2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
242643 2005 NZ_6									
5 11	22 6.95	−21 12.4	1.798	1.974	30.6	21.5	84 W	13*	78*
5 21	22 24.16	−20 31.2	1.574	1.869	32.8	21.1	90 W	15*	83*
5 31	22 42.80	−19 51.2	1.351	1.758	35.1	20.7	95 W	17*	84
6 10	23 3.91	−19 11.5	1.131	1.640	37.6	20.3	99 W	19*	83
6 15	23 15.96	−18 50.9	1.023	1.578	39.1	20.0	101 W	20*	83
6 20	23 29.47	−18 28.9	0.918	1.513	40.9	19.7	103 W	21*	82
6 25	23 45.02	−18 3.9	0.814	1.447	43.0	19.4	104 W	22*	82
6 30	0 3.45	−17 33.1	0.714	1.378	45.7	19.1	104 W	23*	82
7 2	0 11.90	−17 18.2	0.676	1.350	46.9	19.0	104 W	23*	81
7 4	0 21.12	−17 1.1	0.637	1.321	48.4	18.8	104 W	23*	81
7 6	0 31.25	−16 41.2	0.600	1.292	50.0	18.7	103 W	23*	81
7 8	0 42.42	−16 17.7	0.564	1.263	51.9	18.6	102 W	24*	80
7 10	0 54.82	−15 49.7	0.529	1.233	54.0	18.4	101 W	24*	80
7 12	1 8.65	−15 15.8	0.495	1.202	56.5	18.3	100 W	24*	79
7 14	1 24.14	−14 34.4	0.463	1.171	59.4	18.2	98 W	24*	79
7 16	1 41.52	−13 43.7	0.433	1.140	62.7	18.1	95 W	24*	78
7 18	2 1.02	−12 41.4	0.406	1.108	66.5	18.0	92 W	24*	77
7 20	2 22.85	−11 25.0	0.381	1.075	70.9	17.9	88 W	24*	75*
7 22	2 47.09	− 9 52.4	0.360	1.042	75.9	17.9	84 W	23*	73*
7 24	3 13.69	− 8 2.5	0.344	1.008	81.5	17.9	79 W	23*	69*
7 26	3 42.33	− 5 55.9	0.332	0.974	87.7	18.0	73 W	22*	64*
7 28	4 12.42	− 3 35.6	0.325	0.938	94.2	18.2	67 W	21*	59*
7 30	4 43.16	− 1 7.5	0.325	0.903	100.8	18.4	61 W	19*	53*
7 31	4 58.47	+ 0 7.2	0.327	0.884	104.1	18.5	58 W	19*	50*
8 1	5 13.60	+ 1 21.0	0.331	0.866	107.3	18.7	55 W	18*	47*
8 2	5 28.43	+ 2 33.0	0.336	0.848	110.4	18.9	52 W	17*	44*
8 3	5 42.87	+ 3 42.5	0.343	0.829	113.3	19.0	49 W	16*	41*
8 4	5 56.85	+ 4 48.9	0.351	0.810	116.1	19.2	46 W	16*	38*
8 5	6 10.31	+ 5 51.6	0.360	0.791	118.7	19.4	43 W	15*	35*
8 6	6 23.21	+ 6 50.4	0.371	0.772	121.1	19.6	41 W	14*	33*
8 7	6 35.52	+ 7 45.2	0.383	0.752	123.2	19.8	38 W	14*	31*
8 8	6 47.24	+ 8 36.0	0.397	0.732	125.2	20.0	36 W	13*	28*
8 9	6 58.37	+ 9 22.7	0.411	0.712	126.9	20.1	34 W	13*	26*
8 11	7 18.95	+10 44.8	0.443	0.672	129.6	20.4	31 W	12*	23*
8 13	7 37.44	+11 53.1	0.479	0.631	131.4	20.7	28 W	11*	20*
8 15	7 54.11	+12 49.5	0.518	0.589	132.2	20.8	25 W	11*	17*
8 17	8 9.27	+13 35.4	0.562	0.546	132.1	20.8	24 W	10*	15*
