.7	1.950	2.745	14.5	22.5	136 E	45	64
480990 2004 BV_{114}									
10 8	3 12.44	+ 0 49.3	1.551	2.440	13.5	21.5	145 W	46	63
10 13	3 10.08	+ 0 9.8	1.502	2.418	11.9	21.3	150 W	45	64
10 18	3 7.04	− 0 30.0	1.459	2.396	10.4	21.2	154 W	45	64
10 23	3 3.39	− 1 9.2	1.422	2.374	9.0	21.0	158 W	44	65
10 28	2 59.21	− 1 46.5	1.392	2.352	8.0	20.9	161 W	43	66
11 2	2 54.63	− 2 20.8	1.367	2.331	7.6	20.9	162 W	43	66
11 7	2 49.77	− 2 50.9	1.349	2.309	8.1	20.8	161 W	42	67
11 12	2 44.79	− 3 15.9	1.338	2.287	9.2	20.8	158 E	42	67
11 17	2 39.87	− 3 34.7	1.333	2.265	10.9	20.9	154 E	41	68

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
480990 2004 BV_{114} *(continuation)*									
11 22	2 35.17	− 3 46.5	1.334	2.243	12.8	20.9	150 E	41	68
11 27	2 30.87	− 3 51.1	1.340	2.221	14.8	21.0	145 E	41	68
12 2	2 27.09	− 3 48.2	1.352	2.199	16.8	21.1	140 E	41	68
12 7	2 23.95	− 3 38.0	1.368	2.177	18.8	21.1	135 E	41	68
12 12	2 21.53	− 3 20.7	1.388	2.155	20.6	21.2	130 E	42	67
12 17	2 19.91	− 2 56.6	1.412	2.133	22.2	21.3	125 E	42	67
12 22	2 19.13	− 2 26.4	1.439	2.112	23.8	21.3	120 E	43	66
12 27	2 19.18	− 1 50.5	1.469	2.090	25.1	21.4	116 E	43	66
1 1	2 20.08	− 1 9.7	1.500	2.069	26.3	21.5	111 E	44	65
446789 1998 FN_9									
10 8	3 13.06	+ 2 37.9	0.600	1.531	21.8	21.6	145 W	48	61
10 13	3 11.21	+ 0 12.2	0.569	1.517	19.4	21.4	150 W	45	64
10 18	3 8.06	− 2 24.2	0.544	1.502	17.4	21.2	153 W	43	66
10 23	3 3.68	− 5 7.4	0.523	1.486	16.1	21.0	155 W	40	69
10 28	2 58.23	− 7 52.2	0.507	1.471	16.1	20.9	156 W	37	72
11 2	2 51.92	−10 32.8	0.496	1.455	17.3	20.9	154 W	34	75
11 7	2 45.05	−13 3.2	0.490	1.438	19.7	20.9	151 E	32	77
11 12	2 37.96	−15 17.8	0.488	1.422	22.8	21.0	146 E	30	79
11 17	2 31.05	−17 12.4	0.491	1.405	26.3	21.1	141 E	28	81
11 22	2 24.72	−18 44.4	0.497	1.388	29.8	21.2	136 E	26	83
11 27	2 19.29	−19 53.0	0.505	1.370	33.1	21.3	131 E	25	84
12 2	2 14.98	−20 39.0	0.515	1.353	36.3	21.4	126 E	24	85
12 7	2 11.96	−21 4.2	0.527	1.335	39.3	21.5	121 E	24	85
351331 2004 XH_{29}									
10 8	3 16.53	+29 43.3	1.189	2.050	18.6	21.6	139 W	75	34
10 13	3 10.37	+28 56.5	1.143	2.043	16.2	21.4	145 W	74	35
10 18	3 3.07	+27 58.6	1.102	2.035	13.4	21.2	152 W	73	36
10 23	2 54.80	+26 49.0	1.068	2.027	10.4	21.0	158 W	72	37
10 28	2 45.81	+25 27.8	1.041	2.017	7.3	20.8	165 W	70	39
11 2	2 36.39	+23 56.0	1.021	2.006	4.6	20.7	171 W	69	40
11 7	2 26.85	+22 15.6	1.009	1.995	4.0	20.6	172 E	67	42
11 12	2 17.53	+20 29.1	1.004	1.982	6.2	20.7	167 E	65	44
11 17	2 8.76	+18 39.8	1.008	1.969	9.5	20.8	161 E	64	45
11 22	2 0.82	+16 51.4	1.019	1.955	12.9	21.0	154 E	62	47
11 27	1 53.91	+15 6.9	1.038	1.940	16.2	21.1	147 E	60	49
12 2	1 48.15	+13 29.2	1.062	1.924	19.3	21.2	140 E	58	51
12 7	1 43.61	+12 0.0	1.091	1.907	22.1	21.4	133 E	57	52
12 12	1 40.29	+10 40.5	1.125	1.889	24.6	21.5	127 E	56	53
8013 Gordonmoore									
10 8	3 19.97	+ 7 45.2	1.902	2.772	12.3	21.3	144 W	53	56
10 18	3 11.09	+ 6 57.7	1.867	2.803	8.5	21.2	155 W	52	57
10 28	3 0.58	+ 6 11.4	1.859	2.833	5.0	21.0	166 W	51	58
11 7	2 49.45	+ 5 31.1	1.882	2.861	3.7	21.0	169 W	51	58
11 17	2 38.75	+ 5 1.1	1.934	2.888	6.3	21.2	161 E	50	59
11 27	2 29.48	+ 4 44.6	2.016	2.914	9.7	21.5	150 E	50	59
12 7	2 22.30	+ 4 42.9	2.123	2.938	12.7	21.7	139 E	50	59
85867 1999 BY_9									
10 8	3 20.25	+19 22.7	1.336	2.211	16.1	21.2	142 W	64	45
10 18	3 12.26	+18 51.9	1.248	2.188	11.5	20.9	154 W	64	45
10 28	3 1.01	+18 4.8	1.183	2.162	6.1	20.5	167 W	63	46
11 7	2 47.67	+17 4.1	1.145	2.136	0.4	20.0	179 E	62	47
11 12	2 40.72	+16 30.4	1.136	2.122	3.2	20.2	173 E	62	47
11 17	2 33.91	+15 56.0	1.134	2.108	6.4	20.4	166 E	61	48
11 22	2 27.49	+15 22.2	1.139	2.093	9.4	20.5	160 E	60	49
11 27	2 21.66	+14 50.3	1.150	2.078	12.4	20.6	153 E	60	49
12 2	2 16.59	+14 21.4	1.166	2.063	15.2	20.7	147 E	59	50
12 7	2 12.40	+13 56.5	1.188	2.047	17.8	20.9	141 E	59	50
12 12	2 9.18	+13 36.2	1.215	2.031	20.2	21.0	135 E	59	50
12 17	2 6.97	+13 21.0	1.245	2.015	22.3	21.1	129 E	58	51
12 22	2 5.80	+13 11.3	1.279	1.998	24.2	21.2	124 E	58	51
12 27	2 5.63	+13 7.1	1.315	1.981	25.9	21.3	118 E	58	51
1 1	2 6.44	+13 8.1	1.353	1.964	27.3	21.3	113 E	58	51
1 6	2 8.18	+13 14.1	1.393	1.946	28.6	21.4	109 E	58	51*
1 11	2 10.79	+13 24.7	1.433	1.929	29.6	21.5	104 E	58	50*
264308 1999 NA_5									
10 8	3 29.82	+25 20.2	0.916	1.789	21.9	22.4	138 W	70	39
10 18	3 19.32	+24 46.1	0.858	1.792	16.0	22.1	150 W	70	39
10 28	3 4.36	+23 41.0	0.819	1.793	9.2	21.7	163 W	69	40
11 7	2 46.97	+22 6.7	0.803	1.792	3.2	21.4	174 E	67	42
11 17	2 29.92	+20 14.1	0.813	1.788	7.8	21.7	166 E	65	44
11 27	2 15.90	+18 21.3	0.847	1.782	14.8	22.0	153 E	63	46
155140 2005 UD									
10 8	3 45.02	+39 20.5	1.626	2.387	18.9	21.3	129 W	84	25
10 13	3 35.83	+39 53.2	1.576	2.386	17.3	21.2	135 W	85	24
10 18	3 25.14	+40 18.3	1.531	2.385	15.5	21.1	140 W	85	24
10 23	3 13.10	+40 33.6	1.493	2.382	13.6	20.9	146 W	86	23

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
155140 2005 *UD* *(continuation)*									
10 28	2 59.94	+40 37.0	1.463	2.378	11.9	20.8	150 W	86	23
11 2	2 46.03	+40 27.2	1.441	2.373	10.6	20.7	154 W	85	24
11 7	2 31.78	+40 3.4	1.427	2.367	9.8	20.7	156 E	85	24
11 12	2 17.66	+39 25.9	1.422	2.359	10.0	20.7	156 E	84	25
11 17	2 4.13	+38 36.3	1.427	2.351	11.0	20.7	153 E	84	25
11 22	1 51.59	+37 36.9	1.440	2.341	12.6	20.8	149 E	83	26
11 27	1 40.32	+36 30.8	1.461	2.330	14.5	20.9	144 E	82	27
12 2	1 30.50	+35 21.1	1.489	2.318	16.5	21.0	138 E	80	29
12 7	1 22.19	+34 10.7	1.524	2.305	18.4	21.1	132 E	79	30
12 12	1 15.41	+33 2.0	1.564	2.291	20.2	21.2	126 E	78	31
12 17	1 10.09	+31 57.1	1.609	2.275	21.8	21.3	121 E	77	32
12 22	1 6.15	+30 57.4	1.658	2.258	23.2	21.4	115 E	76	33*
12 27	1 3.47	+30 3.9	1.709	2.240	24.4	21.5	110 E	75	33*
424207 2007 PL_{42}									
10 8	3 56.26	+29 21.6	0.856	1.691	26.4	21.5	131 W	74	35
10 13	3 53.62	+29 37.2	0.833	1.701	23.8	21.4	137 W	75	34
10 18	3 49.58	+29 46.8	0.813	1.712	21.0	21.2	142 W	75	34
10 23	3 44.24	+29 49.4	0.797	1.722	17.9	21.1	148 W	75	34
10 28	3 37.78	+29 44.3	0.785	1.733	14.7	21.0	154 W	75	34
11 2	3 30.44	+29 31.1	0.778	1.743	11.5	20.9	160 W	75	34
11 7	3 22.54	+29 9.7	0.776	1.753	8.4	20.8	165 W	74	35
11 12	3 14.43	+28 40.6	0.781	1.762	6.2	20.7	169 W	74	35
11 17	3 6.49	+28 5.0	0.790	1.772	5.9	20.7	169 E	73	36
11 22	2 59.10	+27 24.8	0.806	1.781	7.6	20.8	166 E	72	37
11 27	2 52.54	+26 42.2	0.828	1.790	10.3	21.0	161 E	72	37
12 2	2 47.04	+25 59.3	0.855	1.799	13.2	21.2	155 E	71	38
12 7	2 42.71	+25 18.0	0.887	1.807	16.0	21.4	150 E	70	39
12 12	2 39.61	+24 39.7	0.924	1.816	18.5	21.6	144 E	70	39
434762 2006 HA_{153}									
10 8	4 3.89	+17 49.7	4.121	4.851	8.8	21.4	132 W	63	46
10 18	4 0.30	+17 54.3	4.019	4.852	7.1	21.3	143 W	63	46
10 28	3 55.47	+17 56.6	3.940	4.854	5.1	21.1	154 W	63	46
11 7	3 49.68	+17 57.1	3.889	4.855	2.9	21.0	165 W	63	46
11 17	3 43.32	+17 56.3	3.869	4.856	0.7	20.8	177 W	63	46
11 27	3 36.84	+17 55.3	3.880	4.857	1.8	20.9	171 E	63	46
12 7	3 30.72	+17 55.0	3.922	4.858	4.0	21.1	160 E	63	46
12 17	3 25.37	+17 56.8	3.994	4.859	6.1	21.2	148 E	63	46
12 27	3 21.15	+18 1.6	4.093	4.860	7.9	21.4	137 E	63	46
1 6	3 18.27	+18 10.3	4.213	4.861	9.4	21.5	126 E	63	46
378124 2006 VT_2									
10 8	4 4.41	+ 1 31.8	1.351	2.156	20.0	21.4	133 W	47	62
10 13	3 57.82	+ 1 8.6	1.298	2.149	17.9	21.3	138 W	46	63
10 18	3 49.90	+ 0 45.6	1.249	2.141	15.7	21.1	145 W	46	63
10 23	3 40.68	+ 0 23.9	1.208	2.131	13.3	20.9	151 W	45	64
10 28	3 30.26	+ 0 4.5	1.173	2.120	10.9	20.8	156 W	45	64
11 2	3 18.85	− 0 11.4	1.146	2.109	8.9	20.6	161 W	45	64
11 7	3 6.69	− 0 22.7	1.128	2.095	8.0	20.5	163 W	45	64
11 12	2 54.13	− 0 28.3	1.119	2.081	8.7	20.5	161 E	45	64
11 17	2 41.54	− 0 27.4	1.118	2.066	10.7	20.6	157 E	45	64
11 22	2 29.31	− 0 19.6	1.126	2.049	13.3	20.7	151 E	45	64
11 27	2 17.79	− 0 4.8	1.142	2.031	16.2	20.8	145 E	45	64
12 2	2 7.24	+ 0 16.7	1.166	2.012	19.0	20.9	138 E	45	64
12 7	1 57.87	+ 0 44.3	1.195	1.991	21.7	21.0	132 E	46	63
12 12	1 49.78	+ 1 17.5	1.230	1.970	24.1	21.1	125 E	46	63
12 17	1 43.03	+ 1 55.4	1.268	1.946	26.2	21.3	119 E	47	62
12 22	1 37.61	+ 2 37.7	1.310	1.922	28.1	21.3	113 E	48	61
12 27	1 33.47	+ 3 23.6	1.354	1.896	29.7	21.4	107 E	48	61*
400596 2009 BC_2									
10 8	4 21.86	+45 3.7	2.623	3.246	15.4	21.4	120 W	90	19
10 18	4 17.17	+45 21.8	2.492	3.222	13.8	21.2	130 W	90	19
10 28	4 9.39	+45 23.2	2.380	3.197	11.8	21.0	139 W	90	19
11 7	3 58.98	+45 2.7	2.289	3.171	9.6	20.8	148 W	90	19
11 17	3 46.83	+44 16.2	2.223	3.144	7.8	20.7	154 W	89	20
11 27	3 34.24	+43 2.6	2.186	3.116	7.2	20.6	157 E	88	21
12 7	3 22.60	+41 25.9	2.178	3.088	8.3	20.6	153 E	86	23
12 17	3 13.07	+39 33.4	2.199	3.059	10.6	20.7	145 E	85	24
12 27	3 6.40	+37 34.8	2.246	3.029	13.1	20.8	136 E	83	26
1 6	3 2.90	+35 39.1	2.315	2.998	15.4	21.0	126 E	81	28
1 16	3 2.50	+33 52.8	2.401	2.966	17.4	21.1	116 E	79	30*
469478 2002 TU_2									
10 8	4 55.29	+27 10.0	1.452	2.126	24.2	21.4	119 W	72	37
10 18	4 54.27	+27 43.5	1.388	2.160	21.0	21.2	129 W	73	36
10 28	4 49.17	+28 9.5	1.337	2.193	16.9	21.0	140 W	73	36
11 7	4 40.35	+28 24.8	1.304	2.227	12.2	20.8	152 W	73	36
11 17	4 28.72	+28 26.2	1.294	2.260	7.1	20.7	164 W	73	36
11 27	4 15.86	+28 12.6	1.311	2.293	3.1	20.5	173 W	73	36

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
469478 2002 TU_2 *(continuation)*									
12 2	4 9.54	+28 0.9	1.329	2.309	3.5	20.6	172 E	73	36
12 7	4 3.57	+27 46.7	1.354	2.325	5.4	20.7	167 E	73	36
12 12	3 58.14	+27 30.8	1.386	2.341	7.6	20.9	162 E	73	36
12 17	3 53.40	+27 14.2	1.425	2.357	9.8	21.1	156 E	72	37
12 22	3 49.46	+26 57.5	1.470	2.373	11.9	21.2	150 E	72	37
12 27	3 46.38	+26 41.8	1.520	2.389	13.9	21.4	144 E	72	37
452307 Manawydan									
10 8	4 59.33	+41 39.9	1.194	1.855	29.1	21.3	115 W	87	22
10 13	5 0.23	+40 34.6	1.120	1.835	28.1	21.1	120 W	86	23
10 18	4 59.75	+39 15.0	1.048	1.815	26.7	20.9	125 W	84	25
10 23	4 57.78	+37 38.3	0.979	1.794	24.9	20.7	131 W	83	26
10 28	4 54.28	+35 41.1	0.914	1.773	22.6	20.4	137 W	81	28
11 2	4 49.21	+33 20.1	0.854	1.753	19.8	20.2	143 W	78	31
11 7	4 42.62	+30 31.9	0.799	1.732	16.4	19.9	150 W	76	33
11 12	4 34.61	+27 13.9	0.752	1.711	12.4	19.6	158 W	72	37
11 17	4 25.43	+23 25.6	0.713	1.689	8.0	19.3	166 W	68	41
11 22	4 15.43	+19 10.0	0.683	1.668	3.5	18.9	174 W	64	45
11 27	4 5.04	+14 33.8	0.663	1.647	4.0	18.9	173 E	60	49
11 29	4 0.88	+12 39.8	0.658	1.639	6.0	18.9	170 E	58	51
12 1	3 56.75	+10 44.9	0.655	1.630	8.1	19.0	167 E	56	53
12 3	3 52.70	+ 8 49.9	0.654	1.622	10.3	19.1	163 E	54	55
12 5	3 48.73	+ 6 55.7	0.654	1.614	12.5	19.2	159 E	52	57
12 7	3 44.88	+ 5 3.1	0.656	1.605	14.7	19.2	156 E	50	59
12 9	3 41.17	+ 3 12.6	0.659	1.597	16.8	19.3	152 E	48	61
12 11	3 37.62	+ 1 25.2	0.664	1.589	18.9	19.4	148 E	46	63
12 13	3 34.26	− 0 18.9	0.670	1.580	21.0	19.5	145 E	45	64
12 15	3 31.08	− 1 58.9	0.677	1.572	22.9	19.5	142 E	43	66
12 17	3 28.12	− 3 34.6	0.686	1.564	24.8	19.6	138 E	41	68
12 22	3 21.70	− 7 13.6	0.712	1.543	29.0	19.8	130 E	38	71
12 27	3 16.74	−10 22.7	0.743	1.523	32.7	19.9	123 E	35	74
1 1	3 13.24	−13 3.2	0.778	1.503	35.7	20.1	117 E	32	77
1 6	3 11.17	−15 17.7	0.815	1.484	38.3	20.2	111 E	30	79
1 11	3 10.44	−17 9.4	0.853	1.465	40.3	20.4	106 E	28	81
1 16	3 10.98	−18 41.7	0.892	1.446	41.9	20.5	101 E	26	83
435323 2007 VB_5									
10 8	4 59.71	+ 7 22.1	1.707	2.362	21.7	21.5	119 W	52	57
10 18	4 57.55	+ 4 51.2	1.653	2.406	18.8	21.4	129 W	50	59
10 28	4 52.25	+ 2 18.6	1.617	2.451	15.6	21.2	138 W	47	62
11 7	4 44.29	− 0 7.2	1.603	2.494	12.4	21.1	147 W	45	64
11 17	4 34.46	− 2 16.4	1.614	2.537	10.0	21.1	153 W	43	66
11 27	4 23.86	− 3 59.9	1.653	2.580	9.4	21.2	155 W	41	68
12 7	4 13.71	− 5 12.4	1.720	2.622	10.7	21.3	150 E	40	69
12 17	4 5.01	− 5 52.6	1.812	2.663	12.9	21.6	143 E	39	70
12 27	3 58.51	− 6 3.3	1.926	2.704	15.2	21.8	134 E	39	70
303079 2004 *AB*									
10 8	5 8.80	+ 9 33.8	2.620	3.201	16.1	21.5	117 W	55	54
10 18	5 8.23	+ 8 31.2	2.469	3.166	14.6	21.3	127 W	54	55
10 28	5 5.31	+ 7 24.3	2.334	3.130	12.6	21.1	137 W	52	57
11 7	5 0.05	+ 6 15.7	2.219	3.094	10.2	20.8	146 W	51	58
11 17	4 52.68	+ 5 9.0	2.129	3.056	7.7	20.6	156 W	50	59
11 27	4 43.70	+ 4 9.0	2.066	3.018	6.0	20.4	161 W	49	60
12 7	4 33.91	+ 3 20.1	2.033	2.978	6.5	20.4	160 E	48	61
12 17	4 24.22	+ 2 46.4	2.030	2.938	8.9	20.5	153 E	48	61
12 27	4 15.61	+ 2 30.2	2.053	2.897	11.9	20.6	143 E	48	61
1 6	4 8.85	+ 2 31.6	2.100	2.855	14.8	20.7	132 E	48	61
1 16	4 4.44	+ 2 49.3	2.164	2.813	17.2	20.8	122 E	48	61
137125 1999 CT_3									
10 8	5 10.75	+78 23.0	1.092	1.613	37.5	21.4	101 W	57	—
10 10	5 15.46	+79 9.6	1.085	1.613	37.4	21.4	101 W	56	—
10 12	5 19.97	+79 55.3	1.079	1.614	37.2	21.4	102 W	55	—
10 14	5 24.21	+80 40.2	1.072	1.614	37.1	21.4	102 W	54	—
10 16	5 28.07	+81 24.2	1.066	1.614	37.0	21.4	103 W	54	—
10 18	5 31.45	+82 7.2	1.059	1.615	36.9	21.4	103 W	53	—
10 19	5 32.91	+82 28.3	1.056	1.615	36.8	21.4	104 W	53	—
10 20	5 34.17	+82 49.2	1.053	1.615	36.8	21.3	104 W	52	—
10 21	5 35.23	+83 9.9	1.050	1.615	36.7	21.3	104 W	52	—
10 22	5 36.03	+83 30.3	1.047	1.615	36.6	21.3	104 W	51	—
10 23	5 36.53	+83 50.4	1.044	1.615	36.6	21.3	105 W	51	—
10 24	5 36.70	+84 10.2	1.041	1.615	36.5	21.3	105 W	51	—
10 25	5 36.46	+84 29.8	1.038	1.615	36.5	21.3	105 W	51	—
10 26	5 35.74	+84 49.0	1.035	1.615	36.4	21.3	105 W	50	—
10 27	5 34.46	+85 7.9	1.032	1.615	36.3	21.3	106 W	50	—
10 28	5 32.51	+85 26.5	1.029	1.615	36.3	21.3	106 W	50	—
10 29	5 29.74	+85 44.7	1.026	1.615	36.2	21.3	106 W	49	—
10 30	5 26.00	+86 2.4	1.023	1.615	36.1	21.3	106 W	49	—

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	137125 1999 CT_3 *(continuation)*								
	h m	° ′			°	m	°	°	°
10 31	5 21.06	+86 19.7	1.020	1.615	36.1	21.3	107 W	49	—
11 1	5 14.67	+86 36.4	1.017	1.614	36.0	21.2	107 W	48	—
11 2	5 6.50	+86 52.5	1.014	1.614	36.0	21.2	107 W	48	—
11 3	4 56.16	+87 7.8	1.011	1.614	35.9	21.2	107 W	48	—
11 4	4 43.15	+87 22.1	1.008	1.614	35.9	21.2	108 W	48	—
11 5	4 26.96	+87 35.3	1.006	1.614	35.8	21.2	108 W	47	—
11 6	4 7.06	+87 46.9	1.003	1.614	35.7	21.2	108 W	47	—
11 7	3 43.04	+87 56.7	1.000	1.613	35.7	21.2	108 W	47	—
11 8	3 14.92	+88 4.2	0.997	1.613	35.6	21.2	108 W	47	—
11 9	2 43.33	+88 9.0	0.995	1.613	35.6	21.2	109 E	47	—
11 10	2 9.73	+88 10.8	0.992	1.613	35.5	21.2	109 E	47	—
11 11	1 36.15	+88 9.4	0.989	1.613	35.5	21.2	109 E	47	—
11 12	1 4.64	+88 5.1	0.987	1.612	35.4	21.2	109 E	47	—
11 13	0 36.66	+87 58.2	0.984	1.612	35.4	21.2	110 E	47	—
11 14	0 12.86	+87 49.1	0.982	1.612	35.3	21.1	110 E	47	—
11 15	23 53.24	+87 38.2	0.979	1.611	35.3	21.1	110 E	47	—
11 16	23 37.40	+87 25.9	0.976	1.611	35.2	21.1	110 E	48	—
11 17	23 24.83	+87 12.5	0.974	1.611	35.2	21.1	110 E	48	—
11 18	23 14.97	+86 58.4	0.972	1.610	35.1	21.1	110 E	48	—
11 19	23 7.36	+86 43.6	0.969	1.610	35.1	21.1	111 E	48	—
11 20	23 1.58	+86 28.2	0.967	1.610	35.0	21.1	111 E	49	—
11 21	22 57.31	+86 12.5	0.964	1.609	35.0	21.1	111 E	49	—
11 22	22 54.29	+85 56.4	0.962	1.609	34.9	21.1	111 E	49	—
11 23	22 52.30	+85 40.0	0.960	1.608	34.9	21.1	111 E	49	—
11 24	22 51.17	+85 23.3	0.958	1.608	34.8	21.1	112 E	50	—
11 25	22 50.76	+85 6.4	0.956	1.607	34.8	21.1	112 E	50	—
11 26	22 50.96	+84 49.3	0.953	1.607	34.8	21.1	112 E	50	—
11 27	22 51.68	+84 32.1	0.951	1.606	34.7	21.1	112 E	50	—
11 28	22 52.84	+84 14.6	0.949	1.606	34.7	21.0	112 E	51	—
11 29	22 54.39	+83 56.9	0.947	1.605	34.7	21.0	112 E	51	—
11 30	22 56.27	+83 39.1	0.945	1.605	34.6	21.0	112 E	51	—
12 1	22 58.44	+83 21.1	0.943	1.604	34.6	21.0	112 E	52	—
12 2	23 0.85	+83 3.0	0.942	1.604	34.6	21.0	113 E	52	—
12 3	23 3.49	+82 44.6	0.940	1.603	34.6	21.0	113 E	52	—
12 4	23 6.32	+82 26.1	0.938	1.603	34.5	21.0	113 E	53	—
12 5	23 9.32	+82 7.4	0.936	1.602	34.5	21.0	113 E	53	—
12 6	23 12.47	+81 48.4	0.935	1.601	34.5	21.0	113 E	53	—
12 7	23 15.75	+81 29.3	0.933	1.601	34.5	21.0	113 E	54	—
12 8	23 19.15	+81 10.0	0.931	1.600	34.5	21.0	113 E	54	—
12 9	23 22.66	+80 50.5	0.930	1.599	34.5	21.0	113 E	54	—
12 10	23 26.26	+80 30.8	0.929	1.599	34.5	21.0	113 E	54	—
12 11	23 29.94	+80 10.9	0.927	1.598	34.4	21.0	113 E	55	—
12 12	23 33.69	+79 50.7	0.926	1.597	34.4	21.0	113 E	55	—
12 13	23 37.51	+79 30.4	0.925	1.597	34.4	21.0	113 E	55	—
12 14	23 41.39	+79 9.8	0.923	1.596	34.5	21.0	113 E	56	—
12 15	23 45.31	+78 49.0	0.922	1.595	34.5	21.0	114 E	56	—
12 16	23 49.28	+78 27.9	0.921	1.594	34.5	21.0	114 E	57	—
12 17	23 53.28	+78 6.7	0.920	1.594	34.5	21.0	114 E	57	—
12 19	0 1.37	+77 23.4	0.919	1.592	34.5	21.0	114 E	58	—
12 21	0 9.55	+76 39.3	0.917	1.590	34.6	20.9	113 E	58	—
12 23	0 17.78	+75 54.2	0.916	1.589	34.6	20.9	113 E	59	—
12 25	0 26.03	+75 8.2	0.916	1.587	34.7	20.9	113 E	60	—
12 27	0 34.28	+74 21.2	0.915	1.585	34.8	20.9	113 E	61	—
12 29	0 42.51	+73 33.4	0.915	1.583	34.9	20.9	113 E	61	—
12 31	0 50.71	+72 44.5	0.916	1.581	35.0	20.9	113 E	62	—
1 2	0 58.86	+71 54.8	0.916	1.579	35.1	20.9	112 E	63	—
1 4	1 6.95	+71 4.2	0.917	1.577	35.3	21.0	112 E	64	—
1 6	1 14.98	+70 12.7	0.919	1.575	35.4	21.0	112 E	65	—
1 8	1 22.94	+69 20.4	0.921	1.573	35.6	21.0	111 E	66	—
1 10	1 30.82	+68 27.4	0.923	1.571	35.8	21.0	111 E	67	—
1 12	1 38.63	+67 33.7	0.926	1.568	36.0	21.0	110 E	67	—
1 14	1 46.35	+66 39.3	0.929	1.566	36.2	21.0	110 E	68	—
	41429 2000 GE_2								
10 8	5 15.46	+26 46.4	0.548	1.326	43.2	21.5	115 W	72	37
10 13	5 6.33	+26 54.0	0.549	1.369	38.3	21.4	122 W	72	37
10 18	4 55.45	+26 55.6	0.552	1.411	33.3	21.4	129 W	72	37
10 23	4 43.04	+26 49.5	0.558	1.453	28.0	21.3	137 W	72	37
10 28	4 29.47	+26 34.8	0.568	1.493	22.6	21.2	145 W	72	37
11 2	4 15.26	+26 10.9	0.582	1.533	17.2	21.2	153 W	71	38
11 7	4 0.95	+25 38.4	0.602	1.572	12.0	21.1	161 W	71	38
11 12	3 47.14	+24 59.0	0.627	1.610	7.0	21.0	169 W	70	39
11 17	3 34.32	+24 15.1	0.660	1.647	3.2	21.0	175 W	69	40
11 22	3 22.91	+23 29.6	0.698	1.683	4.3	21.2	173 E	68	41
11 27	3 13.14	+22 45.1	0.743	1.718	7.8	21.6	166 E	68	41
12 2	3 5.10	+22 3.9	0.794	1.752	11.3	21.9	160 E	67	42
12 7	2 58.76	+21 27.4	0.851	1.786	14.5	22.2	153 E	66	43
	373579 2002 AW_{11}								
10 8	5 22.30	+ 0 23.7	1.078	1.733	32.0	21.4	113 W	45	64
10 18	5 27.34	− 0 23.5	0.962	1.701	30.3	21.1	121 W	45	64
10 28	5 28.31	− 1 6.9	0.852	1.665	27.7	20.7	129 W	44	65
11 7	5 24.25	− 1 36.6	0.751	1.628	24.2	20.3	138 W	43	66

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	373579 2002 AW_{11} *(continuation)*								
	h m	° ′			°	m	°	°	°
11 12	5 20.02	− 1 42.2	0.706	1.608	22.0	20.0	142 W	43	66
11 17	5 14.18	− 1 38.7	0.664	1.588	19.8	19.8	147 W	43	66
11 22	5 6.74	− 1 23.5	0.626	1.567	17.5	19.6	152 W	44	65
11 27	4 57.74	− 0 54.4	0.593	1.545	15.5	19.4	155 W	44	65
12 2	4 47.36	− 0 9.2	0.565	1.523	14.3	19.2	158 W	45	64
12 7	4 35.86	+ 0 53.5	0.542	1.501	14.4	19.1	158 E	46	63
12 17	4 11.23	+ 3 51.3	0.513	1.455	19.0	19.0	151 E	49	60
12 27	3 47.92	+ 7 47.9	0.506	1.407	26.9	19.2	140 E	53	56
1 6	3 29.47	+12 19.5	0.515	1.358	35.2	19.4	127 E	57	52
1 16	3 17.76	+17 4.3	0.535	1.308	42.6	19.6	116 E	62	47
	360209 1998 WJ_7								
10 8	5 32.42	+23 16.7	1.136	1.764	31.9	21.4	111 W	68	41
10 18	5 45.68	+24 25.9	1.013	1.723	30.7	21.0	118 W	69	40
10 28	5 56.76	+25 46.3	0.899	1.683	28.8	20.7	125 W	71	38
11 7	6 5.01	+27 23.1	0.795	1.643	26.0	20.3	134 W	72	37
11 12	6 7.79	+28 19.1	0.747	1.623	24.2	20.0	138 W	73	36
11 17	6 9.52	+29 20.7	0.703	1.603	22.1	19.8	142 W	74	35
11 22	6 10.11	+30 28.0	0.662	1.584	19.9	19.6	147 W	75	34
11 27	6 9.46	+31 40.7	0.625	1.565	17.4	19.4	152 W	77	32
12 2	6 7.54	+32 58.0	0.592	1.547	14.8	19.1	156 W	78	31
12 7	6 4.31	+34 18.3	0.564	1.529	12.2	18.9	161 W	79	30
12 12	5 59.83	+35 39.6	0.540	1.511	10.1	18.7	164 W	81	28
12 17	5 54.27	+36 59.2	0.520	1.494	9.2	18.6	166 W	82	27
12 22	5 47.96	+38 14.3	0.506	1.478	10.0	18.5	165 E	83	26
12 27	5 41.30	+39 22.3	0.495	1.462	12.2	18.5	162 E	84	25
1 1	5 34.77	+40 21.2	0.489	1.447	15.3	18.6	157 E	85	24
1 6	5 28.86	+41 9.9	0.487	1.432	18.7	18.7	152 E	86	23
1 11	5 24.05	+41 48.0	0.489	1.419	22.2	18.8	147 E	87	22
1 16	5 20.75	+42 16.0	0.494	1.406	25.5	18.9	142 E	87	22
	377974 2006 OU_2								
10 8	5 35.29	+13 33.0	1.526	2.099	26.5	21.4	111 W	59	50
10 18	5 37.65	+13 20.3	1.452	2.131	23.9	21.3	120 W	58	51
10 28	5 36.30	+13 9.8	1.387	2.162	20.7	21.1	130 W	58	51
11 7	5 31.23	+13 4.1	1.335	2.194	16.6	20.9	141 W	58	51
11 17	5 22.74	+13 4.9	1.302	2.225	11.9	20.7	152 W	58	51
11 27	5 11.71	+13 13.8	1.292	2.256	7.1	20.5	164 W	58	51
12 7	4 59.53	+13 31.2	1.309	2.287	3.9	20.4	171 W	59	50
12 12	4 53.49	+13 43.1	1.327	2.302	4.6	20.5	169 E	59	50
12 17	4 47.76	+13 56.9	1.353	2.317	6.5	20.7	165 E	59	50
12 22	4 42.50	+14 12.7	1.385	2.331	8.6	20.8	159 E	59	50
12 27	4 37.87	+14 30.4	1.424	2.346	10.8	21.0	154 E	60	49
1 1	4 33.95	+14 49.6	1.469	2.361	12.8	21.2	148 E	60	49
1 6	4 30.82	+15 10.4	1.520	2.375	14.7	21.3	142 E	60	49
1 11	4 28.51	+15 32.4	1.575	2.389	16.4	21.5	137 E	61	48
	138893 2000 YH_{66}								
10 8	5 38.18	+36 41.3	1.346	1.918	29.5	21.4	109 W	82	27
10 13	5 34.66	+36 53.3	1.298	1.936	28.0	21.3	114 W	82	27
10 18	5 29.54	+37 3.0	1.252	1.952	26.2	21.2	120 W	82	27
10 23	5 22.70	+37 9.2	1.209	1.968	24.1	21.1	126 W	82	27
10 28	5 14.13	+37 10.0	1.170	1.981	21.7	21.0	132 W	82	27
11 2	5 3.85	+37 3.5	1.135	1.994	19.0	20.8	139 W	82	27
11 7	4 52.00	+36 47.5	1.105	2.005	16.1	20.7	146 W	82	27
11 12	4 38.83	+36 20.0	1.083	2.015	13.0	20.6	153 W	81	28
11 17	4 24.74	+35 39.6	1.067	2.023	9.9	20.4	159 W	81	28
11 22	4 10.23	+34 46.1	1.060	2.030	7.4	20.3	165 W	80	29
11 27	3 55.88	+33 40.5	1.062	2.036	6.3	20.3	167 E	79	30
12 2	3 42.19	+32 25.1	1.073	2.040	7.4	20.3	165 E	77	32
12 7	3 29.58	+31 3.1	1.092	2.043	9.9	20.5	159 E	76	33
12 12	3 18.38	+29 38.1	1.119	2.045	12.8	20.7	153 E	75	34
12 17	3 8.77	+28 13.7	1.154	2.045	15.6	20.8	146 E	73	36
12 22	3 0.84	+26 52.7	1.196	2.044	18.3	21.0	139 E	72	37
12 27	2 54.54	+25 37.3	1.243	2.042	20.7	21.1	133 E	71	38
1 1	2 49.80	+24 29.1	1.295	2.039	22.8	21.3	126 E	69	40
1 6	2 46.49	+23 28.6	1.350	2.034	24.6	21.4	120 E	68	41
	434432 2005 NG_7								
10 8	5 40.45	−10 14.2	0.970	1.584	37.1	21.3	107 W	35	74
10 13	5 46.61	−11 17.3	0.931	1.575	36.7	21.2	109 W	34	75
10 18	5 51.99	−12 21.0	0.894	1.566	36.2	21.1	112 W	33	76
10 23	5 56.53	−13 24.2	0.857	1.557	35.7	21.0	114 W	32	77
10 28	6 0.13	−14 25.7	0.822	1.548	35.0	20.9	117 W	31	78
11 2	6 2.74	−15 24.0	0.788	1.539	34.2	20.7	119 W	30	79
11 7	6 4.26	−16 17.5	0.755	1.531	33.3	20.6	122 W	29	80
11 12	6 4.61	−17 4.2	0.723	1.522	32.4	20.5	125 W	28	81
11 17	6 3.73	−17 41.7	0.694	1.514	31.3	20.3	127 W	27	82
11 22	6 1.60	−18 7.1	0.666	1.505	30.1	20.2	130 W	27	82

