368184 2000 RN_{77}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 6	3 7.31	+25 23.7	1.921	0.942	10.3	21.4	10 E	3*	—
5 11	3 29.15	+26 22.0	1.894	0.913	10.5	21.4	10 E	3*	—
5 16	3 51.97	+27 8.2	1.865	0.884	10.8	21.3	9 E	3*	—
5 21	4 15.72	+27 40.2	1.836	0.854	11.2	21.2	9 E	3*	—
5 26	4 40.36	+27 56.1	1.806	0.825	11.8	21.1	10 E	4*	—
5 31	5 5.79	+27 53.8	1.775	0.795	12.6	21.0	10 E	4*	—
6 5	5 31.88	+27 31.7	1.743	0.767	13.8	20.9	10 E	4*	—
6 10	5 58.48	+26 48.2	1.710	0.740	15.3	20.9	11 E	3*	1*
6 15	6 25.37	+25 42.5	1.676	0.716	17.3	20.8	12 E	3*	3*
6 20	6 52.38	+24 14.2	1.641	0.694	19.8	20.8	13 E	3*	5*
6 25	7 19.30	+22 23.7	1.605	0.675	22.8	20.8	15 E	2*	8*
6 30	7 45.99	+20 12.3	1.568	0.661	26.1	20.8	17 E	2*	10*
7 5	8 12.35	+17 41.9	1.530	0.652	29.8	20.8	19 E	1*	12*
7 10	8 38.31	+14 55.4	1.491	0.648	33.6	20.8	21 E	1*	14*
7 15	9 3.87	+11 55.7	1.453	0.650	37.4	20.9	23 E	—	17*
7 20	9 29.07	+ 8 46.5	1.415	0.658	41.1	21.0	25 E	—	19*
7 25	9 54.00	+ 5 31.2	1.379	0.670	44.5	21.0	28 E	—	22*
7 30	10 18.76	+ 2 13.2	1.345	0.687	47.4	21.1	30 E	—	24*
8 4	10 43.48	− 1 4.1	1.315	0.708	49.9	21.2	32 E	—	26*
8 9	11 8.28	− 4 17.8	1.288	0.732	51.8	21.3	35 E	—	28*
8 14	11 33.26	− 7 25.0	1.266	0.758	53.1	21.4	37 E	—	30*
8 19	11 58.46	−10 22.8	1.249	0.786	54.0	21.4	39 E	—	32*

422716 2000 WA_{106}

5 6	3 12.43	+18 7.3	2.846	1.844	2.8	21.5	5 E	—	—
5 16	3 37.53	+19 30.9	2.882	1.872	0.9	21.4	2 E	—	—
5 26	4 2.49	+20 40.0	2.913	1.901	1.1	21.5	2 W	—	—
6 5	4 27.23	+21 34.4	2.938	1.931	3.0	21.7	6 W	—	—
6 15	4 51.69	+22 14.1	2.956	1.961	5.0	21.8	10 W	—	3*

471612 2012 SR_{45}

5 6	3 13.34	+34 16.7	2.441	1.518	12.2	21.5	18 E	11*	—
5 11	3 31.25	+35 28.9	2.438	1.513	12.1	21.5	18 E	10*	—
5 16	3 49.75	+36 33.2	2.437	1.509	12.0	21.5	18 E	10*	—
5 21	4 8.79	+37 28.6	2.438	1.506	11.8	21.4	18 E	10*	—
5 26	4 28.29	+38 14.3	2.439	1.505	11.7	21.4	18 E	10*	—
5 31	4 48.15	+38 49.7	2.442	1.505	11.6	21.4	17 E	10*	—
6 5	5 8.29	+39 14.2	2.446	1.506	11.4	21.4	17 E	10*	—
6 10	5 28.57	+39 27.5	2.452	1.509	11.2	21.4	17 E	9*	—
6 15	5 48.85	+39 29.6	2.459	1.513	11.0	21.4	17 E	9*	—
6 20	6 9.01	+39 20.5	2.468	1.519	10.8	21.4	16 E	9*	—
6 25	6 28.91	+39 0.5	2.477	1.525	10.5	21.5	16 E	8*	—
6 30	6 48.45	+38 30.2	2.488	1.534	10.2	21.5	16 E	8*	—
7 5	7 7.53	+37 50.1	2.501	1.543	10.0	21.5	15 E	8*	—
7 10	7 26.06	+37 1.0	2.514	1.553	9.7	21.5	15 E	7*	—

255071 2005 UH_6

5 6	3 32.43	+20 14.2	2.412	1.431	7.3	21.4	10 E	3*	1*
5 16	3 58.04	+21 38.1	2.369	1.371	5.1	21.2	7 E	—	—
5 26	4 25.46	+22 50.7	2.311	1.302	3.0	20.9	4 E	—	—
6 5	4 55.07	+23 48.7	2.237	1.223	1.3	20.6	2 E	—	—
6 15	5 27.33	+24 27.5	2.150	1.135	1.6	20.3	2 W	—	—
6 20	5 44.62	+24 37.8	2.101	1.086	2.3	20.2	2 W	—	—
6 25	6 2.77	+24 40.7	2.049	1.035	3.0	20.1	3 W	—	—
6 30	6 21.89	+24 34.9	1.994	0.981	3.5	20.0	3 W	—	—
7 5	6 42.06	+24 18.8	1.937	0.925	3.9	19.8	4 W	—	—
7 10	7 3.39	+23 50.8	1.877	0.865	4.0	19.6	3 W	—	—
7 15	7 25.99	+23 8.6	1.815	0.802	3.8	19.4	3 W	—	—
7 20	7 49.97	+22 9.7	1.750	0.736	3.0	19.1	2 W	—	—
7 25	8 15.45	+20 51.1	1.683	0.667	1.8	18.7	1 W	—	—
7 30	8 42.59	+19 9.3	1.612	0.598	2.6	18.4	2 E	—	—
8 4	9 11.51	+17 0.6	1.536	0.528	7.1	18.3	4 E	—	—
8 9	9 42.27	+14 21.7	1.454	0.462	14.9	18.2	7 E	—	1*
8 14	10 14.69	+11 11.2	1.360	0.407	26.7	18.1	10 E	—	4*
8 19	10 48.12	+ 7 33.2	1.252	0.374	43.1	18.2	15 E	—	9*
8 24	11 21.27	+ 3 40.0	1.131	0.371	61.9	18.5	19 E	1*	13*
8 29	11 53.14	− 0 14.0	1.007	0.401	79.0	19.0	23 E	2*	17*
9 3	12 24.06	− 4 2.6	0.889	0.454	91.5	19.5	27 E	2*	21*
9 8	12 55.41	− 7 48.3	0.786	0.519	99.1	19.8	31 E	3*	25*
9 13	13 28.91	−11 35.0	0.699	0.588	102.6	20.0	35 E	5*	29*
9 18	14 6.11	−15 21.7	0.629	0.658	102.7	20.0	40 E	6*	34*
9 23	14 48.05	−18 59.3	0.578	0.726	100.0	19.9	45 E	8*	39*
9 25	15 6.22	−20 20.0	0.562	0.753	98.3	19.9	48 E	9*	42*
9 27	15 25.11	−21 34.9	0.550	0.780	96.3	19.8	51 E	10*	45*
9 29	15 44.63	−22 42.4	0.541	0.806	94.1	19.7	53 E	11*	47*
10 1	16 4.62	−23 41.2	0.535	0.831	91.7	19.7	56 E	12*	50*
10 3	16 24.92	−24 30.2	0.531	0.856	89.1	19.6	59 E	13*	53*
10 5	16 45.30	−25 8.5	0.531	0.880	86.5	19.6	61 E	14*	55*
10 7	17 5.55	−25 35.7	0.534	0.905	83.8	19.6	64 E	15*	58*
10 9	17 25.45	−25 52.1	0.539	0.928	81.2	19.5	67 E	15*	61*

255071 2005 UH_6 *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 11	17 44.82	−25 58.2	0.547	0.951	78.5	19.5	69 E	16*	63*
10 13	18 3.49	−25 54.9	0.557	0.974	76.0	19.5	71 E	17*	65*
10 15	18 21.35	−25 43.3	0.569	0.996	73.5	19.5	73 E	18*	67*
10 17	18 38.31	−25 24.7	0.584	1.017	71.2	19.6	75 E	19*	69*
10 19	18 54.34	−25 0.2	0.600	1.039	69.0	19.6	77 E	20*	70*
10 21	19 9.43	−24 31.1	0.617	1.059	66.9	19.6	78 E	20*	72*
10 23	19 23.61	−23 58.5	0.637	1.079	65.0	19.7	80 E	21*	73*
10 25	19 36.90	−23 23.2	0.657	1.099	63.2	19.7	81 E	22*	73*
10 27	19 49.36	−22 46.1	0.679	1.119	61.5	19.8	82 E	22	74*
10 29	20 1.05	−22 7.7	0.702	1.138	59.9	19.9	82 E	23	74*
10 31	20 12.01	−21 28.6	0.726	1.156	58.5	19.9	83 E	24	75*
11 2	20 22.32	−20 49.1	0.750	1.174	57.1	20.0	83 E	24	75*
11 7	20 45.57	−19 10.8	0.815	1.217	54.1	20.2	84 E	26	74*
11 12	21 5.85	−17 34.8	0.883	1.258	51.5	20.3	84 E	27	72*
11 17	21 23.80	−16 2.5	0.953	1.296	49.3	20.5	84 E	29	70*
11 22	21 39.93	−14 34.1	1.026	1.332	47.4	20.7	83 E	30	68*
11 27	21 54.62	−13 9.4	1.099	1.366	45.6	20.8	82 E	32	65*
12 2	22 8.20	−11 48.1	1.174	1.398	44.0	21.0	80 E	33	63*
12 7	22 20.90	−10 29.6	1.248	1.427	42.6	21.1	78 E	35	60*
12 12	22 32.90	− 9 13.5	1.323	1.454	41.2	21.2	77 E	36	57*
12 17	22 44.33	− 7 59.6	1.397	1.479	39.9	21.4	75 E	37	54*
12 22	22 55.30	− 6 47.5	1.470	1.502	38.6	21.5	72 E	38*	51*

112221 2002 KH_4

5 6	3 35.17	+10 40.0	4.152	3.173	3.8	21.5	12 E	—	6*
5 16	3 47.26	+10 32.0	4.149	3.156	3.0	21.4	9 E	—	1*
5 26	3 59.51	+10 18.6	4.126	3.138	3.6	21.4	11 W	—	1*
6 5	4 11.87	+ 9 59.0	4.083	3.118	5.1	21.4	16 W	—	8*
6 15	4 24.27	+ 9 31.9	4.021	3.098	6.9	21.5	21 W	—	15*

506859 2007 VW_{137}

5 6	4 7.40	+23 12.0	2.171	1.261	15.1	21.2	19 E	11*	6*
5 11	4 22.76	+23 37.0	2.122	1.199	14.8	21.1	18 E	9*	6*
5 16	4 39.08	+23 57.5	2.069	1.137	14.7	20.9	17 E	8*	6*
5 21	4 56.42	+24 12.3	2.013	1.074	14.8	20.7	16 E	7*	5*
5 26	5 14.88	+24 20.0	1.954	1.011	15.1	20.5	15 E	6*	5*
5 31	5 34.51	+24 19.0	1.893	0.948	15.8	20.3	15 E	5*	6*
6 5	5 55.41	+24 7.5	1.829	0.886	16.9	20.1	15 E	4*	6*
6 10	6 17.63	+23 43.2	1.762	0.824	18.6	20.0	15 E	4*	7*
6 15	6 41.20	+23 3.9	1.693	0.766	21.0	19.8	16 E	4*	8*
6 20	7 6.10	+22 7.2	1.622	0.711	24.2	19.6	17 E	3*	9*
6 25	7 32.27	+20 50.9	1.548	0.663	28.5	19.5	18 E	3*	11*
6 30	7 59.61	+19 13.3	1.473	0.623	33.9	19.4	20 E	3*	13*
7 5	8 27.94	+17 13.7	1.395	0.595	40.3	19.4	22 E	4*	15*
7 10	8 57.04	+14 52.7	1.318	0.582	47.3	19.4	25 E	4*	18*
7 15	9 26.73	+12 12.1	1.241	0.585	54.2	19.5	28 E	4*	21*
7 20	9 56.92	+ 9 14.7	1.169	0.603	60.3	19.6	31 E	5*	25*
7 25	10 27.65	+ 6 3.3	1.105	0.635	65.0	19.7	35 E	5*	28*
7 30	10 59.03	+ 2 41.4	1.050	0.678	68.1	19.9	38 E	6*	32*
8 4	11 31.14	− 0 47.1	1.008	0.729	69.4	20.0	42 E	7*	36*
8 9	12 3.94	− 4 16.7	0.979	0.785	69.2	20.1	46 E	8*	40*
8 14	12 37.23	− 7 40.6	0.965	0.845	67.7	20.1	51 E	9*	44*
8 19	13 10.62	−10 51.3	0.965	0.907	65.4	20.2	55 E	11*	48*
8 24	13 43.63	−13 42.4	0.980	0.969	62.5	20.3	58 E	12*	52*
8 29	14 15.75	−16 9.4	1.009	1.033	59.3	20.4	62 E	13*	56*
9 3	14 46.51	−18 10.5	1.049	1.096	56.1	20.5	64 E	14*	58*
9 8	15 15.59	−19 46.3	1.100	1.158	52.9	20.7	67 E	15*	60*
9 13	15 42.80	−20 59.2	1.161	1.220	49.9	20.8	68 E	16*	62*
9 18	16 8.09	−21 52.1	1.229	1.281	47.1	21.0	69 E	16*	63*
9 23	16 31.49	−22 28.3	1.303	1.341	44.6	21.1	70 E	17*	64*
9 28	16 53.14	−22 51.0	1.383	1.400	42.2	21.3	70 E	18*	64*
10 3	17 13.18	−23 2.8	1.467	1.458	40.0	21.4	70 E	18*	63*

220006 2002 PS_{87}

5 6	4 9.82	+38 3.1	3.490	2.638	10.2	21.5	28 E	21*	—
5 16	4 30.76	+38 18.2	3.513	2.615	8.8	21.4	23 E	17*	—
5 26	4 52.17	+38 27.2	3.524	2.591	7.5	21.3	20 E	13*	—
6 5	5 13.94	+38 28.9	3.522	2.567	6.5	21.3	17 E	10*	—
6 15	5 36.00	+38 22.5	3.509	2.542	6.0	21.2	15 E	7*	—
6 25	5 58.22	+38 7.2	3.483	2.515	6.1	21.2	15 W	8*	—
7 5	6 20.50	+37 42.4	3.445	2.488	6.8	21.2	17 W	10*	—
7 15	6 42.74	+37 7.9	3.395	2.461	7.9	21.2	19 W	13*	—
7 25	7 4.80	+36 23.4	3.335	2.432	9.4	21.2	23 W	17*	—
8 4	7 26.61	+35 29.1	3.264	2.403	11.0	21.2	27 W	21*	3*
8 14	7 48.08	+34 25.0	3.182	2.373	12.8	21.1	31 W	25*	5*
8 24	8 9.11	+33 11.6	3.090	2.343	14.5	21.1	36 W	29*	7*
9 3	8 29.65	+31 49.1	2.989	2.312	16.3	21.1	40 W	34*	10*
9 13	8 49.64	+30 18.3	2.880	2.281	18.1	21.0	45 W	39*	12*
9 23	9 9.01	+28 39.6	2.762	2.249	19.9	21.0	50 W	43*	15*
10 3	9 27.73	+26 53.6	2.637	2.216	21.6	20.9	55 W	48*	17*
10 13	9 45.73	+25 1.0	2.505	2.184	23.3	20.8	60 W	53*	20*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
220006 2002 PS_{87} *(continuation)*									
10 23	10 2.96	+23 2.1	2.368	2.151	24.8	20.7	65 W	57*	24*
11 2	10 19.35	+20 57.5	2.227	2.118	26.3	20.6	71 W	60*	28*
11 12	10 34.78	+18 47.4	2.082	2.084	27.5	20.4	76 W	62*	32*
11 22	10 49.14	+16 32.0	1.935	2.051	28.5	20.2	82 W	61*	37*
12 2	11 2.26	+14 11.1	1.787	2.018	29.2	20.1	89 W	59	42*
12 12	11 13.87	+11 44.3	1.640	1.985	29.6	19.9	95 W	57	48*
12 22	11 23.68	+ 9 10.7	1.496	1.953	29.5	19.6	102 W	54	53*
1 1	11 31.28	+ 6 29.0	1.357	1.921	28.9	19.3	109 W	51	57*
1 11	11 36.11	+ 3 37.7	1.225	1.890	27.5	19.1	117 W	49	60
1 21	11 37.56	+ 0 35.0	1.103	1.860	25.4	18.7	126 W	46	63
244670 2003 KN_{18}									
5 6	4 19.56	+14 25.5	2.129	1.243	17.1	21.3	21 E	7*	14*
5 16	4 52.75	+15 55.4	2.073	1.173	16.9	21.1	20 E	5*	13*
5 26	5 28.70	+17 7.9	2.015	1.105	17.2	20.9	19 E	3*	12*
6 5	6 7.48	+17 57.3	1.956	1.042	17.8	20.8	18 E	2*	12*
6 15	6 49.03	+18 17.6	1.898	0.988	19.0	20.6	18 E	1*	12*
6 25	7 33.03	+18 2.9	1.844	0.943	20.6	20.5	19 E	1*	13*
7 5	8 18.93	+17 8.8	1.796	0.913	22.7	20.5	20 E	2*	14*
7 15	9 5.98	+15 33.8	1.758	0.899	25.0	20.4	22 E	3*	15*
7 25	9 53.31	+13 20.0	1.731	0.902	27.2	20.5	24 E	5*	17*
7 30	10 16.82	+12 0.3	1.723	0.911	28.1	20.5	25 E	5*	18*
8 4	10 40.11	+10 33.5	1.719	0.923	28.9	20.6	26 E	6*	19*
8 9	11 3.11	+ 9 0.7	1.719	0.939	29.6	20.6	27 E	7*	20*
8 14	11 25.74	+ 7 23.4	1.723	0.959	30.0	20.7	28 E	8*	21*
8 19	11 47.97	+ 5 43.0	1.731	0.982	30.3	20.8	29 E	9*	22*
8 24	12 9.75	+ 4 0.8	1.744	1.008	30.3	20.8	30 E	9*	23*
8 29	12 31.07	+ 2 18.3	1.761	1.036	30.2	20.9	31 E	10*	24*
9 3	12 51.91	+ 0 36.8	1.783	1.066	29.8	21.0	32 E	11*	25*
9 8	13 12.27	− 1 2.7	1.808	1.098	29.4	21.1	32 E	11*	25*
9 13	13 32.15	− 2 39.2	1.838	1.131	28.8	21.2	33 E	12*	26*
9 18	13 51.55	− 4 11.6	1.871	1.165	28.0	21.2	33 E	12*	26*
9 23	14 10.48	− 5 39.4	1.907	1.200	27.2	21.3	33 E	13*	26*
9 28	14 28.96	− 7 2.1	1.947	1.236	26.3	21.4	33 E	13*	26*
10 3	14 47.00	− 8 19.1	1.989	1.272	25.3	21.5	33 E	13*	25*
504928 2011 CO_2									
5 6	4 19.67	+13 21.7	2.147	1.263	17.0	21.5	21 E	6*	14*
5 11	4 35.87	+15 16.4	2.151	1.255	16.3	21.4	20 E	6*	13*
5 16	4 52.43	+17 5.8	2.156	1.249	15.7	21.4	19 E	5*	12*
5 21	5 9.35	+18 49.2	2.162	1.244	15.0	21.4	19 E	5*	11*
5 26	5 26.62	+20 26.0	2.169	1.242	14.4	21.4	18 E	5*	10*
5 31	5 44.22	+21 55.4	2.177	1.242	13.7	21.3	17 E	5*	9*
6 5	6 2.16	+23 17.0	2.186	1.245	13.2	21.3	16 E	5*	8*
6 10	6 20.38	+24 30.0	2.197	1.249	12.6	21.3	16 E	5*	7*
6 15	6 38.87	+25 34.1	2.208	1.256	12.2	21.3	15 E	5*	6*
6 20	6 57.55	+26 28.9	2.220	1.264	11.8	21.4	15 E	5*	5*
6 25	7 16.39	+27 14.1	2.234	1.275	11.5	21.4	14 E	6*	4*
6 30	7 35.33	+27 49.6	2.248	1.287	11.2	21.4	14 E	6*	4*
7 5	7 54.29	+28 15.3	2.263	1.301	11.0	21.4	14 E	6*	3*
7 10	8 13.23	+28 31.5	2.279	1.317	10.9	21.5	14 E	7*	2*
141052 2001 XR_1									
5 6	4 25.62	+27 29.3	2.585	1.717	14.0	21.4	24 E	17*	8*
5 16	4 49.53	+27 31.3	2.585	1.670	11.9	21.3	20 E	12*	6*
5 26	5 14.26	+27 21.0	2.570	1.618	9.8	21.1	16 E	8*	4*
6 5	5 39.87	+26 56.2	2.540	1.561	7.6	20.9	12 E	4*	2*
6 15	6 6.38	+26 14.5	2.497	1.498	5.5	20.7	8 E	1*	—
6 25	6 33.85	+25 13.0	2.440	1.429	3.4	20.4	5 E	—	—
7 5	7 2.35	+23 48.8	2.371	1.355	1.3	20.1	2 E	—	—
7 15	7 32.02	+21 58.6	2.292	1.276	1.0	19.9	1 W	—	—
7 25	8 3.00	+19 38.4	2.203	1.190	2.8	19.8	3 W	—	—
8 4	8 35.57	+16 44.1	2.106	1.099	4.6	19.6	5 W	—	—
8 14	9 10.15	+13 11.2	2.005	1.002	6.0	19.4	6 W	—	—
8 24	9 47.29	+ 8 55.9	1.900	0.902	7.1	19.1	6 W	—	—
9 3	10 27.88	+ 3 56.4	1.797	0.801	7.8	18.7	6 W	—	—
9 8	10 49.85	+ 1 10.9	1.746	0.752	8.2	18.6	6 W	—	—
9 13	11 13.16	− 1 43.4	1.696	0.704	8.9	18.4	6 W	—	—
9 18	11 38.03	− 4 44.0	1.647	0.660	10.4	18.2	7 W	—	—
9 23	12 4.66	− 7 46.9	1.600	0.622	12.9	18.1	8 E	—	—
9 28	12 33.21	−10 46.8	1.554	0.591	16.6	18.1	10 E	—	1*
10 3	13 3.77	−13 36.7	1.510	0.570	21.4	18.1	12 E	—	5*
10 8	13 36.23	−16 8.7	1.467	0.561	26.8	18.2	15 E	—	8*
10 13	14 10.32	−18 15.1	1.427	0.564	32.4	18.3	18 E	—	11*
10 18	14 45.55	−19 50.0	1.392	0.581	37.5	18.4	21 E	—	15*
10 23	15 21.35	−20 50.1	1.363	0.607	41.7	18.6	24 E	2*	18*
10 28	15 57.10	−21 15.2	1.342	0.643	44.7	18.8	27 E	5*	21*
11 2	16 32.20	−21 7.4	1.329	0.685	46.6	19.0	30 E	8*	23*
11 7	17 6.17	−20 30.6	1.325	0.731	47.6	19.1	33 E	11*	26*
11 12	17 38.63	−19 29.6	1.330	0.780	47.7	19.3	36 E	15*	27*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
141052 2001 XR_1 *(continuation)*									
11 17	18 9.34	−18 9.6	1.344	0.830	47.2	19.4	38 E	18*	28*
11 22	18 38.18	−16 35.9	1.366	0.881	46.2	19.6	40 E	20*	29*
11 27	19 5.15	−14 52.9	1.395	0.931	44.9	19.7	42 E	23*	29*
12 2	19 30.33	−13 4.5	1.431	0.981	43.5	19.8	43 E	25*	29*
12 7	19 53.82	−11 13.4	1.472	1.030	41.9	19.9	44 E	27*	28*
12 12	20 15.77	− 9 21.9	1.518	1.079	40.3	20.1	45 E	29*	27*
12 17	20 36.32	− 7 31.6	1.568	1.125	38.6	20.2	46 E	31*	26*
12 22	20 55.62	− 5 43.4	1.622	1.171	37.0	20.3	46 E	32*	24*
12 27	21 13.82	− 3 58.0	1.678	1.215	35.4	20.4	46 E	34*	23*
1 1	21 31.04	− 2 15.7	1.736	1.258	33.8	20.5	45 E	34*	21*
1 6	21 47.41	− 0 36.6	1.796	1.299	32.3	20.6	45 E	35*	19*
1 11	22 3.03	+ 0 59.3	1.857	1.339	30.8	20.7	44 E	35*	17*
1 16	22 17.98	+ 2 31.9	1.918	1.377	29.3	20.8	43 E	35*	16*
1 21	22 32.35	+ 4 1.6	1.979	1.414	27.9	20.9	42 E	35*	14*
25974 2001 FF_{43}									
5 6	4 54.32	+21 33.1	3.794	2.957	9.6	21.5	29 E	18*	16*
5 16	5 9.38	+21 54.2	3.850	2.948	7.8	21.4	23 E	12*	13*
5 26	5 24.82	+22 9.9	3.891	2.939	5.8	21.4	17 E	6*	9*
6 5	5 40.56	+22 20.0	3.917	2.928	3.9	21.3	11 E	1*	4*
6 15	5 56.53	+22 23.9	3.927	2.917	1.9	21.1	5 E	—	—
6 25	6 12.64	+22 21.4	3.921	2.905	0.4	21.0	1 W	—	—
7 5	6 28.83	+22 12.5	3.900	2.892	2.2	21.1	6 W	—	—
7 15	6 45.02	+21 57.1	3.864	2.878	4.2	21.2	12 W	2*	4*
7 25	7 1.13	+21 35.3	3.813	2.863	6.2	21.3	18 W	7*	9*
8 4	7 17.11	+21 7.3	3.747	2.847	8.2	21.3	24 W	13*	12*
8 14	7 32.88	+20 33.4	3.667	2.830	10.2	21.3	29 W	19*	16*
8 24	7 48.36	+19 54.1	3.574	2.812	12.0	21.3	35 W	25*	19*
9 3	8 3.47	+19 9.9	3.469	2.794	13.8	21.3	41 W	31*	22*
9 13	8 18.15	+18 21.5	3.351	2.774	15.5	21.3	48 W	37*	25*
9 23	8 32.29	+17 29.7	3.223	2.754	17.1	21.2	54 W	42*	28*
10 3	8 45.80	+16 35.5	3.086	2.732	18.6	21.2	60 W	48*	32*
10 13	8 58.56	+15 39.8	2.940	2.710	19.8	21.1	67 W	53*	35*
10 23	9 10.44	+14 44.2	2.787	2.687	20.8	21.0	74 W	56*	38*
11 2	9 21.26	+13 49.9	2.630	2.663	21.6	20.9	81 W	58*	42*
11 12	9 30.84	+12 58.8	2.469	2.639	22.0	20.7	89 W	58	46*
11 22	9 38.92	+12 12.8	2.308	2.613	22.1	20.6	97 W	57	49*
12 2	9 45.25	+11 34.0	2.149	2.587	21.6	20.4	105 W	57	52*
12 12	9 49.47	+11 4.9	1.996	2.560	20.6	20.2	114 W	56	53
12 22	9 51.28	+10 48.0	1.851	2.532	18.9	19.9	124 W	56	53
1 1	9 50.35	+10 45.5	1.718	2.504	16.4	19.6	134 W	56	53
1 11	9 46.48	+10 59.0	1.603	2.475	13.1	19.4	145 W	56	53
1 21	9 39.75	+11 28.3	1.508	2.445	9.0	19.0	157 W	56	53
220909 2005 EO_1									
5 6	8 21.12	+ 4 38.8	1.390	1.590	38.9	21.5	81 E	40*	59*
5 16	8 32.97	+ 5 29.2	1.391	1.486	41.0	21.4	75 E	35*	56*
5 26	8 47.96	+ 6 3.9	1.379	1.379	43.1	21.3	68 E	29*	54*
6 5	9 5.97	+ 6 23.6	1.352	1.272	45.4	21.1	63 E	24*	51*
6 15	9 27.01	+ 6 29.1	1.309	1.165	48.0	20.9	59 E	20*	48*
6 25	9 51.15	+ 6 22.3	1.250	1.060	51.4	20.7	55 E	17*	46*
7 5	10 18.55	+ 6 6.6	1.173	0.961	55.9	20.5	51 E	15*	43*
7 10	10 33.54	+ 5 57.0	1.128	0.915	58.6	20.4	50 E	14*	42*
7 15	10 49.44	+ 5 47.5	1.079	0.872	61.7	20.3	49 E	14*	41*
7 20	11 6.25	+ 5 39.4	1.026	0.834	65.3	20.2	48 E	14*	40*
7 25	11 24.00	+ 5 34.4	0.969	0.802	69.3	20.1	48 E	15*	40*
7 30	11 42.71	+ 5 34.2	0.910	0.776	73.6	20.0	47 E	16*	39*
8 4	12 2.42	+ 5 40.5	0.849	0.758	78.1	20.0	47 E	17*	39*
8 9	12 23.22	+ 5 54.9	0.787	0.749	82.6	19.9	47 E	19*	38*
8 14	12 45.25	+ 6 18.8	0.725	0.749	86.8	19.9	48 E	21*	38*
8 19	13 8.76	+ 6 52.6	0.665	0.759	90.4	19.9	49 E	24*	38*
8 24	13 34.16	+ 7 36.2	0.607	0.777	93.1	19.9	50 E	27*	38*
8 29	14 2.02	+ 8 28.0	0.553	0.803	94.5	19.8	52 E	30*	39*
9 3	14 33.05	+ 9 24.7	0.505	0.836	94.4	19.7	56 E	34*	40*
9 8	15 8.00	+10 21.6	0.464	0.874	92.5	19.5	60 E	39*	41*
9 13	15 47.35	+11 11.4	0.432	0.917	89.0	19.3	66 E	44*	43*
9 15	16 4.31	+11 27.4	0.422	0.935	87.1	19.2	68 E	46*	44*
9 17	16 21.91	+11 40.1	0.414	0.953	84.9	19.2	71 E	48*	45*
9 19	16 40.05	+11 49.1	0.407	0.972	82.6	19.1	74 E	50*	46*
9 21	16 58.62	+11 53.9	0.403	0.992	80.1	19.0	77 E	52*	48*
9 23	17 17.48	+11 54.0	0.401	1.012	77.4	18.9	80 E	53*	49*
9 28	18 4.75	+11 33.9	0.404	1.062	70.4	18.8	87 E	56*	51*
10 3	18 50.10	+10 48.3	0.422	1.114	63.6	18.8	94 E	56*	53*
10 8	19 31.45	+ 9 47.0	0.452	1.167	57.4	18.9	100 E	55	54*
10 13	20 7.84	+ 8 40.7	0.493	1.221	52.2	19.0	105 E	54	55
10 18	20 39.24	+ 7 37.7	0.544	1.274	48.0	19.2	108 E	53	56
10 23	21 6.18	+ 6 42.4	0.603	1.328	44.8	19.4	110 E	52	57
10 28	21 29.39	+ 5 56.6	0.669	1.382	42.2	19.7	111 E	51	58
11 2	21 49.58	+ 5 20.5	0.740	1.435	40.2	19.9	111 E	50	59
11 7	22 7.36	+ 4 53.6	0.817	1.488	38.6	20.2	110 E	50	59

220909 2005 EO_1 *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
11 12	22 23.25	+ 4 35.1	0.898	1.540	37.4	20.4	109 E	50	59
11 17	22 37.61	+ 4 24.1	0.983	1.592	36.3	20.6	108 E	49	60
11 22	22 50.76	+ 4 19.5	1.071	1.643	35.3	20.9	106 E	49	60*
11 27	23 2.94	+ 4 20.6	1.162	1.694	34.5	21.1	104 E	49	59*
12 2	23 14.33	+ 4 26.5	1.256	1.744	33.7	21.3	101 E	49	59*

496965 2002 PQ_{40}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 6	15 41.15	− 2 10.9	2.332	3.303	5.6	22.4	161 W	43	66
5 16	15 32.84	− 1 17.6	2.289	3.267	5.4	22.3	162 W	44	65
5 26	15 24.32	− 0 35.8	2.274	3.229	7.2	22.4	157 E	44	65
6 5	15 16.32	− 0 8.5	2.286	3.191	9.8	22.5	148 E	45	64
6 15	15 9.49	+ 0 2.6	2.322	3.152	12.4	22.6	138 E	45	64

267270 2001 RP_{17}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 6	15 42.13	−29 35.1	3.014	3.988	4.4	23.9	163 W	15	86
5 11	15 37.50	−29 26.4	2.996	3.986	3.3	23.8	167 W	16	87
5 16	15 32.77	−29 15.3	2.985	3.984	2.6	23.8	170 W	16	87
5 21	15 28.03	−29 2.1	2.982	3.982	2.6	23.8	170 E	16	87
5 26	15 23.38	−28 47.1	2.987	3.980	3.3	23.8	167 E	16	87
5 31	15 18.89	−28 30.5	2.999	3.977	4.4	23.9	162 E	16	87
6 5	15 14.65	−28 12.9	3.019	3.974	5.6	23.9	157 E	17	88

491765 2012 VU_{110}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 6	15 42.17	−25 47.9	1.849	2.835	5.3	22.7	165 W	19	90
5 11	15 36.82	−25 31.6	1.833	2.834	3.5	22.6	170 W	19	90
5 16	15 31.33	−25 12.5	1.825	2.832	2.2	22.5	174 W	20	89
5 21	15 25.83	−24 51.2	1.824	2.830	2.7	22.5	173 E	20	89
5 26	15 20.49	−24 28.2	1.830	2.828	4.3	22.7	168 E	21	88
5 31	15 15.43	−24 4.2	1.843	2.826	6.2	22.8	162 E	21	88
6 5	15 10.76	−23 39.7	1.863	2.823	8.1	22.9	157 E	21	88

523663 2012 OZ

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 6	15 43.56	+18 1.3	1.385	2.275	15.4	23.4	143 W	63	46
5 11	15 37.82	+18 30.2	1.362	2.253	15.6	23.4	143 W	64	45
5 16	15 31.74	+18 49.3	1.345	2.231	16.1	23.4	142 W	64	45
5 21	15 25.52	+18 57.7	1.333	2.209	17.0	23.3	140 E	64	45
5 26	15 19.32	+18 54.8	1.325	2.186	18.0	23.3	138 E	64	45
5 31	15 13.34	+18 40.4	1.323	2.164	19.3	23.4	135 E	64	45
6 5	15 7.74	+18 14.8	1.325	2.140	20.6	23.4	132 E	63	46

524743 2003 UR_{267}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 6	15 45.13	−23 3.0	4.477	5.461	2.6	24.1	166 W	22	87
5 16	15 38.73	−22 47.5	4.470	5.478	0.8	24.0	176 W	22	87
5 26	15 32.32	−22 29.6	4.493	5.496	1.7	24.1	171 E	23	86
6 5	15 26.30	−22 10.7	4.547	5.512	3.6	24.2	160 E	23	86
6 15	15 20.99	−21 52.3	4.629	5.528	5.3	24.4	150 E	23	86

475513 2006 SS_{351}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 6	15 45.61	−24 48.9	1.487	2.475	6.1	22.5	165 W	20	89
5 11	15 39.58	−24 39.6	1.487	2.488	3.9	22.4	170 W	20	89
5 16	15 33.46	−24 27.7	1.494	2.502	2.2	22.3	175 W	21	88
5 21	15 27.44	−24 13.6	1.508	2.516	2.7	22.4	173 E	21	88
5 26	15 21.69	−23 57.9	1.529	2.529	4.7	22.5	168 E	21	88
5 31	15 16.36	−23 41.4	1.556	2.542	6.8	22.7	163 E	21	88
6 5	15 11.56	−23 24.7	1.590	2.555	8.9	22.8	157 E	22	87

406221 2007 BO_{20}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 6	15 47.97	−13 28.7	2.572	3.560	3.9	22.7	166 W	32	77
5 16	15 39.00	−13 0.4	2.579	3.586	1.8	22.6	174 W	32	77
5 26	15 30.13	−12 35.4	2.617	3.612	3.6	22.7	167 E	32	77
6 5	15 22.03	−12 15.7	2.684	3.636	6.4	22.9	156 E	33	76
6 15	15 15.25	−12 3.2	2.778	3.660	9.1	23.1	145 E	33	76

65407 2002 RP_{120}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 6	15 50.44	+ 5 28.6	33.221	34.129	0.8	27.7	154 W	50	59
5 16	15 49.25	+ 5 32.4	33.242	34.161	0.7	27.7	155 W	51	58
5 26	15 48.05	+ 5 35.0	33.290	34.194	0.8	27.7	153 E	51	58
6 5	15 46.87	+ 5 36.3	33.364	34.226	0.9	27.7	148 E	51	58
6 15	15 45.75	+ 5 36.1	33.464	34.259	1.1	27.8	141 E	51	58

306376 1983 TA

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 6	15 53.46	−53 13.5	3.102	3.940	9.2	22.8	141 W	—	63
5 11	15 46.84	−53 24.5	3.079	3.939	8.7	22.7	144 W	—	63
5 16	15 39.96	−53 29.6	3.063	3.938	8.4	22.7	145 W	—	63
5 21	15 32.97	−53 28.7	3.053	3.937	8.2	22.7	146 E	—	63
5 26	15 26.05	−53 22.0	3.050	3.935	8.1	22.7	147 E	—	63
5 31	15 19.34	−53 9.6	3.053	3.934	8.3	22.7	146 E	—	63
6 5	15 12.98	−52 52.2	3.063	3.932	8.7	22.7	144 E	—	63

456051 2006 AW

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 6	15 56.82	−31 6.4	2.209	3.173	6.5	23.5	159 W	14	85
5 11	15 51.02	−30 51.0	2.172	3.156	5.0	23.4	164 W	14	85
5 16	15 44.92	−30 31.5	2.142	3.138	3.8	23.3	168 W	14	85
5 21	15 38.67	−30 8.2	2.120	3.121	3.3	23.2	170 E	15	86
5 26	15 32.41	−29 41.4	2.105	3.103	4.0	23.2	168 E	15	86
5 31	15 26.29	−29 11.6	2.098	3.084	5.3	23.3	164 E	16	87
6 5	15 20.42	−28 39.5	2.098	3.065	7.0	23.4	159 E	16	87

418929 2009 DM_1

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 6	15 57.24	− 8 6.1	3.776	4.745	3.8	23.6	162 W	37	72
5 16	15 50.11	− 7 29.3	3.753	4.745	2.6	23.5	168 W	38	71
5 26	15 42.84	− 6 57.1	3.761	4.745	3.3	23.6	164 E	38	71
6 5	15 35.87	− 6 31.3	3.800	4.743	5.0	23.7	156 E	38	71
6 15	15 29.60	− 6 12.9	3.866	4.740	6.9	23.8	146 E	39	70

524203 2001 RA_{42}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 6	16 1.45	−46 29.6	3.863	4.738	6.7	24.6	147 W	—	70
5 11	15 56.73	−46 32.2	3.839	4.739	6.2	24.6	150 W	—	69
5 16	15 51.83	−46 31.0	3.821	4.739	5.7	24.5	152 W	—	69
5 21	15 46.85	−46 26.0	3.810	4.739	5.4	24.5	154 E	—	70
5 26	15 41.89	−46 17.4	3.806	4.738	5.4	24.5	154 E	—	70
5 31	15 37.03	−46 5.3	3.810	4.738	5.5	24.5	153 E	—	70
6 5	15 32.36	−45 49.9	3.820	4.737	5.8	24.6	152 E	—	70