8 19	8 23.21	+14 12.2	0.609	0.503	130.9	20.6	22 W	10*	13*
8 21	8 36.25	+14 40.5	0.660	0.459	128.4	20.4	21 W	10*	11*
8 23	8 48.71	+15 0.7	0.716	0.415	124.6	20.0	20 W	10*	10*
8 25	9 0.95	+15 12.3	0.776	0.372	119.0	19.5	19 W	10*	8*
8 27	9 13.34	+15 13.9	0.842	0.331	111.2	18.9	18 W	10*	7*
8 29	9 26.33	+15 3.4	0.912	0.295	100.7	18.2	17 W	9*	5*
8 31	9 40.34	+14 37.5	0.987	0.266	87.1	17.6	15 W	8*	4*
9 2	9 55.62	+13 52.9	1.064	0.250	70.6	17.0	14 W	7*	2*
9 4	10 12.01	+12 48.7	1.138	0.249	53.1	16.6	11 W	5*	—
9 6	10 28.84	+11 28.4	1.206	0.264	37.0	16.4	9 W	3*	—
9 8	10 45.37	+ 9 58.0	1.267	0.292	24.0	16.4	7 W	1*	—
9 10	11 1.11	+ 8 23.7	1.321	0.328	14.5	16.4	5 W	—	—
9 12	11 15.88	+ 6 49.2	1.370	0.368	8.0	16.5	3 W	—	—
9 14	11 29.66	+ 5 16.9	1.415	0.411	4.6	16.6	2 E	—	—
9 16	11 42.55	+ 3 47.8	1.458	0.455	4.7	16.9	2 E	—	—
9 18	11 54.62	+ 2 22.5	1.499	0.498	6.2	17.2	3 E	—	—
9 23	12 21.80	− 0 53.5	1.598	0.606	8.9	17.9	5 E	—	—
9 28	12 45.59	− 3 45.9	1.693	0.709	9.9	18.4	7 E	—	1*
10 3	13 6.79	− 6 17.4	1.786	0.806	9.8	18.8	8 E	—	2*
10 8	13 25.97	− 8 30.8	1.877	0.899	9.1	19.1	8 E	—	2*
10 13	13 43.54	−10 28.8	1.966	0.988	8.0	19.4	8 E	—	2*
10 18	13 59.80	−12 13.4	2.052	1.072	6.8	19.6	7 E	—	1*
10 23	14 14.96	−13 46.6	2.136	1.153	5.5	19.8	6 E	—	—
10 28	14 29.21	−15 10.0	2.216	1.230	4.1	20.0	5 E	—	—
11 2	14 42.68	−16 24.7	2.293	1.304	2.8	20.1	4 E	—	—
11 7	14 55.47	−17 31.9	2.366	1.376	1.4	20.2	2 E	—	—
11 12	15 7.69	−18 32.6	2.434	1.444	0.6	20.2	1 W	—	—
11 17	15 19.38	−19 27.4	2.498	1.511	1.6	20.5	3 W	—	—
11 27	15 41.40	−21 1.9	2.612	1.637	4.3	20.9	7 W	—	—
12 7	16 1.85	−22 19.6	2.705	1.755	6.9	21.3	12 W	2*	5*
12 17	16 20.93	−23 23.4	2.778	1.867	9.3	21.6	18 W	5*	10*
12 27	16 38.73	−24 15.9	2.829	1.972	11.7	21.8	24 W	8*	16*
378009 2006 SG_{46}									
5 11	22 6.98	− 6 44.5	1.634	1.753	34.5	21.4	79 W	26*	68*
5 21	22 28.36	− 4 33.0	1.531	1.730	35.5	21.3	83 W	29*	68*
5 31	22 49.18	− 2 20.1	1.432	1.710	36.3	21.1	87 W	32*	66*
6 10	23 9.36	− 0 8.7	1.336	1.692	36.9	21.0	91 W	35*	64
6 20	23 28.76	+ 1 58.4	1.245	1.677	37.1	20.8	95 W	40*	62
6 30	23 47.16	+ 3 57.7	1.157	1.665	37.0	20.6	100 W	44*	60
7 10	0 4.32	+ 5 45.7	1.075	1.655	36.5	20.4	105 W	48*	58
7 20	0 19.89	+ 7 18.5	0.997	1.649	35.4	20.2	110 W	52*	57