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
434432 2005 NG_7 *(continuation)*									
11 27	5 58.26	−18 17.7	0.641	1.497	28.9	20.1	133 W	27	82
12 2	5 53.79	−18 10.7	0.618	1.490	27.7	20.0	135 W	27	82
12 7	5 48.31	−17 43.3	0.597	1.482	26.6	19.8	138 W	27	82
12 12	5 42.02	−16 53.1	0.580	1.475	25.6	19.7	140 W	28	81
12 17	5 35.23	−15 38.5	0.566	1.468	25.0	19.7	141 E	29	80
12 22	5 28.29	−13 58.9	0.556	1.461	24.6	19.6	142 E	31	78
12 27	5 21.56	−11 55.4	0.550	1.455	24.8	19.6	142 E	33	76
1 1	5 15.39	− 9 30.6	0.547	1.449	25.5	19.6	141 E	35	74
1 6	5 10.08	− 6 48.2	0.549	1.443	26.6	19.6	139 E	38	71
1 11	5 5.87	− 3 52.5	0.555	1.438	28.1	19.7	136 E	41	68
1 16	5 2.96	− 0 48.4	0.566	1.433	29.9	19.7	134 E	44	65
363714 2004 VT_{16}									
10 8	5 47.42	+26 10.6	1.226	1.802	31.9	21.5	108 W	71	38
10 18	5 51.29	+25 57.3	1.174	1.850	28.8	21.3	117 W	71	38
10 28	5 50.42	+25 40.1	1.127	1.898	24.8	21.2	127 W	71	38
11 7	5 44.77	+25 18.2	1.092	1.946	19.9	21.0	138 W	70	39
11 17	5 34.77	+24 49.9	1.073	1.994	14.1	20.9	150 W	70	39
11 27	5 21.65	+24 13.9	1.075	2.041	7.8	20.7	164 W	69	40
12 7	5 7.34	+23 31.4	1.103	2.087	1.4	20.4	177 W	69	40
12 12	5 0.38	+23 8.7	1.127	2.110	1.8	20.5	176 E	68	41
12 17	4 53.88	+22 46.1	1.157	2.133	4.8	20.8	170 E	68	41
12 22	4 48.05	+22 24.2	1.195	2.155	7.6	21.0	163 E	67	42
12 27	4 43.03	+22 3.8	1.239	2.177	10.2	21.2	157 E	67	42
1 1	4 38.92	+21 45.5	1.289	2.199	12.6	21.4	151 E	67	42
1 6	4 35.76	+21 29.6	1.344	2.221	14.8	21.6	145 E	66	43
291877 2006 PB_{18}									
10 8	5 54.57	+18 6.0	1.755	2.247	25.3	21.4	106 W	63	46
10 18	5 57.90	+17 49.4	1.669	2.278	23.3	21.3	115 W	63	46
10 28	5 57.84	+17 33.3	1.590	2.309	20.6	21.1	125 W	63	46
11 7	5 54.24	+17 19.0	1.524	2.338	17.2	21.0	136 W	62	47
11 17	5 47.23	+17 7.5	1.474	2.368	13.0	20.8	147 W	62	47
11 27	5 37.38	+16 59.4	1.447	2.396	8.3	20.6	159 W	62	47
12 7	5 25.79	+16 55.2	1.447	2.424	3.7	20.4	171 W	62	47
12 12	5 19.76	+16 54.6	1.457	2.438	2.5	20.3	174 W	62	47
12 17	5 13.82	+16 55.1	1.474	2.452	3.5	20.4	171 E	62	47
12 22	5 8.17	+16 56.9	1.499	2.465	5.6	20.6	166 E	62	47
12 27	5 2.97	+17 0.1	1.531	2.478	7.8	20.7	160 E	62	47
1 1	4 58.35	+17 4.7	1.569	2.491	9.9	20.9	154 E	62	47
1 6	4 54.39	+17 10.7	1.614	2.504	11.9	21.1	148 E	62	47
1 11	4 51.18	+17 18.2	1.664	2.516	13.8	21.2	143 E	62	47
1 16	4 48.76	+17 27.1	1.719	2.529	15.4	21.3	137 E	62	47
302591 2002 QE_7									
10 8	6 21.60	+29 30.2	0.761	1.358	46.4	21.4	100 W	75	34*
10 13	6 29.33	+28 29.2	0.737	1.370	45.1	21.3	103 W	73	36
10 18	6 35.78	+27 23.4	0.714	1.383	43.6	21.3	107 W	72	37
10 23	6 40.87	+26 13.0	0.691	1.396	41.9	21.2	111 W	71	38
10 28	6 44.51	+24 58.4	0.668	1.409	39.8	21.0	115 W	70	39
11 2	6 46.63	+23 39.7	0.645	1.422	37.6	20.9	119 W	69	40
11 7	6 47.15	+22 17.3	0.624	1.435	35.0	20.8	124 W	67	42
11 12	6 46.00	+20 51.4	0.604	1.448	32.1	20.7	129 W	66	43
11 17	6 43.13	+19 22.5	0.587	1.461	28.9	20.5	135 W	64	45
11 22	6 38.61	+17 51.4	0.572	1.474	25.3	20.4	140 W	63	46
11 27	6 32.55	+16 19.3	0.561	1.487	21.5	20.3	146 W	61	48
12 2	6 25.17	+14 47.7	0.554	1.500	17.6	20.1	153 W	60	49
12 7	6 16.76	+13 18.7	0.552	1.512	13.8	20.0	159 W	58	51
12 12	6 7.68	+11 54.5	0.554	1.524	10.5	19.9	164 W	57	52
12 17	5 58.38	+10 37.5	0.562	1.536	8.6	19.9	166 W	56	53
12 22	5 49.33	+ 9 29.9	0.576	1.548	9.0	20.0	166 E	54	55
12 27	5 40.95	+ 8 33.1	0.594	1.560	11.2	20.1	162 E	54	55
1 1	5 33.54	+ 7 47.8	0.618	1.571	14.2	20.3	157 E	53	56
1 6	5 27.34	+ 7 13.9	0.647	1.582	17.3	20.6	151 E	52	57
1 11	5 22.47	+ 6 51.0	0.680	1.593	20.3	20.8	146 E	52	57
1 16	5 19.00	+ 6 37.9	0.716	1.603	23.0	21.0	141 E	52	57
181704 1989 NA									
10 8	6 22.35	+17 52.6	2.830	3.153	18.2	21.5	100 W	63	46*
10 18	6 23.76	+17 57.9	2.722	3.189	17.2	21.4	109 W	63	46
10 28	6 22.78	+18 6.3	2.620	3.224	15.6	21.3	119 W	63	46
11 7	6 19.33	+18 18.3	2.531	3.258	13.5	21.2	130 W	63	46
11 17	6 13.45	+18 34.0	2.460	3.291	10.8	21.0	141 W	64	45
11 27	6 5.42	+18 52.9	2.412	3.323	7.7	20.9	153 W	64	45
12 7	5 55.81	+19 13.9	2.391	3.354	4.2	20.7	165 W	64	45
12 17	5 45.39	+19 35.8	2.401	3.384	1.2	20.5	176 W	65	44
12 27	5 35.07	+19 57.9	2.444	3.413	3.4	20.7	168 E	65	44
1 6	5 25.74	+20 19.6	2.518	3.441	6.6	21.0	156 E	65	44
1 16	5 18.10	+20 41.1	2.621	3.468	9.5	21.2	144 E	66	43

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
251568 2009 EL_{15}									
10 8	6 24.01	+26 21.0	1.768	2.169	27.0	21.4	99 W	71	38*
10 18	6 30.13	+26 36.4	1.681	2.204	25.5	21.3	108 W	72	37
10 28	6 32.80	+26 54.7	1.599	2.237	23.2	21.2	117 W	72	37
11 7	6 31.69	+27 16.1	1.525	2.270	20.2	21.0	128 W	72	37
11 17	6 26.60	+27 39.0	1.465	2.302	16.5	20.8	139 W	73	36
11 27	6 17.75	+28 0.4	1.423	2.334	12.0	20.6	151 W	73	36
12 7	6 5.97	+28 15.9	1.405	2.365	7.0	20.4	163 W	73	36
12 12	5 59.37	+28 20.3	1.406	2.380	4.5	20.3	169 W	73	36
12 17	5 52.59	+28 21.8	1.414	2.395	2.4	20.2	174 W	73	36
12 22	5 45.84	+28 20.7	1.429	2.409	2.5	20.3	174 E	73	36
12 27	5 39.36	+28 17.0	1.451	2.424	4.5	20.4	169 E	73	36
1 1	5 33.34	+28 11.0	1.481	2.438	6.8	20.6	163 E	73	36
1 6	5 27.94	+28 3.4	1.517	2.452	9.1	20.8	157 E	73	36
1 11	5 23.29	+27 54.6	1.560	2.466	11.2	20.9	151 E	73	36
1 16	5 19.47	+27 45.1	1.609	2.479	13.2	21.1	145 E	73	36
141535 2002 GG_5									
10 8	6 25.47	+20 50.5	2.379	2.719	21.3	21.5	99 W	66	43*
10 18	6 29.25	+20 37.2	2.260	2.736	20.3	21.4	108 W	66	43
10 28	6 30.36	+20 25.1	2.146	2.751	18.7	21.2	118 W	65	44
11 7	6 28.58	+20 15.0	2.043	2.766	16.4	21.0	128 W	65	44
11 17	6 23.83	+20 7.2	1.955	2.779	13.5	20.9	139 W	65	44
11 27	6 16.25	+20 1.5	1.888	2.792	9.9	20.7	151 W	65	44
12 7	6 6.41	+19 57.4	1.846	2.803	5.8	20.4	163 W	65	44
12 12	6 0.89	+19 55.6	1.835	2.809	3.7	20.3	169 W	65	44
12 17	5 55.16	+19 54.0	1.832	2.814	1.8	20.2	175 W	65	44
12 22	5 49.38	+19 52.6	1.837	2.819	1.6	20.2	175 E	65	44
12 27	5 43.70	+19 51.4	1.850	2.823	3.4	20.3	170 E	65	44
1 1	5 38.28	+19 50.4	1.870	2.828	5.5	20.5	164 E	65	44
1 6	5 33.25	+19 49.7	1.897	2.832	7.5	20.6	158 E	65	44
1 11	5 28.71	+19 49.6	1.931	2.836	9.4	20.7	152 E	65	44
1 16	5 24.76	+19 50.1	1.972	2.840	11.2	20.8	146 E	65	44
438902 2009 WF_{104}									
10 8	6 35.70	+19 3.2	1.772	2.129	27.8	21.4	96 W	64	45*
10 18	6 50.18	+19 35.6	1.578	2.047	28.3	21.1	103 W	65	44*
10 28	7 4.28	+20 18.3	1.391	1.963	28.5	20.7	110 W	65	44
11 7	7 17.93	+21 17.8	1.211	1.878	28.1	20.3	117 W	66	43
11 12	7 24.56	+21 56.6	1.125	1.835	27.8	20.1	120 W	67	42
11 17	7 31.04	+22 43.3	1.042	1.792	27.3	19.9	124 W	68	41
11 22	7 37.36	+23 39.5	0.962	1.750	26.6	19.6	128 W	69	40
11 27	7 43.54	+24 47.2	0.885	1.707	25.7	19.4	131 W	70	39
12 2	7 49.59	+26 8.8	0.812	1.664	24.6	19.1	135 W	71	38
12 7	7 55.51	+27 46.8	0.743	1.622	23.5	18.8	139 W	73	36
12 12	8 1.33	+29 44.3	0.678	1.579	22.1	18.5	143 W	75	34
12 17	8 7.09	+32 4.4	0.618	1.537	20.8	18.2	146 W	77	32
12 22	8 12.89	+34 50.4	0.563	1.495	19.6	17.9	149 W	80	29
12 27	8 18.88	+38 5.0	0.513	1.454	18.9	17.6	151 W	83	26
1 1	8 25.30	+41 50.5	0.468	1.414	19.1	17.4	152 W	87	22
1 6	8 32.48	+46 7.4	0.430	1.374	20.4	17.2	151 W	89	18
1 8	8 35.68	+47 58.6	0.416	1.359	21.3	17.1	150 W	87	16
1 10	8 39.14	+49 54.3	0.403	1.344	22.5	17.0	149 W	85	14
1 12	8 42.91	+51 54.1	0.391	1.328	23.8	17.0	147 W	83	12
1 14	8 47.09	+53 57.5	0.380	1.313	25.3	17.0	145 W	81	10
1 16	8 51.75	+56 3.9	0.370	1.299	27.0	16.9	143 W	79	8
141756 2002 LP_{58}									
10 8	6 52.43	+21 25.5	2.514	2.749	21.3	21.4	93 W	66*	42*
10 18	6 57.86	+21 25.7	2.392	2.766	20.7	21.3	101 W	66	42*
10 28	7 0.86	+21 29.7	2.272	2.782	19.5	21.2	111 W	66	43
11 7	7 1.17	+21 38.9	2.160	2.797	17.8	21.0	121 W	67	42
11 17	6 58.57	+21 53.7	2.060	2.812	15.3	20.9	131 W	67	42
11 27	6 53.00	+22 13.7	1.976	2.825	12.2	20.7	143 W	67	42
12 7	6 44.72	+22 37.4	1.915	2.837	8.5	20.5	155 W	68	41
12 12	6 39.74	+22 49.9	1.894	2.843	6.5	20.4	161 W	68	41
12 17	6 34.32	+23 2.3	1.881	2.849	4.3	20.2	167 W	68	41
12 22	6 28.62	+23 14.4	1.874	2.854	2.2	20.1	174 W	68	41
12 27	6 22.79	+23 25.8	1.876	2.859	0.1	19.9	180 E	68	41
1 1	6 16.98	+23 36.2	1.885	2.864	2.3	20.1	173 E	69	40
1 6	6 11.35	+23 45.7	1.902	2.869	4.4	20.3	167 E	69	40
1 11	6 6.03	+23 54.1	1.927	2.873	6.5	20.4	161 E	69	40
1 16	6 1.17	+24 1.5	1.958	2.877	8.5	20.5	154 E	69	40
195807 2002 QF_{17}									
10 8	7 1.24	+23 23.4	1.168	1.548	40.2	21.5	91 W	68*	39*
10 18	7 18.18	+23 37.0	1.119	1.585	38.6	21.4	97 W	69	40*
10 28	7 31.58	+23 55.2	1.068	1.624	36.4	21.3	104 W	69	40*
11 7	7 40.93	+24 22.8	1.019	1.665	33.5	21.1	112 W	69	40

195807 2002 QF_{17} *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
11 17	7 45.64	+25 3.2	0.972	1.706	29.8	21.0	121 W	70	39
11 27	7 45.19	+25 57.7	0.933	1.749	25.1	20.8	131 W	71	38
12 7	7 39.45	+27 3.3	0.906	1.791	19.5	20.6	143 W	72	37
12 17	7 28.85	+28 12.3	0.895	1.834	13.2	20.4	155 W	73	36
12 22	7 22.15	+28 44.7	0.897	1.856	9.9	20.3	161 W	74	35
12 27	7 14.87	+29 13.6	0.906	1.877	6.7	20.3	167 W	74	35
1 1	7 7.34	+29 38.1	0.920	1.898	4.2	20.2	172 W	75	34
1 6	6 59.87	+29 57.5	0.941	1.920	3.9	20.2	172 E	75	34
1 11	6 52.77	+30 11.3	0.968	1.941	5.9	20.4	168 E	75	34
1 16	6 46.34	+30 19.9	1.001	1.962	8.6	20.7	163 E	75	34

185978 2001 MO_9

10 8	7 2.66	+17 1.7	2.699	2.876	20.3	21.5	90 W	62*	46*
10 18	7 7.93	+16 32.5	2.576	2.894	19.9	21.4	98 W	62	47*
10 28	7 10.97	+16 5.3	2.455	2.912	19.0	21.2	108 W	61	48
11 7	7 11.56	+15 41.5	2.340	2.929	17.5	21.1	117 W	61	48
11 17	7 9.51	+15 22.5	2.236	2.945	15.4	20.9	128 W	60	49
11 27	7 4.80	+15 9.6	2.147	2.960	12.7	20.8	139 W	60	49
12 7	6 57.62	+15 3.2	2.079	2.974	9.5	20.6	150 W	60	49
12 17	6 48.45	+15 3.4	2.037	2.987	5.9	20.4	162 W	60	49
12 27	6 38.07	+15 9.9	2.024	3.000	2.9	20.2	171 W	60	49
1 6	6 27.52	+15 21.6	2.042	3.011	3.9	20.3	168 E	60	49
1 16	6 17.80	+15 37.4	2.090	3.021	7.2	20.5	157 E	61	48

484402 2007 XH_{16}

10 8	7 11.39	− 9 58.5	0.742	1.191	56.7	21.4	85 W	35*	69*
10 13	7 27.48	− 9 32.9	0.704	1.172	58.0	21.3	85 W	35*	69*
10 18	7 44.40	− 8 59.5	0.665	1.153	59.5	21.2	85 W	36*	68*
10 23	8 2.33	− 8 16.5	0.627	1.134	61.0	21.0	86 W	37*	67*
10 28	8 21.54	− 7 21.8	0.590	1.115	62.6	20.9	86 W	38	66*
11 2	8 42.31	− 6 13.4	0.554	1.096	64.4	20.8	85 W	39	64*
11 7	9 4.94	− 4 49.2	0.520	1.077	66.4	20.7	85 W	40	62*
11 12	9 29.75	− 3 7.4	0.489	1.059	68.5	20.6	84 W	42	59*
11 17	9 57.00	− 1 7.0	0.461	1.040	70.7	20.5	83 W	44	56*
11 22	10 26.83	+ 1 11.3	0.438	1.023	73.0	20.4	82 W	46	53*
11 27	10 59.24	+ 3 43.8	0.421	1.006	75.3	20.4	80 W	49	48*
12 2	11 33.87	+ 6 23.0	0.410	0.989	77.5	20.3	79 W	51*	44*
12 7	12 10.03	+ 8 58.6	0.407	0.974	79.5	20.4	77 W	54*	39*
12 9	12 24.70	+ 9 57.3	0.408	0.969	80.2	20.4	76 W	55*	37*
12 11	12 39.38	+10 52.9	0.410	0.963	80.8	20.4	75 W	55*	36*
12 13	12 54.00	+11 44.9	0.413	0.958	81.4	20.4	74 W	56*	34*
12 15	13 8.48	+12 32.9	0.417	0.953	81.8	20.5	73 W	57*	32*
12 17	13 22.76	+13 16.4	0.423	0.948	82.2	20.5	73 W	57*	31*
12 22	13 57.20	+14 44.7	0.441	0.937	82.8	20.6	71 W	58*	27*
12 27	14 29.37	+15 43.5	0.465	0.927	82.8	20.7	69 W	58*	25*
1 1	14 58.93	+16 15.4	0.493	0.919	82.3	20.8	68 W	58*	24*
1 6	15 25.89	+16 24.7	0.523	0.914	81.5	20.8	67 W	57*	23*
1 11	15 50.40	+16 16.0	0.556	0.910	80.3	20.9	66 W	56*	23*
1 16	16 12.74	+15 53.4	0.589	0.908	79.0	21.0	65 W	55*	23*

179879 2002 UB

10 8	7 26.21	+ 4 29.9	1.727	1.882	31.8	21.4	83 W	48*	55*
10 18	7 40.07	+ 1 36.8	1.622	1.877	32.0	21.3	88 W	47*	59*
10 28	7 52.00	− 1 30.8	1.519	1.872	32.0	21.1	94 W	43	64*
11 7	8 1.70	− 4 50.8	1.419	1.866	31.5	21.0	100 W	40	69*
11 17	8 8.74	− 8 20.4	1.324	1.859	30.7	20.8	106 W	37	72
11 27	8 12.64	−11 54.3	1.236	1.851	29.6	20.6	112 W	33	76
12 7	8 12.97	−15 24.6	1.156	1.842	28.1	20.4	118 W	30	79
12 12	8 11.66	−17 5.2	1.121	1.837	27.2	20.3	121 W	28	81
12 17	8 9.32	−18 40.4	1.088	1.832	26.4	20.2	124 W	26	83
12 22	8 5.97	−20 8.2	1.059	1.827	25.5	20.1	127 W	25	84
12 27	8 1.66	−21 26.5	1.033	1.822	24.7	20.0	129 W	24	85
1 1	7 56.47	−22 33.2	1.011	1.817	24.0	19.9	131 W	22	87
1 6	7 50.53	−23 26.6	0.992	1.811	23.5	19.9	133 W	22	87
1 11	7 44.03	−24 4.7	0.978	1.805	23.1	19.8	134 W	21	88
1 16	7 37.21	−24 26.2	0.967	1.799	23.0	19.8	134 E	21	88

306811 2001 QV_{147}

10 8	7 43.07	+14 24.2	3.574	3.538	16.1	21.5	80 W	57*	44*
10 18	7 48.11	+14 9.9	3.445	3.560	16.2	21.4	88 W	59*	47*
10 28	7 51.48	+13 59.4	3.314	3.582	16.0	21.3	98 W	59	49*
11 7	7 53.02	+13 54.4	3.185	3.602	15.2	21.2	107 W	59	50*
11 17	7 52.58	+13 56.1	3.062	3.622	14.1	21.1	117 W	59	50
11 27	7 50.06	+14 5.5	2.952	3.641	12.4	21.0	128 W	59	50
12 7	7 45.49	+14 23.1	2.859	3.659	10.2	20.9	139 W	59	50
12 17	7 39.04	+14 48.7	2.788	3.676	7.6	20.7	150 W	60	49
12 27	7 31.11	+15 21.3	2.744	3.693	4.7	20.5	162 W	60	49
1 6	7 22.28	+15 59.0	2.731	3.708	2.0	20.4	173 W	61	48
1 16	7 13.24	+16 39.5	2.750	3.723	2.6	20.4	170 E	62	47

417949 2007 TB_{23}

10 8	7 48.93	+44 30.2	1.140	1.444	43.6	21.5	85 W	79*	16*
10 13	8 9.06	+46 32.8	1.099	1.434	44.0	21.4	86 W	80*	14*
10 18	8 30.87	+48 34.3	1.060	1.424	44.3	21.3	88 W	80*	12*
10 23	8 54.55	+50 32.3	1.023	1.414	44.7	21.2	89 W	80*	9*
10 28	9 20.28	+52 23.9	0.990	1.403	45.1	21.1	90 W	79*	7*
11 2	9 48.18	+54 5.7	0.961	1.391	45.5	21.1	91 W	77*	5*
11 7	10 18.21	+55 34.0	0.935	1.379	45.9	21.0	91 W	76*	2*
11 12	10 50.13	+56 45.1	0.912	1.367	46.4	20.9	92 W	75*	—
11 17	11 23.48	+57 36.1	0.893	1.354	46.9	20.9	92 W	73*	—
11 22	11 57.54	+58 4.8	0.876	1.341	47.4	20.8	92 W	72*	—
11 27	12 31.48	+58 10.6	0.863	1.327	48.0	20.8	91 W	71*	—
12 2	13 4.47	+57 54.6	0.852	1.313	48.7	20.8	91 W	71*	—
12 7	13 35.82	+57 19.4	0.844	1.298	49.4	20.7	90 W	70*	—
12 12	14 5.02	+56 28.6	0.837	1.284	50.1	20.7	89 W	70*	—
12 17	14 31.84	+55 25.8	0.831	1.269	50.8	20.7	88 W	70*	—
12 22	14 56.21	+54 14.7	0.825	1.254	51.6	20.7	87 W	70*	—
12 27	15 18.24	+52 58.1	0.820	1.238	52.4	20.7	86 W	70*	—
1 1	15 38.12	+51 38.3	0.814	1.223	53.2	20.6	85 W	71*	—
1 6	15 56.07	+50 17.2	0.807	1.207	54.1	20.6	84 W	71*	—
1 11	16 12.31	+48 56.1	0.799	1.192	55.0	20.6	83 W	71*	—
1 16	16 27.05	+47 35.6	0.788	1.177	56.0	20.6	82 W	72*	—

164207 2004 GU_9

10 8	8 22.48	+11 50.3	0.264	0.942	94.8	21.5	70 W	51*	41*
10 13	8 35.02	+15 47.6	0.267	0.953	91.8	21.4	73 W	56*	38*
10 18	8 48.68	+19 34.1	0.269	0.965	88.8	21.3	76 W	60*	36*
10 23	9 3.30	+23 9.5	0.272	0.977	85.9	21.2	78 W	65*	33*
10 28	9 18.75	+26 33.8	0.275	0.989	83.1	21.2	81 W	69*	30*
11 2	9 34.92	+29 47.1	0.277	1.000	80.4	21.1	84 W	73*	27*
11 7	9 51.70	+32 49.9	0.280	1.012	77.7	21.1	86 W	76*	24*
11 12	10 8.94	+35 43.3	0.282	1.023	75.2	21.0	89 W	80*	22*
11 17	10 26.46	+38 28.4	0.284	1.034	72.9	21.0	91 W	83*	19*
11 22	10 44.11	+41 6.2	0.286	1.045	70.6	21.0	94 W	86*	17*
11 27	11 1.78	+43 37.6	0.287	1.056	68.4	20.9	96 W	89	15*
12 2	11 19.34	+46 3.8	0.289	1.066	66.3	20.9	98 W	89	13*
12 7	11 36.67	+48 26.0	0.290	1.075	64.4	20.8	100 W	87	11*
12 12	11 53.57	+50 45.8	0.291	1.084	62.6	20.8	102 W	84	9*
12 17	12 9.83	+53 4.6	0.291	1.092	60.9	20.8	104 W	82	7*
12 22	12 25.24	+55 22.9	0.292	1.100	59.4	20.8	106 W	80	6*
12 27	12 39.59	+57 41.5	0.292	1.107	57.9	20.7	107 W	77	4*
1 1	12 52.62	+60 1.1	0.293	1.113	56.7	20.7	109 W	75	2*
1 6	13 3.99	+62 22.4	0.293	1.119	55.5	20.7	110 W	73	—
1 11	13 13.14	+64 45.8	0.293	1.124	54.6	20.7	111 W	70	—
1 16	13 19.31	+67 10.8	0.293	1.128	53.8	20.7	112 W	68	—

138971 2001 CB_{21}

10 8	8 46.31	+26 4.6	1.393	1.379	42.2	21.5	68 W	59*	27*
10 18	9 12.93	+24 45.4	1.312	1.378	43.4	21.4	72 W	62*	28*
10 28	9 39.12	+23 14.0	1.226	1.371	44.5	21.2	75 W	64*	30*
11 7	10 5.07	+21 30.6	1.135	1.360	45.7	21.1	79 W	65*	32*
11 17	10 30.96	+19 35.4	1.041	1.343	46.9	20.9	83 W	64*	35*
11 27	10 57.05	+17 27.6	0.946	1.321	48.2	20.7	86 W	62	38*
12 7	11 23.77	+15 4.6	0.849	1.293	49.6	20.5	89 W	60	42*
12 12	11 37.53	+13 46.4	0.801	1.278	50.4	20.3	91 W	59	44*
12 17	11 51.66	+12 22.7	0.754	1.261	51.2	20.2	92 W	57	46*
12 22	12 6.28	+10 52.6	0.707	1.243	52.2	20.0	93 W	56	48*
12 27	12 21.54	+ 9 14.9	0.661	1.224	53.3	19.9	94 W	54	50*
1 1	12 37.60	+ 7 28.1	0.617	1.203	54.5	19.7	95 W	52	52*
1 6	12 54.71	+ 5 30.3	0.574	1.181	56.0	19.6	95 W	51	55*
1 11	13 13.11	+ 3 19.7	0.532	1.159	57.7	19.4	95 W	48	57*
1 16	13 33.13	+ 0 53.9	0.493	1.134	59.8	19.3	95 W	46	60*

162004 1991 VE

10 8	8 53.06	+20 48.3	1.488	1.399	40.4	21.4	65 W	54*	30*
10 13	9 6.43	+20 11.4	1.422	1.378	41.7	21.3	67 W	56*	30*
10 18	9 20.28	+19 30.1	1.354	1.354	43.2	21.2	68 W	57*	31*
10 23	9 34.72	+18 43.9	1.285	1.328	44.7	21.1	70 W	57*	32*
10 28	9 49.87	+17 51.7	1.216	1.299	46.4	21.0	71 W	58*	32*
11 2	10 5.92	+16 52.6	1.147	1.268	48.2	20.8	72 W	58*	33*
11 7	10 23.05	+15 45.1	1.079	1.234	50.2	20.7	73 W	58*	34*
11 12	10 41.52	+14 27.3	1.012	1.196	52.5	20.5	73 W	57*	34*
11 17	11 1.60	+12 57.0	0.946	1.156	55.0	20.4	73 W	56*	35*
11 22	11 23.64	+11 11.3	0.884	1.113	57.9	20.3	73 W	55*	36*
11 27	11 48.01	+ 9 6.9	0.826	1.066	61.3	20.1	71 W	53*	36*
12 2	12 15.14	+ 6 40.3	0.773	1.016	65.2	20.0	69 W	50*	36*
12 7	12 45.40	+ 3 49.0	0.729	0.962	69.7	19.9	66 W	47*	36*
12 12	13 19.01	+ 0 32.5	0.695	0.905	74.7	19.8	62 W	44*	35*
12 17	13 55.96	− 3 5.3	0.674	0.843	80.0	19.8	58 W	39*	34*
12 19	14 11.59	− 4 36.4	0.670	0.817	82.2	19.8	55 W	37*	33*
12 21	14 27.65	− 6 8.5	0.669	0.791	84.3	19.8	53 W	35*	32*

162004 1991 *VE* *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 23	14 44.07	− 7 40.7	0.671	0.763	86.4	19.8	51 W	33*	31*
12 25	15 0.80	− 9 11.9	0.675	0.736	88.3	19.8	48 W	31*	30*
12 27	15 17.77	−10 41.1	0.683	0.707	90.1	19.8	46 W	29*	29*
12 29	15 34.90	−12 7.3	0.694	0.678	91.6	19.8	44 W	27*	27*
12 31	15 52.14	−13 29.5	0.708	0.647	92.9	19.8	41 W	25*	26*
1 2	16 9.42	−14 46.9	0.726	0.617	93.8	19.8	39 W	22*	25*
1 4	16 26.70	−15 59.1	0.747	0.585	94.3	19.8	36 W	20*	23*
1 6	16 43.94	−17 5.5	0.772	0.554	94.3	19.7	34 W	18*	22*
1 8	17 1.16	−18 5.7	0.800	0.521	93.7	19.6	32 W	16*	21*
1 10	17 18.36	−18 59.6	0.832	0.489	92.5	19.5	30 W	14*	19*
1 12	17 35.58	−19 46.9	0.867	0.457	90.4	19.4	28 W	13*	18*
1 14	17 52.91	−20 27.5	0.906	0.425	87.4	19.2	26 W	11*	17*
1 16	18 10.44	−21 1.1	0.948	0.394	83.3	19.0	23 W	9*	15*

138175 2000 EE_{104}

10 8	9 8.95	+18 4.7	0.288	0.894	103.1	21.1	61 W	50*	29*
10 13	9 7.78	+19 51.4	0.296	0.920	96.5	20.9	66 W	55*	30*
10 18	9 8.09	+21 26.9	0.301	0.946	90.6	20.8	72 W	60*	31*
10 23	9 9.28	+22 55.3	0.305	0.972	85.3	20.7	77 W	64*	32*
10 28	9 10.86	+24 20.3	0.306	0.998	80.3	20.5	82 W	68*	33*
11 2	9 12.43	+25 45.2	0.306	1.023	75.6	20.4	87 W	70*	33*
11 7	9 13.55	+27 13.1	0.303	1.047	71.0	20.3	92 W	72	33*
11 12	9 13.78	+28 46.8	0.299	1.071	66.4	20.2	97 W	74	33*
11 17	9 12.64	+30 28.8	0.294	1.093	61.8	20.0	103 W	75	32*
11 22	9 9.63	+32 20.8	0.287	1.115	56.9	19.9	109 W	77	31*
11 27	9 4.23	+34 23.0	0.280	1.135	51.8	19.7	115 W	79	30*
12 2	8 55.90	+36 34.3	0.274	1.155	46.4	19.6	122 W	82	27
12 7	8 44.03	+38 50.9	0.268	1.173	40.7	19.4	129 W	84	25
12 12	8 28.13	+41 5.7	0.264	1.190	34.8	19.2	136 W	86	23
12 17	8 8.08	+43 7.8	0.263	1.206	29.0	19.1	144 W	88	21
12 19	7 59.01	+43 50.2	0.263	1.212	26.8	19.0	146 W	89	20
12 21	7 49.44	+44 27.6	0.264	1.218	24.7	19.0	149 W	89	20
12 23	7 39.46	+44 59.5	0.266	1.223	22.8	18.9	151 W	90	19
12 25	7 29.20	+45 25.3	0.268	1.229	21.1	18.9	153 W	90	19
12 27	7 18.78	+45 44.5	0.271	1.234	19.7	18.9	155 W	89	18
12 29	7 8.35	+45 57.0	0.274	1.239	18.7	18.9	156 W	89	18
12 31	6 58.04	+46 2.9	0.278	1.244	18.1	18.9	157 W	89	18
1 2	6 47.99	+46 2.4	0.283	1.248	18.0	19.0	157 E	89	18
1 4	6 38.31	+45 55.9	0.288	1.253	18.3	19.0	156 E	89	18
1 6	6 29.11	+45 43.9	0.294	1.257	18.9	19.1	156 E	89	18
1 8	6 20.48	+45 27.0	0.301	1.261	19.9	19.2	154 E	90	19
1 10	6 12.47	+45 6.0	0.308	1.265	21.0	19.3	153 E	90	19
1 12	6 5.14	+44 41.5	0.316	1.268	22.3	19.4	151 E	90	19
1 14	5 58.50	+44 14.4	0.324	1.272	23.7	19.5	149 E	89	20
1 16	5 52.56	+43 45.1	0.333	1.275	25.2	19.6	147 E	89	20

168318 1989 *DA*

10 8	9 13.84	+22 29.4	1.172	1.112	51.8	21.4	61 W	52*	25*
10 13	9 38.01	+20 30.8	1.157	1.085	52.7	21.3	60 W	51*	25*
10 18	10 1.76	+18 18.8	1.147	1.061	53.5	21.3	59 W	50*	25*
10 23	10 24.97	+15 55.6	1.142	1.040	54.0	21.2	58 W	48*	25*
10 28	10 47.57	+13 23.8	1.142	1.022	54.3	21.2	57 W	47*	25*
11 2	11 9.53	+10 45.8	1.146	1.008	54.4	21.2	56 W	45*	26*
11 7	11 30.83	+ 8 4.2	1.154	0.997	54.3	21.2	55 W	44*	26*
11 12	11 51.48	+ 5 21.4	1.165	0.990	54.0	21.2	54 W	42*	27*
11 17	12 11.51	+ 2 39.7	1.179	0.987	53.4	21.2	53 W	40*	28*
11 22	12 30.95	+ 0 0.9	1.195	0.989	52.8	21.2	53 W	39*	29*
11 27	12 49.82	− 2 33.4	1.213	0.994	52.0	21.2	53 W	37*	30*
12 2	13 8.17	− 5 1.9	1.232	1.003	51.1	21.3	52 W	35*	31*
12 7	13 26.05	− 7 23.6	1.252	1.017	50.2	21.3	52 W	34*	33*
12 12	13 43.45	− 9 37.9	1.271	1.033	49.3	21.3	53 W	32*	35*
12 17	14 0.41	−11 44.1	1.291	1.053	48.3	21.4	53 W	31*	36*
12 22	14 16.93	−13 42.0	1.309	1.076	47.5	21.4	54 W	29*	38*
12 27	14 33.01	−15 31.6	1.327	1.102	46.6	21.5	55 W	28*	41*