461962 2006 UF_{64}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 6	16 7.17	−18 6.6	2.635	3.607	5.0	22.6	162 W	27	82
5 16	15 58.56	−17 28.0	2.617	3.623	1.9	22.4	173 W	28	81
5 26	15 49.70	−16 49.0	2.629	3.637	1.8	22.4	173 E	28	81
6 5	15 41.30	−16 12.1	2.671	3.651	4.9	22.7	162 E	29	80
6 15	15 33.97	−15 40.0	2.742	3.664	7.7	22.9	151 E	29	80

483508 2003 CR_1

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 6	16 10.93	−43 28.8	1.195	2.120	14.5	22.9	148 W	2	73
5 11	16 1.05	−43 25.6	1.170	2.117	12.8	22.8	152 W	2	73
5 16	15 50.48	−43 10.8	1.151	2.113	11.4	22.7	156 W	2	73
5 21	15 39.59	−42 43.8	1.138	2.108	10.7	22.7	157 E	2	73
5 26	15 28.80	−42 5.0	1.132	2.102	10.8	22.7	157 E	3	74
5 31	15 18.50	−41 15.7	1.132	2.096	11.7	22.7	155 E	4	75
6 5	15 9.01	−40 17.7	1.138	2.089	13.2	22.8	152 E	5	76

429192 2009 WM_{53}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 6	16 11.56	−12 55.3	2.733	3.699	5.3	22.7	160 W	32	77
5 16	16 3.26	−12 37.8	2.684	3.683	2.8	22.5	170 W	32	77
5 26	15 54.45	−12 23.0	2.664	3.667	2.6	22.4	170 E	33	76
6 5	15 45.78	−12 12.5	2.674	3.650	5.1	22.6	161 E	33	76
6 15	15 37.90	−12 8.0	2.713	3.632	7.9	22.7	150 E	33	76

477491 2010 CD_{19}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 6	16 11.69	−48 19.8	2.390	3.262	10.4	23.0	144 W	—	68
5 11	16 4.59	−48 14.5	2.378	3.276	9.5	23.0	148 W	—	68
5 16	15 57.25	−48 2.4	2.373	3.291	8.7	23.0	151 W	—	68
5 21	15 49.86	−47 43.7	2.374	3.304	8.2	22.9	152 E	—	68
5 26	15 42.61	−47 18.6	2.382	3.318	7.9	22.9	153 E	—	69
5 31	15 35.67	−46 47.8	2.397	3.330	8.0	23.0	153 E	—	69
6 5	15 29.19	−46 11.9	2.419	3.343	8.5	23.0	151 E	—	70

456938 2007 YV_{56}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 6	16 14.67	−10 3.9	0.750	1.730	12.1	22.3	159 W	35	74
5 16	15 55.89	− 8 37.2	0.648	1.651	7.3	21.7	168 W	36	73
5 26	15 30.47	− 7 2.3	0.571	1.567	11.0	21.4	163 E	38	71
6 5	15 0.30	− 5 30.4	0.517	1.479	21.2	21.5	148 E	39	70
6 15	14 28.92	− 4 17.4	0.485	1.387	33.2	21.5	132 E	41	68

406186 2006 WQ_{117}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 6	16 17.60	−36 1.4	2.685	3.611	7.4	22.6	153 W	9	80
5 11	16 12.88	−35 51.3	2.656	3.609	6.2	22.5	157 W	9	80
5 16	16 7.91	−35 37.7	2.635	3.608	5.1	22.4	162 W	9	80
5 21	16 2.78	−35 20.5	2.621	3.606	4.3	22.4	165 W	10	81
5 26	15 57.63	−34 59.9	2.614	3.605	4.0	22.3	166 E	10	81
5 31	15 52.54	−34 36.3	2.615	3.602	4.3	22.4	165 E	10	81
6 5	15 47.64	−34 10.0	2.622	3.600	5.1	22.4	162 E	11	82
6 10	15 43.01	−33 41.6	2.638	3.598	6.2	22.5	158 E	11	82

455127 2015 VY_{72}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 6	16 20.53	−24 51.2	2.123	3.080	7.2	23.0	158 W	20	89
5 11	16 15.80	−24 42.5	2.106	3.088	5.3	22.9	163 W	20	89
5 16	16 10.81	−24 31.9	2.096	3.095	3.5	22.8	169 W	20	89
5 21	16 5.66	−24 19.5	2.093	3.102	1.8	22.7	175 W	21	88
5 26	16 0.49	−24 5.7	2.098	3.109	1.3	22.6	176 E	21	88
5 31	15 55.41	−23 50.8	2.110	3.116	2.8	22.8	172 E	21	88
6 5	15 50.54	−23 35.2	2.129	3.122	4.5	22.9	166 E	21	88
6 10	15 45.98	−23 19.2	2.155	3.129	6.3	23.0	160 E	22	87

18916 2000 OG_{44}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 6	16 24.93	−29 12.3	4.493	5.425	4.5	21.7	155 W	16	87
5 16	16 18.57	−29 1.2	4.415	5.398	2.7	21.6	165 W	16	87
5 26	16 11.72	−28 44.9	4.366	5.372	1.4	21.4	172 W	16	87
6 5	16 4.80	−28 24.0	4.348	5.344	2.3	21.5	168 E	17	88
6 15	15 58.24	−27 59.7	4.360	5.316	4.1	21.6	158 E	17	88
6 25	15 52.43	−27 33.6	4.401	5.288	5.9	21.7	148 E	17	88

470004 2006 MJ_{10}

5 6	16 27.40	+30 11.0	1.843	2.589	17.9	22.9	128 W	75	34
5 11	16 20.54	+30 37.9	1.813	2.569	17.9	22.9	129 W	76	33
5 16	16 13.12	+30 54.5	1.787	2.548	18.0	22.8	129 W	76	33
5 21	16 5.30	+30 59.9	1.766	2.526	18.2	22.8	129 W	76	33
5 26	15 57.26	+30 53.2	1.750	2.504	18.6	22.8	128 E	76	33
5 31	15 49.20	+30 34.1	1.739	2.481	19.2	22.7	127 E	76	33
6 5	15 41.28	+30 2.6	1.733	2.457	19.8	22.7	125 E	75	34
6 10	15 33.72	+29 19.0	1.731	2.433	20.6	22.7	123 E	74	35

455213 2001 OE_{84}

5 6	16 27.68	−28 35.2	2.112	3.056	8.1	22.5	155 W	16	87
5 11	16 22.53	−28 39.3	2.071	3.042	6.4	22.4	160 W	16	87
5 16	16 16.93	−28 40.8	2.037	3.027	4.7	22.3	166 W	16	87
5 21	16 10.98	−28 39.5	2.010	3.012	3.2	22.1	170 W	16	87
5 26	16 4.83	−28 35.4	1.990	2.997	2.6	22.1	172 E	16	87
5 31	15 58.61	−28 28.6	1.978	2.982	3.4	22.1	170 E	17	88
6 5	15 52.47	−28 19.3	1.973	2.966	4.9	22.2	165 E	17	88
6 10	15 46.55	−28 8.0	1.975	2.950	6.8	22.2	160 E	17	88
6 15	15 41.00	−27 55.1	1.985	2.934	8.6	22.3	154 E	17	88
6 20	15 35.92	−27 41.4	2.000	2.917	10.4	22.4	149 E	17	88

138524 2000 OJ_{8}

5 6	16 35.34	−19 32.5	2.585	3.526	6.9	22.1	155 W	25	84
5 16	16 26.32	−19 0.8	2.513	3.505	3.7	21.9	167 W	26	83
5 26	16 16.32	−18 26.1	2.470	3.483	0.9	21.6	177 W	27	82
6 5	16 6.11	−17 50.4	2.459	3.459	3.4	21.8	168 E	27	82
6 15	15 56.49	−17 16.3	2.477	3.433	6.8	22.0	157 E	28	81
6 25	15 48.17	−16 46.6	2.523	3.407	9.8	22.1	145 E	28	81

366455 2002 AZ_{126}

5 6	16 35.52	−24 58.1	2.076	3.017	8.3	21.3	154 W	20	89
5 16	16 26.92	−24 35.6	1.995	2.986	4.7	21.0	166 W	20	89
5 26	16 16.97	−24 5.2	1.943	2.954	1.1	20.7	177 W	21	88
6 5	16 6.63	−23 28.5	1.918	2.922	3.6	20.8	170 E	22	87
6 15	15 56.91	−22 48.4	1.922	2.889	7.6	21.0	158 E	22	87
6 25	15 48.76	−22 9.1	1.952	2.854	11.4	21.1	146 E	23	86
7 5	15 42.83	−21 34.4	2.003	2.819	14.7	21.3	135 E	23	86
7 15	15 39.51	−21 7.4	2.073	2.784	17.4	21.4	125 E	24*	85

455190 2000 QE_{25}

5 6	16 38.74	− 6 20.1	2.353	3.278	8.3	21.8	152 W	39	70
5 16	16 30.40	− 5 35.1	2.289	3.259	6.0	21.6	160 W	39	70
5 26	16 21.03	− 4 57.7	2.254	3.239	5.0	21.5	164 W	40	69
6 5	16 11.38	− 4 31.0	2.247	3.217	6.3	21.6	160 E	40	69
6 15	16 2.25	− 4 16.9	2.268	3.195	8.9	21.7	151 E	41	68
6 25	15 54.38	− 4 16.6	2.315	3.171	11.6	21.8	141 E	41	68

448142 2008 SG_{137}

5 6	16 43.45	−29 28.3	1.385	2.321	12.0	21.3	151 W	16	87
5 16	16 34.06	−29 54.3	1.306	2.289	7.8	20.9	162 W	15	86
5 26	16 22.16	−30 7.3	1.251	2.256	4.2	20.6	171 W	15	86
6 5	16 9.15	−30 5.2	1.221	2.223	5.5	20.6	168 E	15	86
6 15	15 56.75	−29 49.2	1.216	2.189	10.2	20.8	158 E	15	86
6 25	15 46.65	−29 24.5	1.234	2.155	15.1	21.0	146 E	16	87
7 5	15 39.97	−28 57.9	1.271	2.121	19.5	21.1	136 E	16	87
7 15	15 37.26	−28 35.4	1.322	2.087	23.3	21.3	126 E	16*	87
7 25	15 38.64	−28 21.0	1.384	2.052	26.2	21.5	117 E	16*	88

329774 2004 LE

5 6	16 43.50	+ 9 49.7	2.044	2.905	12.4	21.3	142 W	55	54
5 11	16 38.08	+11 4.8	1.985	2.864	12.0	21.2	144 W	56	53
5 16	16 32.00	+12 18.1	1.933	2.823	11.8	21.1	145 W	57	52
5 21	16 25.34	+13 27.9	1.889	2.782	11.9	21.0	145 W	58	51
5 26	16 18.20	+14 33.1	1.852	2.739	12.5	21.0	144 W	60	49
5 31	16 10.71	+15 32.4	1.822	2.696	13.3	20.9	142 E	61	48
6 5	16 3.00	+16 24.5	1.800	2.653	14.4	20.9	139 E	61	48
6 10	15 55.23	+17 8.6	1.784	2.608	15.8	20.9	136 E	62	47
6 15	15 47.57	+17 43.9	1.774	2.563	17.3	20.9	132 E	63	46
6 20	15 40.19	+18 10.2	1.770	2.517	18.8	20.9	127 E	63	46
6 25	15 33.22	+18 27.5	1.770	2.470	20.3	20.9	123 E	63	46
6 30	15 26.80	+18 36.3	1.775	2.422	21.8	20.9	118 E	64	45
7 5	15 21.01	+18 36.9	1.783	2.374	23.2	20.9	113 E	64	45
7 10	15 15.95	+18 30.1	1.793	2.324	24.5	20.9	108 E	63*	45

329774 2004 LE *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
7 15	15 11.67	+18 16.6	1.805	2.274	25.7	20.9	104 E	62*	46
7 20	15 8.20	+17 57.3	1.819	2.223	26.8	20.9	99 E	60*	46
7 25	15 5.55	+17 32.9	1.832	2.171	27.8	20.9	95 E	58*	46
7 30	15 3.72	+17 4.3	1.845	2.117	28.7	20.9	91 E	56*	47
8 4	15 2.69	+16 32.0	1.856	2.063	29.4	20.9	87 E	54*	47
8 9	15 2.45	+15 56.6	1.866	2.008	30.1	20.9	83 E	52*	48*
8 14	15 2.99	+15 18.6	1.874	1.951	30.6	20.8	79 E	50*	48*
8 19	15 4.26	+14 38.6	1.879	1.894	31.1	20.8	75 E	48*	48*
8 24	15 6.26	+13 56.9	1.881	1.835	31.6	20.7	72 E	46*	47*
8 29	15 8.95	+13 13.7	1.879	1.775	31.9	20.7	68 E	44*	45*
9 3	15 12.32	+12 29.3	1.873	1.714	32.3	20.6	65 E	43*	43*
9 8	15 16.36	+11 43.8	1.862	1.651	32.6	20.5	62 E	41*	42*
9 13	15 21.06	+10 57.4	1.847	1.587	33.0	20.4	59 E	40*	39*
9 23	15 32.46	+ 9 21.8	1.801	1.454	33.8	20.2	54 E	37*	35*
10 3	15 46.57	+ 7 42.0	1.734	1.315	35.0	19.9	49 E	35*	30*
10 13	16 3.64	+ 5 55.5	1.642	1.170	37.0	19.6	45 E	33*	26*
10 18	16 13.39	+ 4 58.3	1.586	1.094	38.4	19.4	43 E	32*	23*
10 23	16 24.03	+ 3 57.0	1.524	1.017	40.2	19.2	41 E	31*	21*
10 28	16 35.64	+ 2 49.8	1.455	0.938	42.6	19.0	40 E	30*	19*
11 2	16 48.31	+ 1 34.0	1.379	0.858	45.7	18.8	38 E	29*	18*
11 7	17 2.13	+ 0 5.4	1.295	0.777	49.9	18.6	37 E	28*	16*
11 12	17 17.14	− 1 42.7	1.203	0.697	55.4	18.3	35 E	27*	15*
11 14	17 23.46	− 2 33.7	1.164	0.665	58.1	18.2	35 E	26*	15*
11 16	17 29.96	− 3 30.4	1.124	0.634	61.2	18.1	34 E	25*	15*
11 18	17 36.60	− 4 34.2	1.083	0.604	64.7	18.1	33 E	24*	15*
11 20	17 43.36	− 5 46.4	1.040	0.574	68.6	18.0	33 E	24*	14*
11 22	17 50.18	− 7 8.7	0.997	0.546	73.1	17.9	32 E	23*	14*
11 24	17 56.98	− 8 43.4	0.953	0.520	78.1	17.9	31 E	21*	14*
11 26	18 3.66	−10 32.8	0.909	0.496	83.8	17.9	30 E	20*	15*
11 28	18 10.09	−12 39.4	0.865	0.475	90.0	17.9	29 E	18*	15*
11 30	18 16.07	−15 5.9	0.822	0.457	96.7	18.0	27 E	16*	15*
12 2	18 21.38	−17 54.4	0.781	0.444	103.8	18.2	26 E	13*	15*
12 4	18 25.77	−21 6.2	0.743	0.435	110.9	18.5	24 E	10*	15*
12 6	18 28.96	−24 40.6	0.708	0.432	117.6	18.8	23 E	7*	15*
12 8	18 30.70	−28 35.0	0.679	0.433	123.2	19.1	22 E	3*	15*
12 10	18 30.77	−32 43.9	0.655	0.440	127.1	19.4	21 E	—	15*
12 12	18 29.01	−36 59.9	0.637	0.452	128.6	19.6	21 E	—	14*
12 13	18 27.42	−39 7.9	0.630	0.460	128.5	19.6	21 E	—	14*
12 14	18 25.34	−41 14.6	0.625	0.468	127.8	19.5	22 E	—	14*
12 15	18 22.79	−43 18.7	0.621	0.478	126.7	19.5	23 E	—	13*
12 16	18 19.76	−45 19.6	0.619	0.488	125.1	19.4	24 E	—	13*
12 17	18 16.28	−47 16.5	0.618	0.499	123.2	19.2	25 E	—	12*
12 18	18 12.35	−49 8.6	0.618	0.511	121.0	19.1	26 E	—	12*
12 19	18 8.00	−50 55.5	0.619	0.524	118.7	19.0	28 E	—	11*
12 20	18 3.24	−52 36.9	0.620	0.537	116.3	18.9	29 E	—	11*
12 21	17 58.10	−54 12.5	0.623	0.550	113.8	18.8	31 E	—	11*
12 22	17 52.61	−55 42.3	0.627	0.564	111.3	18.7	32 W	—	12*
12 24	17 40.68	−58 24.4	0.635	0.593	106.4	18.5	35 W	—	16*
12 26	17 27.69	−60 44.1	0.645	0.623	101.6	18.4	38 W	—	19*
12 28	17 13.87	−62 43.2	0.657	0.654	97.2	18.4	41 W	—	22*
12 30	16 59.45	−64 24.0	0.669	0.686	93.1	18.3	44 W	—	25*
1 1	16 44.63	−65 48.7	0.681	0.718	89.3	18.3	47 W	—	28*
1 3	16 29.56	−66 59.7	0.693	0.750	85.8	18.3	50 W	—	30*
1 5	16 14.38	−67 59.0	0.705	0.782	82.6	18.3	52 W	—	32*
1 7	15 59.16	−68 48.2	0.716	0.815	79.6	18.3	55 W	—	34*
1 9	15 43.95	−69 29.0	0.728	0.847	76.9	18.3	57 W	—	36*
1 11	15 28.78	−70 2.4	0.738	0.879	74.3	18.4	59 W	—	38*
1 13	15 13.66	−70 29.4	0.748	0.911	72.0	18.4	62 W	—	39*
1 15	14 58.57	−70 50.7	0.757	0.943	69.7	18.4	64 W	—	41*
1 17	14 43.51	−71 6.9	0.766	0.975	67.6	18.4	66 W	—	42*
1 19	14 28.46	−71 18.1	0.774	1.006	65.6	18.5	69 W	—	43*
1 21	14 13.42	−71 24.7	0.781	1.037	63.7	18.5	71 W	—	43*

511096 2013 TO_{139}

5 6	16 47.50	−24 34.1	2.101	3.028	9.1	21.4	152 W	20	89
5 16	16 38.90	−24 50.0	2.011	2.993	5.6	21.1	163 W	20	89
5 26	16 28.59	−25 0.8	1.948	2.957	1.9	20.8	174 W	20	89
6 5	16 17.48	−25 5.8	1.913	2.921	2.9	20.8	172 E	20	89
6 15	16 6.61	−25 5.8	1.907	2.884	6.9	21.0	160 E	20	89
6 25	15 57.06	−25 3.0	1.928	2.846	10.7	21.2	149 E	20	89
7 5	15 49.64	−25 0.4	1.972	2.807	14.2	21.3	138 E	20	89
7 15	15 44.87	−25 0.8	2.034	2.768	17.1	21.5	127 E	20*	89

402010 2003 QP_{104}

5 6	16 48.60	−39 31.1	2.508	3.390	9.7	22.1	146 W	5	76
5 11	16 43.80	−39 41.0	2.477	3.392	8.5	22.0	150 W	5	76
5 16	16 38.53	−39 47.1	2.453	3.394	7.3	21.9	155 W	5	76
5 21	16 32.94	−39 49.0	2.435	3.396	6.3	21.9	158 W	5	76

402010 2003 QP_{104} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 26	16 27.13	−39 46.7	2.424	3.398	5.6	21.8	161 W	5	76
5 31	16 21.24	−39 40.1	2.420	3.399	5.3	21.8	162 E	5	76
6 5	16 15.41	−39 29.3	2.423	3.400	5.5	21.8	161 E	6	77
6 10	16 9.76	−39 14.7	2.434	3.401	6.1	21.9	159 E	6	77
6 15	16 4.43	−38 56.8	2.451	3.402	7.1	21.9	156 E	6	77
6 20	15 59.53	−38 36.2	2.475	3.402	8.2	22.0	151 E	6	77
6 25	15 55.14	−38 13.5	2.506	3.402	9.4	22.1	147 E	7	78

529382 2009 WL_{69}

5 6	16 48.84	−13 27.6	2.142	3.067	9.0	22.0	152 W	32	77
5 16	16 41.08	−13 3.8	2.057	3.035	5.9	21.7	162 W	32	77
5 26	16 31.86	−12 42.7	1.998	3.001	3.3	21.5	170 W	32	77
6 5	16 21.97	−12 26.3	1.968	2.967	4.2	21.5	168 E	33	76
6 15	16 12.32	−12 16.9	1.966	2.932	7.5	21.6	158 E	33	76
6 25	16 3.82	−12 16.1	1.990	2.896	11.0	21.8	147 E	33	76

237838 2002 EV_{71}

5 6	16 49.74	−35 40.2	3.770	4.652	6.7	21.6	147 W	9	80
5 16	16 43.31	−35 46.3	3.728	4.675	4.9	21.5	157 W	9	80
5 26	16 36.14	−35 44.1	3.714	4.698	3.3	21.4	164 W	9	80
6 5	16 28.78	−35 33.7	3.729	4.720	3.0	21.4	166 E	9	80
6 15	16 21.76	−35 16.1	3.773	4.742	4.1	21.5	160 E	10	81
6 25	16 15.59	−34 53.1	3.845	4.764	5.8	21.7	152 E	10	81

376837 2001 QA_{114}

5 6	16 51.10	+11 54.6	2.879	3.701	10.3	22.4	139 W	57	52
5 16	16 43.61	+12 28.3	2.829	3.693	9.3	22.3	144 W	57	52
5 26	16 35.19	+12 44.1	2.803	3.684	8.9	22.3	146 W	58	51
6 5	16 26.45	+12 40.0	2.802	3.674	9.3	22.3	144 E	58	51
6 15	16 18.04	+12 15.2	2.826	3.663	10.3	22.3	140 E	57	52
6 25	16 10.55	+11 31.0	2.874	3.651	11.6	22.4	134 E	57	52

141527 2002 FG_{7}

5 6	16 51.90	−10 3.4	1.424	2.353	12.3	22.2	150 W	35	74
5 11	16 44.71	− 9 28.8	1.408	2.366	10.1	22.1	156 W	36	73
5 16	16 37.00	− 8 55.6	1.399	2.378	7.9	22.0	161 W	36	73
5 21	16 28.95	− 8 24.6	1.397	2.389	6.3	21.9	165 W	37	72
5 26	16 20.77	− 7 56.3	1.402	2.399	5.6	21.9	167 W	37	72
5 31	16 12.68	− 7 31.5	1.415	2.409	6.3	21.9	165 E	37	72
6 5	16 4.86	− 7 10.7	1.435	2.417	7.9	22.1	161 E	38	71
6 10	15 57.50	− 6 54.3	1.463	2.425	9.9	22.2	156 E	38	71
6 15	15 50.76	− 6 42.5	1.497	2.432	11.9	22.3	150 E	38	71
6 20	15 44.75	− 6 35.3	1.538	2.439	13.9	22.5	145 E	38	71

143637 2003 LP_{6}

5 6	16 54.93	+38 21.3	2.348	2.960	17.5	21.5	118 W	83	26
5 11	16 47.97	+39 16.9	2.318	2.938	17.6	21.5	119 W	84	25
5 16	16 40.32	+40 3.8	2.292	2.916	17.7	21.5	119 W	85	24
5 21	16 32.08	+40 41.0	2.271	2.894	17.9	21.4	118 W	86	23
5 26	16 23.43	+41 7.3	2.255	2.870	18.2	21.4	118 W	86	23
5 31	16 14.52	+41 22.2	2.243	2.846	18.6	21.4	117 E	86	23
6 5	16 5.56	+41 25.2	2.235	2.820	19.0	21.4	115 E	86	23
6 10	15 56.73	+41 16.3	2.232	2.794	19.5	21.4	113 E	86	23
6 15	15 48.23	+40 55.8	2.232	2.768	20.0	21.4	111 E	86	23
6 20	15 40.24	+40 24.3	2.235	2.740	20.5	21.4	109 E	85	24
6 25	15 32.88	+39 42.7	2.242	2.712	21.1	21.4	106 E	85	24
6 30	15 26.26	+38 52.1	2.252	2.682	21.6	21.4	104 E	84	25
7 5	15 20.46	+37 53.7	2.264	2.652	22.1	21.4	101 E	83	26
7 10	15 15.50	+36 48.4	2.277	2.621	22.6	21.4	98 E	81*	27
7 15	15 11.43	+35 37.4	2.293	2.589	23.0	21.4	95 E	78*	28
7 20	15 8.22	+34 21.8	2.309	2.556	23.4	21.4	92 E	75*	30
7 25	15 5.85	+33 2.6	2.326	2.522	23.7	21.4	89 E	71*	31
7 30	15 4.30	+31 40.6	2.343	2.487	24.0	21.4	86 E	68*	32
8 4	15 3.51	+30 16.5	2.360	2.451	24.3	21.3	83 E	65*	34
8 9	15 3.47	+28 50.9	2.376	2.414	24.4	21.3	80 E	62*	35*
8 14	15 4.11	+27 24.4	2.392	2.376	24.5	21.3	77 E	59*	36*
8 19	15 5.42	+25 57.3	2.406	2.337	24.6	21.3	74 E	57*	37*
8 24	15 7.33	+24 30.2	2.418	2.297	24.6	21.3	71 E	54*	37*
8 29	15 9.81	+23 3.1	2.429	2.255	24.5	21.2	68 E	52*	37*
9 3	15 12.85	+21 36.4	2.438	2.213	24.4	21.2	65 E	50*	36*
9 8	15 16.40	+20 10.1	2.444	2.169	24.3	21.2	62 E	48*	35*
9 13	15 20.45	+18 44.4	2.447	2.123	24.1	21.1	60 E	46*	33*
9 18	15 24.97	+17 19.4	2.448	2.077	23.9	21.1	57 E	44*	32*
9 23	15 29.95	+15 55.2	2.445	2.029	23.7	21.0	54 E	42*	30*
9 28	15 35.38	+14 31.7	2.439	1.980	23.4	20.9	52 E	40*	28*
10 3	15 41.24	+13 8.9	2.430	1.929	23.1	20.8	49 E	38*	26*
10 8	15 47.54	+11 46.8	2.416	1.876	22.8	20.8	47 E	37*	24*
10 13	15 54.27	+10 25.3	2.400	1.822	22.4	20.7	44 E	35*	21*
10 18	16 1.44	+ 9 4.4	2.379	1.766	22.1	20.6	42 E	33*	19*
10 23	16 9.05	+ 7 44.0	2.354	1.708	21.8	20.5	40 E	32*	16*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
11 2	16 25.68	+ 5 3.6	2.292	1.586	21.1	20.2	35 E	28*	11*
11 12	16 44.34	+ 2 22.6	2.212	1.456	20.5	20.0	31 E	25*	6*
11 22	17 5.34	− 0 21.6	2.115	1.315	20.0	19.6	27 E	21*	1*
12 2	17 29.18	− 3 12.9	2.001	1.162	19.6	19.2	23 E	17*	—
12 7	17 42.42	− 4 43.0	1.936	1.080	19.4	19.0	21 E	15*	—
12 12	17 56.71	− 6 17.4	1.867	0.994	19.2	18.7	19 E	13*	—
12 17	18 12.24	− 7 57.7	1.793	0.903	19.1	18.4	17 E	11*	—
12 22	18 29.26	− 9 45.8	1.713	0.807	18.8	18.1	15 E	9*	—
12 27	18 48.12	−11 44.3	1.627	0.705	18.4	17.6	13 E	7*	—
1 1	19 9.31	−13 57.1	1.533	0.597	18.0	17.1	11 E	5*	—
1 6	19 33.46	−16 30.0	1.429	0.481	18.2	16.5	9 E	3*	—
1 11	20 1.32	−19 32.4	1.305	0.359	22.6	15.8	8 E	1*	—
1 16	20 32.35	−23 13.9	1.143	0.245	44.6	15.3	10 E	—	4*
1 21	20 54.27	−26 38.6	0.921	0.207	101.9	16.5	12 E	—	6*

143637 2003 LP_{6} *(continuation)*

11 2	16 25.68	+ 5 3.6	2.292	1.586	21.1	20.2	35 E	28*	11*
11 12	16 44.34	+ 2 22.6	2.212	1.456	20.5	20.0	31 E	25*	6*
11 22	17 5.34	− 0 21.6	2.115	1.315	20.0	19.6	27 E	21*	1*
12 2	17 29.18	− 3 12.9	2.001	1.162	19.6	19.2	23 E	17*	—
12 7	17 42.42	− 4 43.0	1.936	1.080	19.4	19.0	21 E	15*	—
12 12	17 56.71	− 6 17.4	1.867	0.994	19.2	18.7	19 E	13*	—
12 17	18 12.24	− 7 57.7	1.793	0.903	19.1	18.4	17 E	11*	—
12 22	18 29.26	− 9 45.8	1.713	0.807	18.8	18.1	15 E	9*	—
12 27	18 48.12	−11 44.3	1.627	0.705	18.4	17.6	13 E	7*	—
1 1	19 9.31	−13 57.1	1.533	0.597	18.0	17.1	11 E	5*	—
1 6	19 33.46	−16 30.0	1.429	0.481	18.2	16.5	9 E	3*	—
1 11	20 1.32	−19 32.4	1.305	0.359	22.6	15.8	8 E	1*	—
1 16	20 32.35	−23 13.9	1.143	0.245	44.6	15.3	10 E	—	4*
1 21	20 54.27	−26 38.6	0.921	0.207	101.9	16.5	12 E	—	6*

362925 2012 DX_{30}

5 6	16 55.83	+ 9 38.4	2.398	3.235	11.6	22.3	140 W	55	54
5 11	16 52.14	+10 20.0	2.389	3.248	10.9	22.2	142 W	55	54
5 16	16 48.13	+10 57.0	2.385	3.261	10.4	22.2	144 W	56	53
5 21	16 43.89	+11 28.8	2.387	3.274	10.0	22.2	146 W	56	53
5 26	16 39.51	+11 55.0	2.396	3.287	9.9	22.2	146 W	57	52
5 31	16 35.08	+12 15.3	2.411	3.299	9.9	22.2	146 W	57	52
6 5	16 30.69	+12 29.6	2.432	3.311	10.2	22.3	145 E	57	52
6 10	16 26.44	+12 37.7	2.459	3.323	10.7	22.3	143 E	58	51
6 15	16 22.41	+12 39.8	2.492	3.335	11.3	22.4	140 E	58	51
6 20	16 18.67	+12 36.1	2.530	3.347	11.9	22.5	137 E	58	51

271366 2003 YE

5 6	16 55.93	+ 0 39.2	1.773	2.662	12.6	21.7	145 W	46	63
5 11	16 51.67	+ 1 33.6	1.759	2.674	11.4	21.7	149 W	47	62
5 16	16 46.99	+ 2 24.1	1.752	2.685	10.3	21.6	152 W	47	62
5 21	16 42.01	+ 3 9.9	1.752	2.696	9.6	21.6	154 W	48	61
5 26	16 36.86	+ 3 50.1	1.757	2.706	9.3	21.6	154 W	49	60
5 31	16 31.66	+ 4 24.3	1.770	2.716	9.5	21.6	154 W	49	60
6 5	16 26.54	+ 4 52.0	1.789	2.726	10.1	21.7	152 E	50	59
6 10	16 21.63	+ 5 12.9	1.814	2.736	11.0	21.8	149 E	50	59
6 15	16 17.03	+ 5 27.1	1.846	2.746	12.0	21.8	146 E	50	59
6 20	16 12.85	+ 5 34.6	1.883	2.755	13.2	21.9	142 E	51	58
6 25	16 9.16	+ 5 36.0	1.925	2.764	14.3	22.0	138 E	51	58
6 30	16 6.02	+ 5 31.7	1.972	2.772	15.4	22.1	134 E	51	58

401994 2003 BS_{27}

5 6	16 59.62	− 6 54.6	2.715	3.606	8.7	22.1	147 W	38	71
5 16	16 52.49	− 6 22.2	2.654	3.603	6.4	22.0	156 W	39	70
5 26	16 44.30	− 5 56.5	2.619	3.600	4.8	21.9	163 W	39	70
6 5	16 35.65	− 5 39.7	2.614	3.595	4.8	21.9	163 E	39	70
6 15	16 27.23	− 5 33.1	2.637	3.590	6.6	22.0	156 E	39	70
6 25	16 19.66	− 5 37.4	2.687	3.584	8.9	22.1	147 E	39	70

394804 2008 RS_{68}

5 6	17 0.52	−15 15.3	1.422	2.345	12.8	21.6	149 W	30	79
5 16	16 53.11	−14 48.8	1.341	2.316	8.6	21.3	160 W	30	79
5 26	16 43.31	−14 24.7	1.283	2.287	4.5	20.9	170 W	31	78
6 5	16 32.21	−14 5.5	1.251	2.258	4.3	20.8	170 E	31	78
6 15	16 21.15	−13 54.3	1.244	2.228	8.7	21.0	161 E	31	78
6 25	16 11.58	−13 54.0	1.261	2.197	13.6	21.2	149 E	31	78
7 5	16 4.59	−14 6.0	1.297	2.167	18.1	21.4	139 E	31	78

524639 2003 SA_{169}

5 6	17 1.13	−15 45.6	2.186	3.094	9.7	22.5	149 W	29	80
5 16	16 53.33	−15 29.6	2.107	3.077	6.4	22.3	160 W	30	79
5 26	16 43.98	−15 15.0	2.056	3.059	3.2	22.0	170 W	30	79
6 5	16 33.87	−15 3.2	2.032	3.039	2.9	22.0	171 E	30	79
6 15	16 23.92	−14 55.6	2.038	3.019	6.1	22.1	162 E	30	79
6 25	16 15.03	−14 53.9	2.071	2.998	9.6	22.3	151 E	30	79

455578 2004 RA_{216}

5 6	17 2.25	−33 57.6	1.617	2.517	13.0	21.4	146 W	11	82
5 11	16 58.39	−33 57.7	1.571	2.503	11.2	21.3	151 W	11	82
5 16	16 53.77	−33 53.9	1.530	2.489	9.4	21.1	156 W	11	82
5 21	16 48.52	−33 45.7	1.494	2.474	7.5	21.0	161 W	11	82
5 26	16 42.77	−33 32.8	1.466	2.460	5.8	20.8	166 W	11	82
5 31	16 36.69	−33 14.9	1.443	2.445	4.7	20.7	169 W	12	83
6 5	16 30.47	−32 52.3	1.428	2.430	4.7	20.7	169 E	12	83
6 10	16 24.29	−32 25.2	1.418	2.415	5.9	20.7	166 E	13	84
6 15	16 18.38	−31 54.4	1.416	2.400	7.8	20.8	161 E	13	84
6 20	16 12.91	−31 20.6	1.419	2.385	9.9	20.9	156 E	14	85
6 25	16 8.05	−30 44.9	1.429	2.370	12.0	21.0	151 E	14	85
6 30	16 3.91	−30 8.4	1.444	2.354	14.1	21.1	146 E	15	86
7 5	16 0.57	−29 31.9	1.464	2.338	16.1	21.1	140 E	15	86

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
455578 2004 RA_{216} *(continuation)*									
7 10	15 58.12	−28 56.4	1.489	2.322	18.0	21.2	135 E	16	87
7 15	15 56.57	−28 22.7	1.518	2.306	19.7	21.3	130 E	17	88
7 20	15 55.94	−27 51.4	1.550	2.290	21.3	21.4	125 E	17*	88
7 25	15 56.21	−27 22.7	1.585	2.274	22.7	21.5	120 E	17*	89
506446 2001 RD_{142}									
5 6	17 2.39	−11 26.8	2.702	3.597	8.6	22.0	148 W	34	75
5 16	16 55.52	−11 17.4	2.604	3.562	6.1	21.8	158 W	34	75
5 26	16 47.32	−11 12.4	2.533	3.526	3.8	21.6	167 W	34	75
6 5	16 38.35	−11 12.8	2.490	3.490	3.4	21.5	168 E	34	75
6 15	16 29.32	−11 19.9	2.478	3.453	5.6	21.6	161 E	34	75
6 25	16 20.95	−11 34.3	2.493	3.414	8.4	21.7	150 E	33	76
370785 2004 SS_{55}									
5 6	17 8.85	+ 6 54.8	3.124	3.939	9.7	22.3	139 W	52	57
5 16	17 2.61	+ 7 58.0	3.063	3.932	8.5	22.2	145 W	53	56
5 26	16 55.35	+ 8 48.5	3.027	3.924	7.8	22.1	148 W	54	55
6 5	16 47.56	+ 9 23.2	3.017	3.915	7.9	22.1	148 E	54	55
6 15	16 39.79	+ 9 40.3	3.033	3.905	8.7	22.2	145 E	55	54
6 25	16 32.63	+ 9 39.5	3.074	3.895	9.9	22.2	139 E	55	54
349930 2009 XH_{17}									
5 6	17 11.90	−25 32.9	1.467	2.373	13.7	21.5	146 W	19	90
5 16	17 4.39	−25 25.9	1.379	2.346	9.5	21.2	157 W	20	89
5 26	16 54.12	−25 10.6	1.315	2.318	4.7	20.8	169 W	20	89
6 5	16 42.16	−24 46.2	1.275	2.289	1.4	20.5	177 E	20	89
6 15	16 29.98	−24 14.2	1.262	2.260	6.5	20.8	166 E	21	88
6 25	16 19.18	−23 38.9	1.273	2.230	11.7	21.0	154 E	21	88
7 5	16 11.02	−23 5.3	1.306	2.199	16.5	21.2	142 E	22	87
7 15	16 6.28	−22 38.4	1.357	2.168	20.6	21.4	131 E	22	87
452651 2005 UP_{231}									
5 6	17 12.28	−21 37.5	1.123	2.041	15.8	21.8	146 W	23	86
5 16	17 7.09	−21 17.6	1.038	2.009	11.2	21.4	157 W	24	85
5 26	16 58.69	−20 52.8	0.973	1.977	5.7	21.0	169 W	24	85
6 5	16 48.14	−20 23.9	0.931	1.945	1.2	20.6	178 E	25	84
6 15	16 37.01	−19 53.9	0.912	1.914	7.1	20.8	167 E	25	84
6 25	16 27.20	−19 27.4	0.914	1.884	13.3	21.1	155 E	26	83
7 5	16 20.26	−19 9.0	0.935	1.854	19.0	21.3	144 E	26	83
7 15	16 17.19	−19 2.2	0.971	1.825	23.9	21.5	133 E	26	83
422757 2001 TL_7									
5 6	17 15.56	−18 35.7	2.014	2.904	11.3	21.6	146 W	26	83
5 16	17 8.83	−17 46.7	1.915	2.872	8.0	21.4	157 W	27	82
5 26	17 0.14	−16 54.3	1.842	2.840	4.4	21.1	168 W	28	81
6 5	16 50.24	−16 1.0	1.796	2.807	2.3	20.9	173 E	29	80
6 15	16 40.09	−15 10.0	1.779	2.773	5.4	21.0	165 E	30	79
6 25	16 30.74	−14 24.9	1.789	2.738	9.4	21.2	154 E	31	78
7 5	16 23.09	−13 49.0	1.823	2.703	13.2	21.3	143 E	31	78
7 15	16 17.75	−13 24.1	1.877	2.667	16.5	21.5	132 E	32	77
397195 2006 BO_{149}									
5 6	17 17.55	+ 9 29.0	2.146	2.952	13.8	21.7	136 W	54	55
5 11	17 14.08	+10 1.5	2.123	2.959	13.0	21.7	139 W	55	54
5 16	17 10.16	+10 29.4	2.106	2.966	12.2	21.6	142 W	55	54
5 21	17 5.87	+10 52.0	2.094	2.972	11.6	21.6	144 W	56	53
5 26	17 1.30	+11 8.8	2.088	2.978	11.1	21.6	145 W	56	53
5 31	16 56.56	+11 19.3	2.088	2.984	10.9	21.6	146 W	56	53
6 5	16 51.74	+11 23.4	2.094	2.990	10.9	21.6	146 E	56	53
6 10	16 46.96	+11 20.9	2.106	2.996	11.2	21.6	145 E	56	53
6 15	16 42.33	+11 11.8	2.124	3.001	11.7	21.6	143 E	56	53
6 20	16 37.96	+10 56.4	2.148	3.006	12.3	21.7	141 E	56	53
6 25	16 33.92	+10 35.2	2.177	3.011	13.1	21.7	138 E	56	53
6 30	16 30.29	+10 8.6	2.212	3.015	13.9	21.8	135 E	55	54
289282 2004 XB_{167}									
5 6	17 19.60	−14 49.7	1.983	2.864	11.8	21.4	144 W	30	79
5 16	17 12.43	−14 41.2	1.894	2.844	8.5	21.1	155 W	30	79
5 26	17 3.22	−14 36.0	1.830	2.823	5.0	20.9	166 W	30	79
6 5	16 52.74	−14 35.2	1.793	2.801	2.9	20.7	172 W	30	79
6 15	16 41.96	−14 39.8	1.785	2.779	5.4	20.8	165 E	30	79
6 25	16 31.97	−14 50.7	1.804	2.755	9.2	21.0	154 E	30	79
7 5	16 23.69	−15 8.6	1.847	2.731	12.9	21.2	143 E	30	79
7 15	16 17.76	−15 33.6	1.912	2.705	16.1	21.3	133 E	29	80
7 25	16 14.54	−16 5.5	1.992	2.679	18.7	21.5	123 E	29*	80
397474 2007 PP_6									
5 6	17 25.98	−20 9.8	2.185	3.054	11.4	22.1	143 W	25	84
5 16	17 13.19	−20 14.7	2.162	3.113	7.6	22.0	156 W	25	84
5 26	16 59.03	−20 16.3	2.170	3.170	3.6	21.8	169 W	25	84
6 5	16 44.57	−20 14.4	2.210	3.224	0.9	21.7	177 E	25	84