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
378009 2006 SG_{46} *(continuation)*									
7 25	0 26.92	+ 7 57.8	0.960	1.647	34.6	20.1	113 W	53*	56
7 30	0 33.39	+ 8 31.7	0.925	1.645	33.7	20.0	116 W	54	55
8 4	0 39.22	+ 8 59.7	0.891	1.645	32.6	19.9	119 W	54	55
8 9	0 44.35	+ 9 21.3	0.859	1.645	31.3	19.8	123 W	54	55
8 19	0 52.19	+ 9 43.0	0.801	1.648	27.9	19.5	130 W	55	54
8 29	0 56.45	+ 9 33.3	0.753	1.654	23.6	19.3	139 W	55	54
9 8	0 56.99	+ 8 51.2	0.717	1.663	18.2	19.0	149 W	54	55
9 13	0 55.93	+ 8 18.6	0.704	1.669	15.2	18.9	154 W	53	56
9 18	0 54.10	+ 7 39.4	0.696	1.675	12.0	18.8	160 W	53	56
9 23	0 51.64	+ 6 54.8	0.692	1.682	8.6	18.6	166 W	52	57
9 28	0 48.77	+ 6 6.6	0.693	1.690	5.1	18.5	171 W	51	58
10 3	0 45.69	+ 5 16.9	0.698	1.698	1.6	18.3	177 W	50	59
10 8	0 42.62	+ 4 27.6	0.709	1.707	2.0	18.3	177 E	49	60
10 13	0 39.75	+ 3 40.7	0.725	1.717	5.4	18.6	171 E	49	60
10 18	0 37.28	+ 2 58.0	0.746	1.727	8.6	18.8	165 E	48	61
10 23	0 35.39	+ 2 21.1	0.772	1.738	11.7	19.1	159 E	47	62
10 28	0 34.19	+ 1 50.9	0.802	1.749	14.5	19.3	154 E	47	62
11 7	0 34.10	+ 1 12.8	0.876	1.773	19.4	19.6	144 E	46	63
11 17	0 37.15	+ 1 4.3	0.966	1.799	23.2	20.0	134 E	46	63
11 27	0 43.16	+ 1 22.6	1.068	1.827	26.1	20.3	125 E	46	63
12 7	0 51.73	+ 2 3.3	1.182	1.856	28.1	20.6	118 E	47	62
12 17	1 2.41	+ 3 1.4	1.304	1.886	29.3	20.9	110 E	48	61
12 27	1 14.85	+ 4 12.7	1.433	1.918	29.9	21.2	103 E	49	59*
1 6	1 28.69	+ 5 33.1	1.569	1.950	30.0	21.4	97 E	51	56*
249725 2000 SY_{25}									
5 11	22 7.82	− 4 54.5	2.224	2.250	26.1	21.5	78 W	27*	66*
5 21	22 21.29	− 3 11.9	2.079	2.219	27.0	21.3	84 W	31*	67*
5 31	22 33.83	− 1 29.5	1.935	2.187	27.6	21.2	90 W	34*	65
6 10	22 45.30	+ 0 11.0	1.792	2.156	27.9	21.0	96 W	38*	64
6 20	22 55.49	+ 1 47.9	1.652	2.124	27.8	20.8	103 W	43*	62
6 30	23 4.11	+ 3 18.6	1.517	2.092	27.2	20.5	110 W	47*	61
7 10	23 10.86	+ 4 40.5	1.388	2.060	26.1	20.3	117 W	50*	59
7 20	23 15.37	+ 5 50.0	1.268	2.027	24.3	20.0	125 W	51	58
7 30	23 17.26	+ 6 42.5	1.158	1.995	21.7	19.7	133 W	52	57
8 4	23 17.12	+ 7 0.8	1.107	1.980	20.2	19.5	138 W	52	57
8 9	23 16.24	+ 7 12.9	1.061	1.964	18.4	19.3	142 W	52	57
8 14	23 14.60	+ 7 18.3	1.018	1.948	16.4	19.2	147 W	52	57