162117 1998 SD_{15}

10 8	9 45.96	− 6 55.1	1.358	0.994	47.2	21.4	47 W	24*	37*
10 13	10 7.49	− 8 24.0	1.340	0.965	48.0	21.4	46 W	23*	36*
10 18	10 29.83	− 9 50.7	1.324	0.935	48.7	21.3	45 W	23*	35*
10 23	10 53.04	−11 13.7	1.311	0.904	49.3	21.2	44 W	22*	33*
10 28	11 17.18	−12 31.4	1.301	0.872	49.7	21.1	42 W	21*	32*
11 2	11 42.31	−13 42.3	1.295	0.840	50.0	21.0	40 W	20*	30*
11 7	12 8.47	−14 44.8	1.291	0.807	50.1	21.0	39 W	19*	29*
11 12	12 35.67	−15 37.5	1.291	0.775	49.9	20.9	37 W	18*	27*
11 17	13 3.90	−16 19.1	1.295	0.743	49.4	20.8	35 W	17*	24*
11 22	13 33.11	−16 48.5	1.302	0.713	48.5	20.7	33 W	17*	22*
11 27	14 3.22	−17 5.1	1.314	0.684	47.2	20.6	31 W	16*	20*
12 2	14 34.11	−17 8.8	1.330	0.660	45.4	20.4	28 W	15*	17*
12 7	15 5.64	−17 0.2	1.350	0.639	43.1	20.3	26 W	14*	14*
12 12	15 37.60	−16 40.3	1.373	0.623	40.3	20.3	24 W	14*	12*
12 17	16 9.75	−16 10.4	1.400	0.614	37.3	20.2	22 W	13*	9*

162117 1998 SD_{15} *(continuation)*

12 22	16 41.84	−15 32.2	1.429	0.611	34.0	20.1	20 W	12*	7*
12 27	17 13.58	−14 47.3	1.461	0.615	30.6	20.1	19 W	11*	4*
1 1	17 44.73	−13 57.5	1.495	0.625	27.4	20.1	17 W	10*	2*
1 6	18 15.06	−13 3.9	1.531	0.642	24.4	20.1	16 W	9*	—
1 11	18 44.40	−12 7.7	1.568	0.663	21.8	20.1	14 W	8*	—
1 16	19 12.63	−11 9.6	1.606	0.689	19.4	20.2	13 W	7*	—

232382 2003 BT_{47}

10 8	10 25.12	+13 48.5	2.496	1.877	20.9	21.5	42 W	34*	18*
10 18	10 48.14	+11 18.9	2.362	1.814	23.2	21.4	46 W	37*	20*
10 28	11 11.78	+ 8 35.9	2.228	1.750	25.5	21.2	49 W	39*	23*
11 7	11 36.20	+ 5 39.4	2.096	1.687	27.8	21.1	53 W	41*	26*
11 17	12 1.61	+ 2 29.4	1.966	1.624	30.1	20.9	55 W	41*	30*
11 27	12 28.22	− 0 53.7	1.840	1.563	32.4	20.8	58 W	40*	34*
12 7	12 56.33	− 4 28.7	1.722	1.503	34.7	20.6	60 W	39*	38*
12 17	13 26.26	− 8 13.6	1.612	1.445	37.0	20.4	62 W	36*	42*
12 22	13 42.01	−10 8.6	1.561	1.417	38.2	20.4	63 W	34*	45*
12 27	13 58.35	−12 4.3	1.512	1.391	39.3	20.3	64 W	32*	47*
1 1	14 15.31	−14 0.1	1.467	1.365	40.4	20.2	64 W	31*	49*
1 6	14 32.95	−15 54.8	1.425	1.341	41.5	20.1	65 W	29*	51*
1 11	14 51.29	−17 47.4	1.386	1.318	42.6	20.1	65 W	27*	53*
1 16	15 10.34	−19 36.5	1.350	1.296	43.6	20.0	65 W	25*	55*

488789 2004 XK_{50}

10 8	10 30.65	+13 12.7	1.246	0.812	53.1	21.3	41 W	33*	17*
10 13	11 4.81	+12 25.8	1.214	0.744	55.2	21.1	38 W	31*	13*
10 18	11 41.21	+11 9.9	1.196	0.677	56.4	20.9	34 W	28*	9*
10 23	12 19.27	+ 9 19.7	1.195	0.612	56.3	20.7	31 W	25*	5*
10 28	12 58.21	+ 6 51.4	1.210	0.552	54.1	20.4	27 W	21*	1*
11 2	13 37.20	+ 3 43.7	1.243	0.501	49.4	20.1	23 W	16*	—
11 7	14 15.48	− 0 1.0	1.288	0.466	41.8	19.8	18 W	11*	—
11 9	14 30.45	− 1 39.7	1.310	0.457	38.1	19.7	17 W	9*	—
11 11	14 45.17	− 3 22.2	1.332	0.453	34.1	19.6	15 W	8*	—
11 13	14 59.61	− 5 7.5	1.354	0.452	30.1	19.5	13 W	6*	—
11 15	15 13.77	− 6 54.5	1.377	0.455	26.1	19.5	12 W	4*	—
11 17	15 27.62	− 8 42.0	1.400	0.463	22.4	19.4	10 W	2*	—
11 19	15 41.16	−10 28.7	1.424	0.473	19.0	19.4	9 E	1*	—
11 21	15 54.40	−12 13.6	1.447	0.487	16.2	19.4	8 E	1*	—
11 23	16 7.36	−13 55.8	1.469	0.504	13.9	19.4	7 E	1*	—
11 25	16 20.03	−15 34.3	1.492	0.523	12.3	19.5	7 E	—	—
11 27	16 32.45	−17 8.8	1.515	0.545	11.4	19.6	6 E	—	—
12 2	17 2.47	−20 44.4	1.571	0.604	11.3	19.9	7 E	—	—
12 7	17 31.20	−23 48.6	1.628	0.669	12.4	20.2	8 E	—	2*
12 12	17 58.80	−26 21.4	1.685	0.736	13.5	20.5	10 E	—	4*
12 17	18 25.34	−28 24.6	1.743	0.803	14.2	20.8	12 E	—	6*
12 22	18 50.86	−30 1.0	1.802	0.871	14.6	21.1	13 E	—	7*
12 27	19 15.35	−31 13.5	1.861	0.937	14.7	21.3	14 E	—	8*

154658 2004 FA_{18}

10 8	10 43.17	+14 4.9	0.492	0.685	115.3	21.4	38 W	31*	14*
10 10	10 44.48	+15 44.7	0.506	0.698	111.0	21.3	41 W	34*	14*
10 12	10 46.32	+17 13.7	0.521	0.713	106.9	21.1	43 W	36*	14*
10 14	10 48.63	+18 32.9	0.537	0.728	103.1	21.0	45 W	39*	14*
10 16	10 51.34	+19 43.1	0.552	0.743	99.6	21.0	47 W	41*	14*
10 18	10 54.39	+20 45.2	0.567	0.759	96.4	20.9	49 W	43*	14*
10 20	10 57.71	+21 40.2	0.581	0.775	93.4	20.9	51 W	45*	14*
10 22	11 1.27	+22 28.9	0.596	0.791	90.6	20.9	53 W	46*	14*
10 24	11 5.01	+23 11.9	0.609	0.807	88.0	20.9	54 W	48*	14*
10 26	11 8.90	+23 50.1	0.623	0.824	85.6	20.9	56 W	50*	14*
10 28	11 12.90	+24 23.9	0.635	0.841	83.4	20.9	57 W	51*	14*
11 2	11 23.24	+25 33.1	0.664	0.883	78.4	20.9	61 W	54*	14*
11 7	11 33.77	+26 26.1	0.689	0.924	74.2	20.9	64 W	58*	14*
11 12	11 44.23	+27 8.3	0.709	0.966	70.6	21.0	67 W	61*	15*
11 17	11 54.45	+27 44.1	0.725	1.006	67.4	21.0	70 W	63*	16*
11 22	12 4.27	+28 17.0	0.737	1.046	64.6	21.0	73 W	66*	17*
11 27	12 13.60	+28 49.5	0.745	1.084	62.1	21.0	76 W	69*	18*
12 2	12 22.36	+29 23.8	0.749	1.121	59.7	21.1	79 W	71*	19*
12 7	12 30.48	+30 1.8	0.749	1.157	57.6	21.1	82 W	73*	20*
12 12	12 37.86	+30 45.2	0.746	1.191	55.5	21.1	86 W	75*	22*
12 17	12 44.41	+31 35.5	0.741	1.224	53.5	21.0	89 W	77*	23*
12 22	12 50.00	+32 33.8	0.732	1.256	51.5	21.0	93 W	78	24*
12 27	12 54.50	+33 41.0	0.722	1.286	49.4	21.0	97 W	79	25*
1 1	12 57.77	+34 57.8	0.711	1.315	47.3	20.9	101 W	80	25*
1 6	12 59.62	+36 24.7	0.698	1.342	45.1	20.9	105 W	81	26*
1 11	12 59.80	+38 1.7	0.685	1.368	42.9	20.8	109 W	83	25*
1 16	12 58.01	+39 47.9	0.672	1.392	40.5	20.7	113 W	85	24*

138852 2000 WN_{10}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 8	10 49.31	−60 43.9	0.289	0.889	104.0	21.1	60 W	—	33*
10 9	10 44.24	−61 27.5	0.283	0.894	103.4	21.0	61 W	—	34*
10 10	10 38.81	−62 11.4	0.277	0.900	102.9	21.0	61 W	—	35*
10 11	10 32.97	−62 55.5	0.271	0.905	102.2	20.9	62 W	—	36*
10 12	10 26.67	−63 39.7	0.265	0.911	101.6	20.8	63 W	—	36*
10 13	10 19.84	−64 24.2	0.259	0.916	100.9	20.7	64 W	—	37*
10 14	10 12.42	−65 8.8	0.253	0.921	100.2	20.7	65 W	—	38*
10 15	10 4.32	−65 53.4	0.247	0.927	99.4	20.6	66 W	—	39*
10 16	9 55.44	−66 37.9	0.241	0.932	98.6	20.5	68 W	—	40*
10 17	9 45.66	−67 22.1	0.235	0.937	97.8	20.4	69 W	—	40*
10 18	9 34.85	−68 5.6	0.229	0.943	96.9	20.3	70 W	—	41*
10 19	9 22.87	−68 48.1	0.223	0.948	95.9	20.3	71 W	—	42*
10 20	9 9.55	−69 29.0	0.217	0.953	94.9	20.2	73 W	—	42*
10 21	8 54.74	−70 7.5	0.212	0.959	93.8	20.1	74 W	—	43*
10 22	8 38.25	−70 42.7	0.206	0.964	92.7	20.0	75 W	—	43*
10 23	8 19.97	−71 13.5	0.200	0.969	91.5	19.9	77 W	—	43*
10 24	7 59.81	−71 38.3	0.195	0.975	90.2	19.8	78 W	—	44*
10 25	7 37.76	−71 55.6	0.190	0.980	88.9	19.7	80 W	—	44*
10 26	7 13.99	−72 3.4	0.184	0.985	87.5	19.6	82 W	—	44*
10 27	6 48.79	−71 59.8	0.179	0.990	86.0	19.5	84 W	—	44
10 28	6 22.65	−71 43.0	0.174	0.995	84.4	19.4	86 W	—	44
10 29	5 56.18	−71 11.2	0.170	1.001	82.7	19.2	88 W	—	45
10 30	5 30.05	−70 23.3	0.165	1.006	80.9	19.1	90 W	—	46
10 31	5 4.88	−69 18.6	0.161	1.011	79.0	19.0	92 W	—	47
11 1	4 41.15	−67 57.0	0.157	1.016	77.1	18.9	94 W	—	48
11 2	4 19.21	−66 18.6	0.153	1.021	75.0	18.8	96 W	—	50
11 3	3 59.20	−64 24.3	0.150	1.026	72.8	18.7	99 W	—	52
11 4	3 41.14	−62 14.9	0.147	1.031	70.6	18.6	101 W	—	54
11 5	3 24.96	−59 51.5	0.144	1.036	68.3	18.5	104 W	—	56
11 6	3 10.51	−57 15.6	0.142	1.041	65.9	18.4	107 W	—	59
11 7	2 57.65	−54 28.5	0.140	1.046	63.5	18.3	109 W	—	62
11 8	2 46.20	−51 31.8	0.139	1.050	61.1	18.2	112 E	—	64
11 9	2 36.00	−48 27.3	0.138	1.055	58.6	18.1	115 E	—	68
11 10	2 26.91	−45 16.9	0.137	1.060	56.3	18.1	117 E	—	71
11 11	2 18.78	−42 2.4	0.137	1.065	54.0	18.0	120 E	3	74
11 12	2 11.52	−38 45.8	0.138	1.069	51.8	18.0	122 E	6	77
11 13	2 5.01	−35 29.1	0.139	1.074	49.7	17.9	124 E	10	81
11 14	1 59.16	−32 13.9	0.141	1.079	47.8	17.9	126 E	13	84
11 15	1 53.91	−29 1.9	0.143	1.083	46.0	17.9	128 E	16	87
11 16	1 49.18	−25 54.5	0.146	1.088	44.5	17.9	130 E	19	90
11 17	1 44.92	−22 52.9	0.149	1.092	43.1	17.9	131 E	22	87
11 18	1 41.08	−19 58.0	0.153	1.097	42.0	18.0	132 E	25	84
11 19	1 37.62	−17 10.3	0.157	1.101	41.1	18.0	133 E	28	81
11 20	1 34.50	−14 30.4	0.161	1.105	40.4	18.0	134 E	30	79
11 21	1 31.69	−11 58.4	0.166	1.110	39.8	18.1	134 E	33	76
11 22	1 29.16	− 9 34.4	0.171	1.114	39.4	18.2	134 E	35	74
11 23	1 26.88	− 7 18.3	0.177	1.118	39.2	18.2	134 E	38	71
11 24	1 24.83	− 5 9.9	0.183	1.123	39.1	18.3	134 E	40	69
11 25	1 23.00	− 3 8.9	0.189	1.127	39.0	18.4	134 E	42	67
11 26	1 21.36	− 1 15.0	0.195	1.131	39.1	18.5	134 E	44	65
11 27	1 19.90	+ 0 32.2	0.202	1.135	39.3	18.6	133 E	46	63
11 29	1 17.47	+ 3 47.9	0.216	1.143	39.7	18.7	132 E	49	60
12 1	1 15.61	+ 6 41.4	0.231	1.151	40.3	18.9	131 E	52	57
12 3	1 14.25	+ 9 15.5	0.246	1.158	40.9	19.1	130 E	54	55
12 5	1 13.33	+11 32.8	0.262	1.166	41.6	19.3	128 E	57	52
12 7	1 12.81	+13 35.7	0.278	1.173	42.3	19.4	127 E	59	50
12 9	1 12.64	+15 26.3	0.295	1.180	43.0	19.6	125 E	60	49
12 11	1 12.79	+17 6.1	0.312	1.187	43.6	19.7	124 E	62	47
12 13	1 13.23	+18 36.7	0.330	1.194	44.2	19.9	122 E	64	45
12 15	1 13.94	+19 59.4	0.348	1.200	44.8	20.0	121 E	65	44
12 17	1 14.90	+21 15.2	0.366	1.206	45.3	20.2	119 E	66	43
12 19	1 16.09	+22 25.0	0.384	1.212	45.8	20.3	118 E	67	42
12 21	1 17.50	+23 29.6	0.402	1.218	46.2	20.4	117 E	68	41
12 23	1 19.10	+24 29.7	0.421	1.224	46.6	20.5	115 E	69	39*
12 25	1 20.89	+25 25.7	0.439	1.230	46.9	20.6	114 E	70	38*
12 27	1 22.85	+26 18.2	0.458	1.235	47.3	20.7	113 E	71	37*
1 1	1 28.43	+28 16.5	0.505	1.247	48.0	21.0	110 E	73	35*
1 6	1 34.90	+30 0.0	0.552	1.258	48.5	21.2	107 E	75	33*
1 11	1 42.17	+31 32.2	0.599	1.268	48.9	21.4	104 E	77	31*
1 16	1 50.18	+32 55.7	0.646	1.276	49.1	21.6	101 E	78	29*

65909 1998 FH_{12}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 8	11 5.35	+ 3 33.0	0.694	0.516	110.5	21.2	29 W	20*	14*
10 10	11 6.73	+ 3 40.6	0.729	0.525	104.4	21.0	31 W	21*	15*
10 12	11 8.99	+ 3 42.1	0.764	0.536	98.8	20.8	32 W	23*	16*
10 14	11 11.98	+ 3 38.3	0.799	0.549	93.6	20.7	33 W	24*	17*
10 16	11 15.57	+ 3 30.1	0.833	0.563	88.9	20.7	34 W	25*	17*
10 18	11 19.62	+ 3 18.0	0.866	0.579	84.6	20.7	35 W	26*	18*
10 23	11 31.19	+ 2 35.2	0.945	0.624	75.6	20.7	37 W	28*	19*
10 28	11 43.92	+ 1 40.3	1.017	0.673	68.6	20.8	39 W	29*	20*

65909 1998 FH_{12} *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
11 2	11 57.11	+ 0 38.8	1.080	0.725	63.1	20.9	41 W	30*	21*
11 7	12 10.35	− 0 25.8	1.135	0.777	58.9	21.0	42 W	31*	22*
11 12	12 23.41	− 1 31.3	1.183	0.830	55.6	21.2	44 W	32*	23*
11 17	12 36.18	− 2 36.1	1.223	0.882	53.1	21.3	45 W	33*	25*
11 22	12 48.59	− 3 39.1	1.256	0.933	51.1	21.4	47 W	33*	27*

415713 1998 XX_2

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 8	11 21.81	+ 7 3.3	1.411	0.683	40.8	21.4	27 W	20*	9*
10 13	11 49.31	+ 4 13.8	1.409	0.644	39.3	21.3	24 W	17*	7*
10 18	12 17.76	+ 1 10.6	1.412	0.605	36.9	21.1	21 W	15*	6*
10 23	12 47.27	− 2 4.1	1.418	0.567	33.4	20.8	18 W	12*	4*
10 28	13 18.01	− 5 27.5	1.427	0.532	28.7	20.6	15 W	8*	2*
11 2	13 50.12	− 8 55.1	1.437	0.502	22.6	20.3	11 W	5*	—
11 7	14 23.71	−12 21.3	1.447	0.481	15.1	20.0	7 W	1*	—
11 12	14 58.74	−15 38.2	1.455	0.470	6.8	19.6	3 W	—	—
11 17	15 35.01	−18 37.3	1.459	0.471	2.7	19.4	1 E	—	—
11 22	16 12.14	−21 10.2	1.460	0.484	10.5	19.8	5 E	—	—
11 27	16 49.61	−23 10.3	1.458	0.508	17.7	20.2	9 E	—	3*
12 2	17 26.89	−24 34.2	1.456	0.538	23.5	20.5	13 E	—	6*
12 7	18 3.48	−25 21.4	1.455	0.574	28.0	20.8	16 E	2*	9*
12 12	18 38.91	−25 33.5	1.456	0.613	31.2	21.0	19 E	4*	12*
12 17	19 12.84	−25 13.9	1.460	0.652	33.4	21.2	21 E	6*	14*
12 22	19 45.02	−24 26.9	1.468	0.691	34.9	21.4	24 E	8*	16*

137158 1999 FB

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 8	11 24.47	+ 6 56.5	0.721	0.472	112.1	19.9	26 W	19*	8*
10 10	11 26.92	+ 7 37.6	0.761	0.480	104.9	19.6	28 W	21*	9*
10 12	11 30.23	+ 8 4.9	0.802	0.492	98.1	19.4	29 W	22*	9*
10 14	11 34.23	+ 8 20.4	0.842	0.506	92.0	19.3	30 W	24*	9*
10 16	11 38.76	+ 8 26.0	0.882	0.522	86.5	19.3	31 W	25*	10*
10 18	11 43.68	+ 8 23.4	0.921	0.540	81.5	19.2	32 W	26*	10*
10 20	11 48.89	+ 8 14.2	0.959	0.559	77.0	19.2	33 W	26*	10*
10 22	11 54.30	+ 7 59.6	0.996	0.580	73.0	19.3	34 W	27*	10*
10 24	11 59.82	+ 7 40.8	1.031	0.602	69.4	19.3	35 W	28*	11*
10 26	12 5.40	+ 7 18.7	1.064	0.624	66.3	19.4	35 W	28*	11*
10 28	12 11.01	+ 6 54.0	1.097	0.647	63.4	19.4	36 W	29*	11*
11 2	12 24.92	+ 5 44.5	1.170	0.707	57.7	19.6	37 W	30*	12*
11 7	12 38.47	+ 4 29.1	1.235	0.767	53.3	19.7	38 W	31*	14*
11 12	12 51.53	+ 3 11.9	1.291	0.827	50.1	19.9	40 W	32*	15*
11 17	13 4.04	+ 1 55.2	1.339	0.886	47.6	20.1	41 W	33*	17*
11 22	13 16.02	+ 0 40.5	1.379	0.944	45.7	20.2	43 W	34*	19*
11 27	13 27.47	− 0 31.4	1.412	1.000	44.3	20.4	45 W	35*	21*
12 7	13 48.90	− 2 45.1	1.459	1.106	42.5	20.6	49 W	36*	26*
12 17	14 8.51	− 4 44.3	1.481	1.204	41.4	20.8	54 W	37*	32*
12 27	14 26.35	− 6 28.7	1.482	1.294	40.8	20.9	59 W	37*	38*
1 6	14 42.40	− 7 58.7	1.462	1.377	40.4	21.0	65 W	36*	46*
1 16	14 56.54	− 9 14.9	1.425	1.453	40.0	21.1	72 W	36*	53*

417217 2005 YS

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 8	11 31.60	+43 49.3	0.443	0.814	101.1	21.1	53 W	40*	—
10 10	11 30.76	+44 59.9	0.440	0.833	98.6	21.0	56 W	43*	—
10 12	11 30.11	+46 6.8	0.436	0.851	96.4	20.9	58 W	45*	—
10 14	11 29.67	+47 10.6	0.432	0.868	94.2	20.8	60 W	47*	—
10 16	11 29.43	+48 12.0	0.427	0.885	92.2	20.8	62 W	49*	—
10 18	11 29.37	+49 11.7	0.422	0.900	90.3	20.7	65 W	51*	—
10 23	11 29.95	+51 37.2	0.408	0.937	85.9	20.5	70 W	56*	—
10 28	11 31.46	+54 3.8	0.392	0.970	81.9	20.4	75 W	60*	—
11 2	11 33.70	+56 39.8	0.374	0.999	78.2	20.2	80 W	63*	—
11 7	11 36.50	+59 33.5	0.353	1.024	74.6	20.0	85 W	65*	—
11 9	11 37.72	+60 50.0	0.345	1.033	73.3	19.9	87 W	66*	—
11 11	11 38.97	+62 11.4	0.336	1.042	71.9	19.8	89 W	66*	—
11 13	11 40.20	+63 38.4	0.327	1.050	70.5	19.8	91 W	66*	—
11 15	11 41.40	+65 11.8	0.318	1.057	69.1	19.7	93 W	66*	—
11 17	11 42.50	+66 52.1	0.309	1.064	67.7	19.6	95 W	65*	—
11 19	11 43.43	+68 40.2	0.300	1.070	66.3	19.5	98 W	64*	—
11 21	11 44.10	+70 36.8	0.291	1.076	64.9	19.4	100 W	63*	—
11 23	11 44.35	+72 42.5	0.282	1.081	63.5	19.3	102 W	61*	—
11 25	11 43.91	+74 58.1	0.273	1.085	62.0	19.2	104 W	60*	—
11 27	11 42.26	+77 24.2	0.265	1.089	60.6	19.1	106 W	57*	—
11 28	11 40.68	+78 41.4	0.261	1.091	59.9	19.0	107 W	56*	—
11 29	11 38.28	+80 1.3	0.257	1.093	59.2	19.0	108 W	55*	—
11 30	11 34.60	+81 24.0	0.253	1.094	58.5	18.9	109 W	54*	—
12 1	11 28.83	+82 49.4	0.249	1.096	57.9	18.9	110 W	52*	—
12 2	11 19.22	+84 17.2	0.246	1.097	57.2	18.8	111 W	51	—
12 3	11 1.46	+85 46.7	0.242	1.098	56.6	18.8	112 W	49	—
12 4	10 21.79	+87 15.4	0.239	1.099	56.0	18.7	112 W	48	—
12 5	8 19.19	+88 30.0	0.236	1.100	55.4	18.7	113 W	47	—
12 6	3 52.97	+88 25.1	0.233	1.101	54.8	18.6	114 E	47	—

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
417217 2005 *YS* *(continuation)*									
12 7	1 59.58	+87 2.2	0.230	1.101	54.3	18.6	115 E	48	—
12 8	1 22.17	+85 21.1	0.227	1.102	53.9	18.6	115 E	50	—
12 9	1 5.19	+83 33.7	0.225	1.102	53.5	18.5	116 E	51	—
12 10	0 55.96	+81 42.4	0.223	1.102	53.1	18.5	116 E	53	—
12 11	0 50.43	+79 48.0	0.221	1.102	52.8	18.5	117 E	55	—
12 12	0 46.94	+77 51.2	0.219	1.102	52.6	18.5	117 E	57	—
12 13	0 44.71	+75 52.2	0.218	1.102	52.4	18.4	117 E	59	—
12 14	0 43.29	+73 51.4	0.217	1.102	52.4	18.4	118 E	61	—
12 15	0 42.43	+71 49.3	0.216	1.101	52.3	18.4	118 E	63	—
12 16	0 41.97	+69 46.1	0.215	1.101	52.4	18.4	118 E	65	—
12 17	0 41.81	+67 42.2	0.215	1.100	52.6	18.4	117 E	67	—
12 18	0 41.88	+65 38.0	0.215	1.099	52.8	18.4	117 E	69	—
12 19	0 42.13	+63 33.9	0.215	1.098	53.1	18.4	117 E	71	—
12 20	0 42.51	+61 30.2	0.216	1.097	53.5	18.4	116 E	73	2*
12 21	0 43.01	+59 27.2	0.217	1.096	53.9	18.4	116 E	76	4*
12 22	0 43.59	+57 25.3	0.218	1.094	54.4	18.5	115 E	78	6*
12 23	0 44.25	+55 24.8	0.219	1.093	55.0	18.5	114 E	80	8*
12 24	0 44.97	+53 25.9	0.220	1.091	55.7	18.5	114 E	82	10*
12 25	0 45.73	+51 29.0	0.222	1.089	56.3	18.6	113 E	84	12*
12 26	0 46.54	+49 34.2	0.224	1.087	57.1	18.6	112 E	85	14*
12 27	0 47.38	+47 41.8	0.226	1.085	57.8	18.6	111 E	87	15*
12 29	0 49.14	+44 4.5	0.232	1.080	59.5	18.7	109 E	89	19*
12 31	0 50.97	+40 38.3	0.237	1.075	61.2	18.8	107 E	86	21*
1 2	0 52.85	+37 23.4	0.244	1.070	63.0	18.9	104 E	82	24*
1 4	0 54.76	+34 20.1	0.251	1.063	64.8	19.0	102 E	79	27*
1 6	0 56.67	+31 28.1	0.259	1.056	66.7	19.1	99 E	76	29*
1 8	0 58.59	+28 47.2	0.267	1.049	68.5	19.2	97 E	74	31*
1 10	1 0.49	+26 16.6	0.275	1.041	70.4	19.4	94 E	71	32*
1 12	1 2.36	+23 55.9	0.283	1.033	72.2	19.5	92 E	69	34*
1 14	1 4.20	+21 44.1	0.292	1.024	73.9	19.6	89 E	67	35*
226554 2003 WR_{21}									
10 8	11 56.22	+ 5 5.2	1.753	0.863	21.3	21.4	18 W	12*	2*
10 13	12 18.30	+ 2 47.9	1.750	0.851	20.4	21.4	17 W	11*	2*
10 18	12 40.48	+ 0 27.0	1.750	0.841	19.4	21.3	16 W	10*	1*
10 23	13 2.77	− 1 55.7	1.751	0.833	18.2	21.3	15 W	9*	—
10 28	13 25.17	− 4 18.4	1.756	0.828	17.0	21.2	14 W	8*	—
11 2	13 47.71	− 6 39.4	1.762	0.826	15.7	21.2	13 W	7*	—
11 7	14 10.40	− 8 56.9	1.771	0.827	14.4	21.1	12 W	6*	—
11 12	14 33.24	−11 9.1	1.781	0.831	13.0	21.1	11 W	5*	—
11 17	14 56.23	−13 14.4	1.794	0.837	11.7	21.1	10 W	4*	—
11 22	15 19.35	−15 11.1	1.807	0.846	10.5	21.1	9 W	3*	—
11 27	15 42.57	−16 57.8	1.823	0.857	9.3	21.1	8 W	2*	—
12 2	16 5.87	−18 33.4	1.839	0.871	8.2	21.1	7 W	1*	—
12 7	16 29.18	−19 57.1	1.857	0.886	7.3	21.1	7 W	—	—
12 12	16 52.46	−21 8.1	1.876	0.903	6.6	21.1	6 W	—	—
12 17	17 15.63	−22 6.0	1.896	0.921	5.9	21.2	6 W	—	—
12 22	17 38.61	−22 50.8	1.916	0.941	5.5	21.2	5 W	—	—
12 27	18 1.32	−23 22.6	1.937	0.961	5.2	21.3	5 W	—	—
1 1	18 23.69	−23 41.7	1.958	0.983	5.1	21.3	5 W	—	—
1 6	18 45.65	−23 48.7	1.979	1.004	5.1	21.4	5 W	—	—
1 11	19 7.16	−23 44.3	2.001	1.026	5.2	21.5	5 W	—	—
208617 2002 EB_3									
10 8	12 5.55	+ 0 27.3	2.601	1.649	8.3	21.4	14 W	7*	2*
10 18	12 28.33	− 2 27.0	2.474	1.552	11.0	21.3	17 W	10*	5*
10 28	12 53.18	− 5 35.0	2.340	1.450	13.8	21.1	20 W	12*	8*
11 7	13 20.75	− 8 57.2	2.202	1.344	16.6	20.9	23 W	14*	10*
11 17	13 51.92	−12 33.4	2.063	1.232	19.3	20.7	24 W	14*	12*
11 27	14 27.85	−16 20.0	1.929	1.116	22.0	20.4	25 W	13*	14*
12 2	14 48.08	−18 14.9	1.865	1.057	23.2	20.3	25 W	12*	14*
12 7	15 10.10	−20 8.4	1.805	0.996	24.2	20.1	25 W	11*	15*
12 12	15 34.15	−21 57.9	1.749	0.936	25.1	19.9	24 W	10*	15*
12 17	16 0.44	−23 39.7	1.697	0.875	25.6	19.7	23 W	8*	14*
12 22	16 29.14	−25 8.8	1.652	0.815	25.7	19.5	21 W	6*	13*
12 27	17 0.33	−26 19.4	1.614	0.757	25.2	19.3	19 W	4*	12*
1 1	17 33.90	−27 4.7	1.583	0.701	23.8	19.0	17 W	1*	10*
1 6	18 9.57	−27 17.7	1.560	0.651	21.4	18.8	14 W	—	8*
1 11	18 46.78	−26 52.2	1.545	0.609	17.8	18.5	11 W	—	5*
1 16	19 24.74	−25 44.4	1.536	0.577	13.2	18.2	8 W	—	2*
37336 2001 *RM*									
10 8	12 24.88	−19 42.9	4.007	3.056	5.1	21.5	16 W	—	7*
10 18	12 38.96	−20 36.7	3.968	3.028	5.5	21.4	17 W	—	10*
10 28	12 53.14	−21 32.0	3.912	2.999	6.5	21.4	20 W	—	14*
11 7	13 7.40	−22 27.7	3.838	2.967	8.0	21.4	25 W	5*	18*
11 17	13 21.69	−23 23.1	3.748	2.935	9.7	21.4	30 W	9*	23*
11 27	13 35.95	−24 17.0	3.641	2.901	11.5	21.4	36 W	13*	28*
12 7	13 50.11	−25 8.5	3.519	2.866	13.3	21.4	42 W	15*	34*
12 17	14 4.11	−25 56.4	3.382	2.829	15.1	21.3	49 W	17*	40*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
37336 2001 *RM* *(continuation)*									
12 27	14 17.83	−26 39.7	3.232	2.791	16.8	21.3	55 W	17*	47*
1 6	14 31.14	−27 17.2	3.071	2.751	18.4	21.2	62 W	17*	54*
1 16	14 43.89	−27 47.7	2.899	2.710	19.8	21.1	69 W	17*	62*
482055 2010 AH_{30}									
10 8	12 29.30	+20 43.4	2.013	1.215	22.2	21.4	27 W	17*	—
10 18	13 10.80	+17 25.0	1.946	1.157	23.4	21.3	28 W	17*	—
10 28	13 53.00	+13 29.8	1.898	1.108	24.0	21.1	27 W	16*	—
11 7	14 35.25	+ 9 5.6	1.874	1.069	23.6	21.0	26 W	14*	—
11 17	15 16.99	+ 4 24.4	1.872	1.043	22.3	20.9	24 W	13*	—
11 27	15 57.81	− 0 19.4	1.890	1.032	20.1	20.9	21 W	11*	—
12 7	16 37.49	− 4 52.4	1.924	1.036	17.3	20.8	18 W	10*	—
12 17	17 15.99	− 9 3.7	1.971	1.054	14.3	20.8	15 W	8*	—
12 27	17 53.33	−12 46.0	2.023	1.086	11.5	20.8	13 W	7*	—
1 6	18 29.55	−15 55.8	2.079	1.130	9.7	20.9	11 W	5*	—
1 16	19 4.72	−18 32.6	2.134	1.184	9.3	21.0	11 W	3*	2*
364136 2006 *CJ*									
10 8	12 38.86	− 8 31.1	1.736	0.745	6.4	21.2	5 W	—	—
10 13	12 58.68	−10 28.7	1.660	0.670	6.7	20.9	5 W	—	—
10 18	13 20.97	−12 31.1	1.575	0.585	6.7	20.5	4 W	—	—
10 23	13 46.58	−14 36.2	1.479	0.489	6.9	20.0	3 W	—	—
10 28	14 16.74	−16 38.5	1.367	0.381	10.2	19.4	4 E	—	—
10 30	14 30.41	−17 23.5	1.314	0.335	14.3	19.2	5 E	—	—
11 1	14 45.07	−18 3.3	1.255	0.287	21.1	19.0	6 E	—	—
11 3	15 0.54	−18 33.7	1.186	0.239	32.3	18.8	7 E	—	1*
11 5	15 15.95	−18 47.4	1.104	0.197	51.0	18.8	9 E	—	3*
11 7	15 28.66	−18 32.9	1.006	0.169	80.2	19.2	10 E	—	3*
11 8	15 32.55	−18 12.1	0.954	0.166	98.1	19.7	10 E	—	3*
11 9	15 34.10	−17 43.0	0.903	0.170	116.4	20.7	9 E	—	2*
11 10	15 33.31	−17 7.7	0.857	0.182	133.4	22.2	8 E	—	1*
11 11	15 30.54	−16 29.0	0.816	0.199	148.0	24.3	6 E	—	—
420187 2011 GA_{55}									
10 8	12 43.23	− 9 17.4	2.571	1.576	2.8	21.4	4 W	—	—
10 18	13 9.79	−12 15.6	2.500	1.513	4.0	21.4	6 W	—	—
10 28	13 38.38	−15 15.1	2.428	1.450	5.4	21.3	8 W	—	2*
11 7	14 9.29	−18 11.4	2.356	1.389	6.9	21.2	10 W	—	3*
11 17	14 42.87	−20 58.6	2.288	1.332	8.3	21.1	11 W	—	5*
11 27	15 19.33	−23 28.9	2.225	1.279	9.5	21.0	12 W	—	6*
12 7	15 58.74	−25 32.9	2.169	1.231	10.5	20.9	13 W	—	7*
12 17	16 40.89	−27 0.5	2.123	1.189	11.3	20.8	14 W	—	7*
12 27	17 25.17	−27 42.2	2.087	1.156	11.8	20.7	14 W	—	8*
1 6	18 10.59	−27 31.4	2.063	1.133	12.0	20.7	14 W	—	8*
1 16	18 55.98	−26 25.8	2.052	1.121	12.0	20.6	14 W	—	8*
315098 2007 *EX*									
10 8	12 44.05	+13 48.2	0.559	0.510	138.3	20.8	20 W	10*	—
10 10	12 36.09	+14 17.2	0.572	0.514	133.6	20.3	22 W	13*	—
10 12	12 28.84	+14 28.3	0.588	0.520	128.4	19.9	24 W	17*	—
10 14	12 22.49	+14 22.9	0.606	0.527	123.2	19.5	26 W	19*	—
10 16	12 17.14	+14 3.2	0.626	0.536	118.0	19.2	28 W	22*	—
10 18	12 12.81	+13 31.4	0.647	0.546	113.0	19.0	30 W	24*	1*
10 20	12 9.48	+12 49.6	0.668	0.558	108.2	18.8	32 W	26*	4*
10 22	12 7.10	+11 59.9	0.690	0.571	103.8	18.7	34 W	28*	6*
10 24	12 5.57	+11 4.0	0.712	0.584	99.7	18.6	35 W	29*	8*
10 26	12 4.81	+10 3.4	0.734	0.599	95.9	18.5	37 W	30*	10*
10 28	12 4.72	+ 8 59.3	0.756	0.614	92.4	18.5	38 W	31*	12*
10 30	12 5.22	+ 7 52.6	0.777	0.630	89.2	18.5	39 W	32*	14*
11 1	12 6.23	+ 6 44.1	0.797	0.646	86.2	18.5	40 W	33*	15*
11 3	12 7.69	+ 5 34.4	0.817	0.662	83.5	18.5	42 W	33*	17*
11 5	12 9.51	+ 4 24.0	0.836	0.679	81.0	18.5	43 W	34*	18*
11 7	12 11.67	+ 3 13.2	0.854	0.696	78.8	18.5	44 W	34*	20*
11 12	12 18.16	+ 0 16.4	0.895	0.738	73.9	18.6	46 W	34*	24*
11 17	12 25.83	− 2 38.1	0.930	0.780	70.0	18.7	48 W	34*	27*
11 22	12 34.29	− 5 29.0	0.959	0.821	66.9	18.7	50 W	33*	31*
11 27	12 43.31	− 8 15.8	0.983	0.861	64.3	18.8	52 W	32*	34*
12 7	13 2.46	−13 36.9	1.016	0.935	60.5	19.0	56 W	29*	41*
12 17	13 22.58	−18 42.7	1.030	1.002	57.9	19.1	60 W	26*	47*
12 27	13 43.36	−23 35.3	1.028	1.060	56.2	19.1	64 W	21*	54*
1 6	14 4.78	−28 17.4	1.013	1.110	55.0	19.2	68 W	17	60*
1 16	14 26.90	−32 51.5	0.985	1.151	54.2	19.2	72 W	12	65*
483423 2000 DO_1									
10 8	12 49.57	− 6 15.6	1.730	0.731	1.9	21.0	1 W	—	—
10 13	13 13.86	− 8 53.0	1.662	0.665	1.7	20.7	1 E	—	—
10 18	13 40.60	−11 36.1	1.594	0.601	4.9	20.6	3 E	—	—
10 23	14 10.15	−14 21.0	1.525	0.543	10.3	20.5	6 E	—	—