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
397474 2007 PP_6 *(continuation)*									
6 15	16 30.92	−20 10.1	2.284	3.276	4.5	22.1	165 E	25	84
6 25	16 19.01	−20 5.5	2.388	3.326	8.0	22.4	153 E	25	84
432509 2010 FF_7									
5 6	17 30.98	−25 14.6	1.037	1.934	18.8	22.0	142 W	20	89
5 11	17 23.20	−25 45.2	0.958	1.894	16.2	21.7	148 W	19	90
5 16	17 13.08	−26 17.1	0.885	1.853	13.1	21.3	155 W	19	90
5 21	17 0.35	−26 48.7	0.819	1.810	9.6	21.0	163 W	18	89
5 26	16 44.81	−27 17.2	0.759	1.766	5.7	20.6	170 W	18	89
5 31	16 26.40	−27 39.1	0.708	1.719	3.5	20.3	174 E	17	88
6 5	16 5.30	−27 49.8	0.665	1.671	7.1	20.3	168 E	17	88
6 10	15 42.05	−27 45.2	0.631	1.621	12.9	20.3	159 E	17	88
6 15	15 17.51	−27 22.5	0.607	1.569	19.4	20.4	149 E	18	89
6 20	14 52.78	−26 41.6	0.592	1.514	26.1	20.4	139 E	18	89
6 25	14 28.89	−25 45.4	0.585	1.458	32.8	20.5	129 E	19*	90
6 30	14 6.67	−24 38.4	0.585	1.398	39.4	20.6	119 E	19*	89
7 5	13 46.57	−23 26.1	0.589	1.337	45.7	20.7	110 E	18*	87
7 10	13 28.75	−22 13.1	0.597	1.272	51.7	20.8	101 E	17*	86
7 15	13 13.04	−21 2.4	0.606	1.205	57.5	20.9	92 E	15*	85*
7 20	12 59.09	−19 55.1	0.615	1.134	63.1	21.0	84 E	12*	78*
7 25	12 46.40	−18 50.5	0.623	1.060	68.7	21.0	76 E	10*	70*
7 30	12 34.40	−17 46.2	0.629	0.982	74.6	21.1	69 E	7*	63*
8 4	12 22.48	−16 38.0	0.632	0.900	80.9	21.1	61 E	4*	55*
8 9	12 9.87	−15 19.5	0.632	0.813	88.2	21.2	53 E	1*	47*
8 14	11 55.69	−13 40.8	0.629	0.721	97.0	21.3	45 E	—	38*
340844 2006 WK_{139}									
5 6	17 31.11	−20 57.5	1.164	2.055	17.6	21.3	142 W	24	85
5 16	17 26.86	−20 50.0	1.077	2.029	13.2	21.0	153 W	24	85
5 26	17 19.16	−20 41.4	1.009	2.002	8.0	20.6	164 W	24	85
6 5	17 8.82	−20 31.7	0.962	1.976	2.3	20.2	176 W	24	85
6 10	17 3.08	−20 26.8	0.948	1.962	1.7	20.1	177 E	25	84
6 15	16 57.27	−20 21.9	0.939	1.949	4.6	20.2	171 E	25	84
6 20	16 51.63	−20 17.6	0.936	1.936	7.7	20.3	165 E	25	84
6 25	16 46.39	−20 14.2	0.939	1.923	10.8	20.5	159 E	25	84
6 30	16 41.75	−20 11.9	0.946	1.910	13.8	20.6	153 E	25	84
7 5	16 37.87	−20 11.3	0.958	1.898	16.6	20.7	148 E	25	84
7 10	16 34.89	−20 12.7	0.975	1.885	19.2	20.8	142 E	25	84
7 15	16 32.92	−20 16.2	0.995	1.873	21.7	20.9	137 E	25	84
7 20	16 32.01	−20 22.0	1.019	1.860	23.9	21.0	132 E	25	84
7 25	16 32.16	−20 30.0	1.045	1.848	25.9	21.1	127 E	24	85
7 30	16 33.36	−20 40.1	1.074	1.836	27.6	21.2	123 E	24*	85
8 4	16 35.59	−20 52.1	1.105	1.825	29.2	21.3	119 E	24*	85
8 9	16 38.82	−21 5.6	1.138	1.813	30.5	21.4	115 E	24*	85
8 14	16 43.00	−21 20.5	1.172	1.802	31.7	21.5	111 E	23*	85
168318 1989 DA									
5 6	17 33.22	−34 31.1	1.149	2.026	18.8	21.7	140 W	10	81
5 11	17 26.29	−34 43.5	1.146	2.060	16.1	21.6	146 W	10	81
5 16	17 18.49	−34 50.4	1.148	2.093	13.4	21.6	151 W	10	81
5 21	17 10.09	−34 51.1	1.156	2.125	10.7	21.5	157 W	10	81
5 26	17 1.38	−34 45.4	1.170	2.157	8.2	21.5	162 W	10	81
5 31	16 52.64	−34 33.4	1.190	2.189	6.2	21.5	166 W	10	81
6 5	16 44.16	−34 15.7	1.217	2.220	5.4	21.5	168 E	11	82
6 10	16 36.19	−33 53.2	1.251	2.251	6.0	21.6	167 E	11	82
6 15	16 28.95	−33 27.0	1.291	2.281	7.6	21.8	163 E	12	83
6 20	16 22.60	−32 58.6	1.338	2.311	9.6	22.0	158 E	12	83
6 25	16 17.22	−32 29.2	1.390	2.340	11.5	22.2	153 E	13	84
6 30	16 12.86	−31 59.9	1.448	2.369	13.4	22.4	147 E	13	84
210669 2000 QK_{117}									
5 6	17 33.97	+ 4 46.6	2.392	3.182	13.0	21.4	135 W	50	59
5 16	17 27.54	+ 5 33.3	2.323	3.183	11.2	21.2	142 W	51	58
5 26	17 19.48	+ 6 4.8	2.278	3.183	9.7	21.1	148 W	51	58
6 5	17 10.39	+ 6 17.6	2.257	3.182	8.9	21.1	151 W	51	58
6 15	17 1.01	+ 6 9.6	2.262	3.179	9.3	21.1	150 E	51	58
6 25	16 52.15	+ 5 40.7	2.293	3.176	10.7	21.2	145 E	51	58
7 5	16 44.51	+ 4 53.0	2.347	3.172	12.5	21.3	138 E	50	59
7 15	16 38.60	+ 3 49.9	2.422	3.167	14.3	21.4	130 E	49	60
306399 1996 AX_1									
5 6	17 37.06	−26 49.6	2.581	3.419	10.8	21.3	140 W	18	89
5 16	17 30.15	−26 35.1	2.480	3.404	8.1	21.1	152 W	18	89
5 26	17 21.38	−26 14.8	2.405	3.387	5.0	20.9	163 W	19	90
6 5	17 11.36	−25 48.2	2.358	3.370	1.7	20.6	174 W	19	90
6 15	17 0.91	−25 15.8	2.342	3.351	2.3	20.6	172 E	20	89
6 25	16 50.93	−24 39.6	2.355	3.332	5.7	20.8	161 E	20	89
7 5	16 42.22	−24 2.1	2.396	3.311	9.0	21.0	149 E	21	88
7 15	16 35.40	−23 26.4	2.461	3.289	11.9	21.2	138 E	22	87
7 25	16 30.84	−22 55.0	2.547	3.267	14.3	21.3	128 E	22	87
8 4	16 28.67	−22 29.3	2.648	3.243	16.1	21.4	117 E	22*	86

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
524187 2001 OJ_{78}									
5 6	17 38.49	−26 45.1	1.228	2.104	17.9	21.3	140 W	18	89
5 16	17 34.94	−27 17.5	1.132	2.073	13.9	20.9	150 W	18	89
5 26	17 27.73	−27 47.4	1.056	2.041	9.2	20.6	161 W	17	88
6 5	17 17.50	−28 11.1	1.001	2.010	4.1	20.2	172 W	17	88
6 10	17 11.63	−28 19.3	0.982	1.995	2.7	20.0	175 E	17	88
6 15	17 5.56	−28 24.8	0.969	1.980	4.1	20.1	172 E	17	88
6 20	16 59.55	−28 27.5	0.962	1.965	6.8	20.2	167 E	17	88
6 25	16 53.84	−28 27.6	0.960	1.950	9.7	20.3	161 E	17	88
6 30	16 48.68	−28 25.6	0.963	1.935	12.6	20.4	155 E	17	88
7 5	16 44.24	−28 21.9	0.972	1.920	15.4	20.5	150 E	17	88
7 10	16 40.71	−28 17.4	0.984	1.905	18.1	20.6	144 E	17	88
7 15	16 38.22	−28 12.5	1.001	1.891	20.6	20.7	139 E	17	88
7 20	16 36.83	−28 8.0	1.022	1.877	22.9	20.8	134 E	17	88
7 25	16 36.58	−28 4.3	1.045	1.863	24.9	20.9	129 E	17	88
7 30	16 37.45	−28 1.5	1.071	1.849	26.8	21.0	125 E	17	88
8 4	16 39.44	−27 59.9	1.100	1.836	28.4	21.1	120 E	17*	88
8 9	16 42.50	−27 59.4	1.130	1.823	29.9	21.2	116 E	17*	88
8 14	16 46.59	−27 59.9	1.161	1.810	31.1	21.2	113 E	17*	88
8 19	16 51.65	−28 1.2	1.194	1.798	32.2	21.3	109 E	17*	88
8 24	16 57.63	−28 2.9	1.228	1.786	33.1	21.4	105 E	17*	88
8 29	17 4.44	−28 4.7	1.262	1.774	33.8	21.5	102 E	16*	88
304088 2006 HX_5									
5 6	17 40.84	−41 54.4	1.168	2.018	20.4	22.1	136 W	3	74
5 11	17 35.25	−43 15.7	1.140	2.023	18.6	22.0	140 W	2	73
5 16	17 28.13	−44 33.3	1.117	2.028	16.7	21.9	145 W	—	71
5 21	17 19.55	−45 44.9	1.100	2.033	15.1	21.8	149 W	—	70
5 26	17 9.70	−46 47.9	1.088	2.037	13.7	21.7	152 W	—	69
5 31	16 58.86	−47 40.2	1.082	2.041	12.8	21.7	154 W	—	68
6 5	16 47.41	−48 20.1	1.083	2.044	12.5	21.7	154 E	—	68
6 10	16 35.80	−48 46.7	1.089	2.047	12.9	21.7	153 E	—	67
6 15	16 24.53	−49 0.2	1.101	2.049	13.9	21.8	151 E	—	67
6 20	16 14.06	−49 1.8	1.119	2.051	15.3	21.8	148 E	—	67
6 25	16 4.73	−48 53.3	1.142	2.053	17.0	22.0	144 E	—	67
6 30	15 56.80	−48 36.9	1.170	2.054	18.7	22.1	140 E	—	67
409995 2006 WV_3									
5 6	17 45.34	−11 6.0	1.514	2.359	16.8	21.4	138 W	34	75
5 16	17 36.99	−11 8.0	1.461	2.383	12.8	21.2	149 W	34	75
5 26	17 25.98	−11 19.6	1.429	2.405	8.5	21.0	160 W	34	75
6 5	17 13.37	−11 41.1	1.424	2.425	5.0	20.8	168 W	33	76
6 15	17 0.46	−12 12.3	1.445	2.445	5.6	20.9	166 E	33	76
6 25	16 48.66	−12 51.8	1.494	2.462	9.3	21.1	157 E	32	77
7 5	16 39.07	−13 38.1	1.568	2.479	13.2	21.4	146 E	31	78
491007 2011 GL_{62}									
5 6	17 50.81	+ 0 24.9	1.077	1.911	22.8	22.2	133 W	45	64
5 11	17 42.95	+ 1 35.8	1.047	1.920	20.6	22.0	138 W	47	62
5 16	17 33.86	+ 2 43.5	1.023	1.928	18.5	21.9	143 W	48	61
5 21	17 23.69	+ 3 45.9	1.006	1.934	16.6	21.8	147 W	49	60
5 26	17 12.68	+ 4 41.1	0.994	1.939	15.1	21.8	150 W	50	59
5 31	17 1.11	+ 5 27.2	0.990	1.943	14.3	21.7	152 W	50	59
6 5	16 49.32	+ 6 2.9	0.993	1.945	14.4	21.7	151 E	51	58
6 10	16 37.66	+ 6 27.0	1.003	1.946	15.4	21.8	149 E	51	58
6 15	16 26.49	+ 6 39.4	1.019	1.946	17.0	21.9	146 E	52	57
6 20	16 16.10	+ 6 40.3	1.042	1.944	19.0	22.0	142 E	52	57
6 25	16 6.73	+ 6 30.9	1.071	1.940	21.0	22.1	137 E	52	57
6 30	15 58.51	+ 6 12.2	1.104	1.936	23.1	22.2	132 E	51	58
366431 2001 VB_{99}									
5 6	17 53.29	+ 0 43.9	2.552	3.313	13.1	21.4	132 W	46	63
5 16	17 47.61	+ 0 58.5	2.441	3.288	11.2	21.2	141 W	46	63
5 26	17 40.00	+ 1 0.3	2.352	3.262	9.2	21.0	149 W	46	63
6 5	17 30.90	+ 0 46.5	2.288	3.235	7.7	20.9	155 W	46	63
6 15	17 20.93	+ 0 15.3	2.251	3.207	7.3	20.8	156 E	45	64
6 25	17 10.91	− 0 33.7	2.243	3.178	8.5	20.9	152 E	44	65
7 5	17 1.63	− 1 38.7	2.261	3.149	10.7	20.9	145 E	43	66
7 15	16 53.80	− 2 56.8	2.304	3.118	13.0	21.0	136 E	42	67
7 25	16 47.95	− 4 24.5	2.368	3.087	15.3	21.2	127 E	41	68
8 4	16 44.34	− 5 58.2	2.449	3.054	17.1	21.3	118 E	39*	70
8 14	16 43.09	− 7 34.8	2.542	3.021	18.5	21.4	109 E	37*	72
8 24	16 44.19	− 9 11.7	2.644	2.987	19.5	21.5	100 E	35*	73
453780 2011 KH_6									
5 6	17 54.79	−20 57.3	1.025	1.889	21.5	21.2	137 W	24	85
5 16	17 55.29	−20 38.0	0.935	1.862	17.6	20.8	146 W	24	85
5 26	17 52.06	−20 18.5	0.862	1.836	12.8	20.5	156 W	25	84
6 5	17 45.47	−19 59.8	0.807	1.811	7.1	20.0	167 W	25	84
6 10	17 41.19	−19 51.1	0.787	1.799	4.2	19.8	173 W	25	84
6 15	17 36.50	−19 43.0	0.772	1.787	2.1	19.6	176 W	25	84

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
453780 2011 KH_6 *(continuation)*									
6 20	17 31.66	−19 35.9	0.763	1.776	3.7	19.7	174 E	25	84
6 25	17 26.90	−19 30.0	0.758	1.765	6.8	19.8	168 E	25	84
6 30	17 22.47	−19 25.6	0.758	1.755	10.0	20.0	163 E	26	83
7 5	17 18.59	−19 22.9	0.763	1.745	13.1	20.1	157 E	26	83
7 10	17 15.47	−19 22.2	0.772	1.735	16.2	20.2	152 E	26	83
7 15	17 13.26	−19 23.8	0.785	1.726	19.1	20.3	146 E	26	83
7 25	17 12.00	−19 33.5	0.822	1.709	24.1	20.6	137 E	25	84
8 4	17 15.15	−19 51.0	0.871	1.695	28.2	20.8	128 E	25	84
8 14	17 22.58	−20 13.8	0.929	1.682	31.4	21.0	120 E	25	84
8 24	17 33.94	−20 38.3	0.994	1.673	33.8	21.2	113 E	24	85
9 3	17 48.65	−21 0.4	1.064	1.665	35.4	21.4	107 E	24*	85
392476 2011 GD_3									
5 6	18 20.17	−36 17.9	0.887	1.719	26.7	21.2	130 W	9	80
5 11	18 19.14	−37 50.4	0.814	1.684	25.3	20.9	134 W	7	78
5 16	18 16.26	−39 36.4	0.745	1.647	23.7	20.7	139 W	5	76
5 21	18 11.04	−41 37.1	0.679	1.609	22.0	20.4	143 W	3	74
5 26	18 2.84	−43 53.4	0.618	1.570	20.3	20.0	147 W	1	72
5 28	17 58.52	−44 52.1	0.595	1.553	19.7	19.9	149 W	—	71
5 30	17 53.52	−45 53.1	0.573	1.537	19.2	19.8	150 W	—	70
6 1	17 47.74	−46 56.1	0.551	1.520	18.8	19.7	151 W	—	69
6 3	17 41.09	−48 0.8	0.531	1.503	18.6	19.6	152 W	—	68
6 5	17 33.48	−49 6.6	0.511	1.486	18.6	19.5	152 W	—	67
6 7	17 24.81	−50 12.9	0.493	1.468	18.9	19.4	152 W	—	66
6 9	17 14.98	−51 18.8	0.475	1.450	19.5	19.3	152 W	—	65
6 11	17 3.88	−52 23.3	0.458	1.432	20.4	19.2	151 E	—	64
6 13	16 51.43	−53 25.2	0.443	1.414	21.6	19.1	149 E	—	63
6 15	16 37.56	−54 22.8	0.428	1.395	23.2	19.1	147 E	—	62
6 17	16 22.25	−55 14.6	0.415	1.376	25.1	19.0	145 E	—	61
6 19	16 5.52	−55 58.7	0.403	1.357	27.3	19.0	142 E	—	60
6 21	15 47.48	−56 33.4	0.392	1.338	29.7	19.0	139 E	—	59
6 23	15 28.31	−56 56.8	0.382	1.318	32.4	19.0	136 E	—	59
6 25	15 8.26	−57 7.5	0.373	1.298	35.3	19.0	133 E	—	59
6 26	14 58.02	−57 7.7	0.369	1.288	36.8	19.0	131 E	—	59
6 27	14 47.69	−57 4.4	0.365	1.278	38.3	19.0	129 E	—	59
6 28	14 37.31	−56 57.4	0.362	1.267	39.9	19.0	127 E	—	59
6 29	14 26.95	−56 46.7	0.358	1.257	41.5	19.0	125 E	—	59
6 30	14 16.65	−56 32.4	0.355	1.247	43.1	19.0	123 E	—	59
7 1	14 6.45	−56 14.6	0.353	1.236	44.8	19.0	121 E	—	60
7 2	13 56.40	−55 53.2	0.350	1.225	46.5	19.0	119 E	—	60
7 3	13 46.53	−55 28.5	0.348	1.215	48.2	19.0	117 E	—	61
7 4	13 36.87	−55 0.5	0.346	1.204	50.0	19.1	115 E	—	61
7 5	13 27.46	−54 29.5	0.344	1.193	51.7	19.1	113 E	—	62
7 7	13 9.45	−53 19.1	0.341	1.171	55.3	19.1	109 E	—	63
7 9	12 52.60	−51 58.8	0.338	1.149	58.9	19.2	105 E	—	64*
7 11	12 36.93	−50 30.0	0.337	1.127	62.6	19.2	100 E	—	65*
7 13	12 22.42	−48 54.4	0.335	1.104	66.3	19.3	96 E	—	65*
7 15	12 9.00	−47 13.2	0.335	1.081	70.1	19.4	92 E	—	64*
7 17	11 56.55	−45 27.3	0.335	1.057	73.8	19.4	88 E	—	63*
7 19	11 44.98	−43 37.6	0.335	1.034	77.7	19.5	84 E	—	61*
7 21	11 34.18	−41 44.6	0.336	1.010	81.6	19.6	79 E	—	58*
7 23	11 24.04	−39 48.4	0.337	0.985	85.5	19.7	75 E	—	55*
7 25	11 14.46	−37 49.3	0.339	0.961	89.5	19.8	71 E	—	52*
7 27	11 5.37	−35 47.1	0.340	0.936	93.6	19.9	67 E	—	49*
7 29	10 56.68	−33 41.7	0.343	0.911	97.7	20.1	63 E	—	45*
7 31	10 48.35	−31 32.9	0.346	0.885	102.0	20.3	59 E	—	41*
8 2	10 40.31	−29 20.4	0.349	0.860	106.4	20.4	54 E	—	37*
8 4	10 32.55	−27 4.0	0.353	0.834	110.9	20.7	50 E	—	33*
8 9	10 14.18	−21 5.1	0.366	0.769	122.5	21.4	40 E	—	23*
8 14	9 57.41	−14 42.7	0.387	0.703	134.4	22.5	30 E	—	12*
8 19	9 42.86	− 8 7.6	0.419	0.639	145.2	23.8	21 W	—	5*
8 24	9 31.67	− 1 41.3	0.466	0.578	150.8	24.8	16 W	—	9*
249957 2001 UG_{11}									
5 6	18 20.39	+11 40.9	2.946	3.575	14.0	21.4	121 W	57	52
5 16	18 16.10	+12 49.0	2.871	3.586	12.8	21.3	128 W	58	51
5 26	18 10.09	+13 43.4	2.814	3.597	11.6	21.2	135 W	59	50
6 5	18 2.74	+14 20.2	2.777	3.607	10.6	21.2	139 W	59	50
6 15	17 54.54	+14 36.1	2.763	3.616	10.0	21.1	142 W	60	49
6 25	17 46.12	+14 29.7	2.773	3.624	10.1	21.2	141 E	59	50
7 5	17 38.12	+14 1.4	2.807	3.632	10.7	21.2	139 E	59	50
7 15	17 31.12	+13 13.4	2.863	3.638	11.7	21.3	133 E	58	51
7 25	17 25.58	+12 9.4	2.939	3.644	12.8	21.4	127 E	57	52
283461 Leacipaola									
5 6	18 32.97	−32 12.4	1.358	2.131	22.0	21.3	128 W	13	84
5 16	18 34.44	−32 34.5	1.241	2.096	19.2	21.0	137 W	12	83
5 26	18 32.03	−32 54.5	1.139	2.061	15.7	20.6	147 W	12	83
6 5	18 25.66	−33 8.1	1.055	2.027	11.4	20.3	157 W	12	83

283461 Leacipaola *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
6 10	18 21.08	−33 10.6	1.020	2.009	9.1	20.1	162 W	12	83
6 15	18 15.72	−33 9.1	0.990	1.992	6.9	19.9	166 W	12	83
6 20	18 9.79	−33 3.0	0.967	1.975	5.2	19.7	170 W	12	83
6 25	18 3.52	−32 51.8	0.948	1.958	5.1	19.7	170 E	12	83
6 30	17 57.15	−32 35.3	0.936	1.941	6.6	19.7	167 E	12	83
7 5	17 50.95	−32 13.7	0.929	1.924	9.0	19.8	163 E	13	84
7 10	17 45.21	−31 47.6	0.927	1.907	11.7	19.9	158 E	13	84
7 15	17 40.16	−31 17.8	0.931	1.890	14.5	19.9	152 E	14	85
7 20	17 36.02	−30 45.4	0.939	1.874	17.3	20.0	147 E	14	85
7 25	17 32.93	−30 11.4	0.951	1.857	19.9	20.1	142 E	15	86
7 30	17 30.96	−29 36.9	0.967	1.841	22.3	20.2	137 E	15	86
8 4	17 30.17	−29 2.6	0.987	1.826	24.5	20.3	132 E	16	87
8 14	17 32.14	−27 56.8	1.034	1.795	28.4	20.5	123 E	17	88
8 24	17 38.60	−26 56.4	1.089	1.766	31.4	20.7	114 E	18	89
9 3	17 49.03	−26 0.6	1.149	1.738	33.7	20.8	107 E	19*	90
9 13	18 2.91	−25 7.2	1.213	1.712	35.3	20.9	101 E	20*	89
9 23	18 19.70	−24 12.8	1.279	1.688	36.3	21.1	95 E	21*	88*
10 3	18 38.88	−23 14.0	1.346	1.666	36.9	21.1	89 E	22*	82*
10 13	19 0.03	−22 7.8	1.413	1.647	37.1	21.2	84 E	23*	77*
10 23	19 22.71	−20 51.6	1.480	1.631	36.9	21.3	80 E	24*	72*
11 2	19 46.57	−19 23.4	1.548	1.617	36.5	21.4	76 E	25*	66*
11 12	20 11.31	−17 42.1	1.615	1.606	35.8	21.4	72 E	27*	61*
11 22	20 36.62	−15 47.4	1.683	1.599	34.9	21.5	68 E	29*	55*

283457 2001 MQ_3

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 6	18 38.83	−32 21.0	0.941	1.742	27.7	21.3	127 W	13	84
5 11	18 44.75	−32 33.3	0.879	1.713	26.8	21.1	130 W	12	83
5 16	18 50.11	−32 45.2	0.819	1.683	25.8	20.9	134 W	12	83
5 21	18 54.86	−32 56.6	0.762	1.654	24.5	20.6	137 W	12	83
5 26	18 58.93	−33 7.4	0.708	1.625	23.1	20.4	141 W	12	83
5 31	19 2.26	−33 17.3	0.657	1.597	21.4	20.1	145 W	12	83
6 5	19 4.76	−33 25.8	0.610	1.568	19.6	19.9	149 W	12	83
6 10	19 6.37	−33 32.1	0.565	1.540	17.5	19.6	153 W	11	82
6 15	19 7.06	−33 35.2	0.525	1.513	15.2	19.3	157 W	11	82
6 20	19 6.83	−33 34.1	0.487	1.486	12.8	19.1	161 W	11	82
6 25	19 5.75	−33 27.2	0.454	1.459	10.4	18.8	165 W	12	83
6 30	19 3.89	−33 12.9	0.423	1.434	8.3	18.5	168 W	12	83
7 5	19 1.39	−32 49.7	0.397	1.409	7.3	18.3	170 W	12	83
7 10	18 58.50	−32 16.0	0.373	1.385	7.9	18.1	169 E	13	84
7 15	18 55.54	−31 30.6	0.353	1.362	10.1	18.1	166 E	13	84
7 20	18 52.89	−30 33.0	0.336	1.341	13.1	18.0	163 E	14	85
7 25	18 50.93	−29 23.1	0.323	1.321	16.6	18.0	158 E	16	87
7 30	18 49.97	−28 1.7	0.311	1.302	20.1	18.0	154 E	17	88
8 4	18 50.30	−26 30.0	0.303	1.285	23.6	18.1	150 E	19	90
8 9	18 52.17	−24 49.5	0.296	1.269	27.0	18.1	145 E	20	89
8 14	18 55.76	−23 2.0	0.292	1.255	30.0	18.1	142 E	22	87
8 19	19 1.15	−21 9.1	0.290	1.244	32.8	18.2	138 E	24	85
8 24	19 8.29	−19 12.3	0.290	1.234	35.2	18.2	135 E	26	83
8 29	19 17.09	−17 13.2	0.291	1.226	37.3	18.3	133 E	28	81
9 3	19 27.44	−15 13.0	0.295	1.221	39.0	18.3	130 E	30	79
9 8	19 39.18	−13 12.9	0.300	1.218	40.3	18.4	129 E	32	77
9 13	19 52.17	−11 14.1	0.307	1.217	41.3	18.5	127 E	34	75
9 18	20 6.19	− 9 17.3	0.317	1.218	41.9	18.6	126 E	36	73
9 23	20 21.00	− 7 23.6	0.328	1.222	42.3	18.7	125 E	38	71
9 28	20 36.39	− 5 34.1	0.342	1.227	42.4	18.8	124 E	39	70
10 3	20 52.17	− 3 49.5	0.358	1.235	42.4	18.9	124 E	41	68
10 8	21 8.18	− 2 10.3	0.376	1.245	42.2	19.0	123 E	43	66
10 13	21 24.28	− 0 36.7	0.398	1.258	42.0	19.1	123 E	44	65
10 23	21 56.19	+ 2 13.9	0.449	1.287	41.3	19.4	121 E	47	62
11 2	22 27.11	+ 4 43.2	0.511	1.324	40.5	19.7	120 E	50	59
11 12	22 56.72	+ 6 54.9	0.586	1.366	39.8	20.1	118 E	52	57
11 17	23 11.00	+ 7 55.6	0.628	1.389	39.5	20.3	117 E	53	56
11 22	23 24.93	+ 8 53.3	0.672	1.413	39.2	20.4	115 E	54	55
11 27	23 38.51	+ 9 48.6	0.720	1.438	38.9	20.6	114 E	55	54
12 2	23 51.77	+10 41.6	0.770	1.463	38.6	20.8	112 E	56	53
12 7	0 4.75	+11 32.8	0.824	1.490	38.2	21.0	111 E	57	52*
12 12	0 17.46	+12 22.6	0.880	1.517	37.9	21.1	109 E	57	51*
12 17	0 29.92	+13 10.9	0.938	1.545	37.6	21.3	107 E	58	50*
12 22	0 42.15	+13 58.0	0.999	1.573	37.2	21.5	105 E	59	49*

483471 2002 LS_{32}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 6	18 39.38	−19 28.1	1.112	1.890	25.6	21.1	126 W	26	83
5 11	18 40.51	−18 51.7	1.024	1.847	24.6	20.8	131 W	26	83
5 16	18 40.65	−18 10.9	0.940	1.803	23.3	20.5	135 W	27	82
5 21	18 39.65	−17 24.9	0.858	1.759	21.7	20.2	140 W	28	81
5 26	18 37.35	−16 32.5	0.780	1.712	19.8	19.9	145 W	28	81
5 31	18 33.52	−15 32.3	0.706	1.665	17.5	19.6	150 W	29	80
6 5	18 27.89	−14 22.5	0.637	1.617	14.9	19.2	156 W	31	78
6 10	18 20.15	−13 0.6	0.572	1.567	12.1	18.8	161 W	32	77
6 15	18 9.99	−11 23.8	0.512	1.516	9.8	18.4	165 W	34	75

483471 2002 LS_{32} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
6 20	17 57.07	− 9 28.8	0.457	1.464	9.6	18.1	166 W	36	73
6 25	17 41.05	− 7 11.9	0.408	1.410	12.9	17.9	162 E	38	71
6 30	17 21.64	− 4 29.8	0.366	1.356	19.1	17.7	154 E	41	68
7 5	16 58.62	− 1 20.7	0.330	1.299	27.2	17.7	144 E	44	65
7 10	16 32.00	+ 2 14.0	0.302	1.242	36.8	17.7	133 E	47	62
7 15	16 2.03	+ 6 9.0	0.280	1.183	47.7	17.7	120 E	51	58
7 17	15 49.18	+ 7 46.7	0.273	1.160	52.4	17.7	115 E	53*	56
7 19	15 35.89	+ 9 25.4	0.267	1.136	57.3	17.8	110 E	54*	55
7 21	15 22.18	+11 4.4	0.263	1.111	62.2	17.8	105 E	55*	53
7 23	15 8.07	+12 42.8	0.259	1.087	67.3	17.9	99 E	55*	51
7 25	14 53.59	+14 19.7	0.256	1.063	72.6	18.0	94 E	54*	50
7 27	14 38.74	+15 54.4	0.254	1.038	77.9	18.1	88 E	53*	48
7 29	14 23.55	+17 25.8	0.253	1.013	83.3	18.3	82 E	52*	47
7 31	14 8.05	+18 53.2	0.253	0.988	88.8	18.4	77 E	50*	45*
8 2	13 52.26	+20 15.7	0.254	0.963	94.4	18.6	71 E	47*	42*
8 4	13 36.19	+21 32.4	0.256	0.938	100.0	18.8	66 E	45*	39*
8 6	13 19.90	+22 42.5	0.259	0.913	105.7	19.1	60 E	42*	36*
8 8	13 3.42	+23 45.2	0.263	0.888	111.4	19.4	55 E	39*	32*
8 10	12 46.82	+24 39.6	0.268	0.863	117.1	19.7	49 E	35*	28*
8 12	12 30.18	+25 25.0	0.274	0.839	122.8	20.2	44 E	32*	24*
8 14	12 13.63	+26 0.9	0.281	0.814	128.5	20.7	39 E	29*	19*
8 16	11 57.27	+26 26.7	0.290	0.789	134.0	21.2	34 E	25*	15*

154993 2005 EA_{94}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 6	18 39.72	−15 54.4	1.412	2.160	22.4	21.3	125 W	29	80
5 16	18 35.49	−15 50.2	1.261	2.108	19.5	20.9	136 W	29	80
5 26	18 26.45	−15 54.6	1.124	2.052	15.4	20.5	148 W	29	80
6 5	18 12.02	−16 9.0	1.008	1.992	10.0	20.0	160 W	29	80
6 15	17 52.17	−16 32.7	0.917	1.928	4.3	19.4	172 W	28	81
6 20	17 40.54	−16 47.3	0.882	1.894	3.9	19.3	173 E	28	81
6 25	17 28.12	−17 3.1	0.854	1.859	6.9	19.3	167 E	28	81
6 30	17 15.25	−17 19.7	0.833	1.823	10.8	19.4	160 E	28	81
7 5	17 2.33	−17 36.6	0.819	1.785	15.1	19.5	153 E	27	82
7 10	16 49.80	−17 54.0	0.812	1.747	19.3	19.5	145 E	27	82
7 15	16 38.04	−18 12.0	0.811	1.707	23.5	19.6	138 E	27	82
7 20	16 27.38	−18 31.0	0.814	1.666	27.5	19.7	131 E	26	83
7 25	16 18.02	−18 51.3	0.821	1.624	31.3	19.8	124 E	26*	83
8 4	16 3.64	−19 37.7	0.842	1.535	38.1	19.9	111 E	25*	84
8 14	15 55.12	−20 34.0	0.866	1.441	43.9	20.0	100 E	22*	85
8 24	15 51.94	−21 41.5	0.885	1.340	49.0	20.0	90 E	19*	83*
9 3	15 53.25	−22 59.9	0.894	1.234	53.8	20.0	81 E	17*	75*
9 8	15 55.31	−23 43.0	0.892	1.179	56.2	19.9	76 E	15*	70*
9 13	15 58.15	−24 28.6	0.887	1.122	58.8	19.9	72 E	14*	66*
9 18	16 1.63	−25 16.5	0.876	1.063	61.5	19.8	68 E	13*	62*
9 23	16 5.55	−26 6.4	0.860	1.004	64.6	19.8	65 E	11*	58*
9 28	16 9.70	−26 58.0	0.838	0.943	68.2	19.7	61 E	10*	55*
10 3	16 13.76	−27 51.1	0.810	0.881	72.4	19.6	57 E	8*	51*
10 8	16 17.30	−28 44.7	0.776	0.819	77.5	19.5	53 E	7*	47*
10 13	16 19.59	−29 37.6	0.734	0.758	83.9	19.5	49 E	5*	43*
10 15	16 19.93	−29 57.9	0.716	0.734	86.9	19.5	47 E	5*	41*
10 17	16 19.81	−30 17.3	0.697	0.710	90.2	19.5	45 E	4*	39*
10 19	16 19.11	−30 35.4	0.677	0.686	93.9	19.5	43 E	3*	37*
10 21	16 17.73	−30 51.6	0.657	0.664	97.9	19.5	41 E	2*	35*
10 23	16 15.50	−31 5.2	0.636	0.641	102.4	19.6	39 E	1*	33*
10 25	16 12.28	−31 15.0	0.614	0.620	107.3	19.7	37 E	—	30*
10 27	16 7.91	−31 19.8	0.593	0.600	112.8	19.9	34 E	—	27*
10 29	16 2.23	−31 17.9	0.572	0.582	118.8	20.2	31 E	—	24*
10 31	15 55.12	−31 7.2	0.553	0.565	125.4	20.6	28 E	—	21*
11 2	15 46.51	−30 45.2	0.535	0.550	132.5	21.1	24 E	—	17*

366945 2005 VL_{118}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 6	18 48.08	−39 47.2	2.030	2.726	17.9	21.4	124 W	5	76
5 11	18 47.10	−39 45.9	1.956	2.706	16.9	21.3	129 W	5	76
5 16	18 45.21	−39 42.8	1.886	2.685	15.8	21.2	134 W	5	76
5 21	18 42.38	−39 37.3	1.820	2.664	14.6	21.0	139 W	5	76
5 26	18 38.62	−39 28.8	1.758	2.642	13.2	20.9	144 W	6	77
5 31	18 33.97	−39 16.3	1.701	2.621	11.6	20.8	149 W	6	77
6 5	18 28.47	−38 59.2	1.651	2.599	10.0	20.6	154 W	6	77
6 10	18 22.23	−38 36.6	1.606	2.577	8.3	20.5	158 W	6	77
6 15	18 15.38	−38 7.7	1.567	2.555	6.8	20.3	163 W	7	78
6 20	18 8.11	−37 32.2	1.536	2.533	5.7	20.2	166 W	7	78
6 25	18 0.65	−36 49.9	1.511	2.510	5.5	20.1	166 E	8	79
6 30	17 53.19	−36 1.2	1.494	2.487	6.4	20.1	164 E	9	80
7 5	17 45.96	−35 6.5	1.483	2.465	8.0	20.2	160 E	10	81
7 10	17 39.17	−34 6.8	1.480	2.442	9.9	20.2	156 E	11	82
7 15	17 33.01	−33 3.4	1.483	2.418	12.0	20.3	150 E	12	83
7 20	17 27.64	−31 57.6	1.492	2.395	14.1	20.4	145 E	13	84
7 25	17 23.14	−30 50.7	1.506	2.372	16.2	20.4	139 E	14	85