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
483423 2000 DO_1 *(continuation)*									
10 28	14 42.81	−17 1.1	1.453	0.496	18.0	20.5	9 E	—	3*
11 2	15 18.61	−19 27.0	1.378	0.464	28.0	20.6	13 E	—	7*
11 7	15 57.16	−21 27.2	1.300	0.455	39.3	20.7	17 E	1*	11*
11 12	16 37.69	−22 51.1	1.223	0.469	50.1	21.0	21 E	4*	15*
11 17	17 19.39	−23 32.2	1.151	0.505	58.8	21.2	26 E	7*	19*
11 22	18 1.56	−23 27.9	1.089	0.555	64.6	21.5	31 E	10*	23*
128451 2004 NC_{25}									
10 8	12 50.07	− 7 18.7	3.961	2.962	0.6	21.5	2 W	—	—
10 18	13 3.63	− 8 53.6	3.940	2.953	2.4	21.6	7 W	—	—
10 28	13 17.31	−10 27.8	3.902	2.943	4.4	21.7	13 W	5*	4*
11 7	13 31.07	−12 0.6	3.848	2.932	6.4	21.8	19 W	10*	9*
11 17	13 44.86	−13 31.7	3.779	2.920	8.5	21.8	26 W	14*	14*
267221 2001 AD_2									
10 8	12 50.07	− 5 38.8	2.017	1.019	1.2	21.4	1 W	—	—
10 18	13 24.50	− 9 1.4	1.894	0.899	2.1	21.1	2 W	—	—
10 28	14 4.80	−12 38.6	1.760	0.767	1.7	20.6	1 W	—	—
11 7	14 53.59	−16 23.6	1.613	0.623	1.7	19.9	1 E	—	—
11 12	15 22.28	−18 13.7	1.535	0.549	5.7	19.8	3 E	—	—
11 17	15 54.50	−19 56.3	1.449	0.477	12.3	19.6	6 E	—	—
11 22	16 30.55	−21 24.1	1.354	0.413	23.0	19.5	9 E	—	3*
11 27	17 9.97	−22 27.2	1.245	0.367	39.0	19.6	14 E	2*	7*
11 29	17 26.32	−22 43.5	1.197	0.358	46.8	19.6	15 E	3*	8*
12 1	17 42.75	−22 54.1	1.146	0.354	54.9	19.7	17 E	4*	10*
12 3	17 59.09	−22 59.1	1.094	0.356	63.2	19.9	19 E	5*	11*
12 5	18 15.20	−22 58.6	1.041	0.364	71.2	20.1	20 E	7*	13*
12 7	18 31.01	−22 53.0	0.988	0.378	78.5	20.3	22 E	8*	14*
12 9	18 46.53	−22 42.7	0.937	0.396	85.0	20.5	24 E	9*	15*
12 11	19 1.82	−22 27.8	0.887	0.418	90.6	20.8	25 E	10*	16*
12 13	19 16.99	−22 8.4	0.840	0.443	95.2	21.0	27 E	11*	17*
12 15	19 32.15	−21 44.5	0.795	0.470	98.9	21.1	28 E	12*	19*
12 17	19 47.42	−21 15.6	0.753	0.498	101.8	21.3	30 E	13*	20*
12 19	20 2.93	−20 41.3	0.714	0.527	103.9	21.4	31 E	15*	21*
12 21	20 18.77	−20 1.2	0.678	0.556	105.3	21.5	33 E	16*	22*
405401 2004 PH_{35}									
10 8	12 50.31	−19 0.9	2.741	1.783	7.4	21.5	13 W	—	1*
10 18	13 14.77	−22 4.8	2.713	1.757	7.4	21.4	13 W	—	3*
10 28	13 40.70	−25 4.9	2.681	1.733	7.9	21.4	14 W	—	6*
11 7	14 8.29	−27 57.6	2.648	1.710	8.6	21.4	15 W	—	8*
11 17	14 37.67	−30 38.8	2.614	1.690	9.6	21.4	17 W	—	10*
11 27	15 8.93	−33 3.8	2.579	1.672	10.7	21.3	18 W	—	12*
12 7	15 42.02	−35 7.3	2.545	1.657	11.9	21.3	20 W	—	14*
12 17	16 16.78	−36 44.4	2.512	1.644	13.1	21.3	22 W	—	16*
12 27	16 52.82	−37 50.8	2.480	1.634	14.3	21.3	24 W	—	18*
1 6	17 29.60	−38 23.1	2.450	1.627	15.5	21.4	26 W	—	20*
1 16	18 6.47	−38 19.9	2.420	1.623	16.8	21.4	28 W	—	22*
237353 1207 *T–2*									
10 8	12 53.20	− 6 6.1	3.552	2.553	0.2	21.4	0 W	—	—
10 18	13 9.24	− 7 55.5	3.514	2.525	2.3	21.6	6 W	—	—
10 28	13 25.65	− 9 44.4	3.463	2.497	4.5	21.7	11 W	4*	2*
11 7	13 42.44	−11 32.2	3.399	2.467	6.7	21.7	17 W	8*	6*
11 17	13 59.62	−13 18.3	3.322	2.437	8.9	21.7	22 W	12*	11*
229378 2005 SN_8									
10 8	12 54.24	− 6 18.9	3.138	2.139	0.2	21.4	0 W	—	—
10 18	13 13.80	− 8 27.5	3.102	2.110	2.2	21.5	5 W	—	—
10 28	13 33.95	−10 35.1	3.057	2.082	4.3	21.6	9 W	2*	1*
11 7	13 54.73	−12 40.4	3.003	2.053	6.5	21.6	14 W	6*	4*
11 17	14 16.21	−14 42.2	2.941	2.024	8.7	21.7	18 W	9*	8*
83988 2002 LC_{34}									
10 8	12 57.41	− 1 10.0	3.673	2.679	1.8	21.5	5 E	—	—
10 18	13 12.78	− 2 38.9	3.655	2.674	3.1	21.6	8 W	2*	—
10 28	13 28.25	− 4 5.0	3.622	2.667	5.1	21.6	14 W	8*	—
11 7	13 43.80	− 5 27.7	3.575	2.660	7.1	21.7	19 W	13*	3*
11 17	13 59.40	− 6 46.0	3.513	2.652	9.1	21.8	25 W	18*	8*
516868 2011 GC_{60}									
10 8	13 3.23	− 9 19.7	2.203	1.208	3.3	21.5	4 E	—	—
10 18	13 28.02	−15 12.9	2.151	1.164	4.9	21.4	6 W	—	—
10 28	13 55.56	−21 14.1	2.097	1.126	7.8	21.4	9 W	—	1*
11 7	14 26.98	−27 16.8	2.044	1.095	11.0	21.4	12 W	—	4*
11 17	15 3.72	−33 9.2	1.994	1.073	14.1	21.5	15 W	—	6*
11 27	15 47.36	−38 31.7	1.952	1.061	16.9	21.5	18 W	—	7*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
189829 2002 VQ_6									
10 8	13 8.56	− 9 22.7	2.635	1.642	3.0	21.5	5 E	—	—
10 18	13 34.03	−11 38.4	2.619	1.623	1.3	21.3	2 E	—	—
10 28	14 0.31	−13 48.6	2.597	1.605	1.5	21.3	2 W	—	—
11 7	14 27.48	−15 50.6	2.570	1.586	3.3	21.4	5 W	—	—
11 17	14 55.61	−17 41.8	2.540	1.568	5.2	21.4	8 W	—	1*
11 27	15 24.73	−19 19.4	2.506	1.550	7.1	21.5	11 W	3*	3*
12 7	15 54.81	−20 40.4	2.468	1.532	9.0	21.5	14 W	5*	5*
118108 2398 *T–3*									
10 8	13 9.79	− 9 18.1	3.970	2.976	1.7	21.5	5 E	—	—
10 18	13 23.59	−10 46.8	3.990	2.995	0.8	21.4	2 W	—	—
10 28	13 37.38	−12 13.1	3.994	3.013	2.6	21.6	8 W	—	1*
11 7	13 51.12	−13 36.6	3.981	3.030	4.6	21.7	14 W	5*	5*
11 17	14 4.75	−14 56.9	3.951	3.046	6.6	21.8	21 W	10*	10*
190276 4548 *P–L*									
10 8	13 10.64	− 9 12.4	3.071	2.078	2.5	21.4	5 E	—	—
10 18	13 30.53	−11 27.1	3.032	2.036	0.9	21.2	2 W	—	—
10 28	13 51.32	−13 41.3	2.983	1.994	2.3	21.2	5 W	—	—
11 7	14 13.10	−15 53.8	2.926	1.952	4.4	21.3	9 W	—	1*
11 17	14 35.99	−18 2.8	2.862	1.910	6.6	21.3	13 W	3*	5*
11 27	15 0.06	−20 6.5	2.790	1.868	8.8	21.3	17 W	6*	8*
12 7	15 25.42	−22 2.6	2.714	1.826	11.0	21.3	21 W	8*	12*
12 17	15 52.17	−23 48.5	2.633	1.784	13.2	21.2	24 W	9*	16*
12 27	16 20.33	−25 21.4	2.549	1.744	15.4	21.2	28 W	9*	20*
1 6	16 49.92	−26 38.2	2.463	1.704	17.5	21.1	31 W	9*	24*
1 16	17 20.88	−27 35.6	2.377	1.665	19.7	21.1	35 W	9*	28*
170178 2003 MR_2									
10 8	13 14.02	− 9 52.8	3.217	2.227	2.8	21.5	6 E	—	—
10 18	13 33.28	−11 47.4	3.188	2.193	1.0	21.3	2 E	—	—
10 28	13 53.24	−13 40.6	3.148	2.159	1.9	21.3	4 W	—	—
11 7	14 13.95	−15 30.9	3.100	2.124	3.9	21.4	8 W	—	1*
11 17	14 35.47	−17 17.1	3.042	2.090	6.1	21.4	13 W	4*	5*
11 27	14 57.80	−18 57.3	2.976	2.056	8.3	21.4	18 W	7*	8*
12 7	15 20.99	−20 30.0	2.903	2.023	10.5	21.4	22 W	9*	13*
12 17	15 45.04	−21 53.4	2.823	1.990	12.7	21.4	26 W	11*	17*
12 27	16 9.93	−23 5.5	2.738	1.957	14.8	21.4	31 W	12*	22*
1 6	16 35.62	−24 4.7	2.648	1.925	17.0	21.3	35 W	13*	26*
1 16	17 2.04	−24 49.0	2.555	1.894	19.1	21.3	39 W	13*	31*
378842 2008 TD_4									
10 8	13 17.90	− 9 54.8	1.899	0.915	7.7	21.4	7 E	—	1*
10 13	13 39.66	−11 10.4	1.850	0.870	8.5	21.3	7 E	—	1*
10 18	14 2.74	−12 23.2	1.802	0.828	9.7	21.2	8 E	—	2*
10 23	14 27.17	−13 31.5	1.756	0.789	11.6	21.1	9 E	—	3*
10 28	14 52.99	−14 33.2	1.710	0.756	14.0	21.1	11 E	—	4*
11 2	15 20.16	−15 26.4	1.667	0.729	16.8	21.0	12 E	2*	5*
11 7	15 48.60	−16 8.8	1.627	0.710	20.1	21.0	14 E	4*	7*
11 12	16 18.13	−16 38.7	1.589	0.699	23.7	21.0	16 E	6*	8*
11 17	16 48.54	−16 54.3	1.556	0.697	27.2	21.1	19 E	8*	10*
11 22	17 19.54	−16 54.7	1.527	0.705	30.6	21.2	21 E	10*	11*
11 27	17 50.80	−16 39.5	1.505	0.722	33.5	21.3	24 E	12*	13*
12 2	18 22.00	−16 8.9	1.489	0.746	35.8	21.4	26 E	15*	14*
325102 2008 EY_5									
10 8	13 19.55	− 9 42.3	1.717	0.736	9.8	21.2	7 E	—	1*
10 13	13 39.06	−11 20.3	1.655	0.677	10.8	21.0	7 E	—	1*
10 18	14 0.17	−12 58.8	1.584	0.611	12.7	20.8	8 E	—	2*
10 23	14 23.27	−14 36.8	1.501	0.538	16.0	20.5	9 E	—	3*
10 28	14 48.72	−16 11.9	1.403	0.457	21.9	20.2	10 E	—	4*
11 2	15 16.66	−17 39.8	1.283	0.371	33.0	19.9	12 E	—	5*
11 7	15 45.54	−18 51.9	1.129	0.287	54.7	19.6	14 E	1*	7*
11 8	15 50.90	−19 3.3	1.093	0.273	61.2	19.7	14 E	2*	7*
11 9	15 55.87	−19 13.4	1.056	0.260	68.6	19.7	14 E	2*	7*
11 10	16 0.28	−19 22.0	1.017	0.249	76.9	19.8	14 E	2*	7*
11 11	16 3.93	−19 29.1	0.977	0.241	86.2	20.0	14 E	2*	7*
11 12	16 6.61	−19 34.6	0.936	0.236	96.3	20.3	14 E	2*	7*
11 13	16 8.13	−19 38.6	0.896	0.234	107.0	20.7	13 E	2*	6*
11 14	16 8.35	−19 41.1	0.857	0.235	118.0	21.3	12 E	1*	5*
267223 2001 DQ_8									
10 8	13 20.44	−14 30.7	2.341	1.372	7.8	21.2	11 E	—	4*
10 18	13 43.29	−16 39.1	2.199	1.218	6.2	20.7	8 E	—	—
10 28	14 10.29	−18 57.6	2.034	1.051	5.5	20.2	6 E	—	—
11 7	14 43.37	−21 23.4	1.847	0.865	6.1	19.6	5 W	—	—
11 12	15 3.18	−22 36.4	1.744	0.764	6.7	19.2	5 W	—	—
11 17	15 25.98	−23 46.1	1.635	0.655	7.4	18.8	5 W	—	—
11 22	15 52.67	−24 46.6	1.517	0.539	8.6	18.2	5 E	—	—
11 27	16 24.45	−25 26.6	1.386	0.413	12.5	17.6	5 E	—	—

267223 2001 DQ_8 *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
11 29	16 38.87	−25 31.8	1.328	0.361	16.2	17.4	6 E	—	—
12 1	16 54.30	−25 27.1	1.264	0.309	22.4	17.1	7 E	—	1*
12 3	17 10.54	−25 8.2	1.193	0.258	32.7	16.9	8 E	—	2*
12 5	17 26.76	−24 29.4	1.110	0.214	49.7	16.8	10 E	—	3*
12 7	17 40.75	−23 25.7	1.015	0.186	75.6	17.1	11 E	—	4*
12 8	17 45.76	−22 45.0	0.964	0.182	91.3	17.6	11 E	1*	3*
12 9	17 48.92	−22 0.5	0.914	0.187	107.2	18.3	10 E	1*	3*
12 10	17 50.14	−21 14.4	0.866	0.198	121.9	19.3	10 E	2*	2*
12 11	17 49.65	−20 28.3	0.821	0.215	134.7	20.5	9 E	2*	—

344076 1998 HJ_3

10 8	13 23.50	− 9 41.1	2.122	1.141	7.1	21.2	8 E	—	2*
10 18	13 56.47	−12 16.0	1.991	1.008	6.5	20.8	7 E	—	1*
10 28	14 35.01	−14 54.9	1.852	0.872	7.3	20.4	6 E	—	—
11 7	15 20.85	−17 27.9	1.707	0.737	10.4	20.0	8 E	—	1*
11 12	15 47.12	−18 36.9	1.631	0.672	13.4	19.8	9 E	—	2*
11 17	16 15.92	−19 36.5	1.554	0.613	17.8	19.6	11 E	1*	4*
11 22	16 47.33	−20 22.4	1.475	0.562	23.8	19.5	13 E	3*	6*
11 27	17 21.26	−20 50.0	1.394	0.525	31.7	19.5	16 E	5*	8*
12 2	17 57.32	−20 55.0	1.312	0.505	40.8	19.5	20 E	7*	11*
12 7	18 34.95	−20 34.6	1.230	0.507	50.2	19.6	23 E	10*	14*
12 12	19 13.55	−19 47.2	1.153	0.530	58.4	19.8	27 E	13*	17*
12 17	19 52.70	−18 32.5	1.085	0.569	64.5	20.0	31 E	16*	20*
12 22	20 32.09	−16 50.6	1.030	0.622	68.0	20.2	36 E	20*	23*
12 27	21 11.35	−14 42.8	0.990	0.682	69.3	20.4	40 E	23*	26*
1 1	21 49.98	−12 13.2	0.968	0.747	68.6	20.5	45 E	27*	29*
1 6	22 27.37	− 9 28.2	0.962	0.815	66.6	20.6	49 E	31*	32*
1 11	23 2.92	− 6 35.9	0.974	0.883	63.7	20.7	54 E	35*	34*
1 16	23 36.20	− 3 44.6	1.001	0.951	60.5	20.9	57 E	38*	36*

133620 2003 UU_{119}

10 8	13 28.79	+ 1 38.1	4.016	3.042	3.7	21.5	11 E	5*	—
10 18	13 42.14	+ 0 10.8	4.001	3.025	3.3	21.4	10 E	3*	—
10 28	13 55.71	− 1 13.4	3.969	3.007	4.1	21.5	12 W	5*	—
11 7	14 9.46	− 2 33.8	3.922	2.987	5.5	21.5	17 W	11*	—
11 17	14 23.36	− 3 49.8	3.859	2.967	7.2	21.5	22 W	16*	1*

348306 2005 AY_{28}

10 8	13 42.03	− 8 55.4	1.320	0.402	31.4	21.5	12 E	—	6*
10 10	13 55.45	−10 21.7	1.279	0.389	37.4	21.5	14 E	1*	7*
10 12	14 9.09	−11 48.6	1.236	0.380	44.0	21.6	15 E	1*	9*
10 14	14 22.88	−13 15.3	1.191	0.376	50.9	21.6	17 E	2*	11*
10 16	14 36.74	−14 41.0	1.144	0.376	58.0	21.8	19 E	2*	12*

240313 2003 GO_{35}

10 8	13 42.64	−10 44.7	2.836	1.875	6.8	21.4	13 E	—	7*
10 18	14 3.55	−13 46.3	2.819	1.841	4.8	21.3	9 E	—	3*
10 28	14 25.63	−16 45.7	2.795	1.808	2.9	21.1	5 E	—	—
11 7	14 48.99	−19 41.2	2.764	1.776	1.9	21.0	3 W	—	—
11 17	15 13.81	−22 30.8	2.728	1.745	2.9	21.0	5 W	—	—
11 27	15 40.23	−25 11.7	2.687	1.717	4.8	21.0	8 W	—	2*
12 7	16 8.36	−27 40.9	2.643	1.690	6.8	21.1	12 W	—	6*
12 17	16 38.31	−29 54.8	2.597	1.666	8.8	21.1	15 W	—	9*
12 27	17 10.06	−31 49.4	2.549	1.645	10.8	21.1	18 W	—	12*
1 6	17 43.50	−33 20.8	2.501	1.626	12.8	21.1	21 W	—	15*
1 16	18 18.41	−34 25.0	2.454	1.611	14.6	21.1	24 W	—	18*

159857 2004 LJ_1

10 8	14 7.60	−17 33.0	4.065	3.155	6.6	21.4	21 E	—	15*
10 18	14 20.62	−18 12.1	4.071	3.117	4.6	21.3	15 E	—	8*
10 28	14 34.12	−18 51.4	4.059	3.078	2.6	21.2	8 E	—	2*
11 7	14 48.04	−19 29.8	4.027	3.038	1.1	21.0	3 W	—	—
11 17	15 2.37	−20 6.2	3.976	2.996	2.2	21.0	7 W	—	—
11 27	15 17.03	−20 39.7	3.906	2.952	4.3	21.1	13 W	3*	5*
12 7	15 32.00	−21 9.3	3.818	2.907	6.4	21.1	19 W	7*	10*
12 17	15 47.21	−21 34.1	3.712	2.859	8.6	21.1	26 W	11*	16*
12 27	16 2.59	−21 53.0	3.590	2.810	10.8	21.1	32 W	14*	23*
1 6	16 18.09	−22 5.2	3.452	2.759	13.0	21.1	39 W	17*	30*
1 16	16 33.62	−22 9.7	3.300	2.707	15.1	21.0	46 W	18*	37*

358604 2007 VQ_3

10 8	14 11.42	− 8 18.2	3.235	2.314	8.1	21.4	19 E	6*	12*
10 18	14 29.84	− 9 43.3	3.230	2.278	6.2	21.3	14 E	4*	7*
10 28	14 49.03	−11 5.1	3.214	2.242	4.3	21.2	10 E	2*	2*
11 7	15 8.98	−12 22.0	3.187	2.205	2.8	21.0	6 E	—	—
11 17	15 29.71	−13 32.7	3.150	2.167	2.5	20.9	5 W	—	—
11 27	15 51.21	−14 35.8	3.102	2.130	3.8	21.0	8 W	2*	—
12 7	16 13.47	−15 29.8	3.045	2.092	5.7	21.0	12 W	6*	—
12 17	16 36.46	−16 13.2	2.980	2.054	7.8	21.0	16 W	9*	4*
12 27	17 0.13	−16 44.6	2.907	2.017	9.9	21.0	21 W	11*	8*

358604 2007 VQ_3 *(continuation)*

1 6	17 24.44	−17 2.6	2.828	1.980	12.1	21.0	25 W	13*	13*
1 16	17 49.30	−17 6.3	2.744	1.943	14.2	20.9	29 W	15*	18*

154652 2004 EP_{20}

10 8	14 12.93	− 4 31.5	1.988	1.098	17.7	21.3	19 E	9*	11*
10 18	14 44.98	− 7 11.3	1.921	1.023	17.8	21.1	18 E	8*	9*
10 28	15 20.08	− 9 54.0	1.842	0.943	18.5	20.8	17 E	8*	8*
11 7	15 58.93	−12 36.9	1.754	0.860	20.0	20.6	17 E	8*	7*
11 17	16 42.38	−15 15.6	1.657	0.776	22.8	20.3	18 E	8*	8*
11 22	17 6.08	−16 31.2	1.605	0.735	24.9	20.2	18 E	8*	8*
11 27	17 31.21	−17 42.9	1.551	0.696	27.5	20.1	19 E	9*	9*
12 2	17 57.81	−18 49.1	1.494	0.661	30.7	20.0	20 E	9*	10*
12 7	18 25.90	−19 48.2	1.436	0.630	34.7	19.9	21 E	10*	12*
12 12	18 55.39	−20 38.3	1.376	0.606	39.3	19.9	23 E	10*	13*
12 17	19 26.15	−21 17.3	1.314	0.589	44.5	19.9	25 E	11*	15*
12 22	19 57.95	−21 42.9	1.252	0.582	50.0	19.9	27 E	12*	17*
12 27	20 30.51	−21 52.8	1.189	0.584	55.4	19.9	29 E	13*	20*
1 1	21 3.58	−21 44.7	1.130	0.596	60.4	20.0	32 E	14*	22*
1 6	21 36.90	−21 16.7	1.073	0.617	64.7	20.1	35 E	15*	25*
1 11	22 10.29	−20 27.0	1.023	0.644	68.0	20.2	37 E	17*	27*
1 16	22 43.55	−19 14.3	0.978	0.678	70.2	20.3	40 E	19*	30*

187041 2005 JS_{127}

10 8	14 18.05	−11 46.7	2.751	1.857	11.3	21.4	21 E	4*	15*
10 18	14 41.52	−13 33.6	2.754	1.828	9.4	21.3	18 E	3*	11*
10 28	15 5.98	−15 13.7	2.750	1.801	7.5	21.2	14 E	2*	7*
11 7	15 31.42	−16 44.8	2.742	1.775	5.6	21.1	10 E	1*	3*
11 17	15 57.87	−18 4.7	2.728	1.749	3.8	20.9	7 E	—	—
11 27	16 25.26	−19 10.9	2.709	1.726	2.1	20.8	4 E	—	—
12 7	16 53.51	−20 1.1	2.687	1.703	1.5	20.7	3 W	—	—
12 17	17 22.52	−20 33.5	2.661	1.683	2.8	20.7	5 W	—	—
12 27	17 52.11	−20 46.2	2.633	1.664	4.5	20.8	8 W	1*	—
1 6	18 22.09	−20 38.3	2.603	1.647	6.4	20.9	11 W	2*	2*
1 16	18 52.25	−20 9.1	2.572	1.633	8.2	20.9	14 W	4*	6*

360433 2002 JR_9

10 8	14 18.90	− 7 28.5	2.480	1.587	13.0	21.4	21 E	7*	13*
10 18	14 43.27	− 9 51.1	2.415	1.496	11.6	21.2	18 E	6*	10*
10 28	15 10.09	−12 14.5	2.343	1.405	10.3	20.9	15 E	5*	7*
11 7	15 39.73	−14 35.6	2.264	1.313	9.3	20.7	12 E	4*	4*
11 17	16 12.63	−16 50.0	2.183	1.223	8.4	20.4	10 E	2*	2*
11 22	16 30.44	−17 52.7	2.141	1.179	8.1	20.3	10 E	2*	1*
11 27	16 49.21	−18 51.2	2.100	1.137	7.9	20.1	9 E	2*	1*
12 2	17 8.98	−19 44.2	2.060	1.095	7.8	20.0	9 E	1*	—
12 7	17 29.79	−20 30.4	2.021	1.056	7.8	19.9	8 E	1*	—
12 12	17 51.63	−21 8.3	1.983	1.019	8.0	19.8	8 E	1*	—
12 17	18 14.47	−21 36.4	1.948	0.984	8.3	19.7	8 E	1*	—
12 22	18 38.27	−21 53.2	1.914	0.953	8.9	19.6	9 E	1*	1*
12 27	19 2.91	−21 57.0	1.884	0.926	9.8	19.5	9 E	1*	1*
1 1	19 28.26	−21 46.7	1.857	0.904	10.8	19.5	10 E	1*	2*
1 6	19 54.15	−21 21.2	1.833	0.887	12.0	19.5	11 E	2*	3*
1 11	20 20.40	−20 40.0	1.814	0.875	13.4	19.5	12 E	3*	4*
1 16	20 46.77	−19 43.0	1.799	0.870	14.9	19.5	13 E	4*	5*

483483 2002 RR_{28}

10 8	14 20.44	−30 0.7	2.697	1.917	15.8	21.4	31 E	—	22*
10 18	14 44.96	−32 5.8	2.701	1.882	14.5	21.3	28 E	—	19*
10 28	15 11.39	−34 3.3	2.699	1.849	13.2	21.3	25 E	—	16*
11 7	15 39.79	−35 49.2	2.690	1.815	12.1	21.2	23 E	—	13*
11 17	16 10.23	−37 19.5	2.676	1.783	11.1	21.1	20 E	—	10*
11 27	16 42.61	−38 29.4	2.658	1.752	10.3	21.0	19 E	—	8*
12 7	17 16.70	−39 14.3	2.637	1.721	9.8	20.9	17 E	—	6*
12 17	17 52.14	−39 30.1	2.614	1.692	9.4	20.9	16 E	—	5*
12 27	18 28.37	−39 13.5	2.589	1.665	9.3	20.8	16 E	—	3*
1 6	19 4.78	−38 22.7	2.564	1.640	9.4	20.7	16 W	—	3*
1 16	19 40.75	−36 57.5	2.539	1.617	9.7	20.7	16 W	—	4*

189166 2002 TW_{226}

10 8	14 27.61	−11 5.0	2.793	1.919	12.0	21.5	24 E	6*	17*
10 18	14 50.10	−12 47.2	2.798	1.888	10.1	21.4	19 E	5*	13*
10 28	15 13.59	−14 23.3	2.795	1.857	8.2	21.2	16 E	4*	8*
11 7	15 38.08	−15 51.0	2.786	1.827	6.4	21.1	12 E	2*	4*
11 17	16 3.58	−17 8.4	2.770	1.797	4.5	21.0	8 E	1*	—
11 27	16 30.06	−18 13.2	2.749	1.769	2.9	20.8	5 E	—	—
12 7	16 57.44	−19 3.2	2.724	1.742	2.0	20.7	4 E	—	—
12 17	17 25.65	−19 36.6	2.695	1.716	2.8	20.7	5 W	—	—
12 27	17 54.53	−19 51.6	2.662	1.692	4.4	20.8	8 W	1*	—
1 6	18 23.92	−19 46.9	2.627	1.670	6.2	20.8	11 W	3*	2*
1 16	18 53.64	−19 22.0	2.590	1.650	8.0	20.8	14 W	4*	5*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
508774 1999 JE_1									
10 8	14 28.35	−19 58.3	1.418	0.692	40.6	21.4	27 E	—	21*
10 13	14 43.92	−22 16.0	1.329	0.618	45.5	21.1	26 E	—	20*
10 18	15 0.62	−24 33.6	1.227	0.546	52.8	20.9	26 E	—	19*
10 23	15 18.02	−26 43.0	1.111	0.481	63.6	20.7	26 E	—	19*
10 28	15 34.80	−28 27.5	0.981	0.428	79.1	20.7	25 E	—	18*
11 2	15 48.09	−29 16.4	0.842	0.398	100.1	21.1	23 E	—	17*
141670 2002 JS_{100}									
10 8	14 40.58	− 5 44.0	2.929	2.081	12.3	21.5	26 E	12*	18*
10 18	14 59.99	− 7 26.9	2.911	2.021	10.6	21.3	22 E	11*	13*
10 28	15 20.66	− 9 6.6	2.882	1.960	8.9	21.2	18 E	9*	8*
11 7	15 42.62	−10 41.4	2.844	1.899	7.3	21.0	14 E	7*	3*
11 17	16 5.98	−12 9.8	2.798	1.837	5.9	20.8	11 E	5*	—
11 27	16 30.77	−13 29.5	2.744	1.775	4.9	20.7	9 E	3*	—
12 7	16 57.05	−14 38.4	2.684	1.714	4.6	20.5	8 E	—	—
12 17	17 24.86	−15 34.2	2.620	1.653	5.0	20.4	8 W	2*	—
12 27	17 54.20	−16 14.3	2.553	1.593	6.1	20.3	10 W	4*	—
1 6	18 25.03	−16 36.2	2.485	1.535	7.4	20.2	12 W	5*	—
1 16	18 57.28	−16 37.5	2.418	1.479	8.9	20.2	13 W	6*	3*
415746 2000 JN_{10}									
10 8	14 42.17	−20 7.5	2.274	1.491	19.4	21.4	30 E	2*	24*
10 18	15 9.65	−23 21.3	2.261	1.447	18.3	21.3	27 E	—	21*
10 28	15 39.78	−26 24.0	2.244	1.407	17.3	21.2	25 E	—	19*
11 7	16 12.80	−29 9.2	2.226	1.371	16.5	21.1	23 E	—	17*
11 17	16 48.87	−31 29.1	2.209	1.341	15.9	21.0	22 E	—	16*
11 27	17 27.85	−33 15.2	2.193	1.317	15.4	21.0	21 E	—	15*
12 7	18 9.31	−34 18.8	2.181	1.300	15.0	20.9	20 E	—	14*
12 17	18 52.41	−34 32.8	2.175	1.290	14.8	20.9	20 E	—	13*
12 27	19 36.02	−33 53.7	2.177	1.288	14.4	20.9	19 E	—	13*
1 6	20 18.91	−32 22.4	2.186	1.293	14.0	20.9	19 E	—	13*
1 16	21 0.09	−30 4.1	2.205	1.306	13.5	20.9	18 E	—	12*
133043 2003 BC_{43}									
10 8	15 10.16	−15 36.6	2.489	1.760	18.8	21.5	35 E	9*	28*
10 18	15 33.86	−17 39.6	2.522	1.740	17.0	21.4	31 E	8*	24*
10 28	15 58.69	−19 32.0	2.547	1.721	15.1	21.3	27 E	7*	20*
11 7	16 24.64	−21 11.6	2.567	1.701	13.2	21.3	23 E	5*	16*
11 17	16 51.70	−22 36.3	2.581	1.682	11.3	21.2	19 E	4*	13*
11 27	17 19.80	−23 44.0	2.589	1.663	9.4	21.1	16 E	2*	9*
12 7	17 48.82	−24 32.7	2.592	1.644	7.4	21.0	12 E	1*	6*
12 17	18 18.64	−25 0.8	2.591	1.627	5.5	20.9	9 E	—	3*
12 27	18 49.06	−25 6.8	2.584	1.610	3.7	20.7	6 E	—	—
1 6	19 19.87	−24 50.2	2.574	1.594	2.2	20.6	4 E	—	—
1 16	19 50.85	−24 10.7	2.561	1.579	2.0	20.6	3 W	—	—
161551 2004 XO_{72}									
10 8	15 16.58	−20 14.8	2.977	2.264	15.5	21.5	37 E	7*	31*
10 18	15 35.71	−21 29.4	3.014	2.232	13.7	21.4	32 E	5*	26*
10 28	15 55.88	−22 38.7	3.040	2.200	11.8	21.3	27 E	4*	21*
11 7	16 17.07	−23 41.0	3.055	2.168	9.8	21.2	22 E	2*	16*
11 17	16 39.23	−24 34.7	3.060	2.135	7.8	21.1	17 E	1*	11*
11 27	17 2.32	−25 18.1	3.055	2.102	5.7	21.0	12 E	—	6*
12 7	17 26.26	−25 49.8	3.041	2.069	3.7	20.8	8 E	—	2*
12 17	17 50.98	−26 8.2	3.017	2.036	1.9	20.7	4 E	—	—
12 27	18 16.34	−26 12.1	2.985	2.004	1.6	20.6	3 W	—	—
1 6	18 42.22	−26 0.4	2.945	1.972	3.4	20.6	7 W	—	1*
1 16	19 8.51	−25 32.3	2.898	1.940	5.4	20.7	11 W	—	5*
433965 1999 SD_{10}									
10 8	15 17.22	−16 38.2	2.498	1.796	19.3	21.4	36 E	10*	30*
10 18	15 41.12	−18 26.6	2.492	1.737	18.0	21.3	33 E	8*	26*
10 28	16 6.94	−20 7.1	2.481	1.681	16.6	21.2	29 E	7*	22*
11 7	16 34.70	−21 36.1	2.465	1.627	15.2	21.1	25 E	6*	19*
11 17	17 4.42	−22 49.6	2.446	1.577	13.8	20.9	22 E	5*	16*
11 27	17 35.99	−23 43.3	2.425	1.532	12.5	20.8	20 E	5*	13*
12 7	18 9.22	−24 13.0	2.405	1.492	11.2	20.7	17 E	4*	10*
12 17	18 43.82	−24 15.1	2.387	1.457	9.9	20.6	15 E	3*	7*
12 27	19 19.37	−23 46.8	2.371	1.429	8.8	20.4	13 E	2*	5*
1 6	19 55.38	−22 47.1	2.361	1.408	7.7	20.4	11 E	1*	4*
1 16	20 31.37	−21 16.6	2.357	1.396	6.6	20.3	9 E	—	2*
284456 2007 FM_{28}									
10 8	15 29.21	−25 48.4	2.552	1.927	20.3	21.5	42 E	4*	36*
10 18	15 53.37	−26 52.4	2.590	1.900	18.6	21.4	38 E	3*	31*
10 28	16 18.75	−27 45.9	2.622	1.874	17.0	21.4	33 E	3*	27*
11 7	16 45.23	−28 26.3	2.647	1.849	15.2	21.3	29 E	2*	23*
11 17	17 12.71	−28 51.2	2.667	1.824	13.5	21.2	25 E	2*	19*
11 27	17 41.01	−28 58.6	2.681	1.801	11.7	21.1	22 E	1*	16*
12 7	18 9.92	−28 46.6	2.690	1.778	9.8	21.0	18 E	—	12*
12 17	18 39.23	−28 14.1	2.694	1.757	8.0	20.9	14 E	—	8*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
284456 2007 FM_{28} *(continuation)*									
12 27	19 8.67	−27 20.3	2.694	1.738	6.2	20.8	11 E	—	5*
1 6	19 38.01	−26 5.3	2.690	1.721	4.4	20.7	8 E	—	2*
1 16	20 7.07	−24 29.8	2.682	1.705	2.9	20.6	5 E	—	—
382394 3549 *P–L*									
10 8	15 56.74	−14 34.7	3.047	2.453	16.9	21.5	46 E	17*	38*
10 18	16 13.37	−15 13.8	3.094	2.414	15.3	21.4	40 E	15*	32*
10 28	16 31.00	−15 48.1	3.129	2.374	13.6	21.3	34 E	14*	26*
11 7	16 49.57	−16 16.2	3.153	2.334	11.8	21.3	29 E	13*	20*
11 17	17 9.02	−16 36.5	3.165	2.294	10.0	21.2	24 E	11*	14*
11 27	17 29.28	−16 47.7	3.165	2.254	8.1	21.0	19 E	9*	8*
12 7	17 50.27	−16 48.5	3.155	2.213	6.3	20.9	14 E	7*	3*
12 17	18 11.93	−16 37.7	3.135	2.173	4.6	20.8	10 E	4*	—
12 27	18 34.15	−16 14.4	3.104	2.133	3.5	20.6	8 E	1*	—
1 6	18 56.86	−15 37.7	3.064	2.093	3.4	20.6	7 W	1*	—
1 16	19 19.98	−14 47.3	3.017	2.054	4.6	20.6	10 W	4*	—
495829 1995 *LG*									
10 8	16 14.76	−12 33.7	1.441	1.102	43.8	21.4	50 E	21*	42*
10 18	16 27.75	−11 19.9	1.410	0.966	45.0	21.1	43 E	21*	34*
10 28	16 41.20	− 9 58.9	1.339	0.812	47.7	20.7	37 E	20*	26*
11 7	16 53.54	− 8 31.4	1.218	0.635	54.2	20.1	31 E	20*	18*
11 12	16 57.97	− 7 51.8	1.134	0.536	60.7	19.8	28 E	19*	13*
11 17	16 59.20	− 7 31.0	1.032	0.431	72.1	19.5	25 E	17*	8*
11 22	16 52.90	− 8 15.3	0.912	0.325	93.7	19.4	19 E	13*	2*
11 27	16 29.88	−12 25.1	0.801	0.239	135.9	21.5	10 E	3*	—
436030 2009 JO_2									
10 8	16 49.65	− 4 28.3	0.986	0.970	61.4	21.4	58 E	32*	45*
10 13	17 0.39	− 5 51.4	0.968	0.929	63.4	21.3	56 E	31*	44*
10 18	17 11.30	− 7 17.8	0.945	0.887	65.8	21.2	54 E	29*	42*
10 23	17 22.27	− 8 49.2	0.917	0.842	68.8	21.2	52 E	28*	40*
10 28	17 33.10	−10 27.9	0.882	0.795	72.4	21.1	50 E	26*	38*
11 2	17 43.50	−12 17.1	0.842	0.747	77.0	21.0	47 E	24*	36*
11 7	17 53.01	−14 21.5	0.797	0.697	82.8	20.9	44 E	22*	34*
11 12	18 0.84	−16 47.6	0.746	0.648	90.2	20.9	41 E	19*	31*
11 17	18 5.69	−19 43.2	0.693	0.599	99.6	21.0	37 E	16*	28*
11 22	18 5.49	−23 16.1	0.639	0.554	111.7	21.3	31 E	11*	24*
408792 2000 GF_2									
10 8	18 3.95	−20 49.3	0.444	0.991	78.1	21.4	76 E	23*	69*
10 13	18 41.94	−22 24.2	0.446	1.019	74.6	21.4	80 E	22*	73*
10 18	19 19.87	−23 23.7	0.456	1.048	70.9	21.4	83 E	22*	77*
10 23	19 56.58	−23 46.5	0.473	1.077	67.2	21.4	87 E	21	80*
10 28	20 31.09	−23 36.0	0.497	1.107	63.8	21.5	90 E	21	82*
163191 2002 EQ_9									
10 18	2 27.03	− 0 4.5	1.671	2.641	6.3	23.1	163 W	45	64
10 23	2 21.24	− 0 57.3	1.672	2.647	5.4	23.1	166 W	44	65
10 28	2 15.36	− 1 46.6	1.681	2.653	5.5	23.1	165 W	43	66
11 2	2 9.54	− 2 31.5	1.697	2.659	6.6	23.2	162 E	42	67
11 7	2 3.93	− 3 11.0	1.721	2.664	8.2	23.3	158 E	42	67
11 12	1 58.66	− 3 44.6	1.751	2.668	9.9	23.4	152 E	41	68
11 17	1 53.85	− 4 11.8	1.789	2.672	11.7	23.5	147 E	41	68
504181 2006 *TC*									
10 18	2 29.38	−11 32.3	1.968	2.899	8.5	23.1	154 W	33	76
10 23	2 21.52	−12 20.4	1.974	2.907	8.3	23.1	155 W	33	76
10 28	2 13.59	−13 2.3	1.989	2.914	8.6	23.1	154 W	32	77
11 2	2 5.76	−13 37.0	2.012	2.920	9.5	23.2	151 E	31	78
11 7	1 58.18	−14 4.3	2.043	2.925	10.6	23.3	147 E	31	78
11 12	1 51.00	−14 23.8	2.081	2.930	11.9	23.3	143 E	31	78
11 17	1 44.35	−14 35.8	2.127	2.933	13.1	23.4	138 E	30	79
20461 Dioretsa									
10 18	2 29.50	− 6 30.6	31.085	32.014	0.7	28.9	158 W	38	71
10 28	2 28.22	− 6 37.7	31.102	32.036	0.6	28.9	160 W	38	71
11 7	2 26.93	− 6 43.7	31.147	32.058	0.7	28.9	156 E	38	71
11 17	2 25.66	− 6 48.3	31.221	32.079	0.9	28.9	150 E	38	71
11 27	2 24.45	− 6 51.4	31.322	32.101	1.1	29.0	142 E	38	71
451297 2010 TK_{54}									
10 18	2 32.29	+22 30.6	1.379	2.342	8.1	22.3	161 W	68	41
10 23	2 22.62	+22 45.5	1.384	2.363	5.7	22.2	166 W	68	41
10 28	2 12.89	+22 54.7	1.397	2.382	4.1	22.2	170 W	68	41
11 2	2 3.38	+22 58.6	1.419	2.402	4.2	22.2	170 E	68	41
11 7	1 54.32	+22 58.2	1.448	2.420	5.9	22.4	165 E	68	41
11 12	1 45.93	+22 54.2	1.485	2.438	8.1	22.6	160 E	68	41
11 17	1 38.39	+22 47.9	1.530	2.456	10.3	22.7	154 E	68	41