366945 2005 VL_{118} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
7 30	17 19.57	−29 44.0	1.526	2.348	18.1	20.5	134 E	15	86
8 4	17 16.98	−28 38.5	1.551	2.325	19.9	20.6	129 E	16	87
8 9	17 15.37	−27 35.0	1.579	2.301	21.5	20.6	124 E	17	88
8 14	17 14.72	−26 34.0	1.610	2.277	23.0	20.7	119 E	18	89
8 19	17 15.00	−25 36.1	1.645	2.253	24.3	20.8	114 E	19*	90
8 24	17 16.16	−24 41.3	1.681	2.229	25.4	20.8	109 E	20*	89
8 29	17 18.16	−23 49.5	1.718	2.205	26.3	20.9	105 E	21*	88
9 3	17 20.93	−23 0.8	1.757	2.181	27.0	20.9	101 E	22*	87
9 8	17 24.44	−22 14.7	1.796	2.157	27.7	21.0	96 E	22*	86
9 13	17 28.64	−21 31.1	1.836	2.133	28.1	21.0	93 E	23*	84*
9 18	17 33.48	−20 49.5	1.875	2.109	28.5	21.0	89 E	23*	81*
9 23	17 38.91	−20 9.6	1.914	2.084	28.7	21.1	85 E	24*	78*
9 28	17 44.88	−19 30.9	1.952	2.060	28.8	21.1	82 E	24*	74*
10 3	17 51.38	−18 53.1	1.988	2.036	28.8	21.1	78 E	25*	71*
10 8	17 58.35	−18 15.7	2.024	2.013	28.7	21.1	75 E	25*	67*
10 13	18 5.78	−17 38.3	2.058	1.989	28.5	21.1	72 E	25*	63*
10 18	18 13.63	−17 0.6	2.090	1.965	28.2	21.1	69 E	26*	60*
10 23	18 21.87	−16 22.2	2.121	1.942	27.9	21.1	66 E	26*	57*
10 28	18 30.48	−15 42.8	2.150	1.918	27.5	21.1	63 E	27*	53*
11 2	18 39.44	−15 2.0	2.177	1.896	27.1	21.1	60 E	27*	50*
11 7	18 48.72	−14 19.5	2.202	1.873	26.6	21.1	58 E	27*	46*
11 12	18 58.32	−13 35.0	2.225	1.850	26.1	21.1	55 E	28*	43*
11 17	19 8.21	−12 48.3	2.245	1.828	25.6	21.0	53 E	28*	40*
11 22	19 18.37	−11 59.1	2.264	1.807	25.0	21.0	51 E	28*	36*
11 27	19 28.79	−11 7.2	2.281	1.785	24.4	21.0	48 E	29*	33*
12 2	19 39.46	−10 12.4	2.296	1.765	23.8	21.0	46 E	29*	30*
12 7	19 50.37	− 9 14.6	2.309	1.744	23.2	20.9	44 E	29*	26*
12 12	20 1.51	− 8 13.6	2.320	1.725	22.6	20.9	42 E	29*	23*
12 17	20 12.87	− 7 9.3	2.329	1.705	22.0	20.9	41 E	29*	20*
12 22	20 24.43	− 6 1.7	2.337	1.687	21.4	20.8	39 E	29*	17*
12 27	20 36.20	− 4 50.7	2.343	1.669	20.9	20.8	37 E	28*	14*
1 1	20 48.17	− 3 36.4	2.349	1.652	20.3	20.8	36 E	28*	12*
1 6	21 0.35	− 2 18.7	2.353	1.636	19.8	20.7	34 E	27*	9*
1 11	21 12.72	− 0 57.8	2.356	1.621	19.3	20.7	33 E	26*	7*
1 16	21 25.29	+ 0 26.1	2.358	1.606	18.8	20.7	32 E	25*	5*
1 21	21 38.05	+ 1 53.0	2.360	1.593	18.3	20.6	31 E	25*	3*

16636 1993 QP

5 6	18 49.45	−31 38.8	1.046	1.817	27.3	21.3	124 W	13	84
5 11	18 54.89	−31 38.3	0.979	1.787	26.5	21.1	128 W	13	84
5 16	18 59.71	−31 36.4	0.914	1.757	25.5	20.9	132 W	13	84
5 21	19 3.85	−31 33.0	0.853	1.727	24.3	20.7	135 W	13	84
5 26	19 7.26	−31 27.8	0.795	1.697	22.9	20.4	139 W	14	85
5 31	19 9.86	−31 20.4	0.740	1.668	21.2	20.2	144 W	14	85
6 5	19 11.56	−31 10.2	0.688	1.638	19.3	19.9	148 W	14	85
6 10	19 12.29	−30 56.4	0.640	1.609	17.1	19.7	152 W	14	85
6 15	19 12.02	−30 38.2	0.595	1.580	14.6	19.4	157 W	14	85
6 20	19 10.75	−30 14.3	0.554	1.552	11.9	19.1	162 W	15	86
6 25	19 8.53	−29 43.6	0.517	1.524	9.0	18.8	166 W	15	86
6 30	19 5.43	−29 4.7	0.484	1.497	6.1	18.5	171 W	16	87
7 5	19 1.61	−28 16.5	0.455	1.470	3.9	18.2	174 W	17	88
7 10	18 57.29	−27 18.0	0.429	1.444	4.7	18.1	173 E	18	89
7 15	18 52.79	−26 8.9	0.408	1.419	7.9	18.1	169 E	19	90
7 20	18 48.49	−24 49.5	0.390	1.395	11.8	18.1	164 E	20	89
7 25	18 44.75	−23 20.7	0.376	1.372	15.9	18.1	158 E	22	87
7 30	18 41.89	−21 44.2	0.365	1.351	20.0	18.2	153 E	23	86
8 4	18 40.20	−20 1.9	0.357	1.330	24.0	18.2	148 E	25	84
8 9	18 39.94	−18 15.9	0.352	1.311	27.8	18.3	143 E	27	82
8 14	18 41.29	−16 28.4	0.348	1.294	31.3	18.3	138 E	29	80
8 19	18 44.36	−14 40.8	0.347	1.279	34.5	18.4	134 E	30	79
8 24	18 49.14	−12 54.4	0.348	1.265	37.3	18.4	131 E	32	77
8 29	18 55.59	−11 10.0	0.350	1.254	39.8	18.5	127 E	34	75
9 3	19 3.65	− 9 28.3	0.353	1.244	41.9	18.5	125 E	36	73
9 13	19 24.28	− 6 14.0	0.365	1.231	44.8	18.7	120 E	39	70
9 23	19 50.09	− 3 11.7	0.382	1.228	46.4	18.8	118 E	42	67
10 3	20 19.81	− 0 22.3	0.406	1.233	46.9	19.0	116 E	45	64
10 13	20 52.23	+ 2 13.2	0.438	1.248	46.4	19.1	115 E	47	62
10 23	21 26.07	+ 4 34.8	0.479	1.271	45.4	19.4	114 E	50	59
11 2	22 0.13	+ 6 42.3	0.531	1.301	44.2	19.6	114 E	52	57
11 12	22 33.59	+ 8 37.1	0.595	1.339	43.0	19.9	113 E	54	55
11 17	22 49.90	+ 9 30.5	0.632	1.359	42.3	20.0	112 E	55	54
11 22	23 5.87	+10 21.5	0.672	1.382	41.8	20.2	111 E	55	54
11 27	23 21.45	+11 10.5	0.714	1.405	41.2	20.3	110 E	56	53*
12 2	23 36.66	+11 57.5	0.760	1.429	40.6	20.5	109 E	57	52*
12 7	23 51.49	+12 43.1	0.809	1.455	40.1	20.6	108 E	58	51*
12 12	0 5.96	+13 27.3	0.861	1.481	39.6	20.8	107 E	58	50*
12 17	0 20.07	+14 10.4	0.915	1.508	39.1	21.0	105 E	59	49*
12 22	0 33.85	+14 52.3	0.973	1.535	38.5	21.1	103 E	60	48*
12 27	0 47.30	+15 33.1	1.033	1.564	38.0	21.3	102 E	61	46*
1 1	1 0.47	+16 12.9	1.095	1.592	37.5	21.4	100 E	61	45*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°

310429 1999 XP_{19}

5 6	18 55.27	−28 24.1	2.850	3.504	14.0	21.5	123 W	17	88
5 16	18 52.12	−28 47.8	2.728	3.500	12.1	21.3	133 W	16	87
5 26	18 46.62	−29 12.8	2.624	3.495	9.8	21.2	144 W	16	87
6 5	18 38.97	−29 36.9	2.543	3.489	7.1	21.0	155 W	15	86
6 15	18 29.60	−29 57.2	2.488	3.482	4.1	20.8	166 W	15	86
6 25	18 19.19	−30 11.4	2.462	3.473	2.0	20.6	173 W	15	86
7 5	18 8.61	−30 18.0	2.466	3.464	3.8	20.7	167 E	15	86
7 15	17 58.72	−30 17.0	2.499	3.454	6.8	20.9	156 E	15	86
7 25	17 50.33	−30 9.5	2.559	3.443	9.7	21.1	145 E	15	86
8 4	17 43.98	−29 57.8	2.642	3.431	12.2	21.2	135 E	15	86
8 14	17 40.00	−29 43.9	2.743	3.418	14.2	21.4	124 E	15	86
8 24	17 38.47	−29 29.7	2.859	3.403	15.7	21.5	114 E	16	87

506119 2016 BQ_{61}

5 6	18 55.59	−50 46.7	1.149	1.879	27.4	21.5	121 W	—	65
5 11	18 54.87	−51 11.3	1.116	1.885	26.0	21.4	125 W	—	65
5 16	18 52.45	−51 32.8	1.084	1.892	24.5	21.3	129 W	—	64
5 21	18 48.28	−51 49.7	1.055	1.898	22.9	21.2	133 W	—	64
5 26	18 42.41	−52 0.2	1.030	1.904	21.1	21.1	137 W	—	64
5 31	18 34.95	−52 2.3	1.009	1.910	19.3	21.0	142 W	—	64
6 5	18 26.12	−51 53.9	0.991	1.915	17.5	20.9	145 W	—	64
6 10	18 16.24	−51 33.2	0.978	1.921	15.8	20.8	149 W	—	64
6 15	18 5.77	−50 58.9	0.971	1.926	14.5	20.8	152 W	—	65
6 20	17 55.22	−50 10.7	0.968	1.931	13.7	20.7	153 W	—	66
6 25	17 45.06	−49 9.4	0.971	1.935	13.5	20.8	154 E	—	67
6 30	17 35.73	−47 56.6	0.980	1.940	14.0	20.8	153 E	—	68
7 5	17 27.52	−46 34.7	0.994	1.944	15.0	20.9	150 E	—	69
7 10	17 20.68	−45 6.2	1.014	1.948	16.5	21.0	147 E	—	71
7 15	17 15.30	−43 34.2	1.039	1.951	18.1	21.1	143 E	1	72
7 20	17 11.43	−42 1.1	1.069	1.955	19.8	21.2	139 E	3	74
7 25	17 8.99	−40 29.2	1.103	1.958	21.5	21.3	135 E	5	76
7 30	17 7.90	−39 0.1	1.142	1.961	23.1	21.4	131 E	6	77

529670 2010 JT_{34}

5 6	19 1.67	−44 41.9	0.913	1.673	31.1	21.3	121 W	—	71
5 11	19 5.80	−48 36.6	0.857	1.648	30.6	21.1	124 W	—	67
5 16	19 9.17	−52 57.7	0.807	1.623	30.2	20.9	126 W	—	63
5 21	19 11.48	−57 44.4	0.764	1.598	30.1	20.7	128 W	—	58
5 26	19 12.19	−62 53.5	0.728	1.572	30.4	20.6	128 W	—	53
5 31	19 10.24	−68 19.3	0.701	1.545	31.4	20.5	128 W	—	48
6 5	19 3.10	−73 53.3	0.682	1.517	32.9	20.5	126 W	—	42
6 6	19 0.58	−75 0.0	0.679	1.512	33.3	20.5	125 W	—	41
6 7	18 57.51	−76 6.5	0.677	1.506	33.7	20.4	125 W	—	40
6 8	18 53.74	−77 12.5	0.674	1.500	34.1	20.4	124 W	—	39
6 9	18 49.12	−78 18.0	0.673	1.495	34.6	20.4	123 W	—	38
6 10	18 43.40	−79 22.7	0.671	1.489	35.0	20.4	123 W	—	37
6 11	18 36.23	−80 26.4	0.670	1.483	35.5	20.4	122 W	—	36
6 12	18 27.14	−81 28.9	0.669	1.478	36.0	20.4	121 W	—	35
6 13	18 15.41	−82 29.6	0.668	1.472	36.5	20.4	121 W	—	34
6 14	18 0.00	−83 28.1	0.668	1.466	37.0	20.5	120 W	—	33
6 15	17 39.30	−84 23.4	0.668	1.460	37.5	20.5	119 W	—	32
6 16	17 10.89	−85 14.1	0.668	1.455	38.0	20.5	118 E	—	31
6 17	16 31.50	−85 57.7	0.668	1.449	38.6	20.5	117 E	—	30
6 18	15 37.89	−86 30.6	0.669	1.443	39.1	20.5	116 E	—	29
6 19	14 30.62	−86 48.0	0.669	1.437	39.7	20.5	115 E	—	29
6 20	13 18.73	−86 46.4	0.670	1.431	40.2	20.5	115 E	—	29
6 21	12 15.20	−86 27.2	0.672	1.425	40.8	20.5	114 E	—	30
6 22	11 26.24	−85 55.1	0.673	1.419	41.3	20.5	113 E	—	30*
6 23	10 50.62	−85 15.1	0.675	1.414	41.9	20.5	112 E	—	31*
6 24	10 24.86	−84 30.6	0.677	1.408	42.4	20.5	111 E	—	31*
6 25	10 5.92	−83 43.7	0.679	1.402	43.0	20.6	110 E	—	32*
6 26	9 51.67	−82 55.6	0.681	1.396	43.5	20.6	109 E	—	32*
6 27	9 40.71	−82 7.1	0.683	1.390	44.1	20.6	108 E	—	32*
6 28	9 32.10	−81 18.7	0.686	1.384	44.6	20.6	107 E	—	33*
6 29	9 25.23	−80 30.6	0.688	1.378	45.1	20.6	106 E	—	33*
6 30	9 19.66	−79 43.1	0.691	1.372	45.6	20.6	105 E	—	33*
7 1	9 15.09	−78 56.3	0.694	1.366	46.2	20.6	104 E	—	33*
7 2	9 11.30	−78 10.3	0.697	1.359	46.7	20.6	103 E	—	33*
7 3	9 8.13	−77 25.2	0.700	1.353	47.2	20.7	103 E	—	34*
7 4	9 5.46	−76 41.0	0.703	1.347	47.7	20.7	102 E	—	34*
7 5	9 3.20	−75 57.8	0.706	1.341	48.1	20.7	101 E	—	34*
7 6	9 1.26	−75 15.6	0.709	1.335	48.6	20.7	100 E	—	34*
7 7	8 59.61	−74 34.4	0.712	1.329	49.1	20.7	99 E	—	34*
7 8	8 58.19	−73 54.1	0.715	1.323	49.6	20.7	98 E	—	34*
7 9	8 56.97	−73 14.9	0.719	1.317	50.0	20.7	97 E	—	33*
7 10	8 55.91	−72 36.7	0.722	1.310	50.4	20.8	96 E	—	33*
7 11	8 54.99	−71 59.5	0.725	1.304	50.9	20.8	96 E	—	33*
7 12	8 54.20	−71 23.3	0.729	1.298	51.3	20.8	95 E	—	33*
7 13	8 53.51	−70 48.1	0.732	1.292	51.7	20.8	94 E	—	33*
7 14	8 52.91	−70 13.8	0.735	1.286	52.1	20.8	93 E	—	32*
7 15	8 52.38	−69 40.5	0.739	1.280	52.5	20.8	92 E	—	32*

529670 2010 JT_{34} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
7 17	8 51.53	−68 36.5	0.745	1.267	53.3	20.8	91 E	—	31*
7 19	8 50.88	−67 36.2	0.751	1.255	54.1	20.8	89 E	—	31*
7 21	8 50.38	−66 39.1	0.757	1.242	54.8	20.9	88 E	—	30*
7 23	8 49.99	−65 45.2	0.763	1.230	55.5	20.9	86 E	—	29*
7 25	8 49.69	−64 54.2	0.768	1.217	56.2	20.9	85 E	—	28*
7 27	8 49.46	−64 6.1	0.773	1.205	56.9	20.9	84 E	—	27*
7 29	8 49.28	−63 20.4	0.778	1.193	57.5	20.9	82 E	—	26*
7 31	8 49.13	−62 37.2	0.782	1.180	58.1	20.9	81 E	—	25*
8 2	8 49.00	−61 56.3	0.786	1.168	58.8	20.9	80 E	—	24*
8 4	8 48.88	−61 17.3	0.789	1.156	59.4	20.9	79 W	—	24*
8 9	8 48.57	−59 47.8	0.794	1.125	60.9	20.9	76 W	—	26*
8 14	8 48.17	−58 27.1	0.795	1.096	62.4	20.9	74 W	—	28*
8 19	8 47.63	−57 12.3	0.791	1.067	64.0	20.9	71 W	—	30*
8 24	8 46.95	−56 0.4	0.783	1.039	65.7	20.9	69 W	—	32*
8 29	8 46.21	−54 48.6	0.769	1.013	67.5	20.8	68 W	—	35*
9 3	8 45.49	−53 34.0	0.751	0.988	69.4	20.8	66 W	—	37*
9 8	8 44.90	−52 13.5	0.727	0.965	71.5	20.7	65 W	—	39*
9 13	8 44.59	−50 43.7	0.698	0.945	73.8	20.7	64 W	—	42*
9 18	8 44.78	−49 0.2	0.664	0.927	76.4	20.6	64 W	—	44*
9 23	8 45.72	−46 58.4	0.626	0.912	79.1	20.5	63 W	—	47*
9 28	8 47.74	−44 32.8	0.584	0.900	82.0	20.5	63 W	—	49*
10 3	8 51.15	−41 36.0	0.538	0.892	85.0	20.4	63 W	—	52*
10 5	8 52.99	−40 14.5	0.519	0.889	86.3	20.3	63 W	—	53*
10 7	8 55.13	−38 45.6	0.500	0.888	87.5	20.3	63 W	1*	54*
10 9	8 57.59	−37 8.5	0.480	0.887	88.7	20.3	63 W	3*	55*
10 11	9 0.42	−35 22.0	0.461	0.886	89.9	20.2	63 W	5*	55*
10 13	9 3.63	−33 25.0	0.441	0.886	91.1	20.2	63 W	7*	56*
10 15	9 7.25	−31 16.2	0.421	0.887	92.3	20.1	63 W	10*	57*
10 17	9 11.33	−28 53.9	0.402	0.888	93.4	20.1	63 W	13*	57*
10 19	9 15.90	−26 16.6	0.383	0.890	94.4	20.0	63 W	15*	57*
10 21	9 21.00	−23 22.5	0.365	0.893	95.3	20.0	63 W	19*	57*
10 23	9 26.65	−20 9.9	0.348	0.896	96.1	19.9	64 W	22*	56*
10 25	9 32.92	−16 36.9	0.331	0.900	96.7	19.8	64 W	26*	55*
10 27	9 39.82	−12 42.4	0.316	0.904	97.1	19.8	64 W	30*	53*
10 29	9 47.42	− 8 25.4	0.303	0.909	97.3	19.7	65 W	34*	51*
10 31	9 55.75	− 3 46.4	0.291	0.914	97.1	19.6	66 W	39*	48*
11 2	10 4.85	+ 1 13.1	0.282	0.920	96.6	19.5	67 W	43*	44*
11 4	10 14.77	+ 6 29.5	0.274	0.926	95.7	19.5	68 W	49*	40*
11 6	10 25.55	+11 57.5	0.270	0.933	94.5	19.4	70 W	54*	35*
11 8	10 37.20	+17 30.1	0.269	0.940	92.9	19.3	71 W	59*	31*
11 10	10 49.75	+22 59.3	0.270	0.948	91.1	19.3	73 W	63*	26*
11 12	11 3.22	+28 17.1	0.274	0.956	89.0	19.2	75 W	67*	21*
11 13	11 10.29	+30 49.4	0.277	0.960	87.9	19.2	76 W	69*	18*
11 14	11 17.58	+33 16.5	0.281	0.964	86.8	19.2	77 W	70*	16*
11 15	11 25.08	+35 37.7	0.285	0.969	85.7	19.2	78 W	72*	14*
11 16	11 32.79	+37 52.4	0.290	0.973	84.6	19.2	78 W	72*	11*
11 17	11 40.70	+40 0.4	0.295	0.978	83.5	19.2	79 W	73*	9*
11 18	11 48.80	+42 1.5	0.301	0.982	82.4	19.2	80 W	73*	7*
11 19	11 57.07	+43 55.5	0.308	0.987	81.2	19.3	81 W	73*	5*
11 20	12 5.49	+45 42.5	0.315	0.992	80.2	19.3	82 W	73*	3*
11 21	12 14.06	+47 22.4	0.322	0.997	79.1	19.3	82 W	72*	2*
11 22	12 22.75	+48 55.6	0.329	1.002	78.1	19.3	83 W	72*	—
11 24	12 40.42	+51 42.1	0.346	1.012	76.1	19.4	84 W	70*	—
11 26	12 58.31	+54 4.2	0.363	1.022	74.2	19.4	85 W	69*	—
11 28	13 16.24	+56 4.4	0.381	1.033	72.4	19.5	86 W	67*	—
11 30	13 34.03	+57 45.2	0.400	1.044	70.7	19.6	87 W	66*	—
12 2	13 51.50	+59 9.4	0.419	1.055	69.1	19.7	88 W	64*	—
12 4	14 8.50	+60 19.2	0.439	1.066	67.5	19.7	88 W	63*	—
12 6	14 24.91	+61 17.1	0.459	1.077	66.1	19.8	89 W	62*	—
12 8	14 40.64	+62 5.0	0.480	1.089	64.8	19.9	89 W	61*	—
12 10	14 55.62	+62 44.8	0.500	1.101	63.5	20.0	90 W	60*	—
12 12	15 9.83	+63 18.0	0.521	1.112	62.3	20.0	90 W	60*	—
12 14	15 23.27	+63 45.8	0.541	1.124	61.1	20.1	90 W	59*	—
12 16	15 35.93	+64 9.6	0.561	1.136	60.0	20.2	90 W	59*	—
12 18	15 47.85	+64 30.2	0.581	1.149	58.9	20.2	91 W	58*	—
12 20	15 59.06	+64 48.4	0.602	1.161	57.9	20.3	91 W	58*	—
12 22	16 9.60	+65 4.9	0.621	1.173	57.0	20.4	91 W	58*	—
12 24	16 19.51	+65 20.3	0.641	1.185	56.1	20.4	91 W	58*	—
12 26	16 28.82	+65 35.0	0.660	1.198	55.2	20.5	91 W	57*	—
12 28	16 37.60	+65 49.4	0.680	1.210	54.3	20.6	92 W	57*	—
12 30	16 45.86	+66 3.9	0.699	1.223	53.5	20.6	92 W	57*	—
1 1	16 53.64	+66 18.7	0.717	1.235	52.7	20.7	92 W	57*	—
1 3	17 0.98	+66 34.0	0.736	1.247	52.0	20.7	92 W	57*	—
1 5	17 7.90	+66 49.9	0.754	1.260	51.3	20.8	92 W	57*	—
1 7	17 14.43	+67 6.7	0.771	1.272	50.6	20.8	92 W	57*	—
1 9	17 20.59	+67 24.3	0.789	1.285	49.9	20.9	92 W	57*	—
1 11	17 26.39	+67 42.9	0.806	1.297	49.2	20.9	92 W	57*	—
1 13	17 31.87	+68 2.6	0.823	1.309	48.6	21.0	93 W	57*	—
1 15	17 37.03	+68 23.4	0.839	1.322	48.0	21.0	93 W	57*	—

529670 2010 JT_{34} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
1 17	17 41.89	+68 45.3	0.855	1.334	47.4	21.1	93 W	57*	—
1 19	17 46.45	+69 8.4	0.871	1.346	46.9	21.1	93 W	58*	—

452658 2005 UN_{472}

5 6	19 3.53	−19 8.7	1.138	1.863	27.9	21.5	120 W	26	83
5 16	19 11.30	−17 59.3	1.033	1.837	25.7	21.2	128 W	27	82
5 26	19 15.84	−16 47.1	0.939	1.812	22.8	20.8	136 W	28	81
6 5	19 16.82	−15 34.8	0.859	1.788	18.9	20.5	145 W	29	80
6 15	19 14.11	−14 26.4	0.793	1.765	14.3	20.1	155 W	31	78
6 20	19 11.49	−13 54.9	0.767	1.755	11.8	20.0	159 W	31	78
6 25	19 8.17	−13 26.0	0.745	1.745	9.3	19.8	164 W	32	77
6 30	19 4.29	−13 0.2	0.728	1.735	7.2	19.6	168 W	32	77
7 5	19 0.04	−12 37.9	0.716	1.726	6.0	19.5	170 W	32	77
7 10	18 55.65	−12 19.7	0.708	1.717	6.6	19.5	169 E	33	76
7 15	18 51.36	−12 5.8	0.706	1.709	8.5	19.6	166 E	33	76
7 20	18 47.43	−11 56.2	0.708	1.701	11.1	19.7	161 E	33	76
7 25	18 44.07	−11 51.0	0.714	1.694	13.9	19.8	156 E	33	76
8 4	18 39.74	−11 52.2	0.739	1.682	19.4	20.1	147 E	33	76
8 14	18 39.37	−12 6.0	0.778	1.672	24.2	20.3	137 E	33	76
8 24	18 43.29	−12 27.2	0.829	1.664	28.1	20.5	129 E	33	76
9 3	18 51.28	−12 50.3	0.890	1.659	31.1	20.8	122 E	32	77
9 13	19 2.92	−13 10.4	0.958	1.657	33.4	21.0	115 E	32	77
9 23	19 17.67	−13 23.0	1.033	1.658	34.9	21.2	109 E	32	77
10 3	19 34.92	−13 24.9	1.113	1.661	35.9	21.4	103 E	32	77

390521 1995 YU_3

5 6	19 5.01	−11 4.1	1.076	1.792	29.7	21.4	118 W	34*	75
5 16	19 6.59	−11 11.0	1.005	1.808	26.3	21.2	128 W	34	75
5 26	19 3.89	−11 37.2	0.943	1.824	22.0	20.9	138 W	33	76
6 5	18 56.87	−12 25.9	0.895	1.839	16.7	20.7	149 W	33	76
6 15	18 45.99	−13 37.1	0.865	1.853	10.7	20.4	160 W	31	78
6 20	18 39.50	−14 20.0	0.857	1.860	7.6	20.3	166 W	31	78
6 25	18 32.60	−15 6.6	0.856	1.866	5.0	20.1	171 W	30	79
6 30	18 25.56	−15 55.7	0.860	1.872	4.1	20.1	172 E	29	80
7 5	18 18.62	−16 46.2	0.870	1.879	5.8	20.2	169 E	28	81
7 10	18 12.07	−17 36.9	0.886	1.884	8.5	20.4	164 E	27	82
7 15	18 6.15	−18 26.9	0.907	1.890	11.4	20.6	158 E	27	82
7 20	18 1.05	−19 15.5	0.934	1.895	14.2	20.7	153 E	26	83
7 25	17 56.91	−20 2.1	0.966	1.901	16.9	20.9	147 E	25	84
7 30	17 53.81	−20 46.3	1.002	1.906	19.3	21.1	142 E	24	85
8 4	17 51.79	−21 28.1	1.042	1.910	21.4	21.2	137 E	24	85
8 9	17 50.87	−22 7.2	1.086	1.915	23.4	21.4	132 E	23	86

481790 2008 TF_4

5 6	19 37.17	+ 8 19.4	0.898	1.516	39.9	21.5	105 W	53*	56
5 11	19 46.51	+11 25.6	0.860	1.497	40.4	21.3	106 W	56*	53
5 16	19 55.60	+14 39.1	0.827	1.478	40.9	21.2	107 W	59*	49
5 21	20 4.44	+17 58.0	0.796	1.460	41.5	21.1	107 W	63*	46
5 26	20 13.03	+21 20.5	0.769	1.442	42.1	21.1	107 W	66*	43
5 31	20 21.35	+24 44.4	0.745	1.425	42.8	21.0	107 W	70*	39
6 5	20 29.41	+28 7.6	0.723	1.408	43.5	20.9	107 W	73	36
6 10	20 37.16	+31 27.6	0.705	1.393	44.3	20.9	107 W	76	33
6 15	20 44.62	+34 42.1	0.688	1.378	45.0	20.8	106 W	80	29
6 20	20 51.79	+37 48.9	0.674	1.364	45.8	20.8	106 W	83	26
6 25	20 58.68	+40 46.3	0.660	1.351	46.5	20.7	105 W	86	23
6 30	21 5.28	+43 32.8	0.648	1.339	47.2	20.7	105 W	89	20
7 5	21 11.58	+46 7.0	0.637	1.329	47.8	20.6	105 W	89	18
7 10	21 17.57	+48 27.6	0.626	1.319	48.3	20.6	104 W	87	16
7 15	21 23.28	+50 33.5	0.615	1.311	48.8	20.6	104 W	84	13
7 20	21 28.73	+52 23.8	0.604	1.303	49.1	20.5	104 W	83	12
7 25	21 33.96	+53 57.7	0.593	1.298	49.3	20.5	104 W	81	10
7 30	21 38.99	+55 14.7	0.580	1.293	49.3	20.4	105 W	80	9
8 4	21 43.84	+56 13.4	0.568	1.290	49.2	20.4	106 W	79	8
8 9	21 48.56	+56 52.5	0.554	1.289	48.8	20.3	107 W	78	7
8 14	21 53.26	+57 10.5	0.540	1.289	48.3	20.2	108 W	78	7
8 19	21 58.03	+57 5.7	0.525	1.290	47.5	20.1	110 W	78	7
8 24	22 2.97	+56 36.5	0.509	1.292	46.4	20.1	112 E	78	7
8 29	22 8.12	+55 40.6	0.494	1.297	45.0	20.0	115 E	79	8
9 3	22 13.55	+54 15.4	0.479	1.302	43.3	19.8	118 E	81	10
9 8	22 19.33	+52 18.4	0.464	1.309	41.3	19.7	121 E	83	12
9 13	22 25.52	+49 47.5	0.451	1.317	38.8	19.6	125 E	85	14
9 23	22 39.18	+43 3.5	0.431	1.337	33.1	19.4	133 E	88	21
10 3	22 54.20	+34 22.2	0.427	1.361	27.3	19.2	141 E	79	30
10 13	23 10.25	+24 45.2	0.444	1.389	23.5	19.3	146 E	70	39
10 15	23 13.56	+22 51.1	0.451	1.395	23.2	19.3	146 E	68	41
10 17	23 16.89	+20 59.0	0.458	1.401	23.1	19.3	146 E	66	43
10 19	23 20.25	+19 9.7	0.466	1.408	23.1	19.4	146 E	64	45
10 21	23 23.61	+17 23.7	0.476	1.414	23.3	19.4	146 E	62	47
10 23	23 27.00	+15 41.4	0.486	1.421	23.6	19.5	145 E	61	48

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
481790 2008 TF_4 *(continuation)*									
10 28	23 35.50	+11 44.1	0.516	1.438	24.8	19.7	143 E	57	52
11 2	23 44.06	+ 8 16.1	0.551	1.456	26.4	19.9	139 E	53	56
11 7	23 52.66	+ 5 18.5	0.592	1.474	28.0	20.1	136 E	50	59
11 12	0 1.30	+ 2 50.5	0.637	1.492	29.6	20.4	132 E	48	61
11 17	0 9.97	+ 0 49.8	0.686	1.512	31.0	20.6	128 E	46	63
11 22	0 18.66	− 0 46.2	0.739	1.531	32.2	20.8	124 E	44	65
11 27	0 27.35	− 2 0.8	0.795	1.551	33.2	21.0	121 E	43	66
12 2	0 36.05	− 2 56.7	0.853	1.571	33.9	21.2	117 E	42	67
12 7	0 44.77	− 3 36.4	0.914	1.592	34.5	21.4	114 E	41	68
385580 2004 XO_{14}									
5 6	19 37.36	− 3 20.7	2.470	2.954	18.9	21.4	109 W	41*	67
5 16	19 38.66	− 2 56.7	2.293	2.901	18.0	21.2	117 W	42*	67
5 26	19 37.67	− 2 42.4	2.126	2.847	16.6	20.9	127 W	42	67
6 5	19 34.18	− 2 41.7	1.973	2.793	14.6	20.6	136 W	42	67
6 15	19 28.09	− 2 58.5	1.837	2.736	12.1	20.3	146 W	42	67
6 25	19 19.52	− 3 36.8	1.724	2.679	9.3	20.0	155 W	41	68
7 5	19 8.91	− 4 38.7	1.636	2.620	7.0	19.8	162 W	40	69
7 15	18 57.02	− 6 4.1	1.575	2.560	7.1	19.7	162 E	39	70
7 25	18 45.01	− 7 49.7	1.542	2.499	10.0	19.7	155 E	37	72
7 30	18 39.33	− 8 48.3	1.536	2.468	11.9	19.7	150 E	36	73
8 4	18 34.06	− 9 49.7	1.536	2.436	13.9	19.8	145 E	35	74
8 9	18 29.34	−10 52.9	1.542	2.404	15.9	19.8	139 E	34	75
8 14	18 25.28	−11 57.2	1.554	2.372	17.9	19.9	134 E	33	76
8 19	18 21.97	−13 1.7	1.570	2.340	19.7	19.9	129 E	32	77
8 24	18 19.47	−14 5.8	1.590	2.308	21.4	20.0	124 E	31	78
9 3	18 17.05	−16 10.8	1.639	2.242	24.4	20.1	114 E	29	80
9 13	18 18.18	−18 9.1	1.698	2.175	26.7	20.1	104 E	27	82
9 23	18 22.79	−19 58.6	1.759	2.107	28.3	20.2	95 E	25*	84*
10 3	18 30.69	−21 38.2	1.821	2.038	29.4	20.2	87 E	23*	80*
10 13	18 41.70	−23 6.9	1.879	1.969	29.9	20.2	80 E	21*	73*
10 23	18 55.60	−24 23.5	1.931	1.899	30.1	20.2	73 E	20*	66*
11 2	19 12.18	−25 27.1	1.976	1.829	29.9	20.2	67 E	19*	60*
11 12	19 31.30	−26 16.2	2.011	1.759	29.5	20.1	61 E	17*	54*
11 22	19 52.78	−26 49.1	2.036	1.689	28.9	20.1	56 E	16*	48*
12 2	20 16.48	−27 4.0	2.052	1.621	28.2	20.0	51 E	16*	43*
12 12	20 42.26	−26 58.7	2.057	1.554	27.4	19.8	47 E	15*	39*
12 22	21 9.95	−26 31.1	2.052	1.490	26.7	19.7	43 E	14*	35*
1 1	21 39.40	−25 38.9	2.039	1.429	26.1	19.6	40 E	14*	31*
1 11	22 10.43	−24 20.0	2.020	1.372	25.7	19.5	37 E	14*	29*
1 21	22 42.84	−22 32.7	1.995	1.321	25.5	19.4	35 E	13*	27*
162793 2000 YY_{43}									
5 6	20 1.29	−19 4.7	2.169	2.645	21.4	21.3	107 W	25*	83
5 16	20 5.81	−18 52.6	2.018	2.618	20.4	21.1	115 W	26*	83
5 26	20 7.93	−18 48.2	1.877	2.590	18.8	20.9	125 W	26*	83
6 5	20 7.39	−18 53.0	1.747	2.561	16.5	20.6	134 W	26	83
6 15	20 3.97	−19 7.7	1.634	2.532	13.4	20.4	145 W	26	83
6 25	19 57.70	−19 32.0	1.540	2.502	9.6	20.1	156 W	25	84
7 5	19 48.93	−20 3.9	1.469	2.471	5.1	19.7	167 W	25	84
7 10	19 43.82	−20 21.6	1.443	2.456	2.7	19.5	173 W	25	84
7 15	19 38.40	−20 39.9	1.424	2.440	0.4	19.3	179 W	24	85
7 20	19 32.83	−20 58.2	1.411	2.424	2.4	19.4	174 E	24	85
7 25	19 27.28	−21 16.0	1.405	2.408	4.9	19.6	168 E	24	85
7 30	19 21.92	−21 32.9	1.405	2.392	7.4	19.7	162 E	23	86
8 4	19 16.92	−21 48.6	1.412	2.376	9.9	19.8	156 E	23	86
8 9	19 12.42	−22 2.9	1.424	2.359	12.3	19.9	150 E	23	86
8 14	19 8.56	−22 15.6	1.442	2.343	14.5	20.0	145 E	23	86
8 24	19 3.16	−22 36.0	1.492	2.310	18.4	20.1	134 E	22	87
9 3	19 1.15	−22 50.1	1.557	2.276	21.7	20.3	124 E	22	87
9 13	19 2.66	−22 58.0	1.632	2.242	24.2	20.4	114 E	22	87
9 23	19 7.52	−22 59.4	1.715	2.208	26.0	20.6	106 E	22	87
10 3	19 15.43	−22 54.1	1.801	2.173	27.2	20.7	98 E	22	87
10 13	19 26.04	−22 41.0	1.888	2.139	27.8	20.8	90 E	22	83*
10 23	19 38.98	−22 19.1	1.974	2.104	28.0	20.8	83 E	23	76*
11 2	19 53.92	−21 47.4	2.057	2.070	27.8	20.9	77 E	23*	69*
11 12	20 10.55	−21 4.9	2.136	2.036	27.3	20.9	71 E	24*	62*
11 22	20 28.59	−20 10.7	2.210	2.003	26.5	20.9	65 E	24*	55*
12 2	20 47.79	−19 4.3	2.278	1.970	25.5	20.9	59 E	25*	48*
12 12	21 7.96	−17 45.5	2.339	1.937	24.4	20.9	54 E	25*	42*
12 22	21 28.89	−16 14.1	2.394	1.906	23.1	20.9	49 E	26*	36*
1 1	21 50.46	−14 30.5	2.443	1.875	21.6	20.9	45 E	25*	30*
1 11	22 12.57	−12 35.3	2.485	1.846	20.1	20.8	40 E	24*	25*
1 21	22 35.10	−10 29.4	2.522	1.819	18.5	20.8	36 E	23*	21*
543523 2014 MD_{27}									
5 6	20 2.71	+10 17.9	1.075	1.580	39.1	21.3	99 W	53*	54
5 11	20 10.46	+10 45.3	1.028	1.571	39.2	21.2	101 W	54*	53
5 16	20 17.79	+11 8.1	0.982	1.562	39.1	21.1	103 W	55*	53
5 21	20 24.68	+11 25.1	0.937	1.553	38.9	21.0	106 W	55*	53