385571 Otrera

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 18	2 35.31	+15 22.2	28.377	29.334	0.6	23.5	163 W	60	49
10 28	2 34.21	+15 17.1	28.346	29.334	0.2	23.5	174 W	60	49
11 7	2 33.09	+15 11.9	28.345	29.334	0.1	23.4	176 E	60	49
11 17	2 31.98	+15 6.7	28.375	29.334	0.5	23.5	166 E	60	49
11 27	2 30.94	+15 1.8	28.435	29.334	0.8	23.5	155 E	60	49

385695 2005 TO_{74}

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 18	2 38.34	+11 1.3	28.658	29.615	0.5	23.0	164 W	56	53
10 28	2 37.27	+10 55.7	28.628	29.614	0.2	23.0	173 W	56	53
11 7	2 36.18	+10 50.3	28.627	29.612	0.2	23.0	174 E	56	53
11 17	2 35.11	+10 45.2	28.657	29.611	0.5	23.0	164 E	56	53
11 27	2 34.09	+10 40.6	28.717	29.609	0.8	23.1	154 E	56	53

483566 2004 BE_{85}

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 18	2 40.85	+43 23.2	2.515	3.364	10.3	23.1	143 W	88	21
10 23	2 35.45	+43 11.1	2.468	3.345	9.4	23.0	147 W	88	21
10 28	2 29.74	+42 52.3	2.428	3.326	8.6	22.9	150 W	88	21
11 2	2 23.84	+42 26.6	2.395	3.306	8.0	22.9	152 E	87	22
11 7	2 17.90	+41 54.2	2.369	3.286	7.7	22.8	153 E	87	22
11 12	2 12.09	+41 15.5	2.350	3.266	7.8	22.8	153 E	86	23
11 17	2 6.54	+40 31.1	2.338	3.245	8.2	22.8	152 E	86	23

506504 2004 BT_{68}

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 18	2 43.86	+47 38.7	1.941	2.772	13.6	22.4	139 W	87	16
10 23	2 37.71	+47 35.1	1.902	2.758	12.7	22.3	142 W	87	16
10 28	2 31.10	+47 22.4	1.868	2.745	11.8	22.3	145 W	88	17
11 2	2 24.24	+47 0.3	1.840	2.731	11.2	22.2	148 E	88	17
11 7	2 17.33	+46 28.9	1.819	2.717	10.8	22.1	149 E	89	18
11 12	2 10.60	+45 48.6	1.804	2.703	10.8	22.1	149 E	89	18
11 17	2 4.27	+45 0.0	1.795	2.688	11.1	22.1	148 E	90	19
11 22	1 58.53	+44 4.6	1.793	2.673	11.7	22.1	147 E	89	20
11 27	1 53.55	+43 3.7	1.797	2.658	12.7	22.1	144 E	88	21

509018 2005 NE_1

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 18	2 45.11	+19 50.0	2.879	3.828	5.2	23.1	160 W	65	44
10 28	2 36.81	+19 17.9	2.838	3.823	2.3	22.9	171 W	64	45
11 7	2 28.14	+18 39.9	2.829	3.816	1.4	22.9	174 E	64	45
11 17	2 19.79	+17 59.2	2.851	3.809	4.3	23.1	163 E	63	46
11 27	2 12.42	+17 19.4	2.904	3.801	7.1	23.2	152 E	62	47

329395 2002 AC

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 18	2 46.60	−19 40.5	2.851	3.715	8.8	23.6	145 W	25	84
10 23	2 41.36	−19 57.9	2.847	3.715	8.6	23.6	146 W	25	84
10 28	2 35.97	−20 10.1	2.849	3.715	8.6	23.6	146 W	25	84
11 2	2 30.52	−20 16.9	2.859	3.715	8.8	23.6	145 W	25	84
11 7	2 25.11	−20 17.9	2.875	3.715	9.2	23.7	143 E	25	84
11 12	2 19.85	−20 13.2	2.899	3.714	9.8	23.7	140 E	25	84
11 17	2 14.81	−20 2.6	2.929	3.713	10.5	23.7	137 E	25	84
11 22	2 10.08	−19 46.6	2.966	3.711	11.2	23.8	133 E	25	84

495832 2000 JV_{60}

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 18	2 47.48	+20 7.1	3.615	4.559	4.5	24.3	159 W	65	44
10 28	2 40.51	+19 31.1	3.558	4.540	2.1	24.1	170 W	65	44
11 7	2 33.17	+18 50.1	3.533	4.521	1.0	24.0	175 E	64	45
11 17	2 25.99	+18 6.5	3.540	4.501	3.3	24.1	165 E	63	46
11 27	2 19.48	+17 23.3	3.578	4.481	5.7	24.3	153 E	62	47

459458 2012 XR_{134}

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 18	2 51.40	+15 59.6	2.547	3.498	5.7	23.7	160 W	61	48
10 28	2 40.54	+14 57.0	2.494	3.481	2.2	23.4	172 W	60	49
11 7	2 29.12	+13 49.3	2.474	3.462	1.5	23.4	175 E	59	50
11 17	2 18.01	+12 41.3	2.489	3.441	5.2	23.6	162 E	58	51
11 27	2 8.06	+11 38.2	2.535	3.418	8.6	23.8	149 E	57	52

496013 2008 EL_6

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 18	2 55.79	+ 3 5.8	1.607	2.559	8.3	24.4	158 W	48	61
10 23	2 49.95	+ 2 14.5	1.591	2.558	6.6	24.3	163 W	47	62
10 28	2 43.78	+ 1 24.8	1.583	2.557	5.5	24.3	166 W	46	63
11 2	2 37.44	+ 0 37.9	1.582	2.555	5.5	24.3	166 W	46	63
11 7	2 31.09	− 0 5.1	1.589	2.553	6.5	24.3	163 E	45	64
11 12	2 24.89	− 0 43.3	1.603	2.551	8.1	24.4	159 E	44	65
11 17	2 19.02	− 1 16.0	1.625	2.548	10.0	24.5	153 E	44	65
11 22	2 13.60	− 1 42.4	1.654	2.544	12.0	24.6	148 E	43	66

26166 1995 QN_3

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 18	2 55.86	+ 5 45.8	3.500	4.443	4.6	23.2	159 W	51	58
10 28	2 48.71	+ 4 56.6	3.506	4.481	2.8	23.1	167 W	50	59
11 7	2 41.37	+ 4 11.8	3.545	4.518	2.7	23.1	168 E	49	60
11 17	2 34.31	+ 3 34.0	3.615	4.554	4.4	23.3	159 E	49	60
11 27	2 28.01	+ 3 5.2	3.716	4.590	6.4	23.4	149 E	48	61

230118 2001 DB_3

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 18	2 57.31	+47 16.5	3.212	4.010	9.5	23.4	138 W	88	17
10 23	2 51.69	+47 20.7	3.189	4.019	8.8	23.3	142 W	88	17
10 28	2 45.79	+47 19.4	3.174	4.028	8.1	23.3	145 W	88	17
11 2	2 39.75	+47 12.4	3.164	4.036	7.6	23.3	147 W	88	17
11 7	2 33.68	+47 0.0	3.162	4.045	7.2	23.3	149 E	88	17
11 12	2 27.73	+46 42.3	3.167	4.053	7.1	23.3	150 E	88	17
11 17	2 22.01	+46 19.7	3.179	4.061	7.1	23.3	149 E	89	18
11 22	2 16.64	+45 52.9	3.198	4.068	7.4	23.3	148 E	89	18

410832 2009 QO_8

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 18	2 59.73	+63 58.8	1.823	2.513	19.3	23.5	123 W	71	—
10 23	2 47.89	+64 38.6	1.801	2.516	18.7	23.4	126 W	70	—
10 28	2 34.78	+65 4.9	1.784	2.519	18.2	23.4	128 W	70	—
11 2	2 20.92	+65 16.3	1.771	2.521	17.7	23.4	129 E	70	—
11 7	2 6.90	+65 12.5	1.763	2.523	17.4	23.4	131 E	70	—
11 12	1 53.37	+64 53.6	1.761	2.524	17.2	23.3	131 E	70	—
11 17	1 40.92	+64 20.9	1.763	2.525	17.2	23.3	131 E	71	—

457647 2009 CZ

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 18	3 1.54	+13 55.7	2.655	3.597	6.0	23.3	158 W	59	50
10 28	2 50.63	+13 31.2	2.644	3.626	2.7	23.1	170 W	59	50
11 7	2 39.36	+13 4.8	2.665	3.655	1.1	23.0	176 E	58	51
11 17	2 28.54	+12 39.5	2.721	3.681	4.3	23.3	164 E	58	51
11 27	2 18.93	+12 18.3	2.808	3.706	7.3	23.5	152 E	57	52

388185 2006 CX_{10}

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 18	3 6.33	+26 8.0	2.961	3.870	6.9	23.5	152 W	71	38
10 28	2 56.50	+26 12.2	2.904	3.865	4.3	23.3	163 W	71	38
11 7	2 45.89	+26 6.1	2.879	3.859	2.5	23.2	170 E	71	38
11 17	2 35.26	+25 51.1	2.886	3.851	3.6	23.3	166 E	71	38
11 27	2 25.44	+25 29.8	2.925	3.843	6.2	23.4	155 E	70	39

509895 2009 BT_{178}

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 18	3 7.45	+53 3.3	3.020	3.765	11.3	22.9	132 W	82	11
10 23	3 1.58	+53 17.0	2.983	3.760	10.6	22.8	136 W	82	11
10 28	2 55.24	+53 24.4	2.951	3.755	10.1	22.8	139 W	82	11
11 2	2 48.57	+53 25.2	2.926	3.750	9.6	22.7	141 W	82	11
11 7	2 41.74	+53 19.2	2.906	3.745	9.2	22.7	143 E	82	11
11 12	2 34.90	+53 6.4	2.893	3.739	9.0	22.7	144 E	82	11
11 17	2 28.24	+52 46.9	2.887	3.733	8.9	22.7	144 E	82	11
11 22	2 21.93	+52 21.4	2.887	3.727	9.1	22.7	143 E	83	12

85938 1999 DJ_4

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 18	3 9.91	+23 9.4	1.815	2.740	9.5	22.7	153 W	68	41
10 23	3 3.91	+23 2.1	1.785	2.737	7.5	22.6	159 W	68	41
10 28	2 57.45	+22 51.1	1.762	2.734	5.4	22.5	165 W	68	41
11 2	2 50.66	+22 36.6	1.746	2.730	3.4	22.3	171 W	68	41
11 7	2 43.71	+22 18.9	1.738	2.725	2.2	22.2	174 E	67	42
11 12	2 36.77	+21 58.5	1.738	2.720	3.2	22.3	171 E	67	42
11 17	2 30.04	+21 36.0	1.745	2.715	5.1	22.4	166 E	67	42
11 22	2 23.68	+21 12.5	1.761	2.709	7.3	22.5	160 E	66	43

415794 2001 BR_{32}

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 18	3 11.58	−18 11.5	3.061	3.902	8.9	22.1	143 W	27	82
10 23	3 7.87	−18 43.1	3.050	3.903	8.5	22.1	144 W	26	83
10 28	3 3.94	−19 10.5	3.046	3.902	8.4	22.1	145 W	26	83
11 2	2 59.85	−19 33.2	3.048	3.902	8.4	22.1	145 W	25	84
11 7	2 55.68	−19 50.9	3.057	3.901	8.6	22.1	144 W	25	84
11 12	2 51.52	−20 3.2	3.073	3.901	9.0	22.1	142 E	25	84
11 17	2 47.43	−20 9.9	3.094	3.900	9.5	22.1	140 E	25	84
11 22	2 43.51	−20 11.1	3.122	3.898	10.0	22.2	136 E	25	84
11 27	2 39.83	−20 6.8	3.156	3.897	10.7	22.2	133 E	25	84
12 2	2 36.45	−19 57.2	3.195	3.895	11.3	22.3	129 E	25	84
12 7	2 33.41	−19 42.7	3.239	3.893	11.9	22.3	125 E	25	84

313329 2002 FH_5

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 18	3 16.53	+ 6 35.2	2.060	2.987	8.4	21.4	154 W	52	57
10 28	3 7.42	+ 5 50.9	2.017	2.985	5.2	21.2	164 W	51	58
11 7	2 57.29	+ 5 11.1	2.004	2.982	3.7	21.1	169 W	50	59
11 17	2 47.07	+ 4 40.2	2.021	2.978	5.8	21.3	162 E	50	59
11 27	2 37.75	+ 4 21.8	2.067	2.973	9.1	21.5	152 E	49	60
12 7	2 30.12	+ 4 17.9	2.140	2.966	12.2	21.6	140 E	49	60

141354 2002 AJ_{29}

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 18	3 21.08	+13 7.0	1.850	2.774	9.4	21.5	153 W	58	51
10 28	3 11.26	+11 50.3	1.783	2.755	5.4	21.2	165 W	57	52
11 7	2 59.98	+10 29.3	1.746	2.733	2.3	21.0	174 W	55	54
11 17	2 48.34	+ 9 10.4	1.740	2.710	5.1	21.1	166 E	54	55
11 27	2 37.56	+ 8 0.8	1.765	2.686	9.4	21.3	154 E	53	56
12 7	2 28.65	+ 7 6.2	1.816	2.659	13.3	21.5	142 E	52	57

440760 2006 EX_{41}

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 18	3 21.42	+51 17.3	2.745	3.498	12.1	22.0	133 W	84	13
10 23	3 15.43	+51 36.5	2.718	3.505	11.3	22.0	136 W	83	12
10 28	3 8.91	+51 49.3	2.698	3.513	10.6	22.0	139 W	83	12
11 2	3 2.01	+51 55.2	2.683	3.520	9.9	21.9	142 W	83	12
11 7	2 54.89	+51 53.9	2.674	3.527	9.4	21.9	144 W	83	12
11 12	2 47.75	+51 45.5	2.672	3.534	9.1	21.9	146 E	83	12
11 17	2 40.76	+51 30.2	2.677	3.541	9.0	21.9	146 E	83	12
11 22	2 34.11	+51 8.6	2.688	3.547	9.1	21.9	146 E	84	13
11 27	2 27.96	+50 41.5	2.706	3.553	9.4	21.9	144 E	84	13
12 2	2 22.42	+50 9.7	2.731	3.559	9.8	22.0	142 E	85	14
12 7	2 17.60	+49 34.5	2.762	3.565	10.4	22.0	139 E	85	14

469359 2001 HX_{13}

10 18	3 23.22	+16 14.2	1.611	2.535	10.6	22.2	152 W	61	48
10 23	3 18.41	+15 48.8	1.603	2.553	8.3	22.1	158 W	61	48
10 28	3 13.22	+15 21.9	1.601	2.572	5.9	22.0	164 W	60	49
11 2	3 7.78	+14 54.2	1.606	2.590	3.5	21.9	171 W	60	49
11 7	3 2.26	+14 26.4	1.618	2.608	1.4	21.8	176 W	59	50
11 12	2 56.81	+13 59.1	1.638	2.626	1.8	21.9	175 E	59	50
11 17	2 51.58	+13 33.0	1.665	2.643	4.0	22.1	169 E	59	50
11 22	2 46.72	+13 8.9	1.700	2.660	6.2	22.3	163 E	58	51
11 27	2 42.34	+12 47.5	1.741	2.677	8.3	22.4	157 E	58	51

430713 2004 EN_{9}

10 18	3 23.42	+ 6 58.9	0.973	1.912	14.0	21.6	152 W	52	57
10 23	3 17.82	+ 6 36.2	0.954	1.913	11.2	21.5	158 W	52	57
10 28	3 11.47	+ 6 14.6	0.941	1.914	8.6	21.4	163 W	51	58
11 2	3 4.59	+ 5 55.3	0.934	1.915	6.4	21.3	168 W	51	58
11 7	2 57.42	+ 5 39.0	0.933	1.916	5.6	21.2	169 W	51	58
11 12	2 50.23	+ 5 26.9	0.939	1.916	6.7	21.3	167 E	50	59
11 17	2 43.29	+ 5 19.6	0.950	1.916	9.0	21.4	162 E	50	59
11 22	2 36.87	+ 5 17.9	0.968	1.916	11.8	21.6	157 E	50	59
11 27	2 31.17	+ 5 21.9	0.992	1.915	14.5	21.7	151 E	50	59
12 2	2 26.35	+ 5 31.8	1.020	1.914	17.1	21.9	145 E	51	58
12 7	2 22.51	+ 5 47.2	1.054	1.913	19.5	22.0	140 E	51	58

285331 1999 FN_{53}

10 18	3 28.26	+13 24.3	1.469	2.391	11.6	21.7	151 W	58	51
10 28	3 13.55	+13 29.4	1.442	2.414	6.3	21.5	165 W	58	51
11 7	2 57.38	+13 31.2	1.445	2.435	1.4	21.2	177 W	59	50
11 17	2 41.45	+13 32.2	1.480	2.453	5.1	21.5	167 E	59	50
11 27	2 27.42	+13 36.1	1.545	2.470	10.1	21.9	154 E	59	50
12 7	2 16.41	+13 46.7	1.637	2.484	14.3	22.2	141 E	59	50

373503 2001 CK_{42}

10 18	3 30.00	+31 5.9	0.907	1.817	18.3	22.0	145 W	76	33
10 23	3 21.91	+31 31.9	0.883	1.818	15.4	21.9	151 W	77	32
10 28	3 12.64	+31 49.3	0.865	1.819	12.6	21.7	156 W	77	32
11 2	3 2.46	+31 57.0	0.852	1.820	10.1	21.6	161 W	77	32
11 7	2 51.76	+31 54.2	0.845	1.819	8.5	21.5	164 W	77	32
11 12	2 40.97	+31 41.0	0.845	1.818	8.3	21.5	165 E	77	32
11 17	2 30.55	+31 18.5	0.851	1.817	9.8	21.6	162 E	76	33
11 22	2 20.93	+30 48.6	0.864	1.815	12.2	21.7	157 E	76	33
11 27	2 12.44	+30 13.7	0.882	1.812	15.0	21.9	152 E	75	34
12 2	2 5.30	+29 36.5	0.906	1.809	17.8	22.0	146 E	75	34
12 7	1 59.64	+28 59.3	0.934	1.805	20.4	22.1	140 E	74	35

333309 2001 FR_{116}

10 18	3 33.27	+ 8 25.8	2.041	2.946	9.7	22.0	150 W	53	56
10 28	3 25.00	+ 7 34.2	1.998	2.955	6.4	21.8	161 W	53	56
11 7	3 15.48	+ 6 45.6	1.984	2.962	3.8	21.7	169 W	52	57
11 17	3 5.63	+ 6 4.5	2.000	2.968	4.7	21.8	166 E	51	58
11 27	2 56.41	+ 5 35.0	2.045	2.973	7.8	22.0	156 E	51	58
12 7	2 48.69	+ 5 19.6	2.117	2.978	11.0	22.2	145 E	50	59

455736 2005 HC_{3}

10 18	3 38.48	−23 41.1	1.903	2.697	15.3	22.2	135 W	21	88
10 23	3 33.07	−24 9.4	1.882	2.692	14.7	22.1	137 W	21	88
10 28	3 27.12	−24 30.4	1.866	2.687	14.3	22.1	138 W	20	89
11 2	3 20.75	−24 43.0	1.856	2.682	14.2	22.1	139 W	20	89
11 7	3 14.11	−24 46.4	1.852	2.676	14.2	22.1	139 W	20	89
11 12	3 7.36	−24 40.1	1.854	2.670	14.5	22.1	138 E	20	89
11 17	3 0.67	−24 23.7	1.862	2.664	14.9	22.1	136 E	21	88
11 22	2 54.21	−23 57.4	1.876	2.657	15.6	22.1	134 E	21	88
11 27	2 48.13	−23 21.7	1.895	2.650	16.3	22.2	131 E	22	87
12 2	2 42.57	−22 37.4	1.919	2.642	17.1	22.2	128 E	22	87
12 7	2 37.61	−21 45.2	1.949	2.634	18.0	22.3	124 E	23	86

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°

500080 2011 WV_{134}

10 18	3 40.87	+11 23.8	2.115	3.008	10.0	21.8	148 W	56	53
10 28	3 32.54	+10 30.0	1.992	2.943	6.8	21.4	160 W	56	53
11 7	3 22.10	+ 9 31.9	1.896	2.877	3.6	21.1	170 W	55	54
11 17	3 10.31	+ 8 33.7	1.832	2.808	4.0	21.0	169 E	54	55
11 27	2 58.25	+ 7 41.0	1.799	2.738	7.9	21.1	158 E	53	56
12 7	2 47.08	+ 6 59.2	1.795	2.666	12.1	21.2	145 E	52	57
12 17	2 37.83	+ 6 32.6	1.816	2.592	16.0	21.3	133 E	52	57
12 27	2 31.24	+ 6 23.5	1.856	2.516	19.4	21.4	122 E	51	58

380524 2004 GY

10 18	3 43.86	+ 8 8.1	0.820	1.744	17.9	21.8	147 W	53	56
10 28	3 24.79	+ 9 47.6	0.782	1.752	10.4	21.4	161 W	55	54
11 7	3 1.92	+11 36.1	0.769	1.758	3.1	21.1	174 W	57	52
11 17	2 38.43	+13 25.9	0.785	1.762	7.5	21.3	166 E	58	51
11 27	2 17.84	+15 11.4	0.829	1.764	15.1	21.8	152 E	60	49
12 7	2 2.50	+16 51.5	0.896	1.763	21.4	22.1	139 E	62	47

89136 2001 US_{16}

10 18	3 46.31	+16 52.3	0.724	1.649	19.5	21.6	147 W	62	47
10 23	3 39.36	+16 17.0	0.707	1.657	15.7	21.4	153 W	61	48
10 28	3 31.27	+15 37.7	0.695	1.664	11.7	21.2	160 W	61	48
11 2	3 22.34	+14 55.3	0.688	1.670	7.6	21.0	167 W	60	49
11 7	3 12.92	+14 11.1	0.688	1.676	3.6	20.9	174 W	59	50
11 12	3 3.41	+13 26.9	0.693	1.681	2.6	20.8	176 E	58	51
11 17	2 54.21	+12 44.5	0.704	1.686	6.2	21.1	169 E	58	51
11 22	2 45.72	+12 6.0	0.721	1.690	10.1	21.3	162 E	57	52
11 27	2 38.24	+11 33.0	0.744	1.693	13.9	21.5	156 E	57	52
12 2	2 31.96	+11 6.4	0.772	1.695	17.4	21.7	149 E	56	53
12 7	2 27.00	+10 47.0	0.805	1.697	20.6	21.9	143 E	56	53

327172 2005 JC_{89}

10 18	3 51.57	+17 46.3	1.817	2.695	12.2	22.0	145 W	63	46
10 28	3 42.61	+17 31.1	1.777	2.720	8.1	21.8	157 W	63	46
11 7	3 31.94	+17 10.7	1.764	2.745	3.7	21.6	170 W	62	47
11 17	3 20.63	+16 47.4	1.780	2.768	1.1	21.4	177 E	62	47
11 27	3 9.91	+16 24.9	1.827	2.791	5.4	21.8	165 E	61	48
12 7	3 0.82	+16 6.9	1.902	2.812	9.4	22.1	152 E	61	48

523804 2000 YF_{29}

10 18	3 53.69	+ 3 57.2	0.613	1.537	22.2	21.2	144 W	49	60
10 23	3 51.79	+ 2 53.9	0.570	1.511	19.9	21.0	149 W	48	61
10 28	3 48.46	+ 1 46.0	0.530	1.485	17.6	20.7	153 W	47	62
11 2	3 43.64	+ 0 34.9	0.493	1.459	15.5	20.4	157 W	46	63
11 7	3 37.33	− 0 37.5	0.461	1.432	14.1	20.2	159 W	44	65
11 12	3 29.59	− 1 48.3	0.433	1.405	14.0	20.0	160 W	43	66
11 17	3 20.61	− 2 54.3	0.410	1.377	15.6	19.9	158 E	42	67
11 22	3 10.73	− 3 51.4	0.390	1.349	18.7	19.9	154 E	41	68
11 27	3 0.37	− 4 36.3	0.374	1.321	22.7	19.9	149 E	40	69
12 2	2 50.00	− 5 6.1	0.362	1.293	27.3	19.9	143 E	40	69
12 7	2 40.07	− 5 18.8	0.352	1.265	32.2	19.9	137 E	40	69
12 12	2 31.00	− 5 13.6	0.345	1.237	37.2	20.0	131 E	40	69
12 17	2 23.15	− 4 50.2	0.339	1.209	42.1	20.0	125 E	40	69
12 22	2 16.76	− 4 9.5	0.334	1.181	46.9	20.1	119 E	41	68
12 27	2 11.93	− 3 12.9	0.330	1.154	51.5	20.1	113 E	42	67
1 1	2 8.64	− 2 1.9	0.325	1.128	55.9	20.2	108 E	43	66
1 6	2 6.82	− 0 37.6	0.320	1.102	60.2	20.2	103 E	44	64*
1 11	2 6.37	+ 0 59.2	0.313	1.077	64.4	20.2	99 E	46	61*
1 16	2 7.17	+ 2 48.2	0.306	1.054	68.4	20.2	95 E	48	58*

523694 2014 GF_{50}

10 18	3 54.29	+ 4 55.7	0.654	1.575	21.6	21.8	144 W	50	59
10 23	3 47.77	+ 4 49.6	0.647	1.589	18.1	21.7	150 W	50	59
10 28	3 40.19	+ 4 46.9	0.643	1.603	14.5	21.6	156 W	50	59
11 2	3 31.84	+ 4 48.6	0.645	1.617	11.1	21.5	162 W	50	59
11 7	3 23.07	+ 4 55.1	0.652	1.631	8.5	21.4	166 W	50	59
11 12	3 14.25	+ 5 6.9	0.664	1.644	7.6	21.4	167 W	50	59
11 17	3 5.76	+ 5 24.2	0.682	1.658	8.8	21.6	165 E	50	59
11 22	2 57.97	+ 5 46.9	0.706	1.670	11.2	21.8	161 E	51	58
11 27	2 51.13	+ 6 14.8	0.735	1.683	14.1	22.0	155 E	51	58
12 2	2 45.43	+ 6 47.3	0.768	1.695	17.0	22.2	150 E	52	57
12 7	2 40.96	+ 7 23.7	0.807	1.707	19.7	22.4	144 E	52	57

447903 2007 XJ_{20}

10 18	3 55.21	+17 32.3	1.641	2.518	13.3	22.4	144 W	63	46
10 28	3 43.57	+17 16.7	1.540	2.486	9.0	22.0	157 W	62	47
11 7	3 28.85	+16 52.6	1.468	2.450	3.8	21.6	170 W	62	47
11 17	3 12.24	+16 21.5	1.426	2.412	2.0	21.4	175 E	61	48
11 27	2 55.46	+15 47.5	1.416	2.372	7.7	21.7	161 E	61	48
12 7	2 40.34	+15 16.5	1.437	2.328	13.2	21.9	147 E	60	49

370491 2003 *SE*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 18	4 0.05	+12 59.5	1.676	2.547	13.4	21.4	144 W	58	51
10 28	3 51.88	+12 7.6	1.636	2.572	9.4	21.2	155 W	57	52
11 7	3 41.81	+11 15.1	1.622	2.595	5.2	21.1	166 W	56	53
11 17	3 30.90	+10 26.6	1.636	2.618	3.2	21.0	171 W	55	54
11 27	3 20.40	+ 9 47.2	1.679	2.639	6.2	21.2	163 E	55	54
12 7	3 11.42	+ 9 20.7	1.751	2.660	10.1	21.5	152 E	54	55
12 17	3 4.72	+ 9 9.0	1.847	2.680	13.5	21.8	140 E	54	55

471545 2012 KC_{13}

10 18	4 13.90	+18 1.9	1.495	2.346	15.9	21.5	140 W	63	46
10 28	4 6.00	+17 45.5	1.458	2.380	11.4	21.3	152 W	63	46
11 7	3 55.69	+17 24.0	1.445	2.413	6.5	21.1	164 W	62	47
11 17	3 44.14	+16 59.8	1.458	2.446	1.6	20.9	176 W	62	47
11 27	3 32.82	+16 36.3	1.500	2.478	4.1	21.1	170 E	62	47
12 7	3 23.03	+16 17.8	1.571	2.509	8.7	21.5	157 E	61	48
12 17	3 15.70	+16 7.5	1.666	2.540	12.7	21.8	146 E	61	48

430587 2002 RL_{137}

10 18	4 19.87	+52 43.5	1.196	1.948	24.7	22.4	125 W	82	11
10 23	4 14.82	+53 48.1	1.168	1.953	23.4	22.3	129 W	81	10
10 28	4 7.99	+54 44.2	1.144	1.957	22.0	22.2	132 W	80	9
11 2	3 59.47	+55 29.6	1.124	1.960	20.7	22.1	136 W	80	9
11 7	3 49.49	+56 1.8	1.108	1.964	19.5	22.1	139 W	79	8
11 12	3 38.41	+56 18.8	1.096	1.967	18.5	22.0	141 W	79	8
11 17	3 26.75	+56 19.2	1.090	1.970	17.7	22.0	143 E	79	8
11 22	3 15.13	+56 2.9	1.089	1.972	17.3	22.0	143 E	79	8
11 27	3 4.15	+55 30.6	1.093	1.974	17.4	22.0	143 E	79	8
12 2	2 54.30	+54 44.5	1.102	1.976	17.8	22.0	142 E	80	9
12 7	2 45.95	+53 47.2	1.116	1.978	18.5	22.1	140 E	81	10
12 12	2 39.32	+52 41.5	1.135	1.979	19.5	22.1	138 E	82	11