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
543523 2014 MD_{27} *(continuation)*									
5 26	20 31.09	+11 35.1	0.891	1.545	38.5	20.8	108 W	56*	52
5 31	20 36.99	+11 36.5	0.846	1.537	38.0	20.7	111 W	56*	52
6 5	20 42.32	+11 27.9	0.802	1.529	37.3	20.5	114 W	56*	53
6 10	20 47.03	+11 6.9	0.758	1.521	36.3	20.4	117 W	56	53
6 15	20 51.07	+10 31.3	0.716	1.514	35.1	20.2	121 W	56	53
6 20	20 54.38	+ 9 38.4	0.675	1.507	33.6	20.0	125 W	55	54
6 25	20 56.93	+ 8 25.2	0.635	1.501	31.7	19.8	129 W	53	56
6 30	20 58.65	+ 6 48.6	0.598	1.495	29.3	19.6	134 W	52	57
7 5	20 59.50	+ 4 45.4	0.563	1.489	26.5	19.4	139 W	50	59
7 10	20 59.43	+ 2 12.7	0.532	1.484	23.2	19.2	145 W	47	62
7 15	20 58.47	− 0 51.4	0.505	1.480	19.3	18.9	151 W	44	65
7 20	20 56.68	− 4 26.6	0.483	1.475	14.8	18.7	158 W	41	68
7 25	20 54.15	− 8 29.9	0.466	1.472	9.9	18.4	166 W	37	72
7 30	20 51.04	−12 54.8	0.455	1.469	4.6	18.1	173 W	32	77
8 4	20 47.53	−17 31.7	0.451	1.466	1.4	17.9	178 E	27	82
8 6	20 46.08	−19 23.3	0.452	1.465	3.4	18.0	175 E	26	83
8 8	20 44.63	−21 14.1	0.453	1.464	5.6	18.2	172 E	24	85
8 10	20 43.21	−23 3.5	0.456	1.463	7.8	18.3	169 E	22	87
8 12	20 41.82	−24 50.6	0.459	1.463	9.9	18.4	166 E	20	89
8 14	20 40.51	−26 34.9	0.464	1.462	12.0	18.5	163 E	18	89
8 19	20 37.66	−30 39.6	0.479	1.461	16.9	18.7	155 E	14	85
8 24	20 35.65	−34 17.0	0.501	1.461	21.4	19.0	148 E	11	82
8 29	20 34.70	−37 24.1	0.526	1.461	25.2	19.2	142 E	8	79
9 3	20 35.00	−40 0.7	0.556	1.461	28.6	19.4	136 E	5	76
9 8	20 36.68	−42 8.3	0.589	1.462	31.4	19.6	131 E	3	74
9 13	20 39.78	−43 49.4	0.624	1.464	33.7	19.8	126 E	1	72
9 18	20 44.28	−45 6.8	0.661	1.466	35.6	20.0	122 E	—	71
9 23	20 50.09	−46 3.3	0.700	1.469	37.1	20.2	118 E	—	70
9 28	20 57.08	−46 41.2	0.740	1.472	38.3	20.3	115 E	—	69
10 3	21 5.11	−47 2.6	0.780	1.476	39.2	20.5	111 E	—	69
10 8	21 14.07	−47 9.1	0.822	1.480	39.9	20.6	108 E	—	69
10 13	21 23.81	−47 2.3	0.863	1.485	40.3	20.7	106 E	—	69
10 18	21 34.17	−46 43.5	0.905	1.490	40.6	20.8	103 E	—	69
10 23	21 45.02	−46 13.7	0.947	1.496	40.8	21.0	101 E	—	70
10 28	21 56.23	−45 34.0	0.989	1.502	40.9	21.1	98 E	—	70
11 2	22 7.70	−44 45.0	1.031	1.508	40.8	21.2	96 E	—	71
11 7	22 19.36	−43 47.6	1.073	1.515	40.7	21.3	94 E	1	72
11 12	22 31.13	−42 42.5	1.115	1.522	40.5	21.3	92 E	2	73
11 17	22 42.95	−41 30.4	1.157	1.530	40.3	21.4	91 E	3	74
137671 1999 XP_{35}									
5 6	20 9.76	−19 8.4	1.112	1.683	35.4	21.3	105 W	24*	83
5 16	20 15.49	−16 15.4	1.020	1.690	33.5	21.1	113 W	28*	80
5 26	20 16.98	−13 8.0	0.934	1.695	30.8	20.8	121 W	32*	77
6 5	20 13.70	− 9 47.3	0.856	1.698	27.2	20.5	130 W	35	74
6 15	20 5.20	− 6 17.3	0.792	1.699	22.8	20.2	140 W	39	70
6 20	19 59.02	− 4 31.6	0.766	1.699	20.4	20.1	144 W	40	69
6 25	19 51.66	− 2 47.7	0.745	1.698	18.1	19.9	149 W	42	67
6 30	19 43.29	− 1 7.6	0.729	1.697	16.1	19.8	152 W	44	65
7 5	19 34.13	+ 0 26.1	0.719	1.695	14.7	19.8	155 W	45	64
7 10	19 24.49	+ 1 51.1	0.714	1.693	14.2	19.7	156 W	47	62
7 15	19 14.73	+ 3 5.2	0.715	1.691	14.9	19.7	155 E	48	61
7 20	19 5.22	+ 4 7.0	0.722	1.688	16.4	19.8	152 E	49	60
7 25	18 56.31	+ 4 56.1	0.733	1.685	18.4	19.9	148 E	50	59
8 4	18 41.31	+ 5 56.6	0.770	1.676	23.2	20.2	139 E	51	58
8 14	18 31.21	+ 6 14.0	0.822	1.666	27.7	20.4	130 E	51	58
8 24	18 26.47	+ 6 1.1	0.884	1.654	31.4	20.7	121 E	51	58
9 3	18 26.74	+ 5 29.8	0.952	1.641	34.3	20.9	114 E	50	59
9 13	18 31.49	+ 4 49.5	1.022	1.625	36.4	21.1	106 E	50	59
9 23	18 40.09	+ 4 8.0	1.093	1.608	37.9	21.2	100 E	49	60
10 3	18 51.93	+ 3 30.0	1.163	1.590	38.9	21.4	94 E	48*	60*
10 13	19 6.57	+ 2 59.4	1.230	1.570	39.5	21.5	89 E	48*	59*
399628 2004 NM_{23}									
5 6	20 11.20	−17 46.9	1.379	1.900	31.0	21.3	104 W	25*	82
5 16	20 24.85	−16 26.6	1.258	1.869	30.4	21.1	110 W	27*	80
5 26	20 36.50	−15 3.7	1.143	1.840	29.4	20.8	117 W	29*	79
6 5	20 45.80	−13 41.0	1.037	1.812	27.7	20.5	124 W	31*	78
6 15	20 52.32	−12 21.7	0.941	1.785	25.2	20.2	132 W	33	76
6 25	20 55.66	−11 9.6	0.856	1.760	21.9	19.8	140 W	34	75
7 5	20 55.61	−10 8.6	0.785	1.736	17.7	19.5	149 W	35	74
7 15	20 52.17	− 9 22.9	0.729	1.715	12.7	19.1	158 W	36	73
7 25	20 46.02	− 8 55.3	0.690	1.695	7.7	18.8	167 W	36	73
8 4	20 38.41	− 8 46.5	0.669	1.678	5.8	18.6	170 E	36	73
8 9	20 34.59	− 8 48.5	0.666	1.671	7.4	18.7	168 E	36	73
8 14	20 31.09	− 8 54.0	0.667	1.664	9.9	18.8	164 E	36	73
8 19	20 28.14	− 9 2.3	0.673	1.658	12.7	18.9	159 E	36	73
8 24	20 25.93	− 9 12.4	0.683	1.652	15.6	19.0	154 E	36	73

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
399628 2004 NM_{23} *(continuation)*									
8 29	20 24.59	− 9 23.5	0.697	1.648	18.3	19.1	149 E	36	73
9 3	20 24.23	− 9 34.9	0.714	1.644	20.9	19.3	144 E	35	74
9 8	20 24.91	− 9 45.6	0.735	1.640	23.3	19.4	140 E	35	74
9 13	20 26.66	− 9 54.9	0.759	1.638	25.4	19.5	136 E	35	74
9 23	20 33.28	−10 6.8	0.815	1.635	29.0	19.8	128 E	35	74
10 3	20 43.62	−10 6.8	0.881	1.635	31.8	20.0	121 E	35	74
10 13	20 57.15	− 9 52.2	0.955	1.639	33.8	20.3	114 E	35	74
10 23	21 13.23	− 9 21.7	1.035	1.645	35.1	20.5	108 E	36	73
11 2	21 31.25	− 8 35.2	1.122	1.654	35.8	20.7	103 E	36	73
11 12	21 50.72	− 7 33.1	1.214	1.667	36.1	20.9	98 E	37	71*
11 22	22 11.22	− 6 16.7	1.312	1.681	35.9	21.1	93 E	39	67*
12 2	22 32.40	− 4 47.6	1.414	1.699	35.5	21.3	88 E	40	62*
12 12	22 54.03	− 3 7.8	1.520	1.718	34.7	21.4	84 E	42	57*
530766 2011 UG_{188}									
5 6	20 11.54	−26 6.6	1.269	1.826	32.1	21.4	106 W	17*	90
5 16	20 27.89	−25 42.6	1.157	1.798	31.5	21.1	112 W	18*	90
5 26	20 42.28	−25 21.1	1.051	1.771	30.3	20.9	118 W	19*	89
6 5	20 54.28	−25 4.6	0.955	1.746	28.4	20.6	125 W	20*	89
6 15	21 3.35	−24 55.7	0.867	1.723	25.8	20.3	132 W	20	89
6 25	21 8.98	−24 55.4	0.791	1.702	22.4	19.9	140 W	20	89
7 5	21 10.77	−25 2.9	0.728	1.684	18.0	19.6	149 W	20	89
7 10	21 10.16	−25 8.7	0.701	1.675	15.5	19.4	154 W	20	89
7 15	21 8.58	−25 14.8	0.679	1.667	12.8	19.2	159 W	20	89
7 20	21 6.15	−25 20.1	0.661	1.660	10.0	19.0	163 W	20	89
7 25	21 3.00	−25 23.6	0.647	1.654	7.4	18.9	168 W	20	89
7 30	20 59.32	−25 24.3	0.637	1.648	5.3	18.7	171 W	20	89
8 4	20 55.35	−25 21.1	0.632	1.643	5.0	18.7	172 E	20	89
8 9	20 51.33	−25 13.4	0.632	1.639	6.7	18.8	169 E	20	89
8 14	20 47.58	−25 0.6	0.636	1.635	9.3	18.9	165 E	20	89
8 19	20 44.34	−24 42.5	0.644	1.632	12.3	19.0	160 E	20	89
8 24	20 41.84	−24 19.5	0.657	1.630	15.2	19.2	155 E	21	88
8 29	20 40.22	−23 51.8	0.673	1.629	17.9	19.3	150 E	21	88
9 3	20 39.58	−23 20.0	0.693	1.628	20.5	19.5	146 E	22	87
9 13	20 41.48	−22 5.9	0.744	1.629	25.1	19.8	137 E	23	86
9 23	20 47.51	−20 40.5	0.806	1.634	28.6	20.1	129 E	24	85
10 3	20 57.11	−19 6.2	0.878	1.641	31.3	20.3	122 E	26	83
10 13	21 9.67	−17 24.0	0.960	1.652	33.2	20.6	115 E	28	81
10 23	21 24.55	−15 34.3	1.048	1.665	34.4	20.8	109 E	29	80
11 2	21 41.13	−13 37.7	1.144	1.680	35.0	21.1	104 E	31	78
11 12	21 58.98	−11 34.6	1.245	1.699	35.2	21.3	98 E	33	75*
11 22	22 17.72	− 9 25.6	1.352	1.719	35.0	21.5	93 E	36	71*
315187 2007 OS_1									
5 6	20 18.55	−24 48.4	1.513	2.013	29.1	21.3	104 W	18*	89
5 16	20 30.93	−23 43.7	1.379	1.978	28.5	21.0	111 W	20*	88
5 26	20 41.10	−22 35.8	1.252	1.944	27.4	20.8	118 W	22*	87
6 5	20 48.66	−21 25.6	1.134	1.910	25.6	20.5	125 W	23*	85
6 15	20 53.10	−20 14.1	1.026	1.877	23.0	20.1	134 W	25	84
6 25	20 54.03	−19 1.5	0.931	1.845	19.5	19.8	143 W	26	83
7 5	20 51.18	−17 47.8	0.850	1.814	14.9	19.4	153 W	27	82
7 15	20 44.67	−16 32.9	0.788	1.785	9.4	19.0	163 W	28	81
7 20	20 40.27	−15 54.9	0.764	1.771	6.5	18.7	169 W	29	80
7 25	20 35.33	−15 16.7	0.745	1.758	3.6	18.5	174 W	30	79
7 30	20 30.06	−14 38.5	0.731	1.745	2.5	18.4	176 E	30	79
8 4	20 24.70	−14 0.4	0.722	1.732	4.8	18.5	172 E	31	78
8 9	20 19.51	−13 23.0	0.718	1.720	8.0	18.6	166 E	32	77
8 14	20 14.77	−12 46.5	0.720	1.709	11.3	18.7	161 E	32	77
8 19	20 10.71	−12 11.2	0.726	1.698	14.5	18.9	155 E	33	76
8 24	20 7.53	−11 37.3	0.736	1.688	17.6	19.0	150 E	33	76
9 3	20 4.25	−10 34.2	0.768	1.669	23.1	19.2	140 E	34	75
9 13	20 5.49	− 9 36.4	0.812	1.654	27.6	19.5	130 E	35	74
9 23	20 11.18	− 8 41.3	0.867	1.641	31.1	19.7	122 E	36	73
10 3	20 20.85	− 7 45.8	0.929	1.631	33.7	19.9	115 E	37	72
10 13	20 33.92	− 6 46.5	0.997	1.625	35.5	20.1	109 E	38	71
10 23	20 49.79	− 5 40.8	1.070	1.622	36.6	20.3	103 E	39	70
11 2	21 7.87	− 4 26.9	1.147	1.623	37.2	20.5	98 E	41	68*
11 12	21 27.70	− 3 3.6	1.228	1.626	37.4	20.6	94 E	42	65*
11 22	21 48.85	− 1 30.7	1.313	1.634	37.2	20.8	89 E	43	60*
12 2	22 10.97	+ 0 11.1	1.402	1.644	36.7	20.9	85 E	45	55*
12 12	22 33.82	+ 2 1.1	1.494	1.657	35.9	21.0	81 E	47	50*
12 22	22 57.18	+ 3 57.7	1.589	1.674	35.0	21.2	77 E	49	44*
1 1	23 20.87	+ 5 58.9	1.688	1.693	33.8	21.3	73 E	51*	39*
1 11	23 44.82	+ 8 3.0	1.789	1.715	32.5	21.4	70 E	52*	35*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
30854 1991 VB									
5 6	20 25.88	−16 8.3	1.793	2.212	26.6	21.5	101 W	26*	80
5 16	20 35.78	−14 54.9	1.632	2.164	26.5	21.2	108 W	28*	79
5 26	20 43.85	−13 39.8	1.478	2.115	25.8	21.0	115 W	30*	78
6 5	20 49.75	−12 24.6	1.332	2.065	24.4	20.6	123 W	32*	76
6 15	20 53.01	−11 11.1	1.196	2.014	22.4	20.3	131 W	34	75
6 25	20 53.23	−10 1.7	1.072	1.963	19.5	19.9	140 W	35	74
7 5	20 50.05	− 8 59.0	0.964	1.911	15.7	19.5	149 W	36	73
7 15	20 43.32	− 8 6.3	0.874	1.859	11.2	19.0	159 W	37	72
7 25	20 33.45	− 7 26.7	0.803	1.807	7.2	18.6	167 W	38	71
8 4	20 21.53	− 7 2.4	0.753	1.756	7.6	18.5	167 E	38	71
8 14	20 9.34	− 6 54.1	0.723	1.704	12.9	18.5	158 E	38	71
8 19	20 3.84	− 6 55.4	0.715	1.679	16.1	18.6	153 E	38	71
8 24	19 59.07	− 6 59.6	0.712	1.654	19.4	18.6	147 E	38	71
8 29	19 55.23	− 7 6.1	0.712	1.630	22.6	18.7	142 E	38	71
9 3	19 52.50	− 7 14.4	0.715	1.606	25.6	18.8	137 E	38	71
9 8	19 51.01	− 7 23.6	0.722	1.582	28.4	18.8	132 E	38	71
9 13	19 50.83	− 7 33.1	0.730	1.559	31.1	18.9	127 E	37	72
9 18	19 52.00	− 7 42.0	0.741	1.536	33.5	19.0	123 E	37	72
9 23	19 54.49	− 7 49.6	0.752	1.514	35.7	19.0	118 E	37	72
10 3	20 3.31	− 7 58.9	0.779	1.472	39.4	19.2	111 E	37	72
10 13	20 16.92	− 7 56.2	0.807	1.434	42.3	19.3	105 E	37	72
10 23	20 34.77	− 7 37.7	0.836	1.400	44.5	19.3	99 E	37	72*
11 2	20 56.28	− 7 0.7	0.865	1.372	46.1	19.4	95 E	38	70*
11 12	21 20.92	− 6 3.0	0.895	1.348	47.2	19.5	91 E	39	67*
11 22	21 48.16	− 4 43.9	0.927	1.331	47.9	19.6	88 E	40	63*
12 2	22 17.45	− 3 4.2	0.961	1.321	48.1	19.6	85 E	42	59*
12 12	22 48.36	− 1 6.1	0.998	1.317	47.9	19.7	83 E	44	54*
12 22	23 20.42	+ 1 7.0	1.041	1.320	47.4	19.8	81 E	46	51*
1 1	23 53.23	+ 3 29.9	1.091	1.331	46.6	19.9	80 E	49	47*
1 11	0 26.45	+ 5 57.6	1.148	1.348	45.6	20.0	78 E	51*	44*
1 21	0 59.78	+ 8 24.2	1.213	1.371	44.3	20.1	76 E	53*	41*
331521 2000 QY_{40}									
5 6	20 36.40	−20 12.0	1.539	1.969	30.4	21.3	99 W	22*	84
5 16	20 51.29	−19 11.0	1.407	1.935	30.3	21.1	105 W	23*	83
5 26	21 4.59	−18 10.2	1.282	1.902	29.7	20.8	111 W	25*	82
6 5	21 15.99	−17 11.9	1.164	1.870	28.6	20.5	118 W	27*	81
6 15	21 25.09	−16 19.0	1.055	1.840	26.8	20.2	125 W	29*	80
6 25	21 31.47	−15 34.0	0.956	1.810	24.2	19.9	133 W	29	80
7 5	21 34.72	−14 59.4	0.868	1.782	20.7	19.6	142 W	30	79
7 15	21 34.51	−14 37.1	0.795	1.755	16.2	19.2	151 W	30	79
7 25	21 30.91	−14 26.8	0.737	1.731	10.7	18.8	162 W	31	78
8 4	21 24.51	−14 26.3	0.698	1.709	4.4	18.4	173 W	31	78
8 9	21 20.62	−14 28.4	0.685	1.698	1.2	18.1	178 W	31	78
8 14	21 16.56	−14 31.0	0.677	1.689	2.5	18.2	176 E	30	79
8 19	21 12.60	−14 33.4	0.674	1.680	6.0	18.3	170 E	30	79
8 24	21 8.97	−14 34.7	0.675	1.671	9.3	18.5	164 E	30	79
8 29	21 5.88	−14 34.5	0.681	1.664	12.6	18.6	159 E	30	79
9 3	21 3.54	−14 32.1	0.691	1.657	15.7	18.8	154 E	30	79
9 13	21 1.67	−14 19.5	0.723	1.645	21.3	19.0	143 E	31	78
9 23	21 4.02	−13 54.4	0.769	1.636	26.0	19.3	134 E	31	78
10 3	21 10.51	−13 15.9	0.825	1.631	29.6	19.5	126 E	32	77
10 13	21 20.73	−12 23.4	0.891	1.629	32.4	19.8	119 E	33	76
10 23	21 34.08	−11 16.7	0.964	1.630	34.3	20.0	113 E	34	75
11 2	21 49.89	− 9 56.4	1.044	1.634	35.6	20.2	107 E	35	74
11 12	22 7.62	− 8 23.1	1.129	1.642	36.2	20.4	101 E	37	72*
11 22	22 26.76	− 6 38.0	1.220	1.653	36.4	20.6	96 E	38	69*
12 2	22 46.92	− 4 43.0	1.315	1.666	36.3	20.8	92 E	40	64*
12 12	23 7.83	− 2 39.6	1.415	1.683	35.8	20.9	87 E	42	59*
12 22	23 29.25	− 0 30.0	1.519	1.702	35.0	21.1	83 E	45	53*
1 1	23 51.03	+ 1 43.5	1.627	1.723	34.0	21.3	78 E	47	48*
1 11	0 13.08	+ 3 59.0	1.737	1.747	32.8	21.4	74 E	49*	43*
491240 2011 UU_{204}									
5 6	20 56.74	− 6 5.4	1.524	1.836	33.3	21.4	91 W	33*	70
5 16	21 14.80	− 4 18.0	1.403	1.802	34.0	21.2	95 W	35*	68
5 26	21 32.09	− 2 29.6	1.286	1.770	34.3	21.0	100 W	38*	66
6 5	21 48.49	− 0 43.4	1.175	1.739	34.3	20.8	105 W	41*	65
6 15	22 3.79	+ 0 56.6	1.070	1.710	33.9	20.5	110 W	44*	63
6 25	22 17.76	+ 2 25.0	0.972	1.682	33.0	20.3	116 W	47*	62
6 30	22 24.17	+ 3 3.1	0.926	1.670	32.4	20.1	118 W	48*	61
7 5	22 30.14	+ 3 35.9	0.881	1.657	31.5	20.0	122 W	49	60
7 10	22 35.60	+ 4 2.5	0.839	1.646	30.5	19.8	125 W	49	60
7 15	22 40.52	+ 4 21.7	0.798	1.635	29.3	19.7	128 W	49	60
7 20	22 44.86	+ 4 32.5	0.760	1.625	27.8	19.5	132 W	50	59
7 25	22 48.57	+ 4 34.0	0.725	1.615	26.1	19.3	136 W	50	59
7 30	22 51.62	+ 4 25.1	0.692	1.606	24.2	19.2	140 W	49	60
8 4	22 53.96	+ 4 4.7	0.663	1.598	22.0	19.0	144 W	49	60

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
491240 2011 UU_{204} *(continuation)*									
8 14	22 56.54	+ 2 47.1	0.613	1.585	16.7	18.6	153 W	48	61
8 24	22 56.65	+ 0 41.3	0.579	1.575	10.4	18.3	164 W	46	63
9 3	22 55.09	− 2 2.8	0.561	1.568	3.8	17.9	174 W	43	66
9 8	22 54.08	− 3 33.2	0.559	1.566	2.4	17.8	176 E	41	68
9 13	22 53.18	− 5 4.7	0.562	1.565	4.9	17.9	172 E	40	69
9 18	22 52.59	− 6 33.8	0.570	1.565	8.3	18.1	167 E	38	71
9 23	22 52.48	− 7 57.5	0.581	1.566	11.7	18.3	161 E	37	72
9 28	22 52.98	− 9 13.1	0.598	1.568	15.0	18.5	156 E	36	73
10 3	22 54.17	−10 18.9	0.618	1.570	18.0	18.7	151 E	35	74
10 8	22 56.14	−11 13.4	0.642	1.574	20.7	18.8	146 E	34	75
10 13	22 58.92	−11 56.0	0.670	1.578	23.2	19.0	141 E	33	76
10 23	23 6.83	−12 45.7	0.735	1.590	27.3	19.4	133 E	32	77
11 2	23 17.54	−12 51.9	0.811	1.604	30.3	19.7	125 E	32	77
11 12	23 30.60	−12 20.7	0.897	1.622	32.4	20.0	118 E	33	76
11 17	23 37.85	−11 53.3	0.943	1.632	33.2	20.1	115 E	33	76
11 22	23 45.49	−11 19.2	0.991	1.643	33.8	20.3	112 E	34	75
11 27	23 53.47	−10 39.3	1.041	1.654	34.3	20.4	109 E	34	75
12 2	0 1.74	− 9 54.4	1.093	1.667	34.6	20.5	106 E	35	74
12 7	0 10.28	− 9 5.0	1.146	1.679	34.7	20.7	104 E	36	73*
12 12	0 19.04	− 8 11.8	1.200	1.692	34.8	20.8	101 E	37	72*
12 17	0 27.98	− 7 15.6	1.257	1.706	34.8	20.9	98 E	38	70*
12 22	0 37.09	− 6 16.8	1.314	1.720	34.7	21.0	96 E	39	68*
12 27	0 46.34	− 5 16.1	1.373	1.735	34.5	21.1	93 E	40	65*
1 1	0 55.71	− 4 13.8	1.432	1.750	34.2	21.2	91 E	41	63*
1 6	1 5.19	− 3 10.4	1.493	1.766	33.8	21.3	88 E	42	60*
1 11	1 14.78	− 2 6.3	1.555	1.782	33.4	21.4	86 E	43	58*
446819 2000 RB_{53}									
5 6	21 17.19	−31 17.9	2.386	2.643	22.4	21.5	93 W	8*	83*
5 16	21 25.50	−30 37.8	2.212	2.597	22.5	21.3	101 W	10*	85
5 26	21 31.75	−30 1.5	2.041	2.550	22.1	21.0	109 W	12*	86
6 5	21 35.57	−29 29.3	1.876	2.503	21.2	20.8	117 W	14*	87
6 15	21 36.48	−29 0.8	1.720	2.455	19.6	20.5	126 W	16*	87
6 25	21 34.03	−28 34.2	1.576	2.406	17.3	20.2	135 W	16	87
7 5	21 27.83	−28 6.0	1.448	2.357	14.1	19.9	145 W	17	88
7 15	21 17.72	−27 30.9	1.340	2.307	10.2	19.5	156 W	17	88
7 20	21 11.30	−27 8.6	1.295	2.282	8.0	19.3	162 W	18	89
7 25	21 4.10	−26 41.8	1.256	2.257	5.8	19.1	167 W	18	89
7 30	20 56.29	−26 10.0	1.224	2.232	4.0	18.9	171 W	19	90
8 4	20 48.07	−25 32.5	1.198	2.207	3.9	18.9	172 E	19	90
8 9	20 39.69	−24 49.1	1.180	2.182	5.6	18.9	168 E	20	89
8 14	20 31.40	−24 0.0	1.169	2.156	8.2	19.0	162 E	21	88
8 19	20 23.48	−23 5.8	1.164	2.131	10.9	19.1	156 E	22	87
8 24	20 16.17	−22 7.2	1.166	2.106	13.7	19.1	150 E	23	86
8 29	20 9.65	−21 5.3	1.174	2.080	16.4	19.2	144 E	24	85
9 3	20 4.08	−20 1.2	1.187	2.055	19.0	19.3	139 E	25	84
9 8	19 59.56	−18 55.9	1.205	2.030	21.3	19.4	133 E	26	83
9 13	19 56.16	−17 50.1	1.228	2.005	23.5	19.5	127 E	27	82
9 23	19 52.72	−15 39.3	1.281	1.955	27.2	19.6	117 E	29	80
10 3	19 53.55	−13 31.5	1.343	1.906	30.0	19.7	108 E	31	78
10 13	19 58.23	−11 26.4	1.409	1.858	32.0	19.8	100 E	34	75
10 23	20 6.26	− 9 22.1	1.476	1.811	33.3	19.9	92 E	36	72*
11 2	20 17.15	− 7 16.1	1.541	1.766	34.1	20.0	85 E	38	65*
11 12	20 30.52	− 5 5.9	1.602	1.722	34.4	20.0	79 E	40*	58*
11 22	20 46.04	− 2 49.2	1.658	1.682	34.4	20.1	74 E	42*	50*
12 2	21 3.45	− 0 24.2	1.709	1.644	34.1	20.1	69 E	44*	43*
12 12	21 22.60	+ 2 10.3	1.754	1.609	33.7	20.1	65 E	46*	36*
12 22	21 43.34	+ 4 55.0	1.793	1.578	33.2	20.0	61 E	47*	29*
1 1	22 5.63	+ 7 49.4	1.828	1.551	32.5	20.0	58 E	47*	23*
1 11	22 29.47	+10 52.7	1.860	1.529	31.9	20.0	55 E	47*	18*
1 21	22 54.87	+14 2.7	1.890	1.512	31.2	20.0	53 E	46*	14*
385497 2004 DD									
5 6	21 21.26	−33 35.7	0.964	1.433	44.7	21.2	93 W	6*	81*
5 11	21 41.08	−32 57.4	0.906	1.398	46.1	21.1	94 W	5*	82*
5 16	22 1.80	−32 6.9	0.851	1.364	47.7	20.9	94 W	6*	82*
5 21	22 23.44	−31 2.0	0.800	1.329	49.5	20.8	94 W	6*	83*
5 26	22 46.01	−29 40.1	0.752	1.294	51.4	20.6	93 W	6*	84*
5 31	23 9.51	−27 58.6	0.708	1.259	53.6	20.5	92 W	7*	85*
6 5	23 33.87	−25 54.9	0.668	1.223	56.0	20.4	91 W	8*	84*
6 10	23 58.99	−23 27.0	0.633	1.188	58.7	20.3	89 W	9*	83*
6 15	0 24.73	−20 33.6	0.603	1.153	61.6	20.2	87 W	11*	81*
6 20	0 50.93	−17 14.7	0.578	1.119	64.7	20.1	84 W	13*	78*
6 25	1 17.43	−13 32.1	0.560	1.085	67.8	20.1	81 W	15*	74*
6 30	1 44.06	− 9 29.6	0.548	1.053	71.0	20.1	78 W	18*	70*
7 5	2 10.67	− 5 13.3	0.542	1.021	74.1	20.1	75 W	20*	65*
7 10	2 37.12	− 0 50.8	0.543	0.992	76.9	20.1	72 W	23*	61*
7 15	3 3.32	+ 3 29.8	0.550	0.964	79.2	20.2	69 W	26*	56*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
385497 2004 DD *(continuation)*									
7 20	3 29.24	+ 7 40.9	0.563	0.938	81.0	20.2	66 W	29*	51*
7 25	3 54.86	+11 36.1	0.582	0.916	82.2	20.3	63 W	32*	47*
7 30	4 20.22	+15 10.5	0.605	0.896	82.6	20.4	61 W	35*	43*
8 4	4 45.31	+18 20.7	0.633	0.881	82.4	20.4	59 W	37*	39*
8 14	5 34.62	+23 23.1	0.699	0.862	80.2	20.5	57 W	41*	33*
8 24	6 22.46	+26 42.6	0.773	0.861	76.3	20.6	56 W	44*	28*
9 3	7 8.16	+28 30.1	0.848	0.878	71.5	20.7	56 W	46*	24*
9 13	7 50.80	+29 2.8	0.919	0.911	66.7	20.8	56 W	48*	22*
9 23	8 29.72	+28 40.0	0.983	0.958	62.2	20.9	58 W	50*	21*
10 3	9 4.69	+27 40.1	1.036	1.015	58.4	21.0	60 W	53*	21*
10 13	9 35.71	+26 18.7	1.076	1.078	55.2	21.1	63 W	55*	21*
10 23	10 2.99	+24 48.0	1.103	1.146	52.5	21.2	66 W	58*	23*
11 2	10 26.80	+23 17.1	1.116	1.216	50.1	21.3	70 W	61*	25*
11 12	10 47.27	+21 53.3	1.115	1.286	48.0	21.4	75 W	64*	28*
11 22	11 4.46	+20 42.2	1.102	1.357	45.9	21.4	81 W	65*	32*
12 2	11 18.30	+19 48.3	1.078	1.425	43.7	21.4	87 W	65	36*
12 12	11 28.46	+19 16.0	1.044	1.493	41.1	21.4	95 W	64	40*
12 22	11 34.51	+19 8.3	1.005	1.558	38.0	21.3	103 W	64	43*
1 1	11 35.86	+19 27.3	0.963	1.620	34.0	21.2	113 W	64	44*
1 11	11 31.80	+20 12.5	0.923	1.680	29.2	21.0	124 W	65	44
1 21	11 21.95	+21 18.0	0.893	1.738	23.4	20.9	136 W	66	43
510996 2013 KA_3									
5 6	21 25.24	−20 25.6	1.075	1.450	44.0	21.5	88 W	17*	81*
5 11	21 36.07	−18 10.3	1.030	1.441	44.5	21.4	90 W	19*	81*
5 16	21 46.48	−15 46.0	0.986	1.431	44.9	21.3	92 W	22*	80*
5 21	21 56.45	−13 12.3	0.944	1.422	45.3	21.2	93 W	25*	77
5 26	22 6.00	−10 29.0	0.903	1.413	45.6	21.1	95 W	28*	74
5 31	22 15.12	− 7 35.7	0.864	1.405	45.8	21.0	97 W	31*	72
6 5	22 23.79	− 4 32.4	0.826	1.397	46.0	20.9	98 W	34*	69
6 10	22 32.00	− 1 18.9	0.791	1.389	46.1	20.8	100 W	38*	65
6 15	22 39.72	+ 2 4.5	0.757	1.382	46.1	20.7	101 W	43*	62
6 20	22 46.94	+ 5 37.5	0.727	1.375	46.1	20.5	103 W	47*	58
6 25	22 53.63	+ 9 19.4	0.698	1.369	46.0	20.4	104 W	52*	55
6 30	22 59.76	+13 9.4	0.672	1.363	45.8	20.4	106 W	57*	51
7 5	23 5.27	+17 5.9	0.649	1.358	45.6	20.3	107 W	61*	47
7 10	23 10.08	+21 7.1	0.628	1.354	45.4	20.2	108 W	66*	43
7 15	23 14.12	+25 10.6	0.611	1.350	45.2	20.1	110 W	70	39
7 20	23 17.32	+29 13.6	0.596	1.346	45.0	20.0	111 W	74	35
7 25	23 19.57	+33 13.3	0.583	1.344	44.7	20.0	111 W	78	31
7 30	23 20.78	+37 6.6	0.574	1.342	44.5	19.9	112 W	82	27
8 4	23 20.79	+40 50.2	0.566	1.340	44.2	19.9	113 W	86	23
8 9	23 19.47	+44 20.6	0.561	1.339	44.0	19.9	113 W	89	20
8 14	23 16.73	+47 34.7	0.557	1.339	43.8	19.9	114 W	87	16
8 19	23 12.53	+50 29.6	0.555	1.340	43.5	19.8	114 W	85	14
8 24	23 6.87	+53 3.0	0.555	1.341	43.3	19.8	115 W	82	11
8 29	22 59.86	+55 12.8	0.555	1.343	43.0	19.8	115 W	80	9
9 3	22 51.72	+56 57.4	0.557	1.345	42.7	19.8	115 W	78	7
9 5	22 48.24	+57 31.9	0.557	1.346	42.5	19.8	116 E	77	6
9 7	22 44.68	+58 2.2	0.558	1.347	42.4	19.8	116 E	77	6
9 9	22 41.08	+58 28.1	0.559	1.349	42.2	19.8	116 E	77	6
9 11	22 37.47	+58 49.9	0.560	1.350	42.1	19.8	116 E	76	5
9 13	22 33.91	+59 7.5	0.562	1.352	41.9	19.8	116 E	76	5
9 15	22 30.44	+59 21.0	0.563	1.353	41.7	19.8	116 E	76	5
9 17	22 27.09	+59 30.5	0.564	1.355	41.6	19.8	117 E	75	4
9 19	22 23.91	+59 36.2	0.566	1.357	41.4	19.8	117 E	75	4
9 21	22 20.92	+59 38.1	0.567	1.359	41.2	19.8	117 E	75	4
9 23	22 18.16	+59 36.5	0.569	1.361	41.0	19.9	117 E	75	4
9 25	22 15.66	+59 31.3	0.570	1.363	40.8	19.9	117 E	75	4
9 27	22 13.45	+59 22.8	0.572	1.365	40.6	19.9	118 E	76	5
9 29	22 11.55	+59 11.2	0.574	1.367	40.4	19.9	118 E	76	5
10 1	22 9.97	+58 56.4	0.576	1.370	40.2	19.9	118 E	76	5
10 3	22 8.74	+58 38.8	0.578	1.372	40.0	19.9	118 E	76	5
10 8	22 7.24	+57 43.2	0.583	1.378	39.4	19.9	119 E	77	6
10 13	22 8.01	+56 33.3	0.589	1.385	38.9	19.9	119 E	78	7
10 18	22 10.96	+55 11.5	0.596	1.393	38.4	19.9	120 E	80	9
10 23	22 15.92	+53 40.0	0.605	1.401	37.9	20.0	120 E	81	10
10 28	22 22.64	+52 0.5	0.614	1.409	37.4	20.0	121 E	83	12
11 2	22 30.92	+50 14.8	0.625	1.417	37.0	20.0	121 E	85	14
11 7	22 40.54	+48 24.7	0.639	1.426	36.7	20.1	121 E	87	16
11 12	22 51.26	+46 32.1	0.654	1.435	36.5	20.1	120 E	88	17
11 17	23 2.87	+44 38.9	0.672	1.445	36.4	20.2	120 E	90	19
11 22	23 15.15	+42 46.4	0.692	1.455	36.4	20.3	119 E	88	21
11 27	23 27.94	+40 56.2	0.715	1.465	36.5	20.4	118 E	86	23
12 2	23 41.10	+39 9.5	0.741	1.475	36.7	20.5	117 E	84	25*
12 7	23 54.52	+37 27.7	0.769	1.485	36.9	20.6	115 E	82	26*
12 12	0 8.11	+35 51.6	0.801	1.496	37.1	20.7	113 E	81	28*
12 17	0 21.77	+34 22.2	0.835	1.507	37.4	20.8	112 E	79	29*
12 22	0 35.44	+32 59.5	0.872	1.517	37.7	20.9	110 E	78	30*
12 27	0 49.06	+31 43.8	0.912	1.528	37.9	21.0	107 E	77	31*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
510996 2013 KA_3 *(continuation)*									
1 1	1 2.62	+30 35.1	0.954	1.539	38.1	21.2	105 E	76	32*
1 6	1 16.10	+29 33.1	0.999	1.550	38.2	21.3	103 E	75	32*
1 11	1 29.48	+28 37.7	1.046	1.561	38.3	21.4	101 E	74	33*
302119 2001 PF_{43}									
5 6	21 37.45	−15 23.6	1.526	1.736	35.3	21.4	84 W	20*	76*
5 16	21 59.93	−14 19.3	1.425	1.718	36.0	21.2	88 W	22*	78*
5 26	22 21.68	−13 17.8	1.328	1.702	36.5	21.1	92 W	23*	77
6 5	22 42.56	−12 22.3	1.235	1.688	36.6	20.9	97 W	25*	76
6 15	23 2.33	−11 36.6	1.147	1.677	36.4	20.7	102 W	28*	76
6 25	23 20.71	−11 4.5	1.064	1.669	35.7	20.5	107 W	30*	75
7 5	23 37.38	−10 49.9	0.986	1.663	34.5	20.3	112 W	32*	75
7 15	23 51.83	−10 56.4	0.915	1.659	32.6	20.1	118 W	34*	75
7 25	0 3.55	−11 26.8	0.852	1.659	30.1	19.9	125 W	34	75
8 4	0 11.99	−12 21.7	0.797	1.661	26.8	19.6	133 W	33	76
8 9	0 14.80	−12 57.9	0.774	1.663	24.8	19.5	136 W	32	77
8 14	0 16.60	−13 39.1	0.754	1.666	22.7	19.4	141 W	31	78
8 19	0 17.38	−14 24.0	0.737	1.669	20.4	19.3	145 W	31	78
8 24	0 17.14	−15 11.3	0.723	1.674	18.1	19.2	149 W	30	79
8 29	0 15.94	−15 59.3	0.714	1.678	15.7	19.0	153 W	29	80
9 3	0 13.85	−16 46.0	0.708	1.684	13.5	19.0	157 W	28	81
9 8	0 11.00	−17 29.2	0.707	1.690	11.6	18.9	160 W	28	81
9 13	0 7.60	−18 6.9	0.710	1.696	10.5	18.9	162 W	27	82
9 18	0 3.87	−18 36.9	0.718	1.704	10.2	18.9	163 W	26	83
9 23	0 0.05	−18 58.0	0.731	1.711	11.0	19.0	161 W	26	83
9 28	23 56.36	−19 9.3	0.748	1.720	12.4	19.1	158 E	26	83
10 3	23 53.02	−19 10.4	0.770	1.728	14.3	19.2	155 E	26	83
10 8	23 50.22	−19 1.4	0.796	1.738	16.4	19.4	151 E	26	83
10 13	23 48.09	−18 42.7	0.827	1.748	18.4	19.5	146 E	26	83
10 18	23 46.75	−18 15.0	0.861	1.758	20.3	19.7	142 E	27	82
10 23	23 46.24	−17 39.5	0.899	1.769	22.1	19.9	138 E	27	82
10 28	23 46.54	−16 57.1	0.941	1.780	23.8	20.0	134 E	28	81
11 2	23 47.67	−16 8.9	0.986	1.791	25.2	20.2	130 E	29	80
11 7	23 49.57	−15 15.6	1.034	1.803	26.4	20.3	126 E	30	79
11 12	23 52.22	−14 18.1	1.085	1.816	27.5	20.5	122 E	31	78
11 17	23 55.55	−13 17.1	1.138	1.828	28.4	20.6	118 E	32	77
11 22	23 59.50	−12 13.4	1.193	1.841	29.1	20.8	115 E	33	76
11 27	0 4.01	−11 7.4	1.251	1.854	29.7	20.9	111 E	34	75
12 2	0 9.02	− 9 59.7	1.310	1.868	30.1	21.0	108 E	35	74
12 7	0 14.49	− 8 50.5	1.371	1.881	30.4	21.2	105 E	36	73
12 12	0 20.37	− 7 40.3	1.434	1.895	30.6	21.3	102 E	37	71*
12 17	0 26.62	− 6 29.3	1.498	1.910	30.6	21.4	98 E	39	69*
517594 2014 WX_{199}									
5 6	21 51.26	−31 28.2	4.234	4.291	13.6	21.5	86 W	5*	77*
5 16	21 57.43	−31 36.0	4.087	4.286	13.6	21.4	94 W	6*	83*
5 26	22 2.24	−31 51.7	3.943	4.281	13.3	21.3	103 W	8*	84
6 5	22 5.57	−32 15.5	3.804	4.276	12.8	21.2	111 W	10*	84
6 15	22 7.28	−32 46.7	3.675	4.271	11.9	21.1	120 W	11*	83
6 25	22 7.26	−33 24.1	3.559	4.267	10.7	21.0	129 W	11*	83
7 5	22 5.49	−34 5.6	3.459	4.262	9.3	20.9	137 W	11	82
7 15	22 2.02	−34 48.3	3.380	4.258	7.7	20.7	146 W	10	81
7 25	21 57.03	−35 28.3	3.324	4.254	6.2	20.6	153 W	10	81
8 4	21 50.86	−36 2.0	3.294	4.250	5.2	20.6	158 W	9	80
8 14	21 44.00	−36 25.7	3.290	4.246	5.1	20.6	158 W	9	80
8 24	21 37.04	−36 36.6	3.314	4.243	6.1	20.6	153 E	8	79
9 3	21 30.56	−36 33.7	3.364	4.239	7.6	20.7	146 E	8	79
9 13	21 25.12	−36 16.9	3.437	4.236	9.2	20.8	138 E	9	80
9 23	21 21.13	−35 47.3	3.532	4.233	10.7	20.9	129 E	9	80
10 3	21 18.83	−35 6.8	3.645	4.230	11.9	21.1	120 E	10	81
10 13	21 18.34	−34 17.4	3.771	4.227	12.8	21.2	111 E	11	82
10 23	21 19.63	−33 20.9	3.906	4.224	13.3	21.3	102 E	12	83
11 2	21 22.59	−32 18.9	4.048	4.222	13.6	21.3	93 E	13	84*
11 12	21 27.06	−31 12.6	4.192	4.220	13.5	21.4	85 E	14	79*
11 22	21 32.86	−30 2.8	4.335	4.218	13.2	21.5	77 E	15	70*
216639 2003 GK_{21}									
5 6	21 52.05	−18 39.2	1.994	2.099	28.4	21.4	82 W	16*	75*
5 16	22 8.46	−17 50.2	1.852	2.068	29.2	21.2	87 W	18*	80*
5 26	22 24.06	−17 6.2	1.712	2.036	29.8	21.0	93 W	20*	81
6 5	22 38.72	−16 29.5	1.574	2.004	30.0	20.8	99 W	22*	80
6 15	22 52.24	−16 3.1	1.440	1.971	29.8	20.6	105 W	25*	80
6 25	23 4.34	−15 49.8	1.311	1.937	29.1	20.3	112 W	27*	80
7 5	23 14.72	−15 52.9	1.189	1.903	27.8	20.0	119 W	28*	80
7 15	23 22.89	−16 15.5	1.076	1.869	25.9	19.7	127 W	29*	80
7 25	23 28.37	−16 59.8	0.973	1.835	23.2	19.4	135 W	28	81
8 4	23 30.60	−18 6.2	0.883	1.801	19.7	19.0	143 W	27	82
8 9	23 30.32	−18 46.9	0.843	1.784	17.7	18.8	148 W	26	83
8 14	23 29.06	−19 31.4	0.807	1.767	15.6	18.6	152 W	25	84
8 19	23 26.84	−20 18.4	0.776	1.750	13.4	18.4	156 W	25	84

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
216639 2003 GK_{21} *(continuation)*									
8 24	23 23.68	−21 6.1	0.749	1.734	11.5	18.3	160 W	24	85
8 29	23 19.67	−21 52.6	0.727	1.717	10.1	18.1	163 W	23	86
9 3	23 14.95	−22 35.5	0.709	1.701	9.6	18.0	164 W	22	87
9 8	23 9.73	−23 12.5	0.697	1.685	10.3	18.0	163 W	22	87
9 13	23 4.28	−23 41.3	0.689	1.669	12.1	18.0	160 E	21	88
9 18	22 58.89	−24 0.1	0.686	1.654	14.5	18.1	156 E	21	88
9 23	22 53.86	−24 7.9	0.687	1.639	17.2	18.2	151 E	21	88
9 28	22 49.45	−24 4.1	0.692	1.624	20.0	18.3	146 E	21	88
10 3	22 45.88	−23 48.8	0.701	1.609	22.8	18.3	142 E	21	88
10 8	22 43.33	−23 22.4	0.713	1.595	25.4	18.4	137 E	22	87
10 13	22 41.93	−22 45.6	0.728	1.582	27.8	18.5	132 E	22	87
10 18	22 41.73	−21 59.4	0.745	1.569	30.1	18.6	128 E	23	86
10 23	22 42.72	−21 4.8	0.765	1.556	32.1	18.7	124 E	24	85
10 28	22 44.86	−20 2.9	0.786	1.544	33.9	18.8	120 E	25	84
11 2	22 48.09	−18 54.4	0.810	1.533	35.5	18.9	116 E	26	83
11 7	22 52.35	−17 40.0	0.834	1.523	36.9	19.0	113 E	27	82
11 12	22 57.57	−16 20.4	0.859	1.513	38.1	19.1	110 E	29	80
11 17	23 3.64	−14 56.2	0.886	1.503	39.1	19.2	107 E	30	79
11 22	23 10.48	−13 28.0	0.913	1.495	39.9	19.3	104 E	32	77
11 27	23 18.02	−11 56.1	0.941	1.487	40.7	19.3	101 E	33	76*
12 2	23 26.19	−10 21.1	0.970	1.480	41.2	19.4	98 E	35	74*
12 12	23 44.21	− 7 3.0	1.029	1.469	42.0	19.5	94 E	38	68*
12 22	0 4.10	− 3 37.0	1.090	1.461	42.3	19.7	89 E	41	61*
1 1	0 25.55	− 0 6.7	1.154	1.458	42.3	19.8	86 E	45	55*
1 11	0 48.38	+ 3 24.6	1.220	1.457	41.9	19.9	82 E	48	50*
1 21	1 12.43	+ 6 53.2	1.289	1.461	41.3	20.0	79 E	52*	45*
203272 2001 RL_6									
5 6	21 55.84	−17 21.3	2.024	2.105	28.2	21.5	80 W	17*	74*
5 16	22 12.19	−15 57.2	1.885	2.073	29.1	21.3	86 W	19*	78*
5 26	22 27.64	−14 33.0	1.747	2.041	29.7	21.2	91 W	22*	79*
6 5	22 42.06	−13 10.3	1.612	2.009	30.1	21.0	97 W	25*	77
6 15	22 55.23	−11 50.9	1.480	1.978	30.0	20.7	103 W	28*	76
6 25	23 6.91	−10 36.4	1.353	1.947	29.5	20.5	110 W	32*	75
7 5	23 16.77	− 9 28.6	1.233	1.916	28.4	20.2	116 W	35*	73
7 15	23 24.39	− 8 29.7	1.120	1.886	26.6	19.9	124 W	37*	72
7 25	23 29.31	− 7 41.3	1.018	1.857	24.0	19.6	132 W	37	72
8 4	23 31.08	− 7 4.8	0.927	1.829	20.5	19.3	141 W	38	71
8 14	23 29.31	− 6 40.7	0.850	1.803	16.0	18.9	151 W	38	71
8 24	23 24.03	− 6 27.7	0.789	1.777	10.4	18.5	161 W	39	70
9 3	23 15.81	− 6 22.0	0.748	1.753	4.1	18.1	173 W	39	70
9 8	23 10.97	− 6 20.2	0.735	1.742	0.8	17.8	179 W	39	70
9 13	23 5.96	− 6 18.0	0.727	1.731	2.9	17.9	175 E	39	70
9 18	23 1.02	− 6 14.3	0.724	1.721	6.4	18.1	169 E	39	70
9 23	22 56.42	− 6 8.4	0.726	1.711	9.8	18.2	163 E	39	70
9 28	22 52.37	− 5 59.6	0.733	1.702	13.1	18.3	157 E	39	70
10 3	22 49.08	− 5 47.6	0.745	1.693	16.3	18.5	152 E	39	70
10 13	22 45.33	− 5 11.9	0.780	1.678	21.9	18.7	141 E	40	69
10 23	22 45.85	− 4 19.7	0.828	1.665	26.5	19.0	132 E	41	68
11 2	22 50.55	− 3 11.6	0.888	1.655	30.1	19.2	123 E	42	67
11 12	22 59.06	− 1 48.3	0.955	1.647	32.8	19.5	116 E	43	66
11 22	23 10.83	− 0 11.3	1.030	1.642	34.7	19.7	109 E	45	64
12 2	23 25.27	+ 1 37.3	1.109	1.640	35.9	19.9	103 E	47	62*
12 12	23 41.90	+ 3 35.9	1.193	1.641	36.5	20.0	97 E	49	58*
12 22	0 0.31	+ 5 42.2	1.280	1.645	36.7	20.2	92 E	51	53*
1 1	0 20.16	+ 7 53.5	1.371	1.652	36.5	20.4	88 E	53	48*
1 11	0 41.23	+10 7.6	1.464	1.662	36.0	20.5	83 E	55	43*
1 21	1 3.31	+12 21.8	1.560	1.674	35.2	20.6	79 E	57*	39*
488602 2002 RV_{49}									
5 6	21 58.38	−20 29.5	1.503	1.672	36.6	21.4	81 W	14*	75*
5 16	22 22.54	−18 32.5	1.407	1.651	37.5	21.2	84 W	15*	78*
5 26	22 45.77	−16 28.9	1.315	1.633	38.3	21.1	88 W	18*	79*
6 5	23 7.95	−14 20.7	1.227	1.617	38.8	20.9	92 W	21*	78
6 15	23 28.88	−12 10.6	1.143	1.604	39.1	20.8	96 W	25*	76
6 25	23 48.34	−10 1.0	1.063	1.593	38.9	20.6	100 W	29*	74
7 5	0 6.06	− 7 54.0	0.988	1.585	38.4	20.4	105 W	33*	72
7 15	0 21.64	− 5 52.3	0.916	1.581	37.3	20.2	110 W	37*	70
7 25	0 34.61	− 3 57.8	0.850	1.580	35.5	20.0	115 W	41*	68
8 4	0 44.43	− 2 12.3	0.790	1.582	33.0	19.8	122 W	43	66
8 14	0 50.46	− 0 37.7	0.736	1.587	29.5	19.5	130 W	44	65
8 24	0 52.18	+ 0 44.7	0.691	1.595	25.0	19.3	138 W	46	63
9 3	0 49.38	+ 1 54.1	0.658	1.606	19.3	19.0	148 W	47	62
9 13	0 42.39	+ 2 49.9	0.639	1.620	12.7	18.7	159 W	48	61
9 23	0 32.51	+ 3 33.9	0.637	1.636	5.5	18.4	171 W	49	60
10 3	0 21.73	+ 4 8.9	0.655	1.655	2.1	18.3	177 E	49	60
10 8	0 16.70	+ 4 24.6	0.672	1.665	5.6	18.6	171 E	49	60
10 13	0 12.25	+ 4 40.0	0.693	1.676	9.0	18.8	165 E	50	59
10 18	0 8.59	+ 4 55.9	0.719	1.688	12.2	19.1	159 E	50	59
10 23	0 5.83	+ 5 12.9	0.750	1.700	15.1	19.3	154 E	50	59

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
488602 2002 RV_{49} *(continuation)*									
11 2	0 3.26	+ 5 51.8	0.824	1.725	20.1	19.7	143 E	51	58
11 12	0 4.66	+ 6 39.5	0.913	1.751	24.0	20.0	134 E	52	57
11 22	0 9.67	+ 7 36.9	1.015	1.780	26.9	20.4	125 E	53	56
12 2	0 17.70	+ 8 43.5	1.127	1.809	28.9	20.7	118 E	54	55
12 12	0 28.23	+ 9 58.4	1.247	1.839	30.1	21.0	110 E	55	54*
12 22	0 40.77	+11 20.1	1.374	1.870	30.7	21.3	104 E	56	52*
396810 2004 PS_{100}									
5 6	22 28.73	−11 31.7	1.767	1.723	33.6	21.4	71 W	17*	64*
5 16	22 51.78	− 8 40.1	1.658	1.689	35.1	21.3	74 W	20*	66*
5 26	23 14.59	− 5 38.2	1.554	1.658	36.6	21.1	77 W	23*	66*
6 5	23 37.20	− 2 27.2	1.454	1.629	37.9	21.0	80 W	27*	66*
6 15	23 59.61	+ 0 51.2	1.359	1.603	39.0	20.8	84 W	32*	63*
6 25	0 21.77	+ 4 15.1	1.269	1.580	40.0	20.7	87 W	37*	60
7 5	0 43.67	+ 7 42.6	1.185	1.560	40.7	20.5	90 W	43*	56
7 15	1 5.18	+11 10.9	1.106	1.543	41.1	20.4	93 W	50*	53
7 25	1 26.11	+14 37.6	1.033	1.530	41.2	20.2	97 W	56*	49
7 30	1 36.30	+16 19.5	0.999	1.525	41.2	20.1	98 W	59*	48
8 4	1 46.24	+18 0.0	0.966	1.522	41.0	20.0	100 W	62*	46
8 9	1 55.86	+19 38.7	0.933	1.519	40.7	20.0	102 W	64*	44
8 14	2 5.12	+21 15.2	0.903	1.517	40.3	19.9	105 W	66*	43
8 19	2 13.93	+22 49.1	0.873	1.516	39.7	19.8	107 W	68	41
8 24	2 22.23	+24 20.3	0.845	1.516	39.0	19.7	109 W	69	40
8 29	2 29.93	+25 48.2	0.818	1.518	38.2	19.6	112 W	71	38
9 3	2 36.91	+27 12.4	0.793	1.520	37.1	19.5	115 W	72	37
9 8	2 43.06	+28 32.5	0.769	1.524	35.9	19.4	117 W	74	35
9 13	2 48.27	+29 47.9	0.746	1.528	34.5	19.3	121 W	75	34
9 18	2 52.44	+30 57.9	0.726	1.533	32.9	19.2	124 W	76	33
9 23	2 55.47	+32 1.9	0.707	1.540	31.1	19.1	128 W	77	32
9 28	2 57.27	+32 59.0	0.690	1.547	29.1	19.0	131 W	78	31
10 3	2 57.79	+33 48.1	0.675	1.556	26.9	18.9	135 W	79	30
10 8	2 57.00	+34 27.9	0.664	1.565	24.4	18.8	140 W	79	30
10 13	2 54.99	+34 57.3	0.655	1.575	21.9	18.7	144 W	80	29
10 18	2 51.90	+35 15.3	0.649	1.586	19.3	18.6	148 W	80	29
10 23	2 47.93	+35 21.4	0.647	1.598	16.7	18.6	153 W	80	29
10 28	2 43.37	+35 15.3	0.649	1.610	14.3	18.5	156 W	80	29
11 2	2 38.52	+34 57.4	0.656	1.623	12.3	18.5	160 W	80	29
11 7	2 33.72	+34 28.8	0.667	1.637	11.1	18.5	161 E	79	30
11 12	2 29.32	+33 51.4	0.683	1.652	10.9	18.5	162 E	79	30
11 17	2 25.60	+33 7.7	0.703	1.667	11.7	18.7	160 E	78	31
11 22	2 22.75	+32 20.1	0.728	1.682	13.2	18.8	157 E	77	32
11 27	2 20.89	+31 30.8	0.758	1.698	15.1	19.0	153 E	77	32
12 2	2 20.08	+30 42.1	0.792	1.715	17.1	19.2	149 E	76	33
12 7	2 20.35	+29 55.7	0.830	1.732	19.1	19.4	145 E	75	34
12 12	2 21.67	+29 12.8	0.873	1.749	20.9	19.5	141 E	74	35
12 17	2 23.98	+28 34.5	0.919	1.767	22.6	19.7	136 E	74	35
12 22	2 27.20	+28 1.1	0.969	1.785	24.1	19.9	132 E	73	36
12 27	2 31.24	+27 32.6	1.022	1.804	25.4	20.1	128 E	73	36
1 1	2 36.02	+27 9.0	1.079	1.823	26.5	20.3	124 E	72	37
1 6	2 41.49	+26 50.1	1.138	1.841	27.4	20.4	120 E	72	37
1 11	2 47.55	+26 35.6	1.199	1.861	28.2	20.6	117 E	72	37
1 16	2 54.15	+26 24.9	1.263	1.880	28.8	20.7	113 E	71	38*
1 21	3 1.22	+26 17.6	1.329	1.899	29.2	20.9	110 E	71	37*
337228 2000 FL_1									
5 6	22 34.56	−44 44.1	3.168	3.231	18.1	21.4	84 W	—	63*
5 16	22 48.94	−45 55.3	3.007	3.187	18.5	21.3	91 W	—	66*
5 26	23 2.72	−47 22.8	2.852	3.142	18.7	21.1	97 W	—	67*
6 5	23 15.75	−49 7.8	2.704	3.095	18.6	21.0	103 W	—	67*
6 15	23 27.77	−51 11.3	2.565	3.048	18.4	20.8	109 W	—	65
6 25	23 38.43	−53 32.7	2.440	2.999	18.0	20.7	114 W	—	62
7 5	23 47.26	−56 10.1	2.329	2.950	17.7	20.5	118 W	—	60
7 15	23 53.56	−58 59.7	2.234	2.899	17.4	20.4	122 W	—	57
7 20	23 55.49	−60 27.1	2.194	2.873	17.3	20.3	123 W	—	56
7 25	23 56.44	−61 54.9	2.157	2.847	17.3	20.3	124 W	—	54
7 30	23 56.26	−63 22.0	2.126	2.821	17.4	20.2	124 W	—	53
8 4	23 54.78	−64 47.1	2.098	2.795	17.5	20.2	124 W	—	51
8 9	23 51.83	−66 8.7	2.075	2.768	17.8	20.1	124 W	—	50
8 14	23 47.29	−67 24.9	2.057	2.741	18.1	20.1	123 W	—	49
8 19	23 41.07	−68 34.1	2.042	2.713	18.5	20.1	122 W	—	47
8 24	23 33.16	−69 34.7	2.031	2.686	19.0	20.1	120 W	—	46
8 29	23 23.68	−70 25.0	2.024	2.658	19.5	20.0	118 W	—	46
9 3	23 12.86	−71 3.6	2.020	2.629	20.1	20.0	116 W	—	45
9 5	23 8.25	−71 15.5	2.019	2.618	20.3	20.0	116 W	—	45
9 7	23 3.52	−71 25.3	2.019	2.607	20.6	20.0	115 W	—	45
9 9	22 58.73	−71 32.9	2.019	2.595	20.8	20.0	114 E	—	44
9 11	22 53.89	−71 38.3	2.019	2.584	21.0	20.0	113 E	—	44
9 13	22 49.07	−71 41.6	2.020	2.572	21.3	20.0	112 E	—	44
9 15	22 44.30	−71 42.6	2.022	2.561	21.5	20.0	111 E	—	44
9 17	22 39.61	−71 41.6	2.023	2.549	21.7	20.0	110 E	—	44

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
337228 2000 FL_1 *(continuation)*									
9 19	22 35.05	−71 38.4	2.025	2.538	22.0	20.0	109 E	—	44
9 21	22 30.65	−71 33.3	2.027	2.526	22.2	20.0	108 E	—	44
9 23	22 26.44	−71 26.1	2.030	2.514	22.4	20.0	107 E	—	45
9 25	22 22.46	−71 17.0	2.033	2.502	22.7	20.0	106 E	—	45
9 27	22 18.72	−71 6.0	2.035	2.491	22.9	20.0	105 E	—	45
9 29	22 15.24	−70 53.2	2.039	2.479	23.1	20.0	104 E	—	45
10 1	22 12.05	−70 38.8	2.042	2.467	23.3	20.0	103 E	—	45
10 3	22 9.16	−70 22.7	2.045	2.455	23.5	20.0	102 E	—	46
10 8	22 3.25	−69 35.9	2.055	2.425	24.0	20.0	99 E	—	46
10 13	21 59.28	−68 40.8	2.065	2.395	24.4	20.0	97 E	—	47
10 18	21 57.16	−67 38.4	2.075	2.365	24.9	20.0	94 E	—	48
10 23	21 56.75	−66 29.7	2.086	2.334	25.2	20.0	92 E	—	50
10 28	21 57.87	−65 15.5	2.096	2.303	25.6	20.0	89 E	—	51
11 2	22 0.35	−63 56.3	2.106	2.272	25.8	20.0	86 E	—	52
11 7	22 4.02	−62 32.4	2.115	2.241	26.1	20.0	84 E	—	53
11 12	22 8.74	−61 4.3	2.124	2.210	26.3	20.0	82 E	—	55*
11 17	22 14.33	−59 32.1	2.132	2.179	26.5	19.9	79 E	—	56*
11 22	22 20.66	−57 56.1	2.140	2.147	26.6	19.9	77 E	—	57*
11 27	22 27.63	−56 16.1	2.146	2.115	26.8	19.9	75 E	—	58*
12 2	22 35.13	−54 32.3	2.152	2.084	26.9	19.9	73 E	—	59*
12 7	22 43.10	−52 44.7	2.156	2.052	26.9	19.8	71 E	—	59*
12 12	22 51.45	−50 53.2	2.160	2.020	27.0	19.8	69 E	—	58*
12 17	23 0.12	−48 58.0	2.163	1.988	27.0	19.8	67 E	—	58*
12 22	23 9.06	−46 59.0	2.165	1.956	27.0	19.7	65 E	—	57*
12 27	23 18.22	−44 56.1	2.166	1.924	27.0	19.7	63 E	—	56*
1 1	23 27.59	−42 49.5	2.167	1.892	27.0	19.7	61 E	2*	54*
1 6	23 37.12	−40 39.1	2.167	1.861	26.9	19.6	59 E	4*	53*
1 11	23 46.80	−38 25.1	2.166	1.829	26.8	19.6	57 E	6*	51*
1 16	23 56.61	−36 7.5	2.166	1.798	26.7	19.6	55 E	8*	49*
1 21	0 6.52	−33 46.6	2.165	1.767	26.6	19.5	54 E	9*	47*
495848 2002 QD_7									
5 6	22 44.64	+ 2 53.1	1.582	1.424	38.8	21.3	62 W	26*	51*
5 16	23 20.35	+ 6 23.5	1.459	1.331	42.2	21.1	62 W	27*	50*
5 26	0 0.28	+10 6.4	1.356	1.238	45.7	20.9	61 W	28*	47*
6 5	0 45.12	+13 50.1	1.276	1.148	49.2	20.7	59 W	28*	44*
6 15	1 35.04	+17 16.1	1.222	1.063	52.2	20.5	56 W	28*	40*
6 20	2 1.75	+18 45.1	1.206	1.023	53.5	20.4	54 W	28*	38*
6 25	2 29.42	+20 0.9	1.198	0.987	54.4	20.3	52 W	28*	36*
6 30	2 57.80	+21 1.1	1.197	0.953	55.0	20.3	50 W	27*	34*
7 5	3 26.62	+21 43.9	1.204	0.923	55.2	20.2	48 W	27*	32*
7 10	3 55.53	+22 8.4	1.218	0.898	55.0	20.2	46 W	26*	31*
7 15	4 24.21	+22 14.8	1.237	0.878	54.3	20.2	45 W	26*	29*
7 20	4 52.38	+22 3.8	1.263	0.864	53.1	20.1	43 W	25*	28*
7 25	5 19.78	+21 37.1	1.293	0.856	51.7	20.1	41 W	24*	27*
7 30	5 46.23	+20 56.7	1.328	0.854	49.9	20.1	40 W	24*	26*
8 4	6 11.59	+20 4.8	1.365	0.859	47.9	20.1	39 W	23*	25*
8 9	6 35.78	+19 3.5	1.404	0.871	45.9	20.2	38 W	23*	24*
8 14	6 58.75	+17 54.8	1.445	0.888	43.8	20.2	37 W	23*	24*
8 19	7 20.50	+16 40.7	1.487	0.911	41.9	20.3	37 W	23*	24*
8 24	7 41.04	+15 22.7	1.528	0.939	40.1	20.4	37 W	23*	23*
8 29	8 0.43	+14 2.3	1.569	0.971	38.5	20.5	37 W	23*	23*
9 3	8 18.71	+12 40.5	1.608	1.006	37.1	20.5	37 W	24*	23*
9 8	8 35.96	+11 18.2	1.646	1.044	35.9	20.6	37 W	24*	24*
9 13	8 52.22	+ 9 56.2	1.682	1.085	34.9	20.7	38 W	25*	24*
9 18	9 7.56	+ 8 35.0	1.716	1.128	34.0	20.8	39 W	26*	25*
9 23	9 22.04	+ 7 15.1	1.748	1.172	33.4	21.0	40 W	27*	25*
9 28	9 35.73	+ 5 56.9	1.777	1.217	32.8	21.1	41 W	28*	26*
10 3	9 48.68	+ 4 40.5	1.803	1.263	32.4	21.2	43 W	29*	27*
10 8	10 0.92	+ 3 26.2	1.825	1.309	32.1	21.3	44 W	30*	28*
10 13	10 12.50	+ 2 14.1	1.845	1.356	31.9	21.3	46 W	31*	29*
10 18	10 23.45	+ 1 4.5	1.861	1.403	31.8	21.4	48 W	33*	31*
387826 2004 GD_{39}									
5 6	22 46.64	−13 59.0	1.836	1.728	32.7	21.5	68 W	13*	62*
5 16	23 8.00	−12 24.7	1.772	1.747	33.4	21.5	72 W	14*	65*
5 26	23 27.97	−10 56.1	1.706	1.768	33.8	21.4	76 W	17*	69*
6 5	23 46.45	− 9 35.6	1.638	1.791	34.0	21.4	81 W	20*	71*
6 15	0 3.28	− 8 25.9	1.568	1.815	33.9	21.3	86 W	24*	72*
6 25	0 18.26	− 7 29.2	1.497	1.841	33.5	21.2	92 W	28*	71
7 5	0 31.16	− 6 47.7	1.426	1.868	32.6	21.1	98 W	32*	71
7 15	0 41.63	− 6 23.5	1.355	1.895	31.2	21.0	105 W	36*	70
7 25	0 49.29	− 6 18.0	1.287	1.924	29.1	20.8	113 W	38*	70
8 4	0 53.78	− 6 31.8	1.225	1.953	26.4	20.7	121 W	38	71
8 14	0 54.71	− 7 4.4	1.170	1.982	22.9	20.5	130 W	38	71
8 24	0 51.93	− 7 52.8	1.128	2.012	18.7	20.3	140 W	37	72
8 29	0 49.19	− 8 21.1	1.112	2.027	16.4	20.2	146 W	37	72
9 3	0 45.61	− 8 51.0	1.101	2.042	13.9	20.2	151 W	36	73
9 8	0 41.30	− 9 21.2	1.095	2.057	11.5	20.1	156 W	36	73
9 13	0 36.40	− 9 50.3	1.094	2.072	9.1	20.0	161 W	35	74

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
387826 2004 GD_{39} *(continuation)*									
9 18	0 31.09	−10 17.1	1.100	2.087	7.1	19.9	165 W	35	74
9 23	0 25.56	−10 40.3	1.111	2.102	5.9	19.9	168 W	34	75
9 28	0 20.00	−10 58.9	1.128	2.117	6.1	20.0	167 W	34	75
10 3	0 14.62	−11 12.1	1.152	2.132	7.4	20.1	164 E	34	75
10 13	0 5.06	−11 20.7	1.218	2.162	11.4	20.4	155 E	34	75
10 23	23 58.02	−11 5.0	1.305	2.192	15.3	20.7	144 E	34	75
11 2	23 54.00	−10 27.5	1.412	2.221	18.7	21.0	134 E	35	74
11 12	23 53.10	− 9 31.9	1.534	2.250	21.2	21.3	125 E	35	74
187040 2005 JS_{108}									
5 6	22 51.78	− 6 38.2	1.056	1.090	56.1	21.4	64 W	18*	56*
5 11	23 14.24	− 4 51.2	1.041	1.067	57.3	21.4	63 W	18*	55*
5 16	23 36.94	− 2 59.9	1.030	1.044	58.3	21.4	62 W	17*	54*
5 21	23 59.83	− 1 5.8	1.023	1.023	59.3	21.3	60 W	17*	53*
5 26	0 22.85	+ 0 49.7	1.021	1.003	60.1	21.3	59 W	17*	51*
5 31	0 45.94	+ 2 45.1	1.022	0.985	60.6	21.3	58 W	18*	49*
6 5	1 9.06	+ 4 38.7	1.028	0.969	61.0	21.3	57 W	18*	48*
6 10	1 32.15	+ 6 29.2	1.037	0.954	61.1	21.3	55 W	18*	46*
6 15	1 55.15	+ 8 14.9	1.050	0.942	61.0	21.3	54 W	19*	45*
6 20	2 18.01	+ 9 54.9	1.066	0.932	60.7	21.3	53 W	19*	43*
6 25	2 40.71	+11 27.9	1.084	0.925	60.2	21.3	52 W	20*	41*
6 30	3 3.21	+12 53.4	1.105	0.921	59.4	21.3	51 W	21*	40*
7 5	3 25.48	+14 10.7	1.127	0.919	58.5	21.3	50 W	22*	39*
7 10	3 47.48	+15 19.2	1.151	0.920	57.5	21.3	50 W	23*	37*
7 15	4 9.16	+16 18.7	1.175	0.924	56.4	21.3	49 W	24*	36*
7 20	4 30.49	+17 9.0	1.200	0.930	55.3	21.3	49 W	26*	35*
7 25	4 51.44	+17 50.3	1.224	0.940	54.1	21.4	49 W	27*	34*
7 30	5 11.98	+18 22.7	1.248	0.951	52.9	21.4	48 W	28*	33*
8 4	5 32.08	+18 46.4	1.272	0.965	51.7	21.5	48 W	29*	32*
8 9	5 51.71	+19 1.8	1.294	0.981	50.7	21.5	48 W	31*	32*
408751 1987 SF_3									
5 6	23 6.37	− 2 33.9	1.190	1.090	52.3	21.5	59 W	19*	51*
5 11	23 27.69	− 0 26.8	1.189	1.075	52.7	21.5	58 W	19*	50*
5 16	23 48.77	+ 1 39.2	1.192	1.063	52.9	21.5	57 W	19*	49*
5 21	0 9.56	+ 3 42.4	1.198	1.055	52.9	21.5	56 W	19*	47*
5 26	0 30.04	+ 5 41.4	1.208	1.050	52.8	21.5	56 W	20*	46*
5 31	0 50.18	+ 7 35.0	1.220	1.048	52.4	21.5	55 W	20*	45*
6 5	1 9.96	+ 9 22.2	1.235	1.050	52.0	21.5	55 W	21*	44*
100004 1983 VA									
5 6	23 11.83	−18 53.7	2.667	2.413	22.2	21.4	65 W	5*	58*
5 16	23 28.42	−18 0.4	2.473	2.332	24.1	21.2	70 W	7*	64*
5 26	23 45.36	−17 10.3	2.277	2.248	25.9	21.0	75 W	9*	69*
6 5	0 2.77	−16 24.3	2.081	2.162	27.6	20.8	81 W	12*	74*
6 15	0 20.77	−15 43.7	1.886	2.073	29.2	20.5	86 W	15*	78*
6 25	0 39.56	−15 9.5	1.694	1.982	30.8	20.3	90 W	19*	79*
7 5	0 59.43	−14 42.8	1.507	1.889	32.4	19.9	95 W	22*	79
7 15	1 20.73	−14 24.8	1.327	1.792	34.1	19.6	99 W	25*	78
7 25	1 44.01	−14 15.9	1.155	1.694	35.9	19.2	102 W	27*	78
7 30	1 56.65	−14 14.8	1.073	1.644	36.9	19.0	104 W	28*	78
8 4	2 10.13	−14 15.8	0.994	1.593	38.0	18.8	105 W	29*	78
8 9	2 24.60	−14 18.5	0.918	1.542	39.3	18.6	106 W	29*	78
8 14	2 40.28	−14 22.4	0.845	1.490	40.7	18.4	106 W	30*	78
8 19	2 57.43	−14 26.5	0.775	1.438	42.5	18.2	106 W	30*	78
8 24	3 16.38	−14 29.1	0.710	1.385	44.6	18.0	106 W	30*	78
8 29	3 37.51	−14 28.4	0.649	1.333	47.1	17.8	105 W	30*	78
9 3	4 1.27	−14 21.4	0.592	1.280	50.1	17.6	103 W	30*	78
9 8	4 28.12	−14 4.1	0.541	1.228	53.8	17.4	101 W	31*	78
9 13	4 58.51	−13 31.1	0.497	1.175	58.2	17.2	97 W	31*	78
9 18	5 32.72	−12 36.1	0.459	1.124	63.3	17.1	93 W	32*	76*
9 23	6 10.69	−11 13.6	0.431	1.073	69.1	17.1	87 W	33*	73*
9 28	6 51.77	− 9 21.6	0.413	1.024	75.3	17.1	81 W	34*	67*
10 3	7 34.63	− 7 3.9	0.406	0.977	81.4	17.1	75 W	35*	61*
10 5	7 51.90	− 6 3.8	0.407	0.959	83.8	17.2	72 W	36*	58*
10 7	8 9.06	− 5 2.2	0.409	0.941	85.9	17.2	70 W	36*	55*
10 9	8 26.01	− 4 0.1	0.413	0.924	88.0	17.3	68 W	36*	52*
10 11	8 42.64	− 2 58.4	0.419	0.908	89.8	17.4	65 W	37*	50*
10 13	8 58.89	− 1 58.2	0.427	0.892	91.3	17.4	63 W	37*	47*
10 15	9 14.68	− 1 0.2	0.437	0.877	92.6	17.5	61 W	37*	44*
10 17	9 29.97	− 0 5.2	0.448	0.862	93.6	17.6	60 W	38*	42*
10 19	9 44.74	+ 0 46.1	0.461	0.849	94.3	17.6	58 W	38*	40*
10 21	9 58.97	+ 1 33.4	0.475	0.836	94.8	17.7	57 W	38*	38*
10 23	10 12.65	+ 2 16.3	0.491	0.824	94.9	17.7	56 W	38*	36*
10 28	10 44.57	+ 3 43.6	0.535	0.800	94.1	17.8	53 W	39*	31*
11 2	11 13.45	+ 4 42.5	0.585	0.783	91.9	17.9	52 W	39*	28*
11 7	11 39.69	+ 5 15.5	0.639	0.774	88.5	17.9	51 W	40*	26*
11 12	12 3.67	+ 5 26.0	0.696	0.773	84.5	17.9	51 W	40*	24*
11 17	12 25.72	+ 5 18.4	0.754	0.782	80.1	18.0	51 W	41*	23*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
100004 1983 VA *(continuation)*									
11 22	12 46.11	+ 4 56.8	0.811	0.798	75.7	18.0	52 W	41*	23*
11 27	13 5.02	+ 4 25.3	0.867	0.822	71.4	18.1	52 W	41*	23*
12 2	13 22.60	+ 3 47.5	0.920	0.853	67.4	18.1	53 W	42*	24*
12 7	13 38.96	+ 3 6.5	0.970	0.889	63.8	18.2	54 W	42*	25*
12 12	13 54.18	+ 2 24.7	1.016	0.929	60.6	18.3	55 W	42*	26*
12 17	14 8.33	+ 1 43.8	1.058	0.973	57.8	18.4	57 W	43*	28*
12 22	14 21.50	+ 1 5.1	1.096	1.020	55.3	18.6	58 W	43*	30*
12 27	14 33.73	+ 0 29.6	1.128	1.069	53.1	18.7	60 W	43*	33*
1 1	14 45.06	− 0 2.1	1.157	1.120	51.2	18.8	62 W	43*	36*
1 6	14 55.51	− 0 29.6	1.180	1.171	49.4	18.8	65 W	43*	39*
1 11	15 5.09	− 0 52.7	1.200	1.223	47.9	18.9	67 W	43*	42*
1 16	15 13.81	− 1 11.2	1.215	1.276	46.4	19.0	70 W	43*	45*
1 21	15 21.68	− 1 25.2	1.225	1.328	45.1	19.1	73 W	43*	48*
316934 2001 AA_{52}									
5 6	23 11.85	− 9 19.9	2.461	2.146	24.1	21.4	60 W	12*	54*
5 16	23 29.24	− 7 13.1	2.330	2.112	25.7	21.3	65 W	15*	58*
5 26	23 46.31	− 5 3.9	2.197	2.079	27.2	21.2	70 W	19*	61*
6 5	0 3.06	− 2 52.8	2.063	2.045	28.6	21.1	75 W	23*	64*
6 15	0 19.43	− 0 40.3	1.929	2.012	29.8	20.9	80 W	28*	64*
6 25	0 35.35	+ 1 33.1	1.796	1.979	30.8	20.8	85 W	33*	62*
7 5	0 50.72	+ 3 47.1	1.664	1.947	31.5	20.6	90 W	39*	60
7 15	1 5.38	+ 6 1.4	1.536	1.916	31.9	20.4	95 W	45*	58
7 25	1 19.14	+ 8 15.7	1.412	1.885	32.0	20.2	101 W	51*	56
8 4	1 31.71	+10 30.1	1.292	1.856	31.6	19.9	106 W	55*	53
8 14	1 42.71	+12 44.2	1.179	1.827	30.8	19.7	113 W	58	51
8 24	1 51.67	+14 57.9	1.074	1.801	29.3	19.4	119 W	60	49
9 3	1 58.04	+17 10.3	0.977	1.776	27.0	19.1	127 W	62	47
9 13	2 1.14	+19 19.6	0.891	1.753	24.0	18.8	135 W	64	45
9 18	2 1.29	+20 21.9	0.853	1.742	22.2	18.6	139 W	65	44
9 23	2 0.46	+21 21.9	0.819	1.732	20.1	18.5	144 W	66	43
9 28	1 58.60	+22 18.8	0.788	1.722	17.9	18.3	148 W	67	42
10 3	1 55.75	+23 11.5	0.761	1.713	15.6	18.1	153 W	68	41
10 8	1 51.98	+23 58.8	0.739	1.704	13.2	18.0	157 W	69	40
10 13	1 47.44	+24 39.8	0.722	1.697	11.0	17.8	161 W	70	39
10 18	1 42.36	+25 13.7	0.709	1.690	9.3	17.7	164 W	70	39
10 23	1 36.99	+25 40.2	0.702	1.683	8.6	17.7	165 E	71	38
10 28	1 31.61	+25 59.1	0.699	1.677	9.2	17.7	164 E	71	38
11 2	1 26.54	+26 10.8	0.701	1.672	10.8	17.7	162 E	71	38
11 7	1 22.07	+26 16.5	0.708	1.668	13.1	17.8	158 E	71	38
11 12	1 18.46	+26 17.4	0.720	1.664	15.6	17.9	153 E	71	38
11 17	1 15.91	+26 15.3	0.736	1.661	18.1	18.1	149 E	71	38
11 22	1 14.53	+26 11.6	0.756	1.659	20.5	18.2	144 E	71	38
11 27	1 14.37	+26 7.7	0.779	1.658	22.8	18.3	139 E	71	38
12 2	1 15.44	+26 4.5	0.806	1.657	24.8	18.5	135 E	71	38
12 7	1 17.73	+26 3.2	0.835	1.658	26.7	18.6	131 E	71	38
12 12	1 21.19	+26 4.4	0.868	1.659	28.3	18.7	127 E	71	38
12 17	1 25.74	+26 8.4	0.903	1.660	29.7	18.9	123 E	71	38
12 22	1 31.28	+26 15.2	0.940	1.663	30.9	19.0	120 E	71	38
12 27	1 37.74	+26 24.8	0.979	1.666	32.0	19.1	116 E	71	38*
1 1	1 45.04	+26 37.0	1.020	1.670	32.8	19.2	113 E	72	37*
1 6	1 53.10	+26 51.5	1.062	1.675	33.5	19.4	110 E	72	37*
1 11	2 1.85	+27 8.0	1.107	1.680	34.1	19.5	107 E	72	36*
1 16	2 11.22	+27 26.0	1.152	1.687	34.5	19.6	104 E	72	35*
1 21	2 21.14	+27 45.2	1.199	1.693	34.7	19.7	101 E	73	34*
314005 2004 UK									
5 6	23 16.59	+ 2 16.0	2.760	2.328	20.7	21.5	55 W	20*	46*
5 16	23 33.06	+ 3 27.0	2.616	2.286	22.5	21.4	60 W	23*	50*
5 26	23 49.52	+ 4 34.2	2.468	2.243	24.2	21.2	65 W	26*	53*
6 5	0 5.98	+ 5 36.1	2.315	2.200	25.8	21.1	71 W	29*	56*
6 15	0 22.42	+ 6 30.4	2.160	2.156	27.2	21.0	76 W	33*	57*
6 25	0 38.81	+ 7 14.7	2.004	2.111	28.4	20.8	82 W	37*	57*
7 5	0 55.14	+ 7 46.1	1.848	2.066	29.4	20.6	87 W	42*	56
7 15	1 11.30	+ 8 1.1	1.694	2.020	30.2	20.4	93 W	46*	56
7 20	1 19.29	+ 8 1.1	1.618	1.998	30.4	20.3	96 W	48*	56
7 25	1 27.20	+ 7 55.4	1.544	1.975	30.5	20.1	99 W	50*	56
7 30	1 35.01	+ 7 43.3	1.470	1.952	30.6	20.0	102 W	51*	56
8 4	1 42.69	+ 7 24.2	1.398	1.929	30.5	19.9	105 W	52*	57
8 9	1 50.21	+ 6 57.1	1.328	1.906	30.3	19.7	108 W	52*	57
8 14	1 57.53	+ 6 21.3	1.259	1.883	30.0	19.6	111 W	51*	58
8 19	2 4.62	+ 5 36.0	1.193	1.861	29.6	19.4	115 W	51	58
8 24	2 11.43	+ 4 40.3	1.130	1.838	29.0	19.3	118 W	50	59
8 29	2 17.92	+ 3 33.4	1.069	1.816	28.3	19.1	122 W	49	60
9 3	2 24.02	+ 2 14.5	1.011	1.793	27.4	18.9	125 W	47	62
9 13	2 34.80	− 1 2.0	0.907	1.750	25.2	18.6	132 W	44	65
9 23	2 43.26	− 5 10.0	0.818	1.707	22.8	18.2	139 W	40	69
10 3	2 48.92	−10 3.1	0.749	1.666	20.7	17.9	144 W	35	74