468436 2001 WO_4

10 18	4 28.14	+25 58.6	1.126	1.963	20.9	21.3	135 W	71	38
10 28	4 25.17	+25 8.3	1.032	1.937	16.7	20.9	146 W	70	39
11 7	4 18.07	+23 55.6	0.957	1.911	11.3	20.5	158 W	69	40
11 17	4 7.53	+22 20.0	0.903	1.885	4.9	20.1	171 W	67	42
11 22	4 1.44	+21 25.0	0.885	1.872	1.5	19.8	177 W	66	43
11 27	3 55.15	+20 26.6	0.873	1.859	2.1	19.8	176 E	65	44
12 2	3 48.94	+19 26.7	0.868	1.845	5.7	20.0	169 E	64	45
12 7	3 43.09	+18 26.9	0.868	1.832	9.2	20.1	163 E	63	46
12 12	3 37.85	+17 29.1	0.875	1.819	12.7	20.3	156 E	62	47
12 17	3 33.44	+16 35.1	0.887	1.806	15.9	20.4	150 E	62	47
12 22	3 30.02	+15 46.4	0.903	1.793	19.0	20.5	144 E	61	48
12 27	3 27.70	+15 4.0	0.924	1.780	21.8	20.6	138 E	60	49
1 1	3 26.50	+14 28.4	0.949	1.767	24.3	20.8	132 E	59	50
1 6	3 26.45	+13 59.9	0.977	1.755	26.6	20.9	127 E	59	50
1 11	3 27.51	+13 38.1	1.007	1.742	28.6	21.0	122 E	59	50
1 16	3 29.66	+13 23.0	1.039	1.730	30.3	21.1	118 E	58	51

476003 2007 RP_{56}

10 18	4 38.07	+ 6 21.6	1.906	2.693	15.5	21.4	134 W	51	58
10 28	4 32.07	+ 4 58.1	1.866	2.733	12.3	21.3	144 W	50	59
11 7	4 23.92	+ 3 40.2	1.849	2.772	9.2	21.2	154 W	49	60
11 17	4 14.38	+ 2 33.4	1.859	2.810	6.8	21.1	160 W	48	61
11 27	4 4.47	+ 1 42.9	1.897	2.847	6.6	21.2	161 E	47	62
12 7	3 55.21	+ 1 11.8	1.965	2.883	8.6	21.4	154 E	46	63
12 17	3 47.44	+ 1 0.9	2.058	2.919	11.2	21.6	145 E	46	63

26310 1998 TX_6

10 18	4 43.74	+19 18.6	0.958	1.790	24.1	21.4	133 W	64	45
10 28	4 34.04	+18 11.0	0.948	1.851	17.9	21.3	145 W	63	46
11 7	4 20.85	+16 58.0	0.957	1.912	11.2	21.1	158 W	62	47
11 17	4 6.03	+15 45.4	0.989	1.972	4.6	21.0	171 W	61	48
11 27	3 51.78	+14 40.8	1.048	2.030	3.9	21.1	172 E	60	49
12 7	3 39.92	+13 51.1	1.133	2.087	9.2	21.6	160 E	59	50
12 17	3 31.50	+13 20.0	1.243	2.143	14.0	22.0	148 E	58	51

395207 2010 HQ_{80}

10 18	5 0.15	+13 33.5	0.810	1.632	28.4	21.5	129 W	59	50
10 23	4 53.14	+11 9.8	0.802	1.664	24.9	21.4	135 W	56	53
10 28	4 44.97	+ 8 44.9	0.799	1.695	21.3	21.3	142 W	54	55
11 2	4 35.86	+ 6 22.2	0.802	1.725	17.8	21.2	148 W	51	58
11 7	4 26.11	+ 4 5.2	0.812	1.755	14.7	21.2	153 W	49	60
11 12	4 16.04	+ 1 57.7	0.829	1.783	12.4	21.2	157 W	47	62
11 17	4 6.02	+ 0 2.9	0.853	1.811	11.2	21.2	159 W	45	64
11 22	3 56.38	− 1 36.6	0.885	1.839	11.5	21.4	158 W	43	66
11 27	3 47.44	− 2 59.5	0.923	1.865	12.8	21.5	155 E	42	67
12 2	3 39.40	− 4 5.7	0.968	1.891	14.7	21.7	151 E	41	68
12 7	3 32.42	− 4 55.9	1.019	1.916	16.8	21.9	146 E	40	69
12 12	3 26.57	− 5 31.2	1.075	1.940	18.8	22.2	141 E	39	70
12 17	3 21.89	− 5 53.3	1.136	1.963	20.6	22.4	136 E	39	70

422638 1994 *CB*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 18	5 1.88	+70 20.6	0.556	1.304	45.5	22.1	111 W	65	—
10 20	5 1.16	+71 2.9	0.550	1.305	45.1	22.1	112 W	64	—
10 22	4 59.68	+71 43.7	0.545	1.307	44.6	22.1	113 W	63	—
10 24	4 57.39	+72 22.9	0.540	1.308	44.2	22.0	114 W	63	—
10 26	4 54.20	+73 0.1	0.534	1.309	43.7	22.0	114 W	62	—
10 28	4 50.03	+73 35.2	0.529	1.310	43.3	22.0	115 W	61	—
10 30	4 44.82	+74 7.7	0.524	1.311	42.8	21.9	116 W	61	—
11 1	4 38.50	+74 37.1	0.518	1.312	42.3	21.9	117 W	60	—
11 3	4 31.05	+75 3.2	0.513	1.313	41.9	21.9	118 W	60	—
11 5	4 22.47	+75 25.2	0.509	1.314	41.4	21.8	119 W	60	—
11 7	4 12.79	+75 42.8	0.504	1.314	41.0	21.8	120 W	59	—
11 8	4 7.58	+75 49.7	0.501	1.315	40.8	21.8	120 W	59	—
11 9	4 2.14	+75 55.3	0.499	1.315	40.6	21.8	120 W	59	—
11 10	3 56.49	+75 59.4	0.497	1.315	40.4	21.8	121 W	59	—
11 11	3 50.67	+76 2.1	0.495	1.315	40.1	21.8	121 W	59	—
11 12	3 44.71	+76 3.3	0.492	1.316	39.9	21.7	121 W	59	—
11 13	3 38.63	+76 2.9	0.490	1.316	39.7	21.7	122 W	59	—
11 14	3 32.48	+76 0.8	0.488	1.316	39.5	21.7	122 W	59	—
11 15	3 26.30	+75 57.1	0.486	1.316	39.3	21.7	123 W	59	—
11 16	3 20.13	+75 51.8	0.484	1.316	39.1	21.7	123 E	59	—
11 17	3 14.00	+75 44.7	0.482	1.316	39.0	21.7	123 E	59	—
11 18	3 7.96	+75 36.0	0.480	1.316	38.8	21.7	124 E	59	—
11 19	3 2.05	+75 25.6	0.479	1.316	38.6	21.6	124 E	60	—
11 20	2 56.28	+75 13.5	0.477	1.316	38.4	21.6	124 E	60	—
11 21	2 50.70	+74 59.8	0.475	1.316	38.3	21.6	124 E	60	—
11 22	2 45.33	+74 44.5	0.473	1.316	38.1	21.6	125 E	60	—
11 23	2 40.20	+74 27.7	0.472	1.316	38.0	21.6	125 E	61	—
11 24	2 35.31	+74 9.4	0.470	1.316	37.8	21.6	125 E	61	—
11 25	2 30.69	+73 49.6	0.469	1.316	37.7	21.6	125 E	61	—
11 26	2 26.34	+73 28.4	0.468	1.315	37.6	21.6	126 E	62	—
11 27	2 22.27	+73 5.8	0.466	1.315	37.5	21.5	126 E	62	—
11 29	2 14.97	+72 16.9	0.464	1.315	37.3	21.5	126 E	63	—
12 1	2 8.78	+71 23.4	0.462	1.314	37.1	21.5	126 E	64	—
12 3	2 3.67	+70 25.6	0.460	1.314	37.0	21.5	127 E	65	—
12 5	1 59.56	+69 24.1	0.459	1.313	36.9	21.5	127 E	66	—
12 7	1 56.40	+68 19.3	0.458	1.312	36.9	21.5	127 E	67	—
12 9	1 54.11	+67 11.5	0.457	1.311	37.0	21.5	127 E	68	—
12 11	1 52.60	+66 1.3	0.457	1.310	37.1	21.5	127 E	69	—
12 13	1 51.82	+64 48.9	0.457	1.309	37.2	21.5	126 E	70	—
12 15	1 51.68	+63 34.8	0.458	1.308	37.4	21.5	126 E	71	—

477465 2009 XZ_1

10 18	5 9.09	+ 2 41.4	0.362	1.243	40.7	21.6	126 W	48	61
10 23	4 51.96	+ 1 51.6	0.345	1.260	34.6	21.3	134 W	47	62
10 28	4 31.47	+ 1 3.5	0.332	1.274	28.0	21.1	143 W	46	63
11 2	4 8.07	+ 0 20.6	0.324	1.286	21.5	20.8	152 W	45	64
11 7	3 42.76	− 0 13.3	0.322	1.296	16.0	20.7	159 W	45	64
11 12	3 16.99	− 0 34.5	0.326	1.304	13.8	20.6	162 W	44	65
11 17	2 52.36	− 0 40.7	0.338	1.309	16.2	20.8	158 E	44	65
11 22	2 30.26	− 0 31.9	0.356	1.312	21.1	21.1	151 E	44	65
11 27	2 11.46	− 0 9.9	0.380	1.312	26.4	21.4	144 E	45	64
12 2	1 56.21	+ 0 22.6	0.408	1.311	31.4	21.7	136 E	45	64
12 7	1 44.34	+ 1 3.2	0.439	1.307	35.9	22.0	129 E	46	63
12 12	1 35.52	+ 1 49.8	0.473	1.300	39.8	22.2	122 E	47	62

505093 2011 VQ_5

10 18	5 11.41	+27 22.9	0.665	1.484	33.1	21.5	125 W	72	37
10 28	5 31.19	+30 2.9	0.567	1.429	31.8	21.0	131 W	75	34
11 7	5 51.78	+33 14.1	0.481	1.377	30.2	20.5	136 W	78	31
11 17	6 13.66	+37 2.8	0.408	1.327	28.6	20.0	140 W	82	27
11 22	6 25.33	+39 11.7	0.376	1.304	27.9	19.8	142 W	84	25
11 27	6 37.72	+41 29.4	0.348	1.282	27.5	19.6	143 W	86	23
12 2	6 51.03	+43 54.2	0.323	1.262	27.2	19.4	144 W	89	20
12 7	7 5.44	+46 23.2	0.301	1.243	27.4	19.2	145 W	89	18
12 12	7 21.11	+48 51.9	0.282	1.225	27.8	19.0	144 W	86	15
12 17	7 38.17	+51 14.7	0.266	1.210	28.6	18.9	144 W	84	13
12 22	7 56.69	+53 24.9	0.254	1.196	29.7	18.8	143 W	82	11
12 27	8 16.56	+55 15.8	0.243	1.184	30.9	18.7	142 W	80	9
12 29	8 24.80	+55 53.3	0.240	1.180	31.4	18.7	141 W	79	8
12 31	8 33.14	+56 26.4	0.237	1.176	31.8	18.7	141 W	79	8
1 2	8 41.54	+56 54.8	0.234	1.173	32.3	18.7	140 W	78	7
1 4	8 49.93	+57 18.3	0.231	1.170	32.7	18.6	140 W	78	7
1 6	8 58.24	+57 36.7	0.229	1.167	33.1	18.6	140 W	77	6
1 8	9 6.42	+57 49.7	0.227	1.165	33.4	18.6	139 W	77	6
1 10	9 14.39	+57 57.4	0.226	1.163	33.7	18.6	139 W	77	6
1 12	9 22.10	+57 59.7	0.224	1.162	33.9	18.6	139 W	77	6
1 14	9 29.48	+57 56.5	0.223	1.160	34.1	18.6	139 W	77	6
1 16	9 36.49	+57 47.9	0.222	1.160	34.2	18.6	138 W	77	6

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
450263 2003 WD_{158}									
10 18	5 22.35	+ 3 52.5	1.025	1.773	28.3	21.3	123 W	49	60
10 23	5 22.54	+ 3 34.3	0.965	1.754	26.9	21.2	127 W	49	60
10 28	5 21.55	+ 3 17.6	0.906	1.733	25.4	20.9	132 W	48	61
11 2	5 19.25	+ 3 3.2	0.850	1.712	23.5	20.7	137 W	48	61
11 7	5 15.51	+ 2 52.4	0.798	1.691	21.3	20.5	142 W	48	61
11 12	5 10.20	+ 2 46.7	0.749	1.668	19.0	20.2	147 W	48	61
11 17	5 3.25	+ 2 47.7	0.705	1.645	16.4	20.0	152 W	48	61
11 22	4 54.66	+ 2 57.4	0.665	1.621	13.9	19.8	157 W	48	61
11 27	4 44.51	+ 3 17.4	0.631	1.596	11.9	19.5	160 W	48	61
12 2	4 33.03	+ 3 49.1	0.603	1.570	11.3	19.4	162 E	49	60
12 7	4 20.52	+ 4 33.5	0.581	1.544	12.5	19.3	160 E	50	59
12 17	3 54.28	+ 6 39.9	0.554	1.489	19.4	19.4	150 E	52	57
12 27	3 29.98	+ 9 29.2	0.549	1.432	28.3	19.5	136 E	54	55
1 6	3 10.96	+12 47.1	0.560	1.372	36.9	19.7	123 E	58	51
1 16	2 58.70	+16 21.7	0.579	1.310	44.5	19.9	111 E	61	48*
134509 1999 FC_8									
10 18	5 37.41	+16 56.1	2.035	2.676	18.8	21.3	120 W	62	47
10 28	5 35.32	+16 25.0	1.936	2.688	16.4	21.2	130 W	61	48
11 7	5 30.28	+15 53.1	1.854	2.700	13.3	21.0	141 W	61	48
11 17	5 22.50	+15 21.5	1.792	2.710	9.6	20.8	153 W	60	49
11 27	5 12.59	+14 52.1	1.756	2.719	5.6	20.5	164 W	60	49
12 7	5 1.54	+14 26.8	1.749	2.728	3.0	20.4	172 W	59	50
12 17	4 50.51	+14 7.8	1.772	2.735	5.3	20.6	165 E	59	50
12 27	4 40.69	+13 57.0	1.824	2.741	9.1	20.8	154 E	59	50
1 6	4 32.99	+13 55.4	1.902	2.747	12.6	21.0	142 E	59	50
1 16	4 27.95	+14 3.3	2.001	2.752	15.6	21.3	131 E	59	50
23606 1996 AS_1									
10 18	6 5.19	+40 40.9	1.336	1.950	28.1	21.4	113 W	86	23
10 23	6 4.77	+40 57.3	1.303	1.970	26.6	21.4	117 W	86	23
10 28	6 2.97	+41 12.0	1.272	1.989	25.0	21.3	122 W	86	23
11 2	5 59.74	+41 24.2	1.243	2.008	23.1	21.2	127 W	86	23
11 7	5 55.08	+41 32.7	1.218	2.027	21.0	21.1	133 W	87	22
11 12	5 49.03	+41 36.3	1.196	2.045	18.7	21.0	138 W	87	22
11 17	5 41.70	+41 33.4	1.179	2.062	16.4	20.9	144 W	87	22
11 22	5 33.31	+41 22.8	1.167	2.079	13.9	20.8	150 W	86	23
11 27	5 24.13	+41 3.4	1.160	2.096	11.5	20.7	155 W	86	23
12 2	5 14.51	+40 34.8	1.161	2.112	9.4	20.7	159 W	86	23
12 7	5 4.82	+39 57.2	1.168	2.128	8.0	20.6	163 W	85	24
12 12	4 55.42	+39 11.3	1.182	2.143	7.6	20.7	163 E	84	25
12 17	4 46.64	+38 18.8	1.203	2.158	8.4	20.8	161 E	83	26
12 22	4 38.76	+37 21.5	1.231	2.172	10.0	20.9	157 E	82	27
12 27	4 31.98	+36 21.5	1.265	2.186	11.9	21.0	153 E	81	28
1 1	4 26.40	+35 20.9	1.306	2.199	13.9	21.2	147 E	80	29
1 6	4 22.05	+34 21.4	1.353	2.212	15.9	21.3	142 E	79	30
1 11	4 18.92	+33 24.3	1.405	2.225	17.7	21.5	137 E	78	31
506779 2006 YY_2									
10 18	6 7.12	− 8 30.6	1.459	2.018	27.8	21.4	109 W	36	73
10 23	6 9.38	− 8 56.0	1.388	1.994	27.4	21.2	113 W	36	73
10 28	6 10.86	− 9 19.6	1.318	1.969	26.9	21.1	116 W	36	73
11 2	6 11.50	− 9 40.4	1.250	1.944	26.3	20.9	120 W	35	74
11 7	6 11.19	− 9 57.1	1.184	1.918	25.5	20.7	124 W	35	74
11 12	6 9.84	−10 8.2	1.120	1.893	24.5	20.6	127 W	35	74
11 17	6 7.36	−10 11.8	1.059	1.867	23.4	20.4	131 W	35	74
11 22	6 3.69	−10 5.7	1.001	1.840	22.1	20.2	135 W	35	74
11 27	5 58.79	− 9 47.6	0.947	1.814	20.7	20.0	139 W	35	74
12 2	5 52.65	− 9 14.9	0.897	1.787	19.3	19.8	143 W	36	73
12 7	5 45.32	− 8 25.1	0.852	1.761	17.9	19.6	147 W	37	72
12 12	5 36.89	− 7 16.0	0.813	1.734	16.9	19.4	149 W	38	71
12 17	5 27.57	− 5 45.8	0.779	1.707	16.4	19.3	151 E	39	70
12 22	5 17.63	− 3 53.8	0.752	1.680	16.7	19.2	151 E	41	68
12 27	5 7.44	− 1 40.8	0.731	1.653	17.9	19.1	149 E	43	66
1 1	4 57.35	+ 0 51.1	0.716	1.626	20.0	19.1	146 E	46	63
1 6	4 47.73	+ 3 38.6	0.709	1.599	22.7	19.2	141 E	49	60
1 11	4 38.92	+ 6 37.3	0.707	1.572	25.7	19.2	136 E	52	57
1 16	4 31.22	+ 9 43.1	0.712	1.545	28.8	19.3	131 E	55	54
449107 2012 VJ_{82}									
10 18	6 21.09	+36 54.0	0.711	1.407	41.8	21.3	110 W	82	27
10 23	6 34.38	+36 15.6	0.652	1.379	42.0	21.1	112 W	81	28
10 28	6 47.92	+35 22.5	0.594	1.350	42.2	20.9	114 W	80	29
11 2	7 1.82	+34 11.5	0.538	1.321	42.4	20.6	116 W	79	30
11 7	7 16.16	+32 37.9	0.484	1.291	42.6	20.3	118 W	78	31
11 12	7 31.08	+30 35.2	0.432	1.261	43.0	20.0	120 W	76	33
11 17	7 46.76	+27 54.5	0.383	1.231	43.5	19.7	121 W	73	36
11 19	7 53.30	+26 37.0	0.364	1.218	43.8	19.6	121 W	72	37
11 21	8 0.03	+25 10.4	0.345	1.206	44.2	19.5	122 W	70	39
11 23	8 6.98	+23 33.6	0.327	1.193	44.6	19.4	122 W	69	40

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
449107 2012 VJ_{82} *(continuation)*									
11 25	8 14.17	+21 45.5	0.310	1.181	45.2	19.2	122 W	67	42
11 27	8 21.64	+19 44.5	0.293	1.168	45.8	19.1	122 W	65	44
11 29	8 29.43	+17 29.1	0.277	1.156	46.7	19.0	122 W	62	47
12 1	8 37.58	+14 57.7	0.262	1.143	47.7	18.9	121 W	60	49
12 3	8 46.15	+12 8.7	0.248	1.131	48.9	18.8	120 W	57	52
12 5	8 55.17	+ 9 0.5	0.235	1.118	50.4	18.7	119 W	54	55
12 7	9 4.71	+ 5 31.7	0.223	1.106	52.2	18.6	118 W	51	58
12 12	9 31.28	− 4 42.3	0.198	1.075	58.1	18.4	112 W	40	69
12 17	10 2.72	−16 46.4	0.184	1.045	66.0	18.5	104 W	28	81
12 22	10 40.41	−29 22.1	0.182	1.015	75.0	18.7	95 W	16	87
12 27	11 25.45	−40 37.4	0.191	0.986	83.6	19.0	85 W	4	75*
12 29	11 45.55	−44 24.8	0.198	0.975	86.6	19.2	82 W	1	71*
12 31	12 6.73	−47 43.2	0.205	0.964	89.3	19.3	79 W	—	67*
1 2	12 28.82	−50 32.1	0.214	0.953	91.7	19.5	76 W	—	63*
1 4	12 51.56	−52 52.0	0.224	0.943	93.7	19.7	73 W	—	60*
1 6	13 14.65	−54 44.4	0.235	0.933	95.5	19.8	71 W	—	57*
1 7	13 26.23	−55 30.9	0.240	0.928	96.2	19.9	70 W	—	56*
1 8	13 37.78	−56 11.5	0.246	0.923	96.9	20.0	69 W	—	55*
1 9	13 49.25	−56 46.4	0.252	0.918	97.5	20.0	68 W	—	54*
1 10	14 0.60	−57 16.0	0.258	0.914	98.0	20.1	67 W	—	53*
1 11	14 11.81	−57 40.6	0.265	0.909	98.5	20.2	66 W	—	52*
1 12	14 22.83	−58 0.5	0.271	0.904	98.9	20.2	65 W	—	51*
1 13	14 33.64	−58 16.1	0.277	0.900	99.3	20.3	65 W	—	51*
1 14	14 44.21	−58 27.8	0.284	0.896	99.6	20.3	64 W	—	50*
1 15	14 54.53	−58 35.7	0.291	0.892	99.8	20.4	63 W	—	49*
1 16	15 4.58	−58 40.3	0.297	0.887	100.0	20.4	63 W	—	49*
505348 2013 BL_{70}									
10 18	6 25.50	+31 51.7	1.036	1.656	34.7	21.3	109 W	77	32
10 23	6 33.98	+31 37.9	0.986	1.644	34.1	21.2	112 W	77	32
10 28	6 41.77	+31 20.6	0.937	1.633	33.3	21.0	115 W	76	33
11 2	6 48.78	+30 59.7	0.890	1.621	32.4	20.9	119 W	76	33
11 7	6 54.90	+30 35.4	0.844	1.611	31.3	20.7	123 W	76	33
11 12	7 0.03	+30 7.7	0.801	1.600	29.9	20.5	126 W	75	34
11 17	7 4.05	+29 36.3	0.760	1.590	28.2	20.4	130 W	75	34
11 22	7 6.87	+29 1.3	0.721	1.581	26.3	20.2	135 W	74	35
11 27	7 8.43	+28 22.4	0.685	1.572	24.1	20.0	139 W	73	36
12 7	7 7.56	+26 51.9	0.624	1.556	18.6	19.6	150 W	72	37
12 17	7 1.50	+25 3.0	0.577	1.542	11.9	19.2	161 W	70	39
12 27	6 51.54	+22 56.8	0.549	1.530	4.1	18.7	174 W	68	41
1 1	6 45.84	+21 49.2	0.542	1.525	0.8	18.4	179 W	67	42
1 6	6 40.12	+20 40.5	0.540	1.521	4.3	18.7	173 E	66	43
1 11	6 34.76	+19 32.4	0.543	1.517	8.4	18.9	167 E	65	44
1 16	6 30.11	+18 26.9	0.551	1.514	12.3	19.0	161 E	63	46
450259 2003 WQ_7									
10 18	6 29.26	+32 17.1	0.688	1.377	43.4	21.2	108 W	77	32
10 23	6 49.23	+34 30.4	0.637	1.345	44.4	21.0	109 W	80	29
10 28	7 11.83	+36 51.6	0.590	1.313	45.6	20.8	109 W	82	27
11 2	7 37.69	+39 17.0	0.547	1.281	47.0	20.6	109 W	84	25*
11 7	8 7.47	+41 40.2	0.510	1.250	48.8	20.4	108 W	87	22*
11 9	8 20.61	+42 34.8	0.497	1.237	49.6	20.4	108 W	88	21*
11 11	8 34.49	+43 26.7	0.484	1.225	50.5	20.3	107 W	88	20*
11 13	8 49.12	+44 15.0	0.473	1.213	51.4	20.3	107 W	89	19*
11 15	9 4.47	+44 58.7	0.462	1.201	52.4	20.2	106 W	90	18*
11 17	9 20.53	+45 36.8	0.453	1.189	53.4	20.2	105 W	89	17*
11 19	9 37.22	+46 8.3	0.444	1.178	54.5	20.2	104 W	89	16*
11 21	9 54.47	+46 32.2	0.436	1.166	55.6	20.2	103 W	88	15*
11 23	10 12.15	+46 47.8	0.430	1.155	56.8	20.1	102 W	88	15*
11 25	10 30.12	+46 54.3	0.424	1.144	58.0	20.1	101 W	88	14*
11 27	10 48.23	+46 51.3	0.420	1.133	59.2	20.1	99 W	88	13*
11 29	11 6.31	+46 38.6	0.416	1.123	60.5	20.1	98 W	88	12*
12 1	11 24.19	+46 16.4	0.413	1.112	61.7	20.1	97 W	89	12*
12 3	11 41.70	+45 44.8	0.412	1.102	63.0	20.1	95 W	89*	12*
12 5	11 58.73	+45 4.5	0.411	1.092	64.2	20.1	94 W	88*	11*
12 7	12 15.14	+44 16.2	0.410	1.083	65.3	20.1	92 W	86*	11*
12 9	12 30.86	+43 20.8	0.411	1.074	66.5	20.2	91 W	85*	11*
12 11	12 45.84	+42 19.3	0.412	1.065	67.6	20.2	90 W	84*	11*
12 13	13 0.04	+41 12.4	0.414	1.057	68.6	20.2	88 W	82*	11*
12 15	13 13.46	+40 1.3	0.417	1.049	69.6	20.2	87 W	81*	12*
12 17	13 26.11	+38 46.6	0.420	1.041	70.5	20.3	86 W	80*	12*
12 19	13 38.02	+37 29.2	0.423	1.034	71.4	20.3	85 W	78*	13*
12 21	13 49.22	+36 9.8	0.427	1.027	72.1	20.3	83 W	77*	13*
12 23	13 59.75	+34 49.0	0.432	1.021	72.8	20.4	82 W	76*	14*
12 25	14 9.67	+33 27.2	0.436	1.015	73.4	20.4	81 W	75*	15*
12 27	14 19.01	+32 4.9	0.441	1.009	74.0	20.4	80 W	74*	16*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
450259 2003 WQ_7 *(continuation)*									
1 1	14 40.16	+28 39.1	0.455	0.998	75.0	20.5	78 W	71*	18*
1 6	14 58.69	+25 16.2	0.469	0.989	75.5	20.6	77 W	68*	22*
1 11	15 15.13	+21 58.4	0.483	0.984	75.7	20.6	76 W	65*	25*
1 16	15 29.93	+18 46.8	0.497	0.983	75.4	20.7	75 W	62*	29*
480820 1998 VF_{32}									
10 18	6 34.14	+44 23.4	0.366	1.157	55.4	21.2	107 W	89	20
10 20	6 39.64	+43 45.7	0.346	1.150	55.5	21.1	108 W	89	20
10 22	6 45.28	+43 2.0	0.326	1.142	55.6	21.0	109 W	88	21
10 24	6 51.11	+42 11.4	0.306	1.134	55.7	20.8	110 W	87	22
10 26	6 57.17	+41 12.3	0.286	1.126	55.9	20.7	110 W	86	23
10 28	7 3.51	+40 3.1	0.267	1.117	56.1	20.5	111 W	85	24
10 30	7 10.20	+38 41.3	0.247	1.108	56.4	20.3	112 W	84	25
11 1	7 17.33	+37 4.1	0.228	1.099	56.8	20.1	112 W	82	27
11 3	7 25.00	+35 7.2	0.209	1.089	57.4	20.0	112 W	80	29
11 5	7 33.33	+32 45.4	0.190	1.079	58.1	19.8	112 W	78	31
11 7	7 42.50	+29 51.1	0.172	1.068	59.2	19.5	112 W	75	34
11 8	7 47.45	+28 8.7	0.163	1.063	59.9	19.4	112 W	73	36
11 9	7 52.69	+26 14.3	0.155	1.057	60.7	19.3	111 W	71	38
11 10	7 58.26	+24 5.9	0.146	1.051	61.6	19.2	111 W	69	40*
11 11	8 4.19	+21 41.6	0.138	1.046	62.8	19.1	110 W	67	42*
11 12	8 10.53	+18 59.1	0.130	1.040	64.1	19.0	109 W	64	45*
11 13	8 17.33	+15 56.0	0.123	1.034	65.7	18.9	108 W	61	48*
11 14	8 24.64	+12 29.9	0.116	1.028	67.5	18.9	106 W	57	51*
11 15	8 32.55	+ 8 38.4	0.110	1.022	69.7	18.8	104 W	54	55*
11 16	8 41.10	+ 4 20.1	0.104	1.016	72.3	18.8	102 W	49	59*
11 17	8 50.40	− 0 25.6	0.099	1.009	75.2	18.7	99 W	45	64*
11 18	9 0.53	− 5 37.3	0.096	1.003	78.6	18.8	96 W	39	68*
11 19	9 11.58	−11 11.2	0.093	0.997	82.2	18.8	92 W	34	72*
11 20	9 23.66	−17 0.5	0.091	0.990	86.2	18.9	89 W	28	75*
11 21	9 36.86	−22 56.0	0.090	0.983	90.3	19.0	84 W	22	76*
11 22	9 51.28	−28 47.1	0.091	0.977	94.4	19.2	80 W	16	74*
11 23	10 6.98	−34 23.0	0.093	0.970	98.4	19.4	76 W	11	70*
11 24	10 24.00	−39 34.4	0.096	0.963	102.1	19.7	72 W	5	66*
11 25	10 42.34	−44 14.8	0.100	0.956	105.6	19.9	69 W	1	61*
11 26	11 1.91	−48 20.3	0.104	0.949	108.6	20.2	66 W	—	57*
11 27	11 22.56	−51 49.9	0.110	0.941	111.3	20.4	63 W	—	53*
11 28	11 44.03	−54 44.5	0.116	0.934	113.6	20.7	60 W	—	49*
11 29	12 6.00	−57 6.4	0.123	0.927	115.7	20.9	58 W	—	46*
11 30	12 28.09	−58 58.7	0.131	0.919	117.4	21.2	56 W	—	43*
12 1	12 49.92	−60 25.1	0.139	0.912	118.9	21.4	54 W	—	40*
224926 2007 DA_{41}									
10 18	6 47.49	+ 3 36.1	1.631	2.075	28.1	21.4	102 W	49	60*
10 28	6 50.89	+ 0 24.8	1.506	2.060	27.1	21.2	109 W	45	64
11 7	6 50.87	− 3 5.3	1.389	2.042	25.6	20.9	117 W	42	67
11 17	6 46.86	− 6 49.8	1.285	2.022	23.6	20.7	125 W	38	71
11 27	6 38.41	−10 39.1	1.199	1.998	21.5	20.4	132 W	34	75
12 2	6 32.50	−12 31.0	1.163	1.985	20.6	20.3	135 W	32	77
12 7	6 25.51	−14 17.9	1.133	1.971	19.9	20.2	137 W	31	78
12 12	6 17.56	−15 57.1	1.109	1.957	19.6	20.2	138 W	29	80
12 17	6 8.82	−17 25.8	1.091	1.942	19.6	20.1	139 W	28	81
12 22	5 59.52	−18 41.5	1.080	1.926	20.0	20.1	138 E	26	83
12 27	5 49.97	−19 42.4	1.074	1.909	20.9	20.1	136 E	25	84
1 1	5 40.46	−20 27.6	1.073	1.891	22.1	20.1	134 E	25	84
1 6	5 31.29	−20 56.6	1.078	1.873	23.5	20.1	131 E	24	85
1 11	5 22.75	−21 9.9	1.087	1.854	25.1	20.2	127 E	24	85
1 16	5 15.07	−21 8.5	1.100	1.834	26.7	20.2	123 E	24	85
143651 2003 QO_{104}									
10 18	6 48.92	+28 27.9	2.639	3.037	18.6	21.5	104 W	73	36*
10 28	6 50.84	+29 2.7	2.473	3.010	17.6	21.3	113 W	74	35
11 7	6 50.05	+29 44.0	2.318	2.982	16.1	21.1	124 W	75	34
11 17	6 46.19	+30 31.0	2.176	2.952	13.9	20.8	134 W	76	33
11 27	6 39.04	+31 21.4	2.053	2.921	11.0	20.6	146 W	76	33
12 7	6 28.69	+32 11.0	1.955	2.888	7.6	20.3	157 W	77	32
12 12	6 22.46	+32 33.7	1.916	2.871	5.8	20.2	163 W	78	31
12 17	6 15.66	+32 54.0	1.885	2.853	4.3	20.0	168 W	78	31
12 22	6 8.46	+33 11.3	1.861	2.835	3.4	19.9	170 W	78	31
12 27	6 1.04	+33 25.0	1.846	2.817	3.9	19.9	169 E	78	31
1 1	5 53.59	+33 34.9	1.839	2.798	5.4	20.0	164 E	79	30
1 6	5 46.32	+33 40.9	1.839	2.779	7.3	20.1	159 E	79	30
1 11	5 39.41	+33 43.1	1.847	2.760	9.3	20.2	153 E	79	30
1 16	5 33.05	+33 41.9	1.862	2.740	11.3	20.2	147 E	79	30
475198 2005 VC_1									
10 18	6 56.14	+18 19.2	1.771	2.197	26.4	21.4	101 W	63	46*
10 28	6 59.22	+16 41.1	1.692	2.241	24.6	21.3	110 W	62	47
11 7	6 58.84	+15 1.3	1.620	2.284	22.0	21.2	120 W	60	49
11 17	6 54.87	+13 22.2	1.558	2.326	18.8	21.1	131 W	58	51

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
475198 2005 VC_1 *(continuation)*									
11 27	6 47.51	+11 47.0	1.514	2.368	15.0	20.9	142 W	57	52
12 7	6 37.33	+10 19.8	1.491	2.409	10.8	20.8	153 W	55	54
12 17	6 25.35	+ 9 4.9	1.495	2.450	7.2	20.6	162 W	54	55
12 27	6 12.94	+ 8 6.3	1.527	2.489	6.0	20.7	165 E	53	56
1 6	6 1.49	+ 7 26.1	1.589	2.528	8.4	20.9	158 E	52	57
1 16	5 52.12	+ 7 4.3	1.678	2.566	11.7	21.2	148 E	52	57
217145 2002 ML_2									
10 18	6 56.54	+25 21.2	1.964	2.380	24.2	21.5	102 W	70	39*
10 28	7 0.69	+25 8.0	1.867	2.409	22.6	21.3	111 W	70	39
11 7	7 1.59	+24 57.5	1.777	2.438	20.4	21.2	121 W	70	39
11 17	6 59.01	+24 49.8	1.698	2.466	17.5	21.0	131 W	70	39
11 27	6 52.94	+24 44.1	1.635	2.494	13.8	20.8	143 W	70	39
12 7	6 43.78	+24 38.2	1.593	2.520	9.5	20.6	155 W	70	39
12 17	6 32.35	+24 29.9	1.576	2.546	4.7	20.4	168 W	69	40
12 22	6 26.18	+24 24.2	1.579	2.559	2.2	20.3	174 W	69	40
12 27	6 19.97	+24 17.4	1.588	2.572	0.5	20.2	179 E	69	40
1 1	6 13.89	+24 9.5	1.606	2.584	2.8	20.4	173 E	69	40
1 6	6 8.12	+24 0.7	1.630	2.596	5.2	20.6	166 E	69	40
1 11	6 2.81	+23 51.3	1.662	2.608	7.4	20.7	160 E	69	40
1 16	5 58.10	+23 41.6	1.701	2.620	9.5	20.9	154 E	69	40
416694 2004 YR_{32}									
10 18	7 2.54	+14 59.3	1.489	1.923	30.7	21.2	99 W	60	49*
10 28	7 19.72	+15 27.3	1.296	1.829	31.6	20.8	105 W	60	49*
11 7	7 37.78	+16 11.3	1.110	1.734	32.2	20.4	111 W	61	48
11 17	7 57.32	+17 21.8	0.934	1.639	32.6	19.9	117 W	62	47
11 22	8 7.97	+18 11.7	0.851	1.590	32.7	19.6	120 W	63	46
11 27	8 19.50	+19 14.7	0.771	1.542	32.8	19.4	122 W	64	45
12 2	8 32.22	+20 34.1	0.694	1.494	32.9	19.1	125 W	66	43
12 7	8 46.59	+22 13.7	0.621	1.446	33.0	18.8	127 W	67	42
12 12	9 3.24	+24 17.9	0.553	1.398	33.4	18.4	129 W	69	40
12 17	9 23.10	+26 51.3	0.491	1.351	34.2	18.1	130 W	72	37
12 19	9 32.22	+28 1.5	0.468	1.332	34.6	18.0	130 W	73	36
12 21	9 42.19	+29 17.0	0.445	1.314	35.2	17.9	130 W	74	35
12 23	9 53.11	+30 37.5	0.424	1.295	35.9	17.8	129 W	76	33
12 25	10 5.14	+32 2.7	0.405	1.277	36.9	17.7	129 W	77	32
12 27	10 18.43	+33 31.8	0.386	1.259	38.0	17.6	128 W	79	30
12 29	10 33.14	+35 3.8	0.369	1.241	39.3	17.5	127 W	80	29
12 31	10 49.43	+36 36.8	0.353	1.223	40.9	17.4	125 W	82	27
1 2	11 7.46	+38 8.7	0.340	1.205	42.8	17.3	124 W	83	26
1 4	11 27.32	+39 36.4	0.327	1.188	44.9	17.3	122 W	85	24
1 6	11 49.03	+40 56.5	0.317	1.171	47.2	17.2	119 W	86	23
1 8	12 12.51	+42 4.8	0.309	1.154	49.8	17.2	116 W	87	22*
1 10	12 37.50	+42 57.6	0.302	1.137	52.6	17.2	113 W	88	21*
1 12	13 3.59	+43 31.4	0.298	1.121	55.5	17.2	110 W	89	20*
1 14	13 30.23	+43 43.8	0.295	1.105	58.5	17.3	107 W	89	19*
1 16	13 56.79	+43 34.0	0.295	1.090	61.4	17.3	103 W	89	18*
432308 2009 TQ_3									
10 18	7 4.97	+32 11.9	1.836	2.246	25.8	21.5	101 W	77	32*
10 28	7 11.10	+32 47.3	1.750	2.280	24.3	21.3	109 W	78	31
11 7	7 13.72	+33 28.8	1.670	2.314	22.1	21.2	119 W	78	31
11 17	7 12.41	+34 15.3	1.599	2.347	19.2	21.0	129 W	79	30
11 27	7 6.99	+35 3.0	1.542	2.379	15.7	20.9	139 W	80	29
12 7	6 57.75	+35 46.1	1.505	2.411	11.7	20.7	150 W	81	28
12 17	6 45.48	+36 17.0	1.492	2.442	7.6	20.6	161 W	81	28
12 27	6 31.69	+36 29.4	1.506	2.473	5.2	20.5	167 W	81	28
1 1	6 24.80	+36 27.9	1.523	2.488	5.6	20.5	166 E	81	28
1 6	6 18.22	+36 21.3	1.548	2.503	6.8	20.6	163 E	81	28
1 11	6 12.15	+36 10.2	1.579	2.518	8.4	20.8	158 E	81	28
1 16	6 6.76	+35 55.2	1.618	2.533	10.2	20.9	153 E	81	28
225488 2000 HT_{15}									
10 18	7 8.54	+ 3 46.9	1.360	1.772	34.0	21.4	96 W	49	60*
10 28	7 19.76	− 0 0.3	1.261	1.762	33.4	21.2	102 W	45	64*
11 7	7 28.26	− 4 8.2	1.168	1.751	32.5	21.0	108 W	41	68
11 17	7 33.50	− 8 32.6	1.085	1.740	31.3	20.8	114 W	36	73
11 27	7 34.94	−13 4.7	1.012	1.727	29.8	20.6	120 W	32	77
12 7	7 32.18	−17 31.4	0.953	1.715	28.3	20.4	124 W	27	82
12 12	7 29.14	−19 37.2	0.928	1.708	27.6	20.3	127 W	25	84
12 17	7 25.02	−21 34.3	0.907	1.701	27.0	20.3	128 W	23	86
12 22	7 19.90	−23 20.0	0.890	1.695	26.6	20.2	129 W	22	87
12 27	7 13.94	−24 51.5	0.876	1.688	26.4	20.1	130 W	20	89
1 1	7 7.32	−26 6.6	0.866	1.681	26.4	20.1	131 W	19	90
1 6	7 0.28	−27 3.6	0.860	1.674	26.6	20.1	130 E	18	89
1 11	6 53.11	−27 41.3	0.857	1.667	27.0	20.1	130 E	17	88
1 16	6 46.13	−27 59.2	0.857	1.660	27.6	20.1	129 E	17	88

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
198752 2005 EA_{60}									
10 18	7 9.07	+25 53.7	0.659	1.280	50.2	21.3	99 W	71	38*
10 23	7 31.34	+25 19.4	0.633	1.262	51.1	21.2	99 W	70	38*
10 28	7 53.58	+24 32.3	0.610	1.245	52.0	21.1	99 W	70	39*
11 2	8 15.57	+23 33.2	0.591	1.231	52.8	21.0	99 W	69	39*
11 7	8 37.10	+22 23.1	0.574	1.219	53.4	21.0	99 W	67	40*
11 12	8 57.93	+21 3.6	0.560	1.210	54.0	20.9	99 W	66	41*
11 17	9 17.88	+19 36.8	0.548	1.203	54.3	20.9	99 W	65	42*
11 22	9 36.80	+18 4.8	0.539	1.199	54.4	20.8	99 W	63	44*
11 27	9 54.58	+16 30.0	0.531	1.197	54.3	20.8	100 W	61	45*
12 2	10 11.15	+14 54.3	0.525	1.198	54.0	20.8	101 W	60	47*
12 7	10 26.43	+13 19.7	0.519	1.202	53.4	20.7	102 W	58	49*
12 12	10 40.38	+11 48.2	0.515	1.209	52.5	20.7	103 W	57	51*
12 17	10 52.92	+10 21.3	0.511	1.218	51.4	20.7	105 W	55	53*
12 22	11 4.03	+ 9 0.4	0.508	1.230	50.0	20.6	107 W	54	55*
12 27	11 13.68	+ 7 46.4	0.505	1.244	48.4	20.6	109 W	53	56*
1 1	11 21.85	+ 6 40.1	0.502	1.260	46.4	20.6	112 W	52	57
1 6	11 28.48	+ 5 42.4	0.500	1.278	44.2	20.5	115 W	51	58
1 11	11 33.53	+ 4 53.8	0.498	1.298	41.7	20.5	119 W	50	59
1 16	11 36.97	+ 4 14.8	0.497	1.320	38.8	20.4	123 W	49	60
508767 1993 BD_2									
10 18	7 52.53	+12 18.4	1.432	1.702	35.8	21.5	87 W	57*	48*
10 28	8 15.26	+13 3.5	1.291	1.652	37.0	21.2	92 W	58	48*
11 7	8 38.96	+14 6.4	1.156	1.603	37.9	21.0	96 W	59	48*
11 17	9 4.00	+15 35.2	1.028	1.555	38.6	20.7	101 W	61	47*
11 27	9 30.82	+17 39.5	0.908	1.510	39.0	20.3	106 W	63	46*
12 2	9 45.10	+18 58.2	0.853	1.487	39.1	20.2	108 W	64	45*
12 7	10 0.09	+20 29.5	0.801	1.466	39.2	20.0	110 W	65	43*
12 12	10 15.87	+22 14.5	0.753	1.446	39.2	19.8	112 W	67	42*
12 17	10 32.53	+24 13.6	0.709	1.426	39.2	19.7	114 W	69	40*
12 22	10 50.18	+26 26.7	0.669	1.407	39.2	19.5	115 W	71	38*
12 27	11 8.90	+28 52.4	0.635	1.389	39.3	19.4	117 W	74	35*
1 1	11 28.74	+31 28.6	0.605	1.373	39.4	19.3	118 W	76	33*
1 6	11 49.70	+34 11.5	0.581	1.357	39.8	19.2	118 W	79	30
1 11	12 11.68	+36 56.7	0.562	1.343	40.3	19.1	118 W	82	27
1 16	12 34.48	+39 39.0	0.548	1.330	40.9	19.0	118 W	85	24
162472 2000 LL									
10 18	8 6.24	+15 6.7	0.969	1.320	48.7	21.5	84 W	59*	44*
10 28	8 21.53	+ 8 53.4	0.905	1.335	48.1	21.3	89 W	54	52*
11 7	8 33.86	+ 1 59.6	0.845	1.349	47.1	21.2	94 W	47	60*
11 17	8 42.81	− 5 32.8	0.791	1.362	45.8	21.0	99 W	39	69*
11 27	8 47.76	−13 35.2	0.746	1.373	44.2	20.9	104 W	31	78
12 7	8 47.94	−21 50.6	0.713	1.383	42.7	20.7	108 W	23	86
12 17	8 42.34	−29 52.5	0.693	1.391	41.3	20.6	111 W	15	86
12 27	8 30.10	−37 5.6	0.685	1.398	40.5	20.6	113 W	8	79
1 6	8 11.18	−42 55.3	0.688	1.403	40.2	20.6	113 W	2	73
1 16	7 47.12	−46 55.0	0.701	1.406	40.4	20.7	112 E	—	69
478450 2012 KJ_{45}									
10 18	8 8.60	+ 8 59.8	2.001	2.116	27.8	21.5	83 W	53*	50*
10 28	8 20.90	+ 6 11.1	1.860	2.089	28.4	21.3	89 W	51	54*
11 7	8 31.59	+ 3 6.4	1.722	2.062	28.6	21.1	95 W	48	59*
11 17	8 40.33	− 0 14.1	1.590	2.034	28.4	20.9	102 W	45	64*
11 27	8 46.74	− 3 49.5	1.465	2.006	27.8	20.7	108 W	41	68
12 7	8 50.39	− 7 37.1	1.349	1.979	26.8	20.4	115 W	37	72
12 12	8 51.03	− 9 34.0	1.296	1.965	26.2	20.3	118 W	35	74
12 17	8 50.80	−11 31.9	1.246	1.951	25.4	20.2	122 W	33	76
12 22	8 49.66	−13 29.3	1.200	1.937	24.7	20.1	125 W	32	77
12 27	8 47.57	−15 24.8	1.159	1.924	23.9	20.0	128 W	30	79
1 1	8 44.54	−17 16.6	1.121	1.910	23.1	19.8	130 W	28	81
1 6	8 40.58	−19 2.9	1.087	1.897	22.4	19.7	133 W	26	83
1 11	8 35.73	−20 41.3	1.059	1.884	21.9	19.7	134 W	24	85
1 16	8 30.11	−22 9.6	1.035	1.870	21.5	19.6	136 W	23	86
334139 2001 RN_{56}									
10 18	8 39.88	+19 33.6	1.637	1.723	34.4	21.5	78 W	61*	37*
10 28	8 59.30	+18 27.0	1.569	1.749	34.3	21.4	83 W	63*	39*
11 7	9 16.50	+17 23.0	1.500	1.777	33.9	21.3	89 W	62	42*
11 17	9 31.23	+16 25.6	1.429	1.807	33.0	21.2	95 W	61	44*
11 27	9 43.14	+15 39.1	1.359	1.839	31.6	21.1	102 W	61	47*
12 7	9 51.91	+15 6.9	1.290	1.872	29.6	21.0	110 W	60	49*
12 17	9 57.12	+14 52.5	1.225	1.907	26.9	20.9	119 W	60	49
12 27	9 58.45	+14 58.3	1.168	1.942	23.2	20.7	129 W	60	49
1 6	9 55.76	+15 24.0	1.123	1.979	18.7	20.5	140 W	60	49
1 16	9 49.25	+16 6.9	1.095	2.016	13.4	20.3	152 W	61	48

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
141498 2002 EZ_{16}									
10 18	9 5.75	+10 1.3	1.402	1.399	41.7	21.5	69 W	50*	40*
10 28	9 19.26	+ 6 13.9	1.313	1.422	42.4	21.4	75 W	50*	46*
11 7	9 31.16	+ 2 4.9	1.216	1.437	42.9	21.3	81 W	47*	52*
11 17	9 41.21	− 2 31.5	1.114	1.443	43.1	21.1	86 W	42	60*
11 27	9 48.97	− 7 41.8	1.009	1.442	43.1	20.9	93 W	37	68*
12 7	9 53.84	−13 34.6	0.905	1.432	42.9	20.6	98 W	31	77*
12 17	9 54.74	−20 18.6	0.806	1.414	42.5	20.3	104 W	25	84
12 22	9 53.20	−24 1.7	0.760	1.403	42.3	20.2	106 W	21	88
12 27	9 49.95	−27 59.1	0.716	1.389	42.2	20.0	109 W	17	88
1 1	9 44.61	−32 9.8	0.676	1.372	42.3	19.9	110 W	13	84
1 6	9 36.65	−36 31.4	0.640	1.354	42.6	19.7	111 W	8	79
1 11	9 25.39	−40 59.5	0.608	1.334	43.3	19.6	112 W	4	75
1 16	9 10.00	−45 26.7	0.581	1.311	44.4	19.5	111 W	—	71
66294 1999 JS_{27}									
10 18	9 20.20	+15 21.9	3.492	3.237	16.5	21.5	67 W	53*	34*
10 28	9 28.81	+14 42.5	3.344	3.231	17.3	21.4	75 W	57*	38*
11 7	9 36.21	+14 7.7	3.191	3.224	17.8	21.3	83 W	59*	42*
11 17	9 42.20	+13 39.1	3.033	3.216	17.9	21.2	92 W	59	46*
11 27	9 46.55	+13 18.6	2.876	3.207	17.6	21.0	101 W	58	49*
12 7	9 49.04	+13 7.5	2.722	3.197	16.8	20.9	110 W	58	51*
12 17	9 49.42	+13 7.6	2.576	3.186	15.5	20.7	120 W	58	51
12 27	9 47.52	+13 19.7	2.443	3.174	13.6	20.5	131 W	58	51
1 6	9 43.27	+13 43.9	2.327	3.161	11.0	20.3	142 W	59	50
1 16	9 36.79	+14 19.1	2.234	3.148	7.9	20.1	154 W	59	50
262623 2006 WY_2									
10 18	9 26.31	+12 44.3	1.342	1.289	44.4	21.5	65 W	50*	35*
10 28	9 56.66	+12 50.2	1.249	1.270	46.5	21.4	68 W	53*	35*
11 7	10 29.26	+12 56.6	1.154	1.246	48.6	21.2	71 W	55*	35*
11 17	11 4.85	+13 3.7	1.060	1.215	51.0	21.0	73 W	56*	34*
11 27	11 44.23	+13 10.1	0.971	1.180	53.6	20.9	74 W	57*	34*
12 7	12 28.25	+13 11.1	0.892	1.138	56.5	20.7	74 W	57*	33*
12 17	13 17.39	+12 58.5	0.827	1.092	59.8	20.5	74 W	57*	32*
12 27	14 11.34	+12 20.7	0.781	1.040	63.5	20.4	71 W	56*	31*
1 1	14 39.74	+11 48.4	0.766	1.013	65.4	20.4	70 W	55*	30*
1 6	15 8.75	+11 5.3	0.757	0.985	67.3	20.3	67 W	54*	29*
1 11	15 38.04	+10 11.2	0.755	0.955	69.1	20.3	65 W	52*	29*
1 16	16 7.29	+ 9 6.0	0.758	0.926	70.7	20.3	63 W	50*	28*
523679 2013 YB_{38}									
10 18	9 26.97	+ 0 42.1	1.797	1.591	33.5	21.5	62 W	39*	43*
10 28	9 53.62	− 3 33.8	1.674	1.526	35.8	21.3	64 W	38*	46*
11 7	10 21.83	− 8 15.6	1.561	1.462	38.1	21.1	66 W	35*	49*
11 17	10 52.05	−13 19.6	1.460	1.400	40.4	20.9	67 W	31*	53*
11 27	11 24.84	−18 37.4	1.374	1.342	42.6	20.8	67 W	26*	56*
12 7	12 0.85	−23 56.8	1.304	1.287	44.7	20.6	67 W	21*	58*
12 17	12 40.69	−29 0.6	1.249	1.238	46.6	20.5	66 W	16	59*
12 27	13 24.70	−33 27.7	1.210	1.196	48.3	20.4	65 W	12	59*
1 1	13 48.23	−35 20.5	1.195	1.178	49.0	20.4	65 W	10*	59*
1 6	14 12.67	−36 56.4	1.183	1.162	49.6	20.3	64 W	8*	58*
1 11	14 37.82	−38 13.1	1.174	1.149	50.1	20.3	64 W	7*	58*
1 16	15 3.44	−39 9.2	1.168	1.138	50.5	20.3	63 W	6*	57*
418416 2008 LV_{16}									
10 18	9 47.25	+16 11.7	0.335	0.885	99.4	21.3	61 W	50*	29*
10 23	9 38.86	+15 18.7	0.360	0.921	91.0	21.1	68 W	54*	34*
10 28	9 32.60	+14 26.0	0.382	0.961	83.6	21.0	74 W	57*	38*
11 2	9 27.47	+13 36.2	0.402	1.003	76.9	21.0	80 W	58*	41*
11 7	9 22.72	+12 51.0	0.419	1.047	70.8	21.0	86 W	58*	45*
11 12	9 17.76	+12 11.3	0.433	1.092	64.9	21.0	92 W	57	48*
11 17	9 12.15	+11 38.2	0.445	1.139	59.3	21.0	98 W	57	50*
11 22	9 5.56	+11 12.3	0.456	1.186	53.8	20.9	104 W	56	52*
11 27	8 57.82	+10 54.1	0.466	1.233	48.3	20.9	111 W	56	53
12 2	8 48.83	+10 43.7	0.476	1.281	42.8	20.9	118 W	56	53
12 7	8 38.60	+10 41.1	0.487	1.329	37.2	20.9	125 W	56	53
12 12	8 27.26	+10 46.0	0.501	1.376	31.5	20.8	133 W	56	53
12 17	8 15.06	+10 57.6	0.517	1.423	25.9	20.8	141 W	56	53
12 22	8 2.40	+11 15.0	0.538	1.470	20.3	20.8	149 W	56	53
12 27	7 49.73	+11 36.6	0.563	1.516	15.1	20.8	156 W	57	52
1 1	7 37.52	+12 1.3	0.594	1.562	10.3	20.8	163 W	57	52
1 6	7 26.14	+12 27.6	0.631	1.607	6.7	20.8	169 W	57	52
1 11	7 15.91	+12 54.5	0.674	1.652	5.6	21.0	170 E	58	51
1 16	7 7.05	+13 21.3	0.723	1.696	7.5	21.3	167 E	58	51
240871 MOSS									
10 18	9 54.23	+29 21.7	2.642	2.402	22.1	21.5	65 W	59*	19*
10 28	10 10.56	+28 7.0	2.493	2.365	23.4	21.4	71 W	64*	22*
11 7	10 26.01	+26 52.7	2.340	2.328	24.5	21.2	77 W	68*	25*
11 17	10 40.43	+25 40.3	2.185	2.290	25.4	21.1	83 W	70*	29*

240871 MOSS *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
11 27	10 53.63	+24 31.2	2.028	2.252	26.0	20.9	90 W	70	32*
12 7	11 5.37	+23 26.4	1.872	2.213	26.2	20.7	97 W	68	36*
12 17	11 15.33	+22 27.4	1.718	2.174	26.1	20.4	104 W	67	40*
12 27	11 23.07	+21 35.0	1.568	2.136	25.3	20.2	112 W	67	42*
1 6	11 28.12	+20 49.1	1.425	2.097	24.0	19.9	120 W	66	43
1 16	11 29.84	+20 9.3	1.292	2.059	21.8	19.6	129 W	65	44

193948 2001 RQ_{47}

10 18	10 35.00	+27 25.7	2.962	2.553	19.0	21.5	57 W	51*	13*
10 28	10 50.65	+26 13.0	2.828	2.525	20.4	21.4	62 W	56*	17*
11 7	11 5.58	+25 3.8	2.686	2.497	21.6	21.3	68 W	61*	20*
11 17	11 19.69	+23 59.4	2.540	2.468	22.7	21.2	75 W	65*	24*
11 27	11 32.83	+23 1.5	2.389	2.438	23.6	21.0	81 W	67*	28*
12 7	11 44.83	+22 11.6	2.235	2.407	24.1	20.9	88 W	67	33*
12 17	11 55.42	+21 31.3	2.081	2.376	24.4	20.7	95 W	67	37*
12 27	12 4.30	+21 2.2	1.928	2.344	24.2	20.5	102 W	66	41*
1 6	12 11.07	+20 45.2	1.779	2.312	23.5	20.3	110 W	66	43*
1 16	12 15.26	+20 40.9	1.636	2.279	22.2	20.0	119 W	66	43

495323 2014 JG_{78}

10 18	10 45.85	− 9 24.5	0.674	0.657	96.9	21.3	41 W	21*	31*
10 23	10 49.29	−10 21.4	0.736	0.698	87.8	21.2	45 W	23*	34*
10 28	10 55.13	−11 13.7	0.793	0.743	80.5	21.3	48 W	25*	36*
11 2	11 2.37	−12 2.9	0.843	0.792	74.6	21.3	50 W	26*	39*
11 7	11 10.37	−12 49.6	0.887	0.842	69.9	21.4	53 W	27*	41*

250577 2005 AC

10 18	10 49.51	+66 34.9	1.395	1.592	38.3	21.5	82 W	57*	—
10 23	11 7.33	+66 30.9	1.359	1.590	38.4	21.4	83 W	58*	—
10 28	11 24.49	+66 30.2	1.322	1.586	38.6	21.4	85 W	58*	—
11 2	11 41.07	+66 34.0	1.283	1.580	38.8	21.3	87 W	59*	—
11 7	11 57.18	+66 43.1	1.242	1.573	39.0	21.2	89 W	60*	—
11 12	12 12.90	+66 59.0	1.199	1.564	39.3	21.1	91 W	61*	—
11 17	12 28.34	+67 22.8	1.156	1.554	39.5	21.0	93 W	61*	—
11 22	12 43.59	+67 55.7	1.111	1.542	39.7	20.9	94 W	62*	—
11 27	12 58.79	+68 38.9	1.065	1.529	39.9	20.8	96 W	62*	—
12 2	13 14.15	+69 33.8	1.018	1.514	40.1	20.7	98 W	62*	—
12 7	13 29.95	+70 42.0	0.971	1.497	40.4	20.6	100 W	62*	—
12 12	13 46.57	+72 5.3	0.924	1.479	40.7	20.5	102 W	61*	—
12 17	14 4.65	+73 45.5	0.876	1.460	41.0	20.3	103 W	60*	—
12 19	14 12.52	+74 30.7	0.858	1.451	41.2	20.3	104 W	59*	—
12 21	14 20.91	+75 18.9	0.839	1.443	41.3	20.2	104 W	58*	—
12 23	14 29.98	+76 10.2	0.820	1.434	41.5	20.2	105 W	58*	—
12 25	14 39.95	+77 4.7	0.802	1.425	41.7	20.1	105 W	57*	—
12 27	14 51.13	+78 2.3	0.784	1.415	42.0	20.1	106 W	56*	—
12 28	14 57.30	+78 32.2	0.775	1.410	42.1	20.0	106 W	55*	—
12 29	15 3.97	+79 2.9	0.766	1.405	42.2	20.0	106 W	55*	—
12 30	15 11.22	+79 34.3	0.757	1.401	42.3	20.0	106 W	54*	—
12 31	15 19.16	+80 6.3	0.748	1.395	42.5	19.9	107 W	54*	—
1 1	15 27.96	+80 38.9	0.739	1.390	42.6	19.9	107 W	53*	—
1 2	15 37.80	+81 11.9	0.731	1.385	42.8	19.9	107 W	53*	—
1 3	15 48.91	+81 45.3	0.722	1.380	42.9	19.9	107 W	52*	—
1 4	16 1.63	+82 18.8	0.714	1.375	43.1	19.8	107 W	51*	—
1 5	16 16.35	+82 52.1	0.705	1.369	43.3	19.8	107 W	51*	—
1 6	16 33.61	+83 24.9	0.697	1.364	43.5	19.8	107 W	50*	—
1 7	16 54.05	+83 56.5	0.689	1.358	43.7	19.7	107 W	49*	—
1 8	17 18.49	+84 26.1	0.680	1.353	43.9	19.7	107 W	49*	—
1 9	17 47.78	+84 52.7	0.672	1.347	44.1	19.7	107 W	48*	—
1 10	18 22.64	+85 14.8	0.665	1.342	44.4	19.7	107 W	47*	—
1 11	19 3.16	+85 30.5	0.657	1.336	44.6	19.6	107 W	46*	—
1 12	19 48.27	+85 37.9	0.649	1.330	44.9	19.6	107 E	46*	—
1 13	20 35.41	+85 35.5	0.642	1.324	45.2	19.6	107 E	47*	—
1 14	21 21.24	+85 22.9	0.634	1.318	45.5	19.5	107 E	48*	—
1 15	22 2.93	+85 0.6	0.627	1.312	45.8	19.5	107 E	49*	—

152742 1998 XE_{12}

10 18	11 18.41	− 0 13.9	1.545	0.918	37.9	21.4	34 W	23*	20*
10 28	12 4.74	− 5 48.8	1.422	0.777	42.2	21.0	32 W	20*	19*
11 7	13 3.23	−12 11.8	1.324	0.613	45.0	20.4	26 W	14*	15*
11 17	14 20.77	−18 38.3	1.268	0.423	41.1	19.4	16 W	5*	8*
11 19	14 39.49	−19 46.1	1.261	0.383	38.0	19.0	14 W	3*	6*
11 21	14 59.55	−20 47.0	1.256	0.343	33.4	18.7	11 W	1*	4*
11 23	15 21.09	−21 38.2	1.250	0.305	26.8	18.2	8 W	—	2*
11 25	15 44.16	−22 16.6	1.242	0.271	17.4	17.6	5 W	—	—
11 27	16 8.66	−22 38.4	1.229	0.244	6.9	17.0	2 W	—	—
11 29	16 34.08	−22 40.2	1.207	0.230	14.7	17.1	3 E	—	—
12 1	16 59.48	−22 21.3	1.176	0.232	31.6	17.6	7 E	—	—
12 3	17 23.88	−21 44.6	1.138	0.250	47.3	18.2	11 E	1*	3*
12 5	17 46.83	−20 54.8	1.096	0.278	59.8	18.7	14 E	4*	6*

152742 1998 XE_{12} *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 7	18 8.38	−19 56.0	1.054	0.314	68.9	19.1	17 E	7*	8*
12 9	18 28.83	−18 50.5	1.015	0.352	75.1	19.5	20 E	10*	10*
12 11	18 48.45	−17 39.6	0.979	0.392	79.3	19.8	23 E	12*	12*
12 13	19 7.47	−16 24.1	0.948	0.433	81.9	20.0	26 E	15*	13*
12 15	19 26.03	−15 4.4	0.921	0.472	83.3	20.2	28 E	17*	15*
12 17	19 44.23	−13 41.0	0.898	0.511	83.8	20.3	31 E	20*	16*
12 22	20 28.30	−10 0.7	0.859	0.604	82.5	20.6	38 E	25*	20*
12 27	21 10.17	− 6 12.9	0.845	0.690	79.0	20.7	44 E	31*	22*
1 1	21 49.34	− 2 30.3	0.852	0.770	74.5	20.8	49 E	36*	25*
1 6	22 25.38	+ 0 56.0	0.877	0.843	69.7	20.9	54 E	40*	26*
1 11	22 58.12	+ 3 59.9	0.916	0.911	65.1	21.0	57 E	44*	28*
1 16	23 27.64	+ 6 39.6	0.967	0.974	60.9	21.1	60 E	47*	28*

202683 2006 US_{216}

10 18	11 50.16	− 0 29.9	1.293	0.605	48.1	21.1	27 W	18*	13*
10 23	12 22.22	− 3 39.8	1.283	0.539	46.8	20.8	23 W	15*	10*
10 28	12 57.45	− 7 1.3	1.281	0.468	43.3	20.4	19 W	11*	7*
11 2	13 36.70	−10 30.6	1.284	0.395	36.0	19.8	14 W	6*	3*
11 7	14 21.07	−14 0.9	1.287	0.328	22.1	19.0	7 W	—	—
11 9	14 40.43	−15 22.6	1.285	0.306	13.9	18.6	4 W	—	—
11 11	15 0.67	−16 41.0	1.278	0.290	4.4	18.0	1 W	—	—
11 13	15 21.62	−17 54.4	1.267	0.280	7.0	18.1	2 E	—	—
11 15	15 42.98	−19 0.8	1.250	0.279	18.4	18.5	5 E	—	—
11 17	16 4.38	−19 58.8	1.228	0.287	29.5	18.8	8 E	—	2*
11 19	16 25.52	−20 47.6	1.202	0.302	39.6	19.2	11 E	1*	4*
11 21	16 46.20	−21 27.0	1.173	0.322	48.1	19.5	14 E	2*	7*
11 23	17 6.35	−21 57.3	1.144	0.347	55.1	19.8	17 E	4*	10*
11 25	17 25.96	−22 19.0	1.116	0.374	60.6	20.1	19 E	5*	12*
11 27	17 45.07	−22 32.7	1.089	0.402	64.8	20.3	22 E	7*	14*
11 29	18 3.72	−22 38.8	1.064	0.432	68.0	20.5	24 E	8*	16*
12 1	18 21.95	−22 37.7	1.041	0.461	70.3	20.7	26 E	10*	18*
12 3	18 39.78	−22 29.9	1.021	0.490	71.9	20.8	28 E	11*	20*
12 5	18 57.22	−22 15.8	1.003	0.518	73.0	20.9	30 E	12*	21*
12 7	19 14.26	−21 55.6	0.988	0.546	73.6	21.0	32 E	14*	23*
12 12	19 55.08	−20 42.0	0.961	0.612	73.8	21.2	37 E	17*	26*
12 17	20 33.14	−19 1.0	0.948	0.672	72.5	21.4	41 E	20*	29*
12 22	21 8.27	−17 0.7	0.947	0.726	70.6	21.5	44 E	23*	31*
12 27	21 40.44	−14 48.8	0.956	0.775	68.3	21.6	47 E	26*	33*

168044 2005 SG

10 18	11 55.22	+25 0.8	1.477	0.991	42.1	21.5	42 W	35*	—
10 23	12 14.87	+22 2.7	1.467	0.967	42.3	21.4	41 W	34*	—
10 28	12 33.98	+18 53.0	1.458	0.942	42.4	21.3	40 W	33*	1*
11 2	12 52.64	+15 32.4	1.452	0.916	42.5	21.3	39 W	32*	2*
11 7	13 10.98	+12 2.0	1.446	0.890	42.4	21.2	37 W	31*	3*
11 12	13 29.13	+ 8 22.7	1.442	0.865	42.2	21.1	36 W	30*	4*
11 17	13 47.27	+ 4 35.6	1.440	0.840	41.9	21.0	35 W	28*	6*
11 22	14 5.56	+ 0 41.7	1.439	0.816	41.4	21.0	33 W	27*	7*
11 27	14 24.21	− 3 17.4	1.440	0.793	40.8	20.9	32 W	24*	9*
12 2	14 43.46	− 7 19.9	1.442	0.771	40.1	20.8	30 W	22*	11*
12 7	15 3.56	−11 23.5	1.445	0.752	39.2	20.7	29 W	19*	13*
12 12	15 24.80	−15 25.1	1.450	0.735	38.2	20.7	28 W	16*	14*
12 17	15 47.46	−19 20.7	1.457	0.721	37.1	20.6	26 W	13*	15*
12 22	16 11.80	−23 5.3	1.466	0.711	35.9	20.6	25 W	10*	16*
12 27	16 38.04	−26 33.2	1.478	0.705	34.7	20.5	24 W	6*	17*
1 1	17 6.29	−29 37.9	1.491	0.703	33.4	20.5	23 W	3*	17*
1 6	17 36.52	−32 12.9	1.507	0.706	32.0	20.5	22 W	—	16*
1 11	18 8.42	−34 12.4	1.526	0.712	30.7	20.5	22 W	—	15*
1 16	18 41.46	−35 32.0	1.548	0.722	29.3	20.5	21 W	—	14*

302169 2001 TD_{45}

10 18	12 21.38	+ 9 34.5	1.178	0.520	57.1	20.9	26 W	20*	1*
10 23	12 56.29	+ 3 3.6	1.173	0.412	54.9	20.3	20 W	14*	—
10 28	13 35.18	− 4 42.3	1.182	0.295	44.4	19.3	12 W	6*	—
11 2	14 22.58	−14 3.5	1.181	0.192	9.1	17.3	2 W	—	—
11 7	15 20.03	−23 5.8	1.090	0.206	56.5	18.7	10 E	—	4*
11 9	15 42.70	−25 35.2	1.035	0.246	72.7	19.5	14 E	—	7*
11 11	16 4.95	−27 28.4	0.983	0.293	82.8	20.1	17 E	—	11*
11 13	16 27.16	−28 52.6	0.936	0.340	88.9	20.5	20 E	—	14*
11 15	16 49.58	−29 52.3	0.895	0.387	92.4	20.9	23 E	—	17*
11 17	17 12.30	−30 29.7	0.859	0.433	94.1	21.1	26 E	—	20*
11 19	17 35.28	−30 46.1	0.829	0.476	94.5	21.3	29 E	2*	23*
11 21	17 58.38	−30 42.2	0.805	0.518	94.1	21.4	32 E	4*	25*
11 23	18 21.38	−30 18.9	0.786	0.559	92.9	21.4	34 E	6*	28*
11 25	18 44.04	−29 37.4	0.772	0.597	91.3	21.5	37 E	8*	31*
11 27	19 6.11	−28 39.5	0.763	0.634	89.3	21.5	40 E	10*	33*
11 29	19 27.37	−27 27.5	0.759	0.670	87.1	21.5	43 E	13*	35*

163023 2001 XU_1

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 18	12 25.70	+12 15.5	1.596	0.846	32.8	21.3	27 W	21*	—
10 23	12 48.17	+ 9 25.1	1.559	0.795	33.2	21.2	26 W	20*	—
10 28	13 11.58	+ 6 15.3	1.525	0.740	33.3	21.0	24 W	18*	—
11 2	13 36.10	+ 2 45.1	1.494	0.683	32.8	20.7	22 W	16*	—
11 7	14 1.98	− 1 6.3	1.467	0.622	31.4	20.4	19 W	13*	—
11 17	14 59.34	− 9 52.4	1.423	0.497	23.8	19.7	12 W	6*	—
11 27	16 8.23	−19 40.6	1.377	0.391	4.2	18.3	2 W	—	—
12 7	17 33.40	−28 30.6	1.289	0.367	29.2	18.9	10 E	—	4*
12 9	17 52.14	−29 48.4	1.265	0.376	35.8	19.1	13 E	—	7*
12 11	18 11.21	−30 52.6	1.240	0.389	41.7	19.3	15 E	—	9*
12 13	18 30.51	−31 42.1	1.216	0.405	47.0	19.5	18 E	—	12*
12 15	18 49.90	−32 16.6	1.191	0.425	51.5	19.7	20 E	—	14*
12 17	19 9.28	−32 35.9	1.168	0.446	55.3	19.9	22 E	—	16*
12 19	19 28.53	−32 40.4	1.145	0.469	58.4	20.1	24 E	—	18*
12 21	19 47.54	−32 30.3	1.125	0.493	60.8	20.2	26 E	2*	20*
12 23	20 6.22	−32 6.6	1.106	0.518	62.8	20.3	28 E	3*	22*
12 25	20 24.47	−31 29.9	1.090	0.543	64.2	20.4	30 E	5*	23*
12 27	20 42.21	−30 41.3	1.076	0.568	65.2	20.5	32 E	6*	25*
12 29	20 59.39	−29 41.9	1.064	0.593	65.8	20.6	33 E	8*	27*
12 31	21 15.95	−28 32.9	1.054	0.618	66.2	20.7	35 E	10*	28*
1 2	21 31.86	−27 15.6	1.047	0.643	66.2	20.8	37 E	11*	29*
1 4	21 47.11	−25 51.0	1.042	0.667	66.1	20.8	38 E	13*	30*
1 6	22 1.70	−24 20.5	1.040	0.691	65.7	20.9	40 E	15*	31*
1 8	22 15.62	−22 45.3	1.039	0.714	65.2	21.0	41 E	17*	32*
1 10	22 28.91	−21 6.5	1.041	0.737	64.6	21.0	43 E	18*	33*
1 12	22 41.57	−19 25.1	1.044	0.759	63.8	21.1	44 E	20*	33*
1 14	22 53.65	−17 42.1	1.049	0.781	63.0	21.1	45 E	22*	34*
1 16	23 5.17	−15 58.2	1.056	0.802	62.2	21.2	46 E	24*	34*

434326 2004 JG_6

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
10 18	12 30.24	+ 2 27.4	0.856	0.343	104.1	19.6	20 W	13*	2*
10 19	12 31.09	+ 2 54.8	0.880	0.354	98.5	19.4	21 W	14*	3*
10 20	12 32.34	+ 3 15.5	0.905	0.366	93.4	19.3	22 W	15*	3*
10 21	12 33.92	+ 3 30.1	0.929	0.378	88.7	19.3	22 W	16*	3*
10 22	12 35.78	+ 3 39.4	0.953	0.391	84.5	19.2	23 W	17*	3*
10 23	12 37.88	+ 3 44.2	0.977	0.404	80.6	19.2	24 W	17*	3*
10 24	12 40.17	+ 3 45.1	1.001	0.417	77.1	19.2	24 W	18*	4*
10 25	12 42.62	+ 3 42.5	1.024	0.430	73.9	19.2	25 W	18*	4*
10 26	12 45.20	+ 3 37.1	1.046	0.444	70.9	19.2	25 W	19*	4*
10 27	12 47.89	+ 3 29.1	1.068	0.457	68.3	19.2	25 W	19*	4*
10 28	12 50.66	+ 3 19.0	1.089	0.471	65.8	19.3	26 W	19*	4*
10 30	12 56.39	+ 2 53.6	1.129	0.498	61.5	19.3	26 W	20*	5*
11 1	13 2.28	+ 2 22.8	1.166	0.524	57.9	19.4	27 W	20*	5*
11 3	13 8.28	+ 1 48.0	1.201	0.550	54.8	19.5	27 W	21*	5*
11 5	13 14.32	+ 1 10.4	1.234	0.575	52.1	19.6	27 W	21*	6*
11 7	13 20.38	+ 0 30.8	1.265	0.600	49.9	19.7	28 W	21*	6*
11 12	13 35.48	− 1 13.9	1.332	0.658	45.5	19.8	28 W	22*	7*
11 17	13 50.42	− 3 2.0	1.388	0.710	42.5	20.0	29 W	22*	8*
11 22	14 5.18	− 4 50.4	1.433	0.758	40.5	20.2	30 W	22*	10*
11 27	14 19.80	− 6 37.5	1.469	0.800	39.1	20.3	31 W	22*	12*
12 7	14 48.90	−10 5.2	1.518	0.870	37.7	20.5	33 W	22*	15*
12 17	15 18.36	−13 21.9	1.538	0.921	37.5	20.7	35 W	22*	20*
12 27	15 48.81	−16 26.6	1.536	0.954	38.2	20.8	37 W	21*	24*
1 6	16 21.02	−19 18.0	1.514	0.971	39.5	20.8	39 W	19*	28*
1 16	16 55.86	−21 53.6	1.475	0.970	41.3	20.8	41 W	17*	32*