314005 2004 *UK* *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 8	2 50.58	−12 41.1	0.721	1.646	20.0	17.8	146 W	32	77
10 13	2 51.44	−15 22.0	0.699	1.627	19.9	17.7	146 W	30	79
10 18	2 51.55	−18 1.6	0.682	1.608	20.3	17.6	146 W	27	82
10 23	2 50.97	−20 35.2	0.670	1.590	21.2	17.6	145 W	24	85
10 28	2 49.80	−22 58.4	0.662	1.572	22.6	17.6	143 W	22	87
11 2	2 48.19	−25 7.1	0.659	1.555	24.2	17.6	140 W	20	89
11 7	2 46.32	−26 57.7	0.659	1.540	26.1	17.6	137 E	18	89
11 12	2 44.44	−28 27.7	0.663	1.525	28.1	17.7	134 E	17	88
11 17	2 42.76	−29 36.1	0.670	1.510	30.0	17.7	130 E	15	86
11 22	2 41.50	−30 22.6	0.678	1.497	31.8	17.8	127 E	15	86
11 27	2 40.82	−30 47.6	0.689	1.485	33.5	17.8	124 E	14	85
12 2	2 40.88	−30 52.1	0.701	1.474	35.0	17.9	121 E	14	85
12 7	2 41.80	−30 37.3	0.714	1.464	36.4	18.0	118 E	14	85
12 12	2 43.65	−30 4.8	0.728	1.455	37.6	18.0	116 E	15	86
12 17	2 46.48	−29 16.3	0.743	1.448	38.7	18.1	113 E	16	87
12 22	2 50.26	−28 13.6	0.759	1.441	39.6	18.2	111 E	17	88
12 27	2 54.97	−26 58.1	0.774	1.436	40.3	18.2	109 E	18	89
1 1	3 0.58	−25 31.1	0.791	1.433	41.0	18.3	107 E	19	90
1 6	3 7.05	−23 54.0	0.808	1.430	41.5	18.3	106 E	21	88
1 11	3 14.34	−22 8.2	0.825	1.429	41.9	18.4	104 E	23	86
1 16	3 22.39	−20 15.2	0.844	1.430	42.2	18.4	103 E	25	84
1 21	3 31.12	−18 16.2	0.863	1.431	42.4	18.5	101 E	27	82

508776 1999 RF_{108}

5 6	23 27.69	+ 0 29.5	2.443	2.000	23.7	21.5	53 W	17*	45*
5 16	23 47.91	+ 3 6.7	2.324	1.961	25.5	21.4	57 W	20*	48*
5 26	0 8.37	+ 5 47.7	2.206	1.922	27.3	21.3	61 W	23*	50*
6 5	0 29.15	+ 8 31.3	2.089	1.886	29.0	21.1	64 W	27*	50*
6 15	0 50.29	+11 16.1	1.974	1.851	30.6	21.0	68 W	32*	50*
6 25	1 11.83	+14 0.4	1.862	1.818	32.0	20.9	72 W	37*	49*
7 5	1 33.81	+16 42.4	1.753	1.787	33.4	20.8	75 W	43*	47*
7 15	1 56.21	+19 20.1	1.648	1.759	34.5	20.6	79 W	49*	45*
7 25	2 18.97	+21 51.1	1.547	1.734	35.5	20.5	82 W	55*	42
7 30	2 30.47	+23 3.4	1.499	1.723	35.9	20.4	84 W	58*	41
8 4	2 42.01	+24 13.2	1.451	1.712	36.2	20.4	86 W	61*	40
8 9	2 53.57	+25 20.2	1.404	1.703	36.5	20.3	88 W	64*	39
8 14	3 5.10	+26 24.2	1.359	1.694	36.7	20.2	90 W	67*	38
8 19	3 16.58	+27 24.7	1.314	1.686	36.9	20.1	92 W	69*	37
8 24	3 27.95	+28 21.8	1.271	1.679	36.9	20.0	94 W	72*	36
8 29	3 39.17	+29 15.1	1.229	1.673	36.9	20.0	96 W	74*	35
9 3	3 50.16	+30 4.5	1.188	1.668	36.8	19.9	98 W	75*	34
9 8	4 0.85	+30 49.9	1.148	1.663	36.5	19.8	101 W	76	33
9 13	4 11.14	+31 31.2	1.110	1.660	36.2	19.7	103 W	77	32
9 18	4 20.96	+32 8.3	1.072	1.658	35.7	19.6	106 W	77	32
9 23	4 30.22	+32 41.2	1.036	1.657	35.0	19.5	109 W	78	31
9 28	4 38.81	+33 10.0	1.002	1.657	34.2	19.4	112 W	78	31
10 3	4 46.62	+33 34.6	0.968	1.658	33.3	19.3	115 W	79	30
10 8	4 53.52	+33 55.1	0.936	1.660	32.1	19.2	118 W	79	30
10 13	4 59.42	+34 11.4	0.906	1.663	30.7	19.1	122 W	79	30
10 18	5 4.23	+34 23.3	0.878	1.667	29.2	19.0	125 W	79	30
10 23	5 7.85	+34 30.9	0.853	1.672	27.4	18.9	129 W	80	29
10 28	5 10.24	+34 33.7	0.829	1.678	25.3	18.8	134 W	80	29
11 2	5 11.32	+34 31.5	0.809	1.685	23.0	18.7	138 W	80	29
11 12	5 9.72	+34 10.0	0.778	1.701	17.8	18.4	148 W	79	30
11 22	5 3.88	+33 23.7	0.763	1.721	12.0	18.2	159 W	78	31
12 2	4 55.50	+32 12.8	0.767	1.745	6.5	18.0	168 W	77	32
12 7	4 51.06	+31 29.8	0.777	1.757	5.0	18.0	171 E	76	33
12 12	4 46.87	+30 43.4	0.793	1.771	5.6	18.1	170 E	76	33
12 17	4 43.18	+29 55.2	0.814	1.785	7.6	18.3	166 E	75	34
12 22	4 40.19	+29 6.9	0.841	1.800	10.1	18.5	161 E	74	35
12 27	4 38.03	+28 19.7	0.872	1.815	12.7	18.6	156 E	73	36
1 1	4 36.79	+27 35.0	0.909	1.832	15.2	18.8	151 E	73	36
1 6	4 36.52	+26 53.5	0.950	1.848	17.4	19.0	146 E	72	37
1 11	4 37.22	+26 16.0	0.996	1.865	19.4	19.2	141 E	71	38
1 16	4 38.86	+25 42.6	1.046	1.883	21.2	19.4	136 E	71	38
1 21	4 41.37	+25 13.2	1.100	1.901	22.8	19.6	132 E	70	39

502579 2015 BJ_{512}

5 6	23 45.22	− 5 58.9	2.409	1.944	23.9	21.5	51 W	10*	45*
5 16	0 8.01	− 5 0.3	2.293	1.910	25.8	21.4	55 W	11*	49*
5 26	0 31.23	− 4 6.9	2.177	1.876	27.7	21.3	59 W	12*	53*
6 5	0 54.95	− 3 20.9	2.062	1.844	29.4	21.2	63 W	14*	56*
6 15	1 19.16	− 2 44.5	1.950	1.813	31.1	21.1	67 W	17*	59*
6 25	1 43.84	− 2 20.0	1.841	1.783	32.5	21.0	71 W	20*	61*
7 5	2 8.94	− 2 9.6	1.736	1.756	33.9	20.8	74 W	23*	63*
7 15	2 34.35	− 2 15.5	1.636	1.730	35.0	20.7	78 W	26*	64*
7 25	2 59.88	− 2 39.6	1.543	1.707	36.0	20.6	81 W	30*	65*
8 4	3 25.33	− 3 22.8	1.455	1.686	36.8	20.4	84 W	32*	67*
8 14	3 50.36	− 4 25.9	1.375	1.667	37.4	20.3	87 W	34*	68*
8 24	4 14.62	− 5 48.1	1.301	1.652	37.7	20.2	90 W	36*	70*

502579 2015 BJ_{512} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
9 3	4 37.74	− 7 27.9	1.233	1.640	37.9	20.1	93 W	36*	71*
9 13	4 59.22	− 9 22.6	1.172	1.631	37.8	19.9	97 W	35*	73
9 18	5 9.20	−10 24.3	1.143	1.628	37.7	19.9	98 W	35*	74
9 23	5 18.61	−11 28.1	1.115	1.625	37.4	19.8	100 W	34	75
9 28	5 27.37	−12 33.4	1.089	1.624	37.2	19.7	102 W	32	77
10 3	5 35.42	−13 39.5	1.063	1.623	36.8	19.7	104 W	31	78
10 8	5 42.69	−14 45.6	1.039	1.623	36.4	19.6	106 W	30	79
10 13	5 49.10	−15 50.6	1.015	1.624	35.8	19.6	108 W	29	80
10 18	5 54.61	−16 53.4	0.993	1.626	35.2	19.5	110 W	28	81
10 23	5 59.17	−17 53.0	0.971	1.629	34.5	19.4	112 W	27	82
10 28	6 2.70	−18 48.2	0.951	1.633	33.7	19.4	114 W	26	83
11 2	6 5.16	−19 37.6	0.932	1.637	32.8	19.3	117 W	25	84
11 7	6 6.51	−20 19.4	0.914	1.643	31.8	19.2	119 W	25	84
11 12	6 6.75	−20 52.1	0.897	1.649	30.7	19.2	122 W	24	85
11 17	6 5.90	−21 13.7	0.882	1.656	29.5	19.1	124 W	24	85
11 22	6 4.03	−21 22.6	0.869	1.663	28.3	19.1	127 W	24	85
11 27	6 1.20	−21 17.3	0.859	1.672	27.0	19.0	130 W	24	85
12 2	5 57.57	−20 56.2	0.851	1.681	25.7	19.0	132 W	24	85
12 7	5 53.30	−20 18.2	0.846	1.691	24.4	18.9	135 W	25	84
12 12	5 48.63	−19 22.6	0.844	1.701	23.3	18.9	137 W	26	83
12 17	5 43.81	−18 9.9	0.847	1.713	22.4	18.9	138 W	27	82
12 22	5 39.07	−16 41.1	0.853	1.724	21.7	18.9	140 E	28	81
12 27	5 34.65	−14 57.9	0.864	1.737	21.4	18.9	140 E	30	79
1 1	5 30.74	−13 2.5	0.880	1.749	21.3	19.0	140 E	32	77
1 6	5 27.52	−10 57.7	0.901	1.763	21.6	19.1	139 E	34	75
1 11	5 25.13	− 8 46.3	0.926	1.777	22.2	19.2	137 E	36	73
1 16	5 23.64	− 6 31.5	0.957	1.791	23.0	19.3	135 E	38	71
1 21	5 23.07	− 4 15.9	0.992	1.806	23.8	19.4	132 E	41	68

406562 2007 YQ_{61}

5 6	23 47.27	+ 6 47.7	2.677	2.107	20.2	21.5	46 W	18*	37*
5 16	0 7.05	+ 8 12.6	2.562	2.072	22.1	21.4	51 W	21*	41*
5 26	0 27.09	+ 9 33.1	2.442	2.037	24.0	21.3	55 W	23*	44*
6 5	0 47.43	+10 47.5	2.320	2.002	25.8	21.2	59 W	26*	46*
6 15	1 8.09	+11 53.5	2.194	1.967	27.6	21.1	64 W	29*	48*
6 25	1 29.08	+12 48.8	2.067	1.934	29.2	21.0	68 W	34*	49*
7 5	1 50.39	+13 30.6	1.940	1.901	30.7	20.9	72 W	38*	50*
7 15	2 11.96	+13 56.0	1.814	1.868	32.0	20.7	77 W	43*	50*
7 25	2 33.71	+14 1.7	1.689	1.837	33.1	20.5	81 W	47*	50*
8 4	2 55.52	+13 44.3	1.567	1.807	34.1	20.4	86 W	51*	50
8 9	3 6.38	+13 25.7	1.507	1.793	34.4	20.3	88 W	52*	51
8 14	3 17.16	+13 0.0	1.449	1.779	34.7	20.2	91 W	54*	51
8 19	3 27.83	+12 26.6	1.391	1.765	34.9	20.1	93 W	55*	52
8 24	3 38.36	+11 45.2	1.336	1.752	35.0	20.0	96 W	55*	52
8 29	3 48.70	+10 55.3	1.282	1.740	35.1	19.9	98 W	55*	53
9 3	3 58.79	+ 9 56.7	1.229	1.728	35.0	19.8	101 W	55*	54
9 13	4 18.01	+ 7 31.8	1.131	1.705	34.6	19.6	106 W	53	56
9 23	4 35.51	+ 4 29.7	1.042	1.685	33.8	19.3	111 W	49	60
10 3	4 50.76	+ 0 52.0	0.963	1.668	32.6	19.1	116 W	46	63
10 8	4 57.34	− 1 8.7	0.928	1.660	31.8	19.0	119 W	44	65
10 13	5 3.13	− 3 15.9	0.897	1.653	31.0	18.9	121 W	42	67
10 18	5 8.06	− 5 27.9	0.869	1.647	30.2	18.8	124 W	40	69
10 23	5 12.07	− 7 42.8	0.844	1.641	29.3	18.7	126 W	37	72
10 28	5 15.12	− 9 58.6	0.822	1.637	28.4	18.6	128 W	35	74
11 2	5 17.15	−12 12.5	0.805	1.633	27.6	18.5	130 W	33	76
11 7	5 18.16	−14 21.7	0.791	1.630	26.9	18.5	132 W	31	78
11 12	5 18.17	−16 23.1	0.780	1.627	26.3	18.4	133 W	29	80
11 17	5 17.26	−18 13.6	0.773	1.626	25.8	18.4	134 W	27	82
11 22	5 15.52	−19 50.7	0.770	1.625	25.5	18.4	135 W	25	84
11 27	5 13.10	−21 12.0	0.770	1.625	25.4	18.4	135 W	24	85
12 2	5 10.17	−22 15.6	0.773	1.626	25.4	18.4	135 W	23	86
12 7	5 6.94	−23 0.0	0.779	1.628	25.7	18.4	134 W	22	87
12 12	5 3.66	−23 24.7	0.789	1.631	26.0	18.4	133 E	22	87
12 17	5 0.55	−23 30.0	0.801	1.634	26.5	18.5	132 E	21	88
12 22	4 57.83	−23 16.9	0.816	1.639	27.0	18.5	131 E	22	87
12 27	4 55.66	−22 46.5	0.834	1.644	27.6	18.6	129 E	22	87
1 1	4 54.19	−22 0.6	0.854	1.650	28.2	18.7	128 E	23	86
1 6	4 53.53	−21 1.1	0.877	1.656	28.8	18.8	126 E	24	85
1 11	4 53.74	−19 50.0	0.903	1.664	29.5	18.9	124 E	25	84
1 16	4 54.86	−18 29.7	0.930	1.672	30.0	19.0	122 E	27	82
1 21	4 56.88	−17 2.1	0.960	1.680	30.6	19.1	120 E	28	81

454177 2013 GJ_{35}

5 6	23 50.69	+32 38.1	3.409	2.771	14.6	21.5	44 W	35*	18*
5 16	0 5.04	+35 13.5	3.306	2.735	15.9	21.4	48 W	38*	20*
5 26	0 19.51	+37 54.8	3.196	2.697	17.3	21.4	52 W	42*	21*
6 5	0 34.15	+40 41.6	3.079	2.657	18.6	21.3	56 W	46*	20*
6 15	0 48.96	+43 33.7	2.958	2.616	19.8	21.2	61 W	51*	19*
6 25	1 3.93	+46 30.5	2.832	2.573	21.0	21.1	65 W	57*	17*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	454177 2013 GJ_{35}					*(continuation)*			
	h m	° ′			°	m	°	°	°
7 5	1 19.08	+49 31.7	2.704	2.529	22.1	21.0	69 W	62*	14*
7 15	1 34.38	+52 36.8	2.574	2.483	23.1	20.9	73 W	67*	11
7 25	1 49.78	+55 45.0	2.443	2.435	24.0	20.8	78 W	71*	8
8 4	2 5.19	+58 55.7	2.313	2.386	24.9	20.7	82 W	73*	5
8 14	2 20.40	+62 8.1	2.183	2.335	25.6	20.5	86 W	73*	2
8 24	2 35.08	+65 20.9	2.056	2.282	26.3	20.3	89 W	70	—
8 29	2 42.06	+66 57.0	1.993	2.255	26.6	20.3	91 W	68	—
9 3	2 48.66	+68 32.7	1.930	2.227	26.9	20.2	93 W	66	—
9 8	2 54.70	+70 7.7	1.869	2.200	27.1	20.1	95 W	65	—
9 13	2 59.98	+71 41.6	1.808	2.171	27.4	20.0	97 W	63	—
9 15	3 1.81	+72 18.7	1.784	2.160	27.5	20.0	98 W	63	—
9 17	3 3.47	+72 55.6	1.760	2.149	27.6	19.9	98 W	62	—
9 19	3 4.91	+73 32.2	1.736	2.137	27.7	19.9	99 W	61	—
9 21	3 6.11	+74 8.4	1.713	2.125	27.8	19.8	100 W	61	—
9 23	3 7.03	+74 44.3	1.689	2.114	27.8	19.8	100 W	60	—
9 25	3 7.64	+75 19.7	1.666	2.102	27.9	19.8	101 W	60	—
9 27	3 7.90	+75 54.7	1.643	2.090	28.0	19.7	102 W	59	—
9 29	3 7.74	+76 29.1	1.620	2.079	28.1	19.7	102 W	59	—
10 1	3 7.12	+77 2.9	1.597	2.067	28.2	19.6	103 W	58	—
10 3	3 5.97	+77 36.0	1.574	2.055	28.3	19.6	104 W	57	—
10 5	3 4.22	+78 8.2	1.552	2.043	28.3	19.6	104 W	57	—
10 7	3 1.79	+78 39.5	1.530	2.031	28.4	19.5	105 W	56	—
10 9	2 58.59	+79 9.7	1.508	2.019	28.5	19.5	105 W	56	—
10 11	2 54.54	+79 38.6	1.486	2.006	28.6	19.4	106 W	55	—
10 13	2 49.56	+80 6.1	1.464	1.994	28.6	19.4	107 W	55	—
10 14	2 46.68	+80 19.2	1.453	1.988	28.7	19.4	107 W	55	—
10 15	2 43.54	+80 31.9	1.443	1.982	28.7	19.3	107 W	54	—
10 16	2 40.12	+80 44.1	1.432	1.976	28.8	19.3	108 W	54	—
10 17	2 36.41	+80 55.8	1.421	1.969	28.8	19.3	108 W	54	—
10 18	2 32.40	+81 6.9	1.411	1.963	28.9	19.3	108 W	54	—
10 19	2 28.10	+81 17.4	1.400	1.957	28.9	19.3	108 W	54	—
10 20	2 23.50	+81 27.4	1.390	1.951	28.9	19.2	109 W	54	—
10 21	2 18.59	+81 36.6	1.379	1.945	29.0	19.2	109 W	53	—
10 22	2 13.38	+81 45.2	1.369	1.938	29.0	19.2	109 W	53	—
10 23	2 7.88	+81 53.0	1.359	1.932	29.1	19.2	109 W	53	—
10 24	2 2.10	+82 0.0	1.348	1.926	29.1	19.1	110 W	53	—
10 25	1 56.06	+82 6.2	1.338	1.920	29.2	19.1	110 E	53	—
10 26	1 49.77	+82 11.5	1.328	1.913	29.2	19.1	110 E	53	—
10 27	1 43.27	+82 16.0	1.318	1.907	29.2	19.1	110 E	53	—
10 28	1 36.58	+82 19.4	1.308	1.901	29.3	19.1	111 E	53	—
10 29	1 29.75	+82 21.9	1.298	1.894	29.3	19.0	111 E	53	—
10 30	1 22.82	+82 23.4	1.288	1.888	29.4	19.0	111 E	53	—
10 31	1 15.82	+82 23.9	1.278	1.882	29.5	19.0	111 E	53	—
11 1	1 8.81	+82 23.3	1.268	1.875	29.5	19.0	112 E	53	—
11 2	1 1.83	+82 21.7	1.258	1.869	29.6	18.9	112 E	53	—
11 3	0 54.93	+82 19.0	1.249	1.862	29.6	18.9	112 E	53	—
11 4	0 48.17	+82 15.3	1.239	1.856	29.7	18.9	112 E	53	—
11 5	0 41.57	+82 10.5	1.229	1.850	29.7	18.9	112 E	53	—
11 6	0 35.18	+82 4.7	1.220	1.843	29.8	18.9	113 E	53	—
11 7	0 29.04	+81 57.9	1.210	1.837	29.8	18.8	113 E	53	—
11 8	0 23.18	+81 50.1	1.201	1.830	29.9	18.8	113 E	53	—
11 9	0 17.62	+81 41.4	1.192	1.824	30.0	18.8	113 E	53	—
11 10	0 12.38	+81 31.8	1.182	1.817	30.0	18.8	113 E	53	—
11 11	0 7.47	+81 21.3	1.173	1.811	30.1	18.7	113 E	54	—
11 12	0 2.91	+81 9.9	1.164	1.804	30.2	18.7	114 E	54	—
11 14	23 54.83	+80 44.7	1.146	1.792	30.3	18.7	114 E	54	—
11 16	23 48.14	+80 16.5	1.128	1.778	30.5	18.6	114 E	55	—
11 18	23 42.78	+79 45.5	1.110	1.765	30.7	18.6	114 E	55	—
11 20	23 38.69	+79 11.8	1.093	1.752	30.8	18.5	115 E	56	—
11 22	23 35.76	+78 35.7	1.076	1.739	31.0	18.5	115 E	56	—
11 23	23 34.71	+78 16.7	1.068	1.733	31.1	18.5	115 E	57	—
11 24	23 33.91	+77 57.2	1.059	1.726	31.2	18.4	115 E	57	—
11 25	23 33.36	+77 37.1	1.051	1.720	31.4	18.4	115 E	57	—
11 26	23 33.03	+77 16.5	1.043	1.713	31.5	18.4	115 E	58	—
11 27	23 32.93	+76 55.4	1.035	1.706	31.6	18.4	115 E	58	—
11 28	23 33.04	+76 33.7	1.027	1.700	31.7	18.4	115 E	58	—
11 29	23 33.34	+76 11.5	1.019	1.693	31.8	18.3	115 E	59	—
11 30	23 33.83	+75 48.8	1.011	1.687	32.0	18.3	115 E	59	—
12 1	23 34.51	+75 25.5	1.004	1.680	32.1	18.3	115 E	60	—
12 2	23 35.34	+75 1.8	0.996	1.673	32.2	18.3	115 E	60	—
12 4	23 37.49	+74 12.7	0.981	1.660	32.5	18.2	115 E	61	—
12 6	23 40.21	+73 21.7	0.966	1.647	32.8	18.2	115 E	62	—
12 8	23 43.44	+72 28.7	0.952	1.634	33.1	18.1	115 E	63	—
12 10	23 47.12	+71 33.7	0.938	1.620	33.5	18.1	115 E	63	—
12 12	23 51.19	+70 36.6	0.925	1.607	33.9	18.1	115 E	64	—
12 14	23 55.62	+69 37.6	0.912	1.594	34.2	18.0	114 E	65	—
12 16	0 0.36	+68 36.5	0.899	1.581	34.7	18.0	114 E	66	—
12 18	0 5.37	+67 33.4	0.887	1.567	35.1	18.0	114 E	67	—