523636 2010 EX_{119}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
10 18	12 34.79	− 8 39.8	1.870	0.936	15.0	21.4	14 W	5*	6*
10 23	12 58.07	−10 11.9	1.839	0.898	14.4	21.2	13 W	4*	5*
10 28	13 22.38	−11 40.4	1.813	0.864	13.5	21.1	12 W	3*	4*
11 2	13 47.71	−13 3.4	1.791	0.834	12.2	20.9	10 W	2*	2*
11 7	14 13.99	−14 18.9	1.774	0.808	10.7	20.8	9 W	1*	1*
11 12	14 41.13	−15 24.8	1.762	0.789	8.9	20.6	7 W	—	—
11 17	15 8.95	−16 19.3	1.754	0.777	7.2	20.5	6 W	—	—
11 22	15 37.24	−17 1.0	1.752	0.771	5.7	20.4	4 W	—	—
11 27	16 5.78	−17 28.7	1.754	0.773	5.0	20.4	4 W	—	—
12 2	16 34.28	−17 42.1	1.762	0.782	5.4	20.4	4 E	—	—
12 7	17 2.50	−17 41.3	1.774	0.798	6.4	20.5	5 E	—	—
12 12	17 30.19	−17 27.0	1.791	0.820	7.7	20.7	6 E	—	—
12 17	17 57.14	−17 0.2	1.813	0.848	8.9	20.8	8 E	2*	—
12 22	18 23.19	−16 22.2	1.840	0.881	9.8	21.0	9 E	3*	—
12 27	18 48.21	−15 34.8	1.871	0.917	10.4	21.1	10 E	4*	—
1 1	19 12.14	−14 39.5	1.906	0.956	10.8	21.3	10 E	4*	—
1 6	19 34.95	−13 37.9	1.945	0.997	10.8	21.4	11 E	5*	—

456973 2008 BS_2

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 18	12 41.35	−12 19.7	2.483	1.526	8.2	21.5	13 W	1*	6*
10 28	13 7.98	−15 23.7	2.394	1.459	10.3	21.4	15 W	3*	8*
11 7	13 37.00	−18 29.6	2.303	1.389	12.3	21.3	17 W	4*	10*
11 17	14 8.97	−21 32.6	2.211	1.317	14.2	21.1	19 W	5*	12*
11 27	14 44.47	−24 25.6	2.121	1.244	16.0	21.0	20 W	4*	13*
12 7	15 24.06	−26 58.0	2.036	1.171	17.6	20.8	21 W	4*	14*
12 17	16 8.12	−28 56.0	1.959	1.100	18.8	20.6	21 W	2*	15*
12 27	16 56.51	−30 2.4	1.893	1.031	19.5	20.4	21 W	1*	14*
1 1	17 22.10	−30 10.8	1.865	0.999	19.6	20.3	20 W	—	14*
1 6	17 48.39	−30 0.1	1.840	0.968	19.6	20.2	19 W	—	13*
1 11	18 15.16	−29 28.9	1.820	0.940	19.3	20.1	18 W	—	12*
1 16	18 42.15	−28 36.3	1.804	0.914	18.7	20.0	17 W	—	11*

276400 2002 XS_{45}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
10 18	13 30.52	− 7 54.8	3.588	2.592	0.7	21.4	2 W	—	—
10 28	13 46.49	− 9 35.6	3.555	2.571	2.6	21.5	7 W	1*	—
11 7	14 2.78	−11 14.0	3.508	2.548	4.8	21.6	12 W	5*	2*
11 17	14 19.41	−12 49.6	3.447	2.525	6.9	21.6	18 W	10*	6*
11 27	14 36.35	−14 21.5	3.373	2.501	9.1	21.6	24 W	14*	11*

461501 2003 FT_3

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
10 18	13 34.17	− 8 43.7	2.421	1.425	0.7	21.4	1 E	—	—
10 28	14 5.47	−11 22.1	2.356	1.364	1.5	21.3	2 W	—	—
11 7	14 39.05	−13 54.5	2.296	1.308	2.6	21.3	3 W	—	—
11 17	15 15.04	−16 14.9	2.242	1.259	3.5	21.2	4 W	—	—
11 27	15 53.38	−18 15.5	2.197	1.218	4.2	21.1	5 W	—	—
12 7	16 33.83	−19 48.6	2.163	1.187	4.7	21.1	6 W	—	—
12 17	17 15.89	−20 47.3	2.141	1.167	5.0	21.0	6 W	—	—
12 27	17 58.80	−21 6.4	2.132	1.159	5.2	21.0	6 W	—	—
1 6	18 41.67	−20 44.3	2.135	1.163	5.3	21.0	6 W	—	—
1 16	19 23.61	−19 43.0	2.152	1.180	5.5	21.1	7 W	—	—

280488 2004 LL_{31}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
10 18	13 34.91	−11 39.0	3.678	2.683	0.8	21.4	2 E	—	—
10 28	13 51.01	−12 59.7	3.650	2.661	1.7	21.5	5 W	—	—
11 7	14 7.45	−14 17.9	3.608	2.638	3.8	21.5	10 W	2*	2*
11 17	14 24.21	−15 33.0	3.551	2.615	6.0	21.6	16 W	7*	6*
11 27	14 41.26	−16 43.9	3.480	2.591	8.1	21.6	22 W	11*	11*

351615 2005 WU_{55}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
10 18	13 38.34	−12 34.2	3.280	2.287	1.5	21.5	3 E	—	—
10 28	13 57.45	−14 14.2	3.250	2.258	1.4	21.4	3 W	—	—
11 7	14 17.16	−15 51.0	3.208	2.230	3.4	21.5	8 W	—	1*
11 17	14 37.52	−17 23.5	3.155	2.201	5.6	21.6	13 W	4*	4*
11 27	14 58.51	−18 50.3	3.093	2.171	7.8	21.6	17 W	7*	8*

387826 2004 GD_{39}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
10 18	13 42.84	− 7 33.6	2.837	1.843	1.8	21.4	3 E	—	—
10 28	14 6.11	−10 0.5	2.808	1.817	1.8	21.4	3 W	—	—
11 7	14 30.21	−12 22.6	2.776	1.793	3.3	21.4	6 W	—	—
11 17	14 55.20	−14 37.9	2.738	1.770	5.2	21.5	9 W	3*	—
11 27	15 21.12	−16 44.0	2.697	1.749	7.2	21.5	13 W	5*	2*

308020 2004 RM_{222}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
10 18	13 45.49	−13 56.6	4.534	3.543	1.5	21.4	5 E	—	—
10 28	13 57.08	−15 14.1	4.565	3.574	1.0	21.4	4 W	—	—
11 7	14 8.61	−16 29.5	4.577	3.605	2.7	21.6	10 W	1*	3*
11 17	14 20.03	−17 42.4	4.570	3.634	4.5	21.7	17 W	6*	8*
11 27	14 31.22	−18 52.7	4.544	3.663	6.2	21.8	24 W	11*	14*

203467 2001 YR_{151}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
10 18	13 47.38	−14 43.9	3.552	2.565	2.5	21.4	6 E	—	—
10 28	14 4.23	−16 19.8	3.530	2.539	1.4	21.2	4 W	—	—
11 7	14 21.60	−17 53.5	3.494	2.513	2.7	21.3	7 W	—	1*
11 17	14 39.48	−19 24.4	3.445	2.486	4.7	21.4	12 W	2*	5*
11 27	14 57.87	−20 51.4	3.382	2.458	6.8	21.4	17 W	5*	9*
12 7	15 16.75	−22 13.6	3.308	2.429	9.0	21.4	23 W	9*	14*
12 17	15 36.11	−23 30.2	3.222	2.400	11.2	21.4	28 W	11*	19*
12 27	15 55.90	−24 40.3	3.125	2.370	13.3	21.4	34 W	12*	25*
1 6	16 16.09	−25 43.2	3.018	2.339	15.4	21.4	39 W	13*	31*
1 16	16 36.61	−26 38.2	2.903	2.308	17.4	21.3	45 W	14*	37*

85118 1971 UU

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
10 18	13 47.70	−11 22.8	4.323	3.330	1.3	21.4	4 E	—	—
10 28	14 0.46	−12 30.1	4.299	3.307	0.7	21.3	2 W	—	—
11 7	14 13.46	−13 35.9	4.258	3.283	2.7	21.4	9 W	2*	—
11 17	14 26.65	−14 39.5	4.198	3.258	4.7	21.5	16 W	7*	5*
11 27	14 39.97	−15 40.3	4.121	3.232	6.7	21.5	22 W	12*	11*

100933 1998 MK_{30}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 18	13 49.80	−10 41.9	4.170	3.178	1.4	21.4	5 E	—	—
10 28	14 3.07	−11 47.9	4.142	3.149	0.7	21.3	2 W	—	—
11 7	14 16.63	−12 52.1	4.096	3.120	2.7	21.4	9 W	2*	—
11 17	14 30.45	−13 53.9	4.033	3.089	4.8	21.5	15 W	7*	4*
11 27	14 44.46	−14 52.4	3.952	3.057	6.8	21.5	22 W	12*	10*

514914 2008 TN_{26}

10 18	13 52.31	−14 8.8	1.796	0.815	8.3	21.4	7 E	—	1*
10 23	14 17.13	−15 42.7	1.748	0.773	10.0	21.3	8 E	—	2*
10 28	14 43.58	−17 9.1	1.701	0.737	12.3	21.2	9 E	—	3*
11 2	15 11.66	−18 24.7	1.656	0.707	15.2	21.2	11 E	—	5*
11 7	15 41.29	−19 25.8	1.615	0.685	18.7	21.2	13 E	—	6*
11 12	16 12.24	−20 9.2	1.576	0.672	22.6	21.2	15 E	2*	8*
11 17	16 44.23	−20 32.1	1.542	0.669	26.5	21.3	18 E	4*	10*
11 22	17 16.84	−20 32.7	1.512	0.677	30.2	21.4	20 E	7*	12*
11 27	17 49.63	−20 10.5	1.489	0.695	33.5	21.5	23 E	9*	14*

453563 2010 BB

10 18	13 55.90	−15 44.6	1.714	0.743	11.4	21.4	8 E	—	2*
10 23	14 20.47	−17 24.6	1.679	0.716	13.1	21.4	9 E	—	3*
10 28	14 46.30	−18 54.1	1.643	0.690	15.2	21.3	10 E	—	4*
11 2	15 13.43	−20 10.2	1.604	0.665	17.8	21.3	12 E	—	6*
11 7	15 41.83	−21 10.0	1.564	0.643	20.9	21.2	13 E	—	7*
11 12	16 11.39	−21 50.6	1.522	0.623	24.6	21.2	15 E	1*	9*
11 17	16 41.93	−22 9.5	1.478	0.608	28.7	21.2	17 E	3*	10*
11 22	17 13.16	−22 4.8	1.433	0.598	33.2	21.3	19 E	5*	12*
11 27	17 44.79	−21 35.8	1.386	0.593	37.8	21.3	22 E	7*	14*
12 2	18 16.48	−20 42.9	1.338	0.594	42.5	21.4	24 E	10*	15*
12 7	18 47.95	−19 27.6	1.291	0.601	47.0	21.4	26 E	13*	16*

88254 2001 FM_{129}

10 18	13 58.84	−12 59.8	2.790	1.806	4.1	21.5	7 E	—	1*
10 28	14 18.93	−14 42.9	2.831	1.839	1.5	21.4	3 E	—	—
11 7	14 38.92	−16 18.0	2.856	1.867	1.3	21.4	2 W	—	—
11 17	14 58.89	−17 45.0	2.865	1.889	3.9	21.6	7 W	—	—
11 27	15 18.89	−19 3.7	2.857	1.906	6.5	21.8	13 W	4*	4*

298767 2004 NS_3

10 18	14 4.81	−14 15.2	2.931	1.954	4.7	21.5	9 E	—	3*
10 28	14 27.09	−16 28.8	2.909	1.922	2.8	21.3	5 E	—	—
11 7	14 50.43	−18 37.1	2.881	1.891	1.2	21.2	2 E	—	—
11 17	15 14.91	−20 38.3	2.846	1.860	2.1	21.2	4 W	—	—
11 27	15 40.56	−22 29.8	2.805	1.831	4.0	21.2	7 W	—	1*
12 7	16 7.39	−24 9.3	2.759	1.802	6.0	21.3	11 W	—	4*
12 17	16 35.40	−25 34.3	2.709	1.775	8.1	21.3	15 W	2*	8*
12 27	17 4.51	−26 42.2	2.656	1.749	10.1	21.3	18 W	3*	11*
1 6	17 34.57	−27 30.6	2.601	1.725	12.1	21.3	22 W	3*	15*
1 16	18 5.40	−27 57.5	2.543	1.703	14.1	21.3	25 W	4*	19*

162452 2000 HO_{14}

10 18	14 10.26	−12 52.3	2.371	1.401	7.1	21.4	10 E	—	4*
10 28	14 42.37	−15 5.8	2.336	1.360	5.9	21.3	8 E	—	2*
11 7	15 16.35	−17 5.8	2.303	1.324	4.9	21.1	7 E	—	—
11 17	15 52.17	−18 46.8	2.275	1.294	4.0	21.0	5 E	—	—
11 27	16 29.59	−20 2.8	2.253	1.271	3.3	20.9	4 E	—	—
12 7	17 8.25	−20 48.9	2.238	1.256	2.8	20.8	4 E	—	—
12 17	17 47.66	−21 1.4	2.231	1.250	2.4	20.8	3 E	—	—
12 27	18 27.17	−20 38.8	2.233	1.251	2.2	20.8	3 E	—	—
1 6	19 6.17	−19 42.0	2.242	1.261	2.2	20.8	3 W	—	—
1 16	19 44.10	−18 14.2	2.260	1.279	2.5	20.9	3 W	—	—

360436 2002 JE_{70}

10 18	14 16.21	− 9 37.1	2.694	1.726	6.3	21.4	11 E	2*	4*
10 28	14 41.67	−11 55.3	2.666	1.687	4.6	21.3	8 E	—	—
11 7	15 8.41	−14 6.7	2.635	1.650	3.1	21.1	5 E	—	—
11 17	15 36.49	−16 8.4	2.603	1.616	2.0	21.0	3 E	—	—
11 27	16 5.92	−17 57.1	2.569	1.585	2.2	20.9	3 W	—	—
12 7	16 36.64	−19 29.3	2.536	1.558	3.4	20.9	5 W	—	—
12 17	17 8.54	−20 41.7	2.504	1.534	4.8	20.9	8 W	1*	—
12 27	17 41.41	−21 31.5	2.474	1.515	6.4	21.0	10 W	2*	2*
1 6	18 14.97	−21 56.3	2.446	1.500	8.0	21.0	12 W	2*	4*
1 16	18 48.89	−21 55.0	2.421	1.489	9.5	21.0	14 W	3*	7*

396795 2004 NJ_8

10 18	14 25.33	−27 55.0	3.407	2.514	8.6	21.5	22 E	—	13*
10 28	14 44.93	−28 45.1	3.410	2.482	7.0	21.4	18 E	—	8*
11 7	15 5.19	−29 31.7	3.401	2.450	5.5	21.3	14 E	—	4*
11 17	15 26.10	−30 13.3	3.378	2.416	4.6	21.2	11 W	—	—
11 27	15 47.61	−30 48.4	3.343	2.382	4.6	21.1	11 W	—	4*
12 7	16 9.68	−31 15.3	3.295	2.348	5.5	21.1	13 W	—	7*
12 17	16 32.23	−31 32.8	3.236	2.312	7.1	21.1	17 W	—	11*

396795 2004 NJ_8 *(continuation)*

12 27	16 55.18	−31 39.2	3.165	2.276	9.0	21.1	21 W	—	15*
1 6	17 18.43	−31 33.4	3.083	2.239	11.0	21.1	26 W	2*	20*
1 16	17 41.86	−31 14.2	2.991	2.202	13.2	21.1	31 W	4*	25*

159612 2002 AV_{17}

10 18	14 28.54	− 7 49.5	3.542	2.587	5.4	21.5	14 E	5*	6*
10 28	14 44.85	− 9 16.0	3.534	2.559	3.6	21.3	9 E	3*	—
11 7	15 1.70	−10 38.4	3.512	2.529	2.5	21.2	6 E	—	—
11 17	15 19.09	−11 56.0	3.476	2.499	3.0	21.2	7 W	1*	—
11 27	15 36.99	−13 7.9	3.426	2.467	4.6	21.2	12 W	6*	—
12 7	15 55.37	−14 13.2	3.364	2.435	6.6	21.3	16 W	10*	2*
12 17	16 14.21	−15 11.2	3.290	2.402	8.7	21.3	22 W	13*	8*
12 27	16 33.45	−16 1.1	3.204	2.369	10.8	21.3	27 W	16*	14*
1 6	16 53.05	−16 42.3	3.107	2.334	13.0	21.3	32 W	18*	20*
1 16	17 12.96	−17 14.3	3.001	2.299	15.1	21.2	37 W	19*	26*

124311 2001 QO_{73}

10 18	14 38.82	−16 11.2	3.465	2.534	6.8	21.4	18 E	1*	12*
10 28	14 56.27	−17 23.6	3.474	2.511	4.7	21.3	12 E	—	6*
11 7	15 14.31	−18 32.0	3.470	2.488	2.6	21.2	6 E	—	—
11 17	15 32.91	−19 35.3	3.452	2.464	0.4	20.9	1 E	—	—
11 27	15 52.03	−20 32.3	3.421	2.439	1.9	21.0	5 W	—	—
12 7	16 11.65	−21 22.1	3.377	2.413	4.1	21.1	10 W	2*	2*
12 17	16 31.71	−22 3.8	3.320	2.387	6.4	21.2	16 W	5*	7*
12 27	16 52.15	−22 36.5	3.251	2.360	8.6	21.2	21 W	8*	12*
1 6	17 12.89	−22 59.4	3.172	2.332	10.8	21.2	26 W	10*	18*
1 16	17 33.86	−23 11.9	3.081	2.304	13.0	21.2	32 W	11*	24*

409256 2004 HO_1

10 18	14 44.03	−20 49.7	2.218	1.333	15.3	21.4	21 E	—	15*
10 23	14 58.56	−22 42.7	2.193	1.301	15.0	21.3	20 E	—	13*
10 28	15 13.97	−24 34.3	2.168	1.270	14.7	21.2	19 E	—	13*
11 2	15 30.34	−26 23.4	2.141	1.240	14.6	21.1	18 E	—	12*
11 7	15 47.77	−28 8.7	2.115	1.212	14.6	21.1	18 E	—	11*
11 12	16 6.33	−29 48.9	2.088	1.185	14.8	21.0	18 E	—	11*
11 17	16 26.09	−31 22.2	2.062	1.160	15.1	20.9	18 E	—	11*
11 22	16 47.09	−32 46.6	2.037	1.137	15.4	20.9	18 E	—	11*
11 27	17 9.34	−33 59.9	2.012	1.117	15.9	20.8	18 E	—	11*
12 2	17 32.78	−34 59.7	1.990	1.099	16.5	20.8	18 E	—	12*
12 7	17 57.33	−35 43.7	1.969	1.084	17.1	20.8	19 E	—	12*
12 12	18 22.81	−36 9.7	1.951	1.073	17.7	20.7	19 E	—	13*
12 17	18 48.98	−36 15.7	1.936	1.064	18.3	20.7	20 E	—	13*
12 22	19 15.53	−36 0.5	1.924	1.058	18.9	20.7	20 E	—	14*
12 27	19 42.14	−35 23.6	1.915	1.056	19.4	20.7	21 E	—	15*
1 1	20 8.45	−34 25.2	1.911	1.058	19.8	20.7	21 E	—	15*
1 6	20 34.19	−33 6.4	1.911	1.063	20.1	20.7	22 E	—	16*
1 11	20 59.10	−31 28.9	1.916	1.071	20.3	20.8	22 E	—	16*
1 16	21 23.02	−29 35.3	1.925	1.083	20.3	20.8	22 E	1*	16*

85383 1996 MS

10 18	14 49.56	−11 2.8	3.654	2.732	6.9	21.4	19 E	6*	12*
10 28	15 5.27	−12 18.2	3.651	2.695	4.9	21.3	14 E	4*	6*
11 7	15 21.63	−13 29.9	3.634	2.657	3.1	21.1	8 E	1*	—
11 17	15 38.64	−14 37.1	3.603	2.619	1.8	21.0	5 E	—	—
11 27	15 56.25	−15 38.8	3.558	2.580	2.5	21.0	7 W	1*	—
12 7	16 14.43	−16 34.1	3.499	2.540	4.4	21.0	11 W	5*	—
12 17	16 33.15	−17 22.2	3.427	2.500	6.4	21.1	17 W	9*	5*
12 27	16 52.35	−18 2.2	3.344	2.459	8.6	21.1	22 W	11*	10*
1 6	17 11.99	−18 33.5	3.249	2.418	10.8	21.1	27 W	14*	16*
1 16	17 32.00	−18 55.6	3.144	2.377	12.9	21.0	33 W	15*	23*

333270 2146 P–L

10 18	14 49.88	−12 48.8	3.491	2.573	7.4	21.4	19 E	5*	13*
10 28	15 6.90	−13 52.9	3.480	2.527	5.4	21.3	14 E	3*	7*
11 7	15 24.71	−14 53.3	3.456	2.480	3.5	21.1	9 E	1*	1*
11 17	15 43.31	−15 48.5	3.418	2.433	1.8	20.9	5 E	—	—
11 27	16 2.66	−16 37.4	3.367	2.386	2.1	20.9	5 W	—	—
12 7	16 22.76	−17 18.5	3.305	2.338	3.9	20.9	9 W	3*	—
12 17	16 43.59	−17 50.6	3.231	2.289	6.0	20.9	14 W	7*	3*
12 27	17 5.08	−18 12.3	3.147	2.241	8.2	20.9	19 W	10*	8*
1 6	17 27.20	−18 22.5	3.055	2.192	10.5	20.9	24 W	12*	13*
1 16	17 49.90	−18 20.0	2.954	2.143	12.7	20.9	29 W	14*	18*

89766 2002 AO_{62}

10 18	14 55.28	−12 19.8	3.755	2.844	7.1	21.5	21 E	6*	14*
10 28	15 10.33	−13 26.0	3.779	2.830	5.1	21.4	15 E	4*	7*
11 7	15 25.83	−14 28.2	3.789	2.814	3.2	21.3	9 E	1*	1*
11 17	15 41.74	−15 25.6	3.783	2.798	1.6	21.1	5 E	—	—
11 27	15 58.00	−16 17.3	3.761	2.781	2.1	21.1	6 W	—	—
12 7	16 14.54	−17 2.9	3.723	2.763	3.9	21.2	11 W	4*	—
12 17	16 31.31	−17 41.6	3.671	2.744	6.0	21.3	17 W	9*	5*

89766 2002 AO_{62} *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 27	16 48.23	−18 13.2	3.604	2.724	8.0	21.3	23 W	12*	11*
1 6	17 5.21	−18 37.1	3.522	2.703	10.1	21.3	29 W	15*	18*
1 16	17 22.17	−18 53.2	3.427	2.681	12.1	21.3	35 W	17*	25*

306288 2011 SM_{28}

10 18	14 57.94	−23 5.6	2.821	1.960	12.2	21.4	25 E	—	18*
10 28	15 21.89	−24 26.3	2.823	1.924	10.4	21.3	20 E	—	14*
11 7	15 47.04	−25 37.7	2.818	1.888	8.5	21.2	16 E	—	10*
11 17	16 13.40	−26 37.3	2.806	1.853	6.7	21.1	13 E	—	6*
11 27	16 40.89	−27 22.4	2.787	1.819	4.9	20.9	9 E	—	3*
12 7	17 9.40	−27 50.5	2.762	1.786	3.4	20.8	6 E	—	—
12 17	17 38.79	−27 59.1	2.732	1.753	2.6	20.7	5 W	—	—
12 27	18 8.86	−27 46.3	2.698	1.722	3.2	20.7	6 W	—	—
1 6	18 39.34	−27 10.5	2.661	1.693	4.6	20.7	8 W	—	2*
1 16	19 10.02	−26 11.0	2.622	1.665	6.3	20.7	11 W	—	5*

177953 2006 MQ_6

10 18	15 24.98	−14 56.1	3.051	2.222	12.2	21.5	28 E	9*	21*
10 28	15 44.75	−16 5.7	3.063	2.184	10.3	21.4	23 E	7*	16*
11 7	16 5.47	−17 8.7	3.064	2.146	8.3	21.3	18 E	6*	11*
11 17	16 27.15	−18 3.6	3.055	2.107	6.3	21.1	14 E	4*	6*
11 27	16 49.73	−18 48.7	3.037	2.069	4.4	21.0	9 E	2*	1*
12 7	17 13.17	−19 22.5	3.010	2.031	2.6	20.8	5 E	—	—
12 17	17 37.41	−19 43.4	2.974	1.993	1.8	20.7	4 W	—	—
12 27	18 2.35	−19 50.2	2.931	1.956	3.0	20.7	6 W	—	—
1 6	18 27.90	−19 41.7	2.881	1.919	4.9	20.7	10 W	2*	1*
1 16	18 53.96	−19 17.1	2.826	1.883	7.0	20.7	14 W	4*	5*

390725 2003 HB

10 18	15 31.91	−24 38.4	1.360	0.742	45.8	21.5	32 E	2*	26*
10 23	15 51.17	−26 41.2	1.305	0.704	48.9	21.3	32 E	2*	26*
10 28	16 11.56	−28 37.0	1.244	0.666	52.7	21.2	32 E	1*	26*
11 2	16 33.07	−30 22.5	1.175	0.630	57.6	21.1	32 E	1*	26*
11 7	16 55.55	−31 53.3	1.099	0.596	63.7	21.0	33 E	—	26*
11 12	17 18.66	−33 4.0	1.016	0.567	71.0	21.0	33 E	1*	27*
11 17	17 41.74	−33 48.1	0.927	0.545	79.8	21.0	33 E	1*	27*
11 22	18 3.77	−33 58.3	0.834	0.531	89.9	21.1	33 E	1*	26*
11 27	18 23.46	−33 26.8	0.739	0.526	101.2	21.3	32 E	2*	26*

424003 2006 WD_3

10 18	15 52.03	−22 25.4	2.995	2.265	15.0	21.5	36 E	7*	30*
10 28	16 11.75	−22 33.8	3.019	2.221	13.1	21.4	30 E	6*	24*
11 7	16 32.35	−22 36.2	3.032	2.175	11.1	21.3	25 E	5*	19*
11 17	16 53.80	−22 30.7	3.033	2.130	9.1	21.2	20 E	4*	13*
11 27	17 16.02	−22 15.2	3.022	2.084	7.0	21.0	15 E	3*	8*
12 7	17 38.94	−21 48.0	3.000	2.038	4.9	20.8	10 E	1*	2*
12 17	18 2.49	−21 7.4	2.969	1.992	2.9	20.7	6 E	—	—
12 27	18 26.57	−20 11.9	2.928	1.947	1.6	20.5	3 E	—	—
1 6	18 51.10	−19 0.2	2.878	1.901	2.7	20.5	5 W	—	—
1 16	19 16.00	−17 31.3	2.822	1.857	4.7	20.5	9 W	2*	—

316857 2000 NH_{10}

10 18	17 7.68	−21 45.1	2.278	1.859	25.4	21.5	53 E	16*	46*
10 28	17 30.06	−22 4.9	2.311	1.810	24.2	21.4	48 E	16*	41*
11 7	17 53.93	−22 13.0	2.336	1.761	22.9	21.4	44 E	15*	36*
11 17	18 19.19	−22 7.0	2.354	1.713	21.6	21.3	40 E	15*	32*
11 27	18 45.69	−21 44.5	2.365	1.666	20.2	21.2	36 E	15*	27*
12 7	19 13.26	−21 3.5	2.370	1.621	18.8	21.1	32 E	14*	22*
12 17	19 41.75	−20 2.5	2.369	1.577	17.4	21.0	29 E	14*	18*
12 27	20 10.98	−18 40.3	2.365	1.537	16.0	20.9	25 E	13*	14*
1 6	20 40.77	−16 56.8	2.358	1.499	14.6	20.8	23 E	12*	11*
1 16	21 10.97	−14 52.3	2.350	1.464	13.3	20.7	20 E	11*	8*

439437 2013 NK_4

10 18	17 24.84	−28 50.1	1.379	1.193	44.9	21.5	58 E	11*	52*
10 28	17 50.00	−28 37.5	1.372	1.113	45.7	21.4	53 E	11*	47*
11 7	18 16.90	−28 7.3	1.345	1.024	47.1	21.2	49 E	12*	43*
11 17	18 45.44	−27 13.8	1.294	0.926	49.6	20.9	45 E	13*	39*
11 27	19 15.31	−25 51.0	1.217	0.820	53.8	20.7	42 E	14*	34*
12 7	19 45.63	−23 52.3	1.109	0.710	61.0	20.4	39 E	15*	30*
12 12	20 0.34	−22 38.0	1.043	0.654	66.4	20.2	37 E	16*	28*
12 17	20 14.07	−21 13.9	0.967	0.600	73.7	20.1	36 E	16*	26*
12 22	20 25.80	−19 41.9	0.883	0.550	83.2	20.0	34 E	17*	23*
12 27	20 33.91	−18 6.9	0.792	0.507	95.9	20.2	31 E	16*	19*
12 29	20 35.60	−17 29.9	0.755	0.493	101.9	20.3	29 E	16*	17*
12 31	20 36.12	−16 54.7	0.718	0.481	108.6	20.5	28 E	15*	15*
1 2	20 35.28	−16 22.2	0.681	0.472	115.9	20.8	26 E	15*	13*
1 4	20 32.86	−15 53.4	0.646	0.465	123.7	21.2	23 E	13*	11*

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°

428694 Saule

10 18	17 35.84	−27 48.1	0.969	0.982	61.4	21.5	60 E	13*	54*
10 23	17 43.88	−29 20.3	0.943	0.924	64.4	21.4	57 E	11*	51*
10 28	17 52.24	−30 55.8	0.911	0.867	67.9	21.3	54 E	9*	48*
11 2	18 0.62	−32 35.6	0.872	0.810	72.2	21.2	51 E	7*	45*
11 7	18 8.56	−34 20.6	0.827	0.755	77.5	21.1	48 E	5*	42*
11 12	18 15.32	−36 11.8	0.776	0.702	84.0	21.0	45 E	3*	39*
11 17	18 19.70	−38 9.3	0.718	0.655	92.0	21.0	41 E	1*	35*
11 22	18 19.82	−40 10.5	0.657	0.615	101.8	21.2	38 E	—	31*
11 27	18 12.99	−42 5.9	0.595	0.585	113.5	21.5	33 E	—	26*

310737 2002 QG_{24}

10 28	3 6.29	+ 9 0.9	2.265	3.236	4.4	22.5	166 W	54	55
11 7	2 56.19	+ 8 15.5	2.273	3.257	2.5	22.4	172 W	53	56
11 17	2 46.23	+ 7 36.1	2.312	3.275	4.6	22.6	164 E	53	56
11 27	2 37.28	+ 7 6.3	2.382	3.293	7.8	22.8	153 E	52	57
12 7	2 29.97	+ 6 48.3	2.479	3.309	10.6	23.0	142 E	52	57

453778 2011 JK

10 28	3 7.48	+13 51.0	1.791	2.765	5.0	22.3	166 W	59	50
11 2	3 1.67	+13 16.6	1.774	2.760	2.9	22.1	172 W	58	51
11 7	2 55.66	+12 41.5	1.764	2.754	1.4	22.0	176 W	58	51
11 12	2 49.62	+12 6.5	1.763	2.748	2.6	22.1	173 E	57	52
11 17	2 43.69	+11 32.5	1.769	2.741	4.8	22.2	167 E	57	52
11 22	2 38.03	+11 0.3	1.783	2.733	7.0	22.4	160 E	56	53
11 27	2 32.78	+10 30.7	1.804	2.726	9.1	22.5	154 E	56	53

159518 2001 FF_7

10 28	3 21.85	−22 58.0	2.051	2.883	12.8	22.5	140 W	22	87
11 2	3 16.26	−24 6.3	2.066	2.893	12.9	22.5	140 W	21	88
11 7	3 10.50	−25 5.2	2.087	2.903	13.1	22.6	138 W	20	89
11 12	3 4.71	−25 54.3	2.115	2.913	13.6	22.6	136 E	19	90
11 17	2 59.03	−26 33.1	2.149	2.922	14.1	22.7	134 E	18	89
11 22	2 53.60	−27 1.6	2.188	2.931	14.8	22.8	131 E	18	89
11 27	2 48.54	−27 20.3	2.233	2.940	15.4	22.8	128 E	18	89

434751 2006 HV_{57}

10 28	3 28.75	+24 34.9	1.756	2.704	7.9	22.4	158 W	70	39
11 2	3 22.70	+24 8.4	1.766	2.734	5.6	22.4	164 W	69	40
11 7	3 16.56	+23 39.2	1.783	2.765	3.5	22.3	170 W	69	40
11 12	3 10.49	+23 8.1	1.808	2.795	1.9	22.2	175 W	68	41
11 17	3 4.65	+22 35.9	1.840	2.824	2.4	22.3	173 E	68	41
11 22	2 59.18	+22 3.3	1.880	2.853	4.2	22.5	168 E	67	42
11 27	2 54.19	+21 31.3	1.928	2.882	6.1	22.7	162 E	67	42
12 2	2 49.78	+21 0.7	1.983	2.911	7.9	22.9	156 E	66	43

482488 2012 SW_{20}

10 28	3 29.39	+14 4.2	1.570	2.529	7.5	23.2	161 W	59	50
11 2	3 22.50	+13 22.9	1.588	2.565	5.0	23.2	167 W	58	51
11 7	3 15.61	+12 42.5	1.614	2.600	2.8	23.1	173 W	58	51
11 12	3 8.89	+12 3.8	1.648	2.635	2.1	23.1	174 E	57	52
11 17	3 2.49	+11 27.7	1.690	2.670	3.7	23.3	170 E	56	53
11 22	2 56.57	+10 55.0	1.740	2.703	5.8	23.5	164 E	56	53
11 27	2 51.23	+10 26.1	1.797	2.737	7.8	23.7	158 E	55	54

139056 2001 FY

10 28	3 30.67	+11 49.6	1.542	2.500	7.7	22.6	160 W	57	52
11 2	3 24.88	+11 26.6	1.523	2.498	5.5	22.4	166 W	56	53
11 7	3 18.74	+11 3.7	1.512	2.496	3.5	22.3	171 W	56	53
11 12	3 12.42	+10 41.5	1.508	2.493	2.8	22.3	173 W	56	53
11 17	3 6.08	+10 20.8	1.511	2.490	4.1	22.3	170 E	55	54
11 22	2 59.93	+10 2.3	1.522	2.487	6.2	22.5	164 E	55	54
11 27	2 54.13	+ 9 46.6	1.540	2.483	8.5	22.6	158 E	55	54
12 2	2 48.83	+ 9 34.2	1.565	2.479	10.7	22.7	152 E	55	54

458198 2010 RT_{11}

10 28	3 36.74	+18 55.6	2.002	2.948	7.1	23.4	158 W	64	45
11 7	3 26.06	+18 12.2	1.974	2.957	3.0	23.1	171 W	63	46
11 17	3 14.80	+17 24.3	1.977	2.964	1.3	23.0	176 E	62	47
11 27	3 4.06	+16 36.5	2.011	2.970	5.5	23.3	163 E	62	47
12 7	2 54.82	+15 53.5	2.075	2.975	9.3	23.6	151 E	61	48

480934 2003 LX_5

10 28	3 39.22	+19 53.1	2.319	3.259	6.7	22.4	158 W	65	44
11 7	3 29.96	+19 24.4	2.233	3.213	3.1	22.1	170 W	64	45
11 17	3 19.61	+18 49.6	2.178	3.166	0.8	21.8	178 E	64	45
11 27	3 9.10	+18 11.4	2.155	3.118	4.7	22.0	165 E	63	46
12 7	2 59.42	+17 33.8	2.162	3.069	8.5	22.2	152 E	63	46