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	454177 2013 GJ_{35}					*(continuation)*			
	h m	° ′			°	m	°	°	°
12 20	0 10.61	+66 28.2	0.876	1.554	35.6	17.9	113 E	69	—
12 22	0 16.07	+65 20.8	0.864	1.541	36.0	17.9	113 E	70	—
12 24	0 21.71	+64 11.4	0.854	1.528	36.6	17.9	112 E	71	—
12 26	0 27.51	+62 59.8	0.844	1.515	37.1	17.8	112 E	72	—
12 28	0 33.45	+61 46.2	0.834	1.502	37.6	17.8	111 E	73	1*
12 30	0 39.50	+60 30.4	0.825	1.489	38.2	17.8	111 E	74	2*
1 1	0 45.66	+59 12.6	0.816	1.476	38.8	17.8	110 E	76	3*
1 6	1 1.39	+55 49.6	0.798	1.443	40.4	17.7	108 E	79	6*
1 11	1 17.43	+52 15.6	0.783	1.411	42.2	17.7	106 E	83	10*
1 16	1 33.59	+48 32.0	0.772	1.380	44.0	17.6	103 E	86	13*
1 21	1 49.73	+44 41.0	0.765	1.350	45.8	17.6	100 E	90	16*
	363027 1998 ST_{27}								
5 6	23 53.26	+20 34.5	0.680	0.683	95.4	21.2	42 W	27*	27*
5 11	23 51.17	+21 59.9	0.717	0.739	87.8	21.2	47 W	30*	30*
5 16	23 51.96	+23 20.2	0.749	0.793	81.9	21.2	51 W	33*	31*
5 21	23 54.67	+24 37.1	0.775	0.843	77.3	21.3	54 W	36*	33*
5 26	23 58.63	+25 51.8	0.795	0.890	73.7	21.3	58 W	39*	33*
5 31	0 3.43	+27 4.9	0.809	0.935	70.7	21.4	60 W	42*	34*
6 5	0 8.75	+28 16.7	0.817	0.976	68.3	21.4	63 W	44*	34*
6 10	0 14.37	+29 27.5	0.820	1.014	66.3	21.4	66 W	47*	34*
6 15	0 20.12	+30 37.2	0.818	1.048	64.6	21.5	69 W	50*	33*
6 20	0 25.87	+31 46.1	0.812	1.080	63.1	21.5	71 W	53*	32*
6 25	0 31.53	+32 54.0	0.800	1.110	61.8	21.4	74 W	57*	31
6 30	0 37.01	+34 1.2	0.785	1.136	60.7	21.4	77 W	60*	30
7 5	0 42.22	+35 7.7	0.766	1.159	59.7	21.4	80 W	64*	29
7 10	0 47.06	+36 13.5	0.743	1.180	58.7	21.3	83 W	68*	28
7 15	0 51.40	+37 18.3	0.717	1.198	57.8	21.3	86 W	72*	27
7 20	0 55.14	+38 21.9	0.688	1.214	56.8	21.2	89 W	76*	26
7 25	0 58.16	+39 24.3	0.657	1.227	55.9	21.1	92 W	80*	25
7 30	1 0.28	+40 25.3	0.623	1.237	54.8	20.9	95 W	84*	24
8 4	1 1.28	+41 24.1	0.588	1.245	53.7	20.8	98 W	86	23
8 9	1 0.88	+42 19.9	0.550	1.250	52.5	20.6	102 W	87	22
8 14	0 58.74	+43 11.1	0.512	1.253	51.1	20.4	106 W	88	21
8 19	0 54.46	+43 55.4	0.472	1.253	49.4	20.2	110 W	89	20
8 24	0 47.56	+44 29.5	0.433	1.251	47.6	20.0	114 W	89	20
8 26	0 43.92	+44 39.2	0.417	1.250	46.7	19.9	116 W	90	19
8 28	0 39.73	+44 46.0	0.401	1.248	45.8	19.7	118 W	90	19
8 30	0 34.93	+44 49.2	0.385	1.245	44.9	19.6	119 W	90	19
9 1	0 29.47	+44 48.3	0.370	1.243	43.9	19.5	121 W	90	19
9 3	0 23.32	+44 42.3	0.354	1.240	42.8	19.4	123 W	90	19
9 5	0 16.44	+44 30.3	0.339	1.236	41.7	19.2	125 W	90	19
9 7	0 8.80	+44 11.2	0.324	1.232	40.5	19.1	127 W	89	20
9 9	0 0.38	+43 43.6	0.309	1.228	39.3	19.0	130 W	89	20
9 11	23 51.18	+43 6.2	0.295	1.223	38.0	18.8	132 W	88	21
9 13	23 41.22	+42 17.2	0.281	1.218	36.7	18.7	134 W	87	22
9 15	23 30.54	+41 14.9	0.268	1.212	35.5	18.5	136 E	86	23
9 17	23 19.20	+39 57.6	0.256	1.206	34.3	18.4	137 E	85	24
9 19	23 7.29	+38 23.4	0.244	1.199	33.3	18.2	139 E	83	26
9 21	22 54.92	+36 30.6	0.233	1.193	32.5	18.1	140 E	82	27
9 23	22 42.22	+34 17.8	0.223	1.185	32.1	18.0	141 E	79	30
9 25	22 29.34	+31 44.0	0.214	1.178	32.1	17.9	141 E	77	32
9 27	22 16.43	+28 49.1	0.206	1.169	32.7	17.8	141 E	74	35
9 29	22 3.65	+25 33.9	0.200	1.161	34.0	17.7	140 E	71	38
10 1	21 51.15	+22 0.3	0.194	1.152	36.0	17.7	137 E	67	42
10 3	21 39.05	+18 11.4	0.191	1.142	38.7	17.7	135 E	63	46
10 5	21 27.46	+14 11.4	0.188	1.133	41.8	17.8	131 E	59	50
10 7	21 16.44	+10 4.9	0.188	1.122	45.4	17.9	127 E	55	54
10 9	21 6.04	+ 5 56.9	0.188	1.112	49.3	17.9	122 E	51	58
10 11	20 56.28	+ 1 52.2	0.190	1.100	53.3	18.1	118 E	47	62
10 13	20 47.15	− 2 5.5	0.194	1.089	57.4	18.2	113 E	43	66
10 15	20 38.62	− 5 53.2	0.198	1.077	61.5	18.3	108 E	39	70
10 17	20 30.64	− 9 28.8	0.203	1.064	65.4	18.5	104 E	36	73
10 19	20 23.17	−12 51.3	0.209	1.051	69.2	18.6	99 E	32	77
10 21	20 16.15	−16 0.3	0.216	1.037	72.9	18.8	95 E	29	79*
10 23	20 9.51	−18 56.1	0.224	1.023	76.4	19.0	91 E	26	80*
10 25	20 3.19	−21 39.2	0.231	1.009	79.8	19.1	87 E	23	79*
10 27	19 57.12	−24 10.4	0.240	0.994	83.1	19.3	83 E	21	76*
10 29	19 51.25	−26 30.5	0.248	0.978	86.2	19.5	79 E	18*	73*
10 31	19 45.49	−28 40.5	0.257	0.963	89.2	19.6	76 E	16*	70*
11 2	19 39.79	−30 41.3	0.266	0.946	92.2	19.8	72 E	14*	66*
11 4	19 34.07	−32 33.5	0.275	0.929	95.1	19.9	69 E	12*	63*
11 6	19 28.27	−34 18.0	0.284	0.912	97.9	20.1	66 E	10*	60*
11 8	19 22.30	−35 55.0	0.293	0.894	100.7	20.3	62 E	8*	56*
11 10	19 16.11	−37 25.2	0.302	0.875	103.5	20.4	59 E	6*	53*
11 12	19 9.62	−38 48.7	0.311	0.856	106.3	20.6	56 E	4*	50*
11 14	19 2.75	−40 5.5	0.321	0.837	109.1	20.8	53 E	2*	47*
11 16	18 55.46	−41 15.5	0.330	0.817	111.9	20.9	50 E	—	43*
11 18	18 47.69	−42 18.5	0.340	0.797	114.8	21.1	47 E	—	40*
11 20	18 39.42	−43 13.9	0.350	0.776	117.7	21.3	44 E	—	37*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
523595 2002 OS_4									
5 6	23 58.73	+13 44.4	1.778	1.226	33.2	21.4	42 W	21*	31*
5 11	0 16.19	+16 32.5	1.748	1.200	34.1	21.3	42 W	22*	29*
5 16	0 34.47	+19 19.7	1.723	1.176	34.8	21.3	42 W	23*	28*
5 21	0 53.64	+22 3.6	1.702	1.153	35.3	21.2	41 W	24*	27*
5 26	1 13.76	+24 42.0	1.685	1.132	35.8	21.2	41 W	25*	25*
5 31	1 34.89	+27 12.2	1.673	1.113	36.1	21.1	40 W	26*	23*
6 5	1 57.03	+29 31.6	1.666	1.096	36.2	21.1	40 W	26*	21*
6 10	2 20.16	+31 37.5	1.662	1.082	36.2	21.0	39 W	27*	20*
6 15	2 44.19	+33 27.3	1.663	1.070	36.0	21.0	38 W	27*	18*
6 20	3 8.97	+34 59.0	1.668	1.061	35.7	21.0	38 W	27*	16*
6 25	3 34.31	+36 10.8	1.676	1.055	35.2	21.0	37 W	27*	15*
6 30	3 59.95	+37 1.8	1.686	1.052	34.7	21.0	36 W	27*	13*
7 5	4 25.61	+37 31.7	1.700	1.052	34.1	21.0	35 W	27*	12*
7 10	4 51.00	+37 40.8	1.715	1.054	33.4	21.0	35 W	27*	11*
7 15	5 15.84	+37 30.2	1.732	1.060	32.7	21.0	34 W	27*	11*
7 20	5 39.89	+37 1.4	1.750	1.069	32.0	21.0	34 W	26*	10*
7 25	6 2.98	+36 16.2	1.768	1.081	31.4	21.0	34 W	26*	10*
7 30	6 24.99	+35 16.6	1.787	1.095	30.8	21.1	34 W	26*	10*
8 4	6 45.87	+34 4.8	1.805	1.112	30.3	21.1	34 W	26*	10*
8 9	7 5.59	+32 42.7	1.823	1.130	29.9	21.2	34 W	27*	10*
8 14	7 24.16	+31 12.1	1.840	1.151	29.6	21.2	34 W	27*	11*
8 19	7 41.63	+29 34.7	1.856	1.174	29.3	21.3	35 W	27*	12*
8 24	7 58.07	+27 51.9	1.871	1.198	29.2	21.3	35 W	28*	13*
8 29	8 13.55	+26 4.8	1.884	1.224	29.2	21.4	36 W	29*	14*
9 3	8 28.13	+24 14.5	1.895	1.251	29.2	21.5	37 W	30*	15*
85628 1998 KV_2									
5 16	0 25.73	− 8 49.0	2.327	1.906	25.2	21.5	53 W	5*	47*
5 26	0 45.92	− 7 1.6	2.211	1.875	27.1	21.4	58 W	8*	52*
6 5	1 6.29	− 5 15.7	2.092	1.841	29.0	21.3	62 W	11*	55*
6 15	1 26.88	− 3 31.9	1.969	1.806	30.8	21.2	66 W	15*	58*
6 25	1 47.76	− 1 51.0	1.845	1.769	32.6	21.0	70 W	20*	60*
7 5	2 9.03	− 0 13.3	1.720	1.729	34.3	20.9	73 W	25*	61*
7 15	2 30.76	+ 1 20.7	1.595	1.688	35.9	20.7	77 W	30*	61*
7 25	2 53.03	+ 2 50.9	1.472	1.645	37.5	20.5	81 W	35*	61*
8 4	3 15.97	+ 4 17.4	1.349	1.601	39.1	20.3	84 W	40*	60*
8 14	3 39.70	+ 5 40.5	1.230	1.555	40.6	20.1	87 W	45*	58*
8 24	4 4.39	+ 7 1.2	1.114	1.509	42.1	19.9	90 W	49*	57
9 3	4 30.28	+ 8 21.1	1.003	1.461	43.6	19.6	93 W	52*	56
9 13	4 57.67	+ 9 42.1	0.897	1.413	45.1	19.3	96 W	54*	54
9 23	5 26.99	+11 7.3	0.797	1.366	46.7	19.1	98 W	56*	53
10 3	5 58.90	+12 40.2	0.705	1.318	48.4	18.8	100 W	58	51
10 13	6 34.14	+14 24.3	0.621	1.273	50.3	18.5	101 W	59	50*
10 18	6 53.33	+15 21.5	0.583	1.250	51.3	18.3	101 W	60	49*
10 23	7 13.76	+16 22.1	0.547	1.229	52.5	18.2	102 W	61	47*
10 28	7 35.57	+17 25.7	0.515	1.208	53.7	18.0	102 W	62	46*
11 2	7 58.85	+18 31.3	0.485	1.188	55.0	17.9	101 W	64	45*
11 7	8 23.67	+19 37.4	0.460	1.169	56.3	17.8	101 W	65	44*
11 12	8 50.00	+20 41.9	0.437	1.151	57.8	17.7	100 W	66	42*
11 17	9 17.74	+21 41.9	0.419	1.135	59.3	17.6	99 W	67	40*
11 22	9 46.64	+22 34.1	0.405	1.120	60.8	17.6	98 W	68	39*
11 27	10 16.32	+23 15.5	0.394	1.106	62.3	17.5	97 W	68	37*
12 2	10 46.24	+23 43.8	0.388	1.094	63.7	17.5	96 W	69	36*
12 7	11 15.83	+23 58.0	0.384	1.084	65.0	17.5	94 W	69	35*
12 12	11 44.55	+23 58.3	0.385	1.076	66.0	17.5	93 W	69	34*
12 17	12 11.96	+23 45.8	0.387	1.070	66.8	17.5	92 W	69	33*
12 22	12 37.74	+23 22.8	0.392	1.066	67.3	17.6	91 W	68	33*
12 27	13 1.71	+22 51.8	0.398	1.065	67.5	17.6	91 W	68	33*
1 1	13 23.78	+22 15.6	0.406	1.065	67.4	17.7	90 W	67	34*
1 6	13 43.94	+21 36.6	0.414	1.067	67.1	17.7	90 W	67	35*
1 11	14 2.27	+20 56.6	0.422	1.072	66.5	17.7	90 W	66	36*
1 16	14 18.85	+20 16.8	0.429	1.079	65.7	17.8	91 W	65	38*
1 21	14 33.80	+19 38.6	0.436	1.088	64.7	17.8	92 W	65	39*
136818 Selqet									
5 16	1 0.20	+14 52.7	1.622	1.003	36.5	21.4	36 W	16*	27*
5 21	1 20.84	+16 51.9	1.598	0.974	37.2	21.4	36 W	16*	26*
5 26	1 42.58	+18 46.4	1.577	0.944	37.8	21.3	35 W	16*	24*
5 31	2 5.53	+20 34.2	1.558	0.913	38.3	21.2	34 W	16*	23*
6 5	2 29.76	+22 12.7	1.543	0.881	38.5	21.1	33 W	16*	22*
6 10	2 55.32	+23 39.4	1.530	0.849	38.5	21.0	31 W	15*	20*
6 15	3 22.20	+24 51.2	1.521	0.816	38.3	20.9	30 W	15*	18*
6 20	3 50.35	+25 45.3	1.516	0.783	37.7	20.8	28 W	14*	16*
6 25	4 19.65	+26 18.6	1.514	0.751	36.7	20.7	26 W	13*	15*
6 30	4 49.92	+26 28.9	1.517	0.721	35.2	20.5	24 W	12*	13*
7 5	5 20.90	+26 14.2	1.522	0.692	33.2	20.4	22 W	11*	11*
7 10	5 52.29	+25 33.8	1.531	0.667	30.7	20.3	20 W	9*	9*
7 15	6 23.80	+24 27.6	1.543	0.645	27.6	20.1	17 W	7*	7*
7 20	6 55.10	+22 57.0	1.557	0.628	24.0	20.0	15 W	5*	6*
7 25	7 25.95	+21 4.4	1.573	0.617	20.1	19.8	12 W	3*	4*
7 30	7 56.13	+18 53.0	1.590	0.613	16.0	19.7	10 W	—	2*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
136818 Selqet *(continuation)*									
8 4	8 25.50	+16 26.9	1.608	0.615	12.2	19.6	7 W	—	1*
8 9	8 53.94	+13 50.3	1.626	0.624	9.0	19.5	6 W	—	—
8 14	9 21.42	+11 7.2	1.644	0.640	7.2	19.5	5 W	—	—
8 19	9 47.94	+ 8 21.4	1.663	0.660	7.2	19.6	5 W	—	—
8 24	10 13.53	+ 5 36.2	1.683	0.684	8.3	19.8	6 E	—	—
8 29	10 38.25	+ 2 54.1	1.705	0.712	9.8	20.0	7 E	—	—
9 3	11 2.17	+ 0 17.2	1.727	0.743	11.2	20.1	8 E	—	—
9 8	11 25.37	− 2 13.1	1.751	0.774	12.3	20.3	9 E	—	2*
9 13	11 47.91	− 4 35.6	1.776	0.807	13.0	20.4	10 E	—	3*
9 23	12 31.26	− 8 54.6	1.829	0.872	13.8	20.7	12 E	—	5*
10 3	13 12.71	−12 36.8	1.886	0.935	13.6	20.9	13 E	—	6*
10 13	13 52.62	−15 41.9	1.944	0.995	12.8	21.1	13 E	—	6*
10 23	14 31.23	−18 10.7	2.001	1.049	11.5	21.2	12 E	—	6*
11 2	15 8.75	−20 5.0	2.055	1.098	10.0	21.3	11 E	—	5*
11 12	15 45.32	−21 26.6	2.105	1.141	8.3	21.4	10 E	—	4*
11 22	16 21.00	−22 17.2	2.148	1.177	6.4	21.4	8 E	—	1*
12 2	16 55.86	−22 38.7	2.184	1.207	4.5	21.4	6 E	—	—
12 12	17 29.92	−22 32.5	2.212	1.230	2.6	21.4	3 E	—	—
12 22	18 3.22	−22 0.3	2.230	1.247	1.3	21.3	2 E	—	—
1 1	18 35.79	−21 3.3	2.239	1.258	2.2	21.4	3 W	—	—
140158 2001 SX_{169}									
5 16	1 6.05	+26 6.2	0.123	0.912	141.6	20.7	34 W	22*	18*
5 18	0 43.35	+24 51.5	0.117	0.926	134.5	19.7	41 W	26*	24*
5 20	0 19.37	+23 14.9	0.111	0.941	126.9	18.9	48 W	30*	30*
5 22	23 54.52	+21 16.0	0.107	0.956	118.8	18.2	56 W	35*	36*
5 24	23 29.27	+18 56.4	0.105	0.971	110.6	17.6	64 W	38*	42*
5 26	23 4.12	+16 19.4	0.103	0.986	102.1	17.2	72 W	42*	47*
5 27	22 51.72	+14 55.9	0.103	0.994	97.9	17.0	76 W	43*	49*
5 28	22 39.50	+13 30.0	0.103	1.001	93.7	16.8	80 W	45*	50*
5 29	22 27.52	+12 2.5	0.104	1.009	89.5	16.7	85 W	46*	52
5 30	22 15.81	+10 34.2	0.104	1.017	85.4	16.5	89 W	46*	53
5 31	22 4.39	+ 9 5.7	0.105	1.024	81.3	16.4	93 W	47*	55
6 1	21 53.30	+ 7 37.8	0.107	1.032	77.3	16.3	97 W	47*	56
6 2	21 42.54	+ 6 11.0	0.108	1.040	73.4	16.2	101 W	47*	58
6 3	21 32.13	+ 4 45.9	0.110	1.047	69.6	16.2	105 W	47*	59
6 4	21 22.08	+ 3 23.0	0.112	1.055	65.9	16.1	108 W	47*	61
6 5	21 12.39	+ 2 2.4	0.115	1.063	62.3	16.0	112 W	46*	62
6 7	20 54.09	− 0 30.1	0.120	1.078	55.4	16.0	119 W	44*	65
6 9	20 37.20	− 2 50.3	0.126	1.094	49.0	15.9	126 W	42	67
6 11	20 21.66	− 4 57.7	0.133	1.109	43.0	15.9	132 W	40	69
6 13	20 7.41	− 6 52.5	0.141	1.124	37.4	15.9	138 W	38	71
6 15	19 54.37	− 8 35.4	0.150	1.139	32.3	15.9	143 W	36	73
6 17	19 42.46	−10 7.2	0.160	1.155	27.6	16.0	148 W	35	74
6 19	19 31.59	−11 28.9	0.170	1.170	23.2	16.0	153 W	34	75
6 21	19 21.70	−12 41.7	0.180	1.185	19.2	16.0	157 W	32	77
6 23	19 12.71	−13 46.3	0.192	1.200	15.5	16.1	162 W	31	78
6 25	19 4.54	−14 43.8	0.204	1.215	12.2	16.1	165 W	30	79
6 27	18 57.14	−15 35.1	0.216	1.229	9.2	16.1	169 W	29	80
6 29	18 50.45	−16 20.8	0.229	1.244	6.7	16.2	172 W	29	80
7 1	18 44.40	−17 1.7	0.243	1.259	5.0	16.2	174 W	28	81
7 3	18 38.96	−17 38.3	0.257	1.273	4.6	16.4	174 E	27	82
7 5	18 34.08	−18 11.2	0.272	1.287	5.5	16.6	173 E	27	82
7 10	18 24.11	−19 20.0	0.312	1.322	9.7	17.1	167 E	26	83
7 15	18 16.93	−20 13.9	0.354	1.357	13.9	17.6	161 E	25	84
7 20	18 12.12	−20 56.6	0.400	1.390	17.6	18.1	155 E	24	85
7 25	18 9.29	−21 31.1	0.449	1.423	20.8	18.5	150 E	23	86
7 30	18 8.12	−21 59.2	0.501	1.454	23.5	18.8	145 E	23	86
8 4	18 8.37	−22 22.2	0.555	1.485	25.8	19.2	140 E	23	86
8 9	18 9.83	−22 41.2	0.612	1.515	27.7	19.5	136 E	22	87
8 14	18 12.35	−22 56.7	0.672	1.544	29.3	19.8	132 E	22	87
8 19	18 15.79	−23 9.2	0.733	1.571	30.6	20.0	128 E	22	87
8 24	18 20.01	−23 19.0	0.797	1.598	31.7	20.3	124 E	22	87
8 29	18 24.89	−23 26.2	0.862	1.624	32.5	20.5	120 E	22	87
9 3	18 30.35	−23 31.0	0.929	1.649	33.2	20.7	117 E	21	88
9 8	18 36.34	−23 33.5	0.998	1.673	33.7	20.9	113 E	21	88
9 13	18 42.78	−23 33.7	1.068	1.696	34.0	21.1	110 E	21	88
9 18	18 49.62	−23 31.6	1.139	1.718	34.1	21.3	106 E	21	88
9 23	18 56.80	−23 27.2	1.211	1.739	34.2	21.4	103 E	22	87
351545 2005 TE_{15}									
5 16	1 17.32	−16 5.3	0.430	0.791	108.0	21.4	48 W	—	39*
5 21	1 23.67	−14 27.5	0.473	0.796	102.8	21.3	50 W	—	42*
5 26	1 30.83	−12 38.7	0.515	0.804	97.9	21.3	52 W	—	45*
5 31	1 38.66	−10 42.5	0.556	0.816	93.4	21.3	53 W	—	47*
6 5	1 47.02	− 8 42.0	0.594	0.831	89.2	21.3	55 W	2*	49*
6 10	1 55.78	− 6 39.6	0.629	0.849	85.4	21.3	56 W	5*	50*
6 15	2 4.80	− 4 37.0	0.661	0.870	81.9	21.4	58 W	8*	52*
6 20	2 13.98	− 2 35.6	0.690	0.892	78.8	21.4	59 W	11*	53*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
351545 2005 TE_{15} *(continuation)*									
6 25	2 23.26	− 0 36.2	0.715	0.917	75.9	21.4	61 W	15*	53*
6 30	2 32.58	+ 1 20.5	0.737	0.943	73.3	21.5	63 W	18*	54*
456537 2007 BG									
5 16	1 18.87	+16 28.3	0.797	0.532	97.0	21.1	31 W	14*	22*
5 21	1 39.59	+16 22.7	0.887	0.527	87.5	20.9	31 W	12*	22*
5 26	2 1.93	+16 27.1	0.977	0.530	78.4	20.8	31 W	11*	22*
5 31	2 25.40	+16 38.9	1.064	0.542	69.8	20.8	30 W	10*	22*
6 5	2 49.46	+16 55.0	1.147	0.561	62.2	20.8	29 W	9*	21*
6 10	3 13.69	+17 12.4	1.224	0.586	55.6	20.8	28 W	8*	21*
6 15	3 37.76	+17 28.5	1.296	0.615	50.0	20.9	28 W	7*	20*
6 20	4 1.43	+17 41.4	1.361	0.647	45.3	21.0	27 W	7*	19*
6 25	4 24.58	+17 49.8	1.421	0.680	41.5	21.0	26 W	6*	19*
6 30	4 47.14	+17 53.1	1.474	0.714	38.4	21.1	26 W	6*	18*
7 5	5 9.09	+17 50.8	1.523	0.748	35.9	21.3	26 W	7*	18*
7 10	5 30.41	+17 42.7	1.567	0.781	33.9	21.3	25 W	7*	18*
7 15	5 51.12	+17 28.9	1.606	0.812	32.2	21.4	25 W	7*	18*
310442 2000 CH_{59}									
5 16	1 27.27	+11 13.3	0.863	0.518	90.6	21.3	31 W	8*	24*
5 21	1 51.61	+13 16.3	0.962	0.502	80.9	21.0	29 W	8*	22*
5 26	2 17.09	+15 12.6	1.062	0.498	70.7	20.9	28 W	8*	20*
5 31	2 43.48	+16 59.5	1.160	0.506	60.8	20.8	26 W	7*	18*
6 5	3 10.34	+18 33.9	1.252	0.526	51.7	20.8	24 W	6*	16*
6 10	3 37.21	+19 53.5	1.338	0.555	44.0	20.8	22 W	6*	15*
6 15	4 3.67	+20 57.0	1.417	0.591	37.7	20.9	21 W	5*	13*
6 20	4 29.45	+21 44.3	1.489	0.631	32.6	21.0	20 W	5*	12*
6 25	4 54.38	+22 16.3	1.555	0.673	28.7	21.2	19 W	5*	11*
6 30	5 18.36	+22 34.1	1.614	0.717	25.6	21.3	18 W	5*	10*
7 5	5 41.38	+22 39.2	1.669	0.760	23.3	21.4	17 W	5*	9*
368664 2005 JA_{22}									
5 16	2 5.75	+ 9 7.0	2.018	1.155	19.9	21.4	23 W	—	17*
5 21	2 24.55	+10 13.4	2.001	1.141	20.3	21.4	23 W	—	17*
5 26	2 43.68	+11 16.0	1.986	1.127	20.6	21.4	23 W	—	17*
5 31	3 3.13	+12 14.2	1.974	1.115	20.9	21.3	23 W	—	17*
6 5	3 22.88	+13 7.3	1.963	1.104	21.1	21.3	23 W	—	17*
6 10	3 42.89	+13 54.6	1.955	1.095	21.3	21.3	23 W	1*	17*
6 15	4 3.12	+14 35.6	1.948	1.088	21.4	21.3	23 W	1*	17*
6 20	4 23.52	+15 9.9	1.944	1.082	21.4	21.3	23 W	1*	17*
6 25	4 44.02	+15 36.9	1.942	1.079	21.3	21.2	23 W	2*	16*
6 30	5 4.57	+15 56.6	1.942	1.077	21.2	21.2	23 W	2*	16*
7 5	5 25.10	+16 8.6	1.944	1.077	21.1	21.2	22 W	3*	16*
7 10	5 45.56	+16 13.0	1.948	1.079	21.0	21.2	22 W	3*	16*
7 15	6 5.87	+16 9.9	1.954	1.083	20.8	21.3	22 W	4*	15*
7 20	6 25.97	+15 59.4	1.960	1.089	20.6	21.3	22 W	5*	15*
7 25	6 45.80	+15 41.8	1.969	1.096	20.4	21.3	22 W	5*	15*
7 30	7 5.33	+15 17.7	1.978	1.105	20.2	21.3	22 W	6*	15*
8 4	7 24.52	+14 47.3	1.988	1.116	20.0	21.3	22 W	7*	14*
8 9	7 43.33	+14 11.3	1.999	1.128	19.9	21.4	22 W	8*	14*
8 14	8 1.73	+13 30.1	2.011	1.142	19.8	21.4	22 W	9*	14*
8 19	8 19.71	+12 44.4	2.023	1.157	19.7	21.4	23 W	10*	14*
8 24	8 37.27	+11 54.8	2.035	1.173	19.7	21.5	23 W	11*	14*
462238 2008 CN_1									
5 16	2 8.24	+13 55.1	1.309	0.505	44.3	21.4	20 W	3*	14*
5 21	2 37.25	+16 58.0	1.380	0.518	36.5	21.4	18 W	3*	11*
5 26	3 6.62	+19 36.3	1.447	0.538	29.4	21.3	15 W	3*	8*
5 31	3 36.07	+21 47.6	1.507	0.565	23.4	21.4	13 W	2*	5*
6 5	4 5.29	+23 31.5	1.563	0.597	18.4	21.4	11 W	1*	3*
6 10	4 34.04	+24 48.4	1.615	0.632	14.5	21.5	9 W	1*	1*
339715 2005 SS_4									
5 16	2 13.76	+ 4 59.3	0.742	0.443	114.7	21.2	23 W	—	17*
5 18	2 9.91	+ 4 5.3	0.774	0.471	106.0	20.9	27 W	—	20*
5 20	2 7.42	+ 3 27.6	0.808	0.501	98.6	20.7	29 W	—	23*
5 22	2 6.03	+ 3 2.7	0.841	0.531	92.2	20.6	32 W	—	26*
5 24	2 5.52	+ 2 47.8	0.874	0.563	86.8	20.6	34 W	—	28*
5 26	2 5.68	+ 2 40.6	0.905	0.595	82.1	20.6	36 W	1*	30*
5 28	2 6.38	+ 2 39.2	0.935	0.628	78.1	20.7	37 W	2*	31*
5 30	2 7.49	+ 2 42.3	0.964	0.660	74.6	20.7	39 W	3*	33*
6 1	2 8.90	+ 2 48.8	0.991	0.692	71.6	20.8	40 W	4*	34*
6 3	2 10.56	+ 2 57.7	1.016	0.724	69.0	20.9	42 W	5*	36*
6 5	2 12.39	+ 3 8.4	1.040	0.756	66.6	20.9	43 W	6*	37*
6 10	2 17.46	+ 3 40.4	1.092	0.834	61.9	21.1	46 W	8*	40*
6 15	2 22.86	+ 4 15.6	1.135	0.910	58.3	21.3	50 W	11*	43*
6 20	2 28.28	+ 4 51.3	1.170	0.983	55.5	21.4	53 W	14*	45*
6 25	2 33.53	+ 5 25.7	1.197	1.053	53.2	21.6	56 W	17*	47*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
408980 2002 RB_{126}									
5 16	2 18.00	+ 4 14.2	0.732	0.444	116.4	20.7	23 W	—	17*
5 18	2 13.83	+ 3 52.1	0.767	0.465	107.8	20.4	26 W	—	20*
5 20	2 11.06	+ 3 44.5	0.803	0.489	100.2	20.2	28 W	—	22*
5 22	2 9.48	+ 3 48.0	0.839	0.515	93.7	20.1	31 W	—	24*
5 24	2 8.86	+ 4 0.0	0.874	0.542	88.0	20.1	32 W	—	26*
5 26	2 9.01	+ 4 18.2	0.908	0.571	83.1	20.1	34 W	1*	28*
5 28	2 9.75	+ 4 41.0	0.940	0.600	78.9	20.1	36 W	3*	29*
5 30	2 10.97	+ 5 6.9	0.972	0.630	75.2	20.2	37 W	4*	31*
6 1	2 12.56	+ 5 35.0	1.001	0.660	71.9	20.2	38 W	5*	32*
6 3	2 14.43	+ 6 4.5	1.029	0.690	69.1	20.3	39 W	6*	33*
6 5	2 16.51	+ 6 35.0	1.055	0.720	66.6	20.4	41 W	7*	34*
6 10	2 22.35	+ 7 52.7	1.114	0.794	61.6	20.5	43 W	10*	36*
6 15	2 28.65	+ 9 9.7	1.164	0.867	57.8	20.7	46 W	13*	38*
6 20	2 35.09	+10 24.3	1.204	0.938	54.9	20.9	49 W	17*	40*
6 25	2 41.45	+11 35.5	1.237	1.006	52.7	21.0	52 W	20*	41*
6 30	2 47.61	+12 43.3	1.262	1.072	50.8	21.1	55 W	24*	42*
7 5	2 53.48	+13 47.5	1.280	1.136	49.3	21.3	58 W	27*	43*
7 10	2 58.96	+14 48.3	1.292	1.198	48.0	21.4	61 W	31*	44*
7 15	3 3.99	+15 45.8	1.298	1.257	46.8	21.4	64 W	35*	45*
514596 2003 FG									
5 16	2 20.62	+ 6 28.4	0.827	0.383	107.4	21.1	21 W	—	15*
5 21	2 35.94	+10 29.1	0.979	0.355	85.0	20.3	20 W	—	14*
5 26	2 57.19	+14 43.9	1.131	0.366	62.1	19.9	19 W	—	12*
5 31	3 22.23	+18 40.7	1.268	0.413	44.2	19.9	16 W	2*	10*
6 5	3 48.47	+21 59.9	1.388	0.480	32.3	20.1	15 W	3*	7*
6 10	4 14.39	+24 38.6	1.493	0.557	24.9	20.3	13 W	4*	5*
6 15	4 39.33	+26 41.4	1.586	0.635	20.5	20.6	13 W	4*	3*
6 20	5 3.07	+28 14.2	1.672	0.714	17.8	20.9	12 W	5*	2*
6 25	5 25.54	+29 22.5	1.750	0.790	16.2	21.2	13 W	5*	1*
6 30	5 46.78	+30 10.9	1.823	0.863	15.3	21.4	13 W	6*	—
496230 2012 CL_2									
5 16	2 26.33	− 2 56.4	2.065	1.253	21.6	21.4	27 W	—	18*
5 26	3 4.81	− 1 21.8	2.004	1.202	23.0	21.3	28 W	—	19*
6 5	3 44.98	+ 0 12.7	1.959	1.159	23.9	21.2	28 W	—	19*
6 15	4 26.38	+ 1 44.0	1.932	1.125	24.2	21.1	27 W	—	18*
6 25	5 8.36	+ 3 8.4	1.923	1.101	23.7	21.0	26 W	—	18*
7 5	5 50.24	+ 4 22.8	1.932	1.089	22.6	21.0	24 W	—	17*
7 15	6 31.39	+ 5 24.4	1.955	1.090	21.0	21.0	23 W	—	16*
7 25	7 11.25	+ 6 11.6	1.990	1.103	19.2	21.0	21 W	—	14*
8 4	7 49.47	+ 6 44.0	2.033	1.128	17.4	21.0	19 W	—	13*
8 14	8 25.86	+ 7 2.3	2.080	1.163	15.9	21.1	18 W	—	12*
8 24	9 0.35	+ 7 7.9	2.128	1.207	15.0	21.2	18 W	3*	11*
9 3	9 32.98	+ 7 3.0	2.173	1.258	14.8	21.3	19 W	7*	11*
9 13	10 3.85	+ 6 50.1	2.214	1.315	15.2	21.5	20 W	10*	10*
190788 2001 RT_{17}									
5 16	2 31.85	+ 3 20.9	0.742	0.418	118.5	20.5	21 W	—	14*
5 18	2 24.06	+ 2 13.3	0.759	0.458	110.1	20.2	25 W	—	18*
5 20	2 17.64	+ 1 23.7	0.777	0.497	103.0	20.0	29 W	—	22*
5 22	2 12.39	+ 0 48.1	0.795	0.537	97.0	19.9	32 W	—	25*
5 24	2 8.15	+ 0 23.6	0.814	0.575	91.9	19.9	35 W	—	28*
5 26	2 4.72	+ 0 7.5	0.832	0.614	87.6	19.9	37 W	—	31*
5 28	2 1.98	− 0 2.0	0.849	0.651	83.8	19.9	40 W	1*	34*
5 30	1 59.78	− 0 6.5	0.866	0.688	80.6	20.0	42 W	2*	36*
6 1	1 58.03	− 0 7.1	0.881	0.724	77.7	20.0	44 W	3*	38*
6 3	1 56.64	− 0 4.8	0.894	0.759	75.2	20.1	46 W	5*	40*
6 5	1 55.54	− 0 0.2	0.907	0.794	72.9	20.1	48 W	6*	42*
6 10	1 53.69	+ 0 17.6	0.932	0.877	68.2	20.3	53 W	10*	47*
6 15	1 52.60	+ 0 40.3	0.950	0.955	64.4	20.4	58 W	14*	51*
6 20	1 51.80	+ 1 4.3	0.960	1.029	61.3	20.5	63 W	18*	54*
6 25	1 50.97	+ 1 27.8	0.964	1.100	58.6	20.5	67 W	21*	57*
6 30	1 49.85	+ 1 49.1	0.962	1.167	56.0	20.6	72 W	26*	59*
7 5	1 48.22	+ 2 7.4	0.955	1.231	53.6	20.6	77 W	30*	61*
7 10	1 45.87	+ 2 21.7	0.944	1.292	51.3	20.6	82 W	34*	61*
7 15	1 42.62	+ 2 31.3	0.928	1.350	48.8	20.6	88 W	38*	61
7 20	1 38.29	+ 2 35.5	0.911	1.405	46.2	20.6	93 W	41*	61
7 25	1 32.71	+ 2 33.8	0.891	1.458	43.4	20.5	100 W	44*	61
7 30	1 25.73	+ 2 25.4	0.871	1.508	40.3	20.5	106 W	46*	62
8 4	1 17.22	+ 2 9.9	0.851	1.557	36.9	20.4	113 W	47*	62
8 14	0 55.30	+ 1 15.6	0.818	1.647	29.1	20.2	128 W	46	63
8 24	0 27.41	− 0 7.4	0.804	1.730	19.9	20.0	144 W	45	64
9 3	23 55.94	− 1 48.9	0.818	1.805	9.9	19.8	162 W	43	66
9 8	23 40.06	− 2 41.1	0.838	1.840	5.0	19.7	171 W	42	67
9 13	23 24.83	− 3 31.0	0.867	1.873	0.3	19.4	180 W	41	68
9 18	23 10.70	− 4 16.5	0.905	1.905	4.2	19.9	172 E	41	68
9 23	22 58.01	− 4 56.1	0.952	1.936	8.3	20.2	164 E	40	69

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
190788 2001 RT_{17} *(continuation)*									
10 3	22 37.60	− 5 55.9	1.067	1.992	15.0	20.8	149 E	39	70
10 13	22 23.88	− 6 29.9	1.206	2.043	20.0	21.3	136 E	39	70
10 23	22 16.08	− 6 41.3	1.363	2.088	23.3	21.7	124 E	38	71
11 2	22 13.08	− 6 34.5	1.530	2.128	25.4	22.0	113 E	38	71
506491 2003 UW_{29}									
5 16	2 46.30	+16 57.3	0.906	0.209	114.7	21.5	11 W	—	4*
5 17	2 42.84	+16 41.9	0.941	0.226	101.5	20.9	13 W	—	6*
5 18	2 40.97	+16 32.2	0.978	0.246	90.6	20.7	14 W	1*	8*
5 19	2 40.34	+16 27.2	1.015	0.268	81.6	20.6	15 W	1*	9*
5 20	2 40.63	+16 25.9	1.051	0.291	74.2	20.6	16 W	2*	9*
5 21	2 41.60	+16 27.3	1.086	0.315	68.2	20.7	17 W	2*	10*
5 22	2 43.07	+16 30.8	1.119	0.340	63.1	20.7	17 W	2*	11*
5 23	2 44.89	+16 35.7	1.151	0.364	58.9	20.8	18 W	2*	11*
5 24	2 46.98	+16 41.8	1.182	0.389	55.3	20.9	18 W	3*	12*
5 25	2 49.25	+16 48.6	1.211	0.413	52.2	21.0	19 W	3*	12*
5 26	2 51.67	+16 56.0	1.240	0.437	49.6	21.1	19 W	3*	12*
5 28	2 56.75	+17 11.7	1.293	0.483	45.4	21.3	20 W	3*	13*
5 30	3 2.02	+17 28.0	1.342	0.529	42.1	21.5	20 W	4*	14*
6 1	3 7.36	+17 44.3	1.387	0.573	39.6	21.7	21 W	4*	14*
6 3	3 12.69	+18 0.3	1.430	0.615	37.6	21.8	22 W	5*	15*
393569 2003 JC_{13}									
5 16	3 8.41	+16 35.9	1.744	0.745	8.0	21.4	6 W	—	—
5 21	3 34.58	+17 42.2	1.763	0.758	6.1	21.4	5 W	—	—
5 26	4 0.55	+18 35.0	1.783	0.775	4.6	21.4	3 W	—	—
5 31	4 26.18	+19 14.4	1.805	0.794	3.7	21.4	3 W	—	—
6 5	4 51.39	+19 40.6	1.828	0.816	3.5	21.5	3 W	—	—
328563 Mosplanetarium									
5 16	3 42.96	+20 18.8	3.337	2.329	1.4	21.4	3 E	—	—
5 26	4 2.94	+21 2.4	3.377	2.365	0.8	21.4	2 W	—	—
6 5	4 22.63	+21 36.5	3.406	2.401	2.9	21.7	7 W	—	—
6 15	4 41.97	+22 1.2	3.422	2.437	4.9	21.8	12 W	—	5*
6 25	5 0.90	+22 16.7	3.426	2.472	6.9	22.0	17 W	4*	9*
376788 2000 RV_{37}									
5 16	4 7.71	+28 33.4	1.854	0.896	14.4	21.3	13 E	7*	—
5 21	4 30.44	+28 57.0	1.807	0.849	15.1	21.2	13 E	7*	—
5 26	4 54.41	+29 4.9	1.758	0.801	16.1	21.0	13 E	6*	—
5 31	5 19.60	+28 54.1	1.706	0.753	17.6	20.9	13 E	6*	—
6 5	5 45.92	+28 21.1	1.651	0.705	19.7	20.7	14 E	6*	2*
6 10	6 13.21	+27 22.7	1.592	0.659	22.6	20.6	14 E	6*	4*
6 15	6 41.23	+25 55.9	1.530	0.617	26.4	20.5	16 E	6*	6*
6 20	7 9.69	+23 58.6	1.464	0.580	31.5	20.4	17 E	5*	9*
6 25	7 38.21	+21 30.0	1.394	0.550	37.8	20.3	19 E	5*	12*
6 30	8 6.43	+18 31.7	1.319	0.531	45.1	20.4	22 E	4*	15*
7 5	8 34.07	+15 7.5	1.242	0.525	53.1	20.4	24 E	3*	18*
7 10	9 1.00	+11 23.0	1.162	0.531	61.0	20.5	27 E	2*	21*
7 15	9 27.32	+ 7 24.1	1.084	0.550	68.1	20.7	30 E	1*	24*
7 20	9 53.37	+ 3 16.1	1.010	0.580	73.9	20.8	33 E	—	27*
7 25	10 19.62	− 0 57.0	0.943	0.617	78.2	21.0	36 E	—	30*
7 30	10 46.63	− 5 12.0	0.883	0.659	81.0	21.1	40 E	—	33*
8 4	11 14.93	− 9 25.4	0.832	0.705	82.1	21.1	44 E	—	37*
8 9	11 44.94	−13 32.3	0.792	0.753	82.0	21.1	47 E	—	40*
8 14	12 16.90	−17 26.0	0.763	0.801	80.7	21.2	51 E	—	44*
8 19	12 50.75	−20 58.1	0.745	0.849	78.6	21.1	55 E	—	48*
8 24	13 26.13	−23 59.9	0.738	0.896	75.8	21.1	59 E	1*	52*
8 29	14 2.36	−26 24.7	0.742	0.942	72.6	21.2	63 E	3*	55*
9 3	14 38.55	−28 9.1	0.756	0.986	69.3	21.2	66 E	4*	59*
9 8	15 13.77	−29 13.7	0.779	1.029	66.0	21.3	69 E	6*	62*
9 13	15 47.23	−29 42.9	0.810	1.071	62.9	21.3	71 E	8*	64*
9 18	16 18.44	−29 42.8	0.849	1.111	60.0	21.4	73 E	10*	66*
350524 2000 EA_{137}									
5 16	4 19.24	+25 5.1	2.782	1.810	7.1	21.4	13 E	6*	1*
5 26	4 46.96	+26 7.9	2.768	1.778	5.5	21.3	10 E	3*	—
6 5	5 15.74	+26 53.1	2.752	1.749	4.0	21.2	7 E	1*	—
6 15	5 45.42	+27 18.3	2.733	1.723	2.9	21.1	5 E	—	—
6 25	6 15.76	+27 21.6	2.712	1.700	2.4	21.0	4 E	—	—
7 5	6 46.51	+27 1.9	2.692	1.680	2.9	21.0	5 W	—	—
7 15	7 17.37	+26 18.6	2.670	1.665	4.0	21.0	7 W	—	—
7 25	7 48.06	+25 12.1	2.650	1.653	5.3	21.0	9 W	2*	—
8 4	8 18.32	+23 43.6	2.630	1.645	6.7	21.1	11 W	5*	—
8 14	8 47.96	+21 55.1	2.610	1.641	8.1	21.1	13 W	7*	—
8 24	9 16.81	+19 49.1	2.592	1.641	9.6	21.2	16 W	9*	2*
9 3	9 44.78	+17 28.5	2.574	1.646	11.0	21.2	18 W	12*	3*
9 13	10 11.84	+14 56.4	2.556	1.655	12.5	21.3	21 W	14*	5*
9 23	10 37.98	+12 16.0	2.537	1.668	14.0	21.3	24 W	17*	7*
10 3	11 3.24	+ 9 30.4	2.518	1.684	15.4	21.4	27 W	20*	9*
10 13	11 27.64	+ 6 42.4	2.497	1.705	16.9	21.4	30 W	23*	11*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
175168 2005 EQ_{118}									
5 16	4 29.60	+22 59.0	3.314	2.347	6.1	21.4	14 E	6*	4*
5 26	4 49.73	+23 28.7	3.310	2.316	4.1	21.3	9 E	1*	1*
6 5	5 10.41	+23 49.6	3.295	2.285	2.0	21.1	4 E	—	—
6 15	5 31.61	+24 0.8	3.268	2.253	0.4	20.9	1 W	—	—
6 25	5 53.24	+24 1.2	3.231	2.220	2.3	21.0	5 W	—	—
7 5	6 15.24	+23 50.1	3.184	2.187	4.4	21.1	9 W	1*	2*
7 15	6 37.54	+23 27.0	3.127	2.154	6.5	21.1	14 W	4*	5*
7 25	7 0.05	+22 51.3	3.062	2.121	8.6	21.2	18 W	8*	8*
8 4	7 22.72	+22 2.7	2.988	2.087	10.7	21.1	22 W	12*	11*
8 14	7 45.47	+21 1.1	2.908	2.053	12.8	21.1	27 W	17*	13*
8 24	8 8.24	+19 46.4	2.821	2.020	14.9	21.1	31 W	21*	16*
9 3	8 30.99	+18 19.0	2.728	1.986	16.9	21.1	35 W	25*	18*
9 13	8 53.67	+16 39.2	2.630	1.953	18.9	21.0	39 W	29*	20*
9 23	9 16.24	+14 47.4	2.529	1.921	20.9	21.0	43 W	33*	22*
10 3	9 38.72	+12 44.5	2.424	1.889	22.8	20.9	47 W	37*	24*
10 13	10 1.08	+10 31.2	2.317	1.857	24.7	20.8	51 W	40*	27*
10 23	10 23.33	+ 8 8.7	2.208	1.827	26.5	20.7	55 W	42*	30*
11 2	10 45.50	+ 5 37.9	2.099	1.798	28.2	20.6	59 W	44*	33*
11 12	11 7.58	+ 3 0.5	1.989	1.771	29.8	20.5	63 W	44*	37*
11 22	11 29.60	+ 0 17.9	1.880	1.744	31.3	20.4	67 W	44*	41*
12 2	11 51.57	− 2 28.2	1.773	1.720	32.7	20.3	71 W	42*	46*
12 12	12 13.48	− 5 15.8	1.667	1.698	34.0	20.2	75 W	40	52*
12 22	12 35.29	− 8 2.8	1.564	1.678	35.1	20.0	79 W	37	57*
1 1	12 56.96	−10 47.1	1.464	1.661	36.0	19.9	83 W	34	64*
1 11	13 18.36	−13 26.3	1.367	1.646	36.6	19.7	87 W	32	70*
1 21	13 39.32	−15 57.9	1.274	1.634	37.0	19.6	92 W	29	77*
448972 2011 YV_{15}									
5 16	4 35.43	+25 56.6	2.851	1.903	8.6	21.5	16 E	9*	4*
5 26	5 0.94	+26 37.0	2.812	1.837	7.0	21.3	13 E	6*	2*
6 5	5 27.96	+27 3.0	2.765	1.772	5.4	21.1	9 E	3*	—
6 15	5 56.43	+27 11.3	2.713	1.708	3.9	20.9	7 E	—	—
6 25	6 26.25	+26 58.8	2.657	1.646	2.7	20.7	4 E	—	—
7 5	6 57.25	+26 22.5	2.600	1.586	2.3	20.5	4 E	—	—
7 15	7 29.23	+25 19.9	2.541	1.529	2.8	20.4	4 W	—	—
7 25	8 1.93	+23 49.2	2.485	1.476	3.7	20.4	5 W	—	—
8 4	8 35.09	+21 49.5	2.431	1.428	4.7	20.3	7 W	1*	—
8 14	9 8.47	+19 21.3	2.383	1.386	5.7	20.3	8 W	2*	—
8 24	9 41.81	+16 26.2	2.340	1.351	6.6	20.2	9 W	3*	—
9 3	10 14.97	+13 7.7	2.306	1.323	7.4	20.2	10 W	4*	—
9 13	10 47.84	+ 9 30.1	2.280	1.304	8.1	20.1	11 W	4*	—
9 18	11 4.14	+ 7 35.9	2.270	1.298	8.4	20.1	11 W	5*	—
9 23	11 20.36	+ 5 39.3	2.263	1.294	8.7	20.1	11 W	5*	—
9 28	11 36.48	+ 3 40.8	2.258	1.292	9.0	20.1	12 W	5*	1*
10 3	11 52.53	+ 1 41.4	2.255	1.293	9.3	20.1	12 W	6*	1*
10 8	12 8.50	− 0 18.2	2.254	1.297	9.7	20.2	13 W	6*	2*
10 13	12 24.39	− 2 17.0	2.255	1.303	10.0	20.2	13 W	6*	2*
10 18	12 40.20	− 4 14.4	2.258	1.311	10.3	20.2	14 W	7*	3*
10 23	12 55.94	− 6 9.6	2.263	1.321	10.7	20.3	14 W	7*	4*
10 28	13 11.62	− 8 1.9	2.269	1.334	11.1	20.3	15 W	7*	4*
11 2	13 27.24	− 9 50.6	2.277	1.349	11.5	20.3	16 W	8*	5*
11 12	13 58.28	−13 15.5	2.296	1.384	12.4	20.4	17 W	9*	7*
11 22	14 29.01	−16 20.5	2.318	1.425	13.4	20.6	19 W	9*	9*
12 2	14 59.37	−19 3.2	2.341	1.473	14.5	20.7	22 W	10*	12*
12 12	15 29.24	−21 22.3	2.364	1.526	15.6	20.8	25 W	11*	15*
12 22	15 58.47	−23 17.7	2.383	1.582	16.9	21.0	28 W	11*	19*
1 1	16 26.88	−24 50.0	2.399	1.642	18.2	21.1	31 W	11*	23*
1 11	16 54.29	−26 0.8	2.409	1.704	19.5	21.2	35 W	11*	28*
1 21	17 20.50	−26 52.1	2.411	1.768	20.8	21.4	40 W	11*	33*
289227 2004 XY_{60}									
5 16	4 43.02	+14 28.5	1.990	1.073	16.8	21.4	18 E	2*	11*
5 26	5 9.15	+16 15.9	1.956	1.009	14.7	21.2	15 E	—	8*
6 5	5 37.09	+17 55.7	1.893	0.922	12.8	20.9	12 E	—	6*
6 15	6 7.81	+19 28.7	1.797	0.809	11.2	20.4	9 E	—	3*
6 20	6 24.66	+20 12.7	1.734	0.741	10.8	20.1	8 E	—	2*
6 25	6 42.85	+20 54.9	1.661	0.663	10.7	19.8	7 E	—	1*
6 30	7 2.74	+21 35.0	1.573	0.575	11.6	19.4	7 E	—	—
7 5	7 24.80	+22 12.1	1.468	0.473	14.4	18.9	7 E	—	—
7 10	7 49.45	+22 44.0	1.336	0.354	22.3	18.3	8 E	—	1*
7 15	8 15.23	+23 2.3	1.153	0.218	46.8	17.7	9 E	1*	1*
7 16	8 19.47	+23 1.5	1.107	0.190	57.3	17.6	9 E	1*	1*
7 17	8 22.47	+22 56.9	1.055	0.164	72.0	17.6	9 E	1*	1*
7 18	8 23.22	+22 45.7	1.001	0.143	92.3	18.0	8 E	—	—
7 19	8 20.42	+22 23.9	0.947	0.131	118.7	19.1	7 E	—	—