8 19	23 12.22	+ 7 16.2	0.979	1.932	14.2	19.0	152 W	52	57
8 29	23 5.52	+ 6 48.6	0.916	1.902	9.6	18.6	162 W	52	57
9 8	22 57.08	+ 5 50.4	0.874	1.872	6.3	18.4	168 E	51	58
9 18	22 48.31	+ 4 27.6	0.853	1.842	8.1	18.3	165 E	49	60
9 23	22 44.33	+ 3 40.4	0.851	1.828	10.5	18.4	161 E	49	60
9 28	22 40.92	+ 2 51.8	0.854	1.814	13.2	18.5	156 E	48	61
10 3	22 38.22	+ 2 3.5	0.861	1.801	15.9	18.6	150 E	47	62
10 8	22 36.38	+ 1 17.2	0.874	1.787	18.6	18.7	145 E	46	63
10 13	22 35.47	+ 0 34.3	0.890	1.774	21.2	18.8	140 E	46	63
10 18	22 35.57	− 0 4.0	0.910	1.762	23.5	18.9	135 E	45	64
10 23	22 36.70	− 0 36.8	0.933	1.750	25.7	19.0	130 E	44	65
10 28	22 38.85	− 1 3.3	0.959	1.738	27.6	19.1	126 E	44	65
11 7	22 46.03	− 1 36.8	1.017	1.716	30.8	19.3	117 E	43	66
11 17	22 56.68	− 1 43.8	1.083	1.696	33.2	19.5	110 E	43	66
11 27	23 10.33	− 1 25.3	1.153	1.679	34.9	19.7	103 E	44	65*
12 7	23 26.44	− 0 44.0	1.226	1.663	36.0	19.8	97 E	44	62*
12 17	23 44.58	+ 0 17.3	1.302	1.651	36.6	19.9	91 E	45	58*
12 27	0 4.40	+ 1 35.5	1.379	1.641	36.7	20.1	86 E	47	54*
1 6	0 25.56	+ 3 7.0	1.458	1.634	36.5	20.2	82 E	48	49*
1 16	0 47.87	+ 4 48.4	1.537	1.630	36.0	20.3	77 E	50*	45*
424271 2007 TE_{36}									
5 11	22 19.03	−15 52.8	1.916	1.999	29.8	21.4	80 W	17*	73*
5 21	22 36.60	−14 9.4	1.783	1.967	30.8	21.2	85 W	19*	76*
5 31	22 53.40	−12 24.2	1.651	1.935	31.6	21.1	90 W	22*	76*
6 10	23 9.33	−10 38.3	1.522	1.903	32.1	20.9	95 W	26*	75
6 20	23 24.24	− 8 52.8	1.398	1.872	32.3	20.7	101 W	30*	73
6 30	23 37.86	− 7 9.0	1.277	1.842	32.0	20.4	106 W	34*	71
7 10	23 49.93	− 5 28.1	1.163	1.813	31.2	20.2	112 W	38*	69
7 20	0 0.07	− 3 51.5	1.055	1.784	29.9	19.9	119 W	41*	68
7 30	0 7.78	− 2 20.6	0.956	1.758	27.8	19.6	126 W	43	66
8 9	0 12.57	− 0 56.6	0.867	1.732	24.9	19.2	134 W	44	65
8 19	0 13.89	+ 0 19.0	0.789	1.709	20.9	18.9	143 W	45	64
8 29	0 11.42	+ 1 24.8	0.725	1.687	16.0	18.5	153 W	46	63
9 8	0 5.33	+ 2 20.3	0.677	1.668	10.0	18.1	163 W	47	62
9 18	23 56.47	+ 3 5.3	0.648	1.651	3.7	17.7	174 W	48	61
9 28	23 46.56	+ 3 42.3	0.638	1.636	5.0	17.7	172 E	49	60

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
424271 2007 TE_{36} *(continuation)*									
10 3	23 41.90	+ 3 59.1	0.641	1.630	8.3	17.9	166 E	49	60
10 8	23 37.77	+ 4 15.6	0.648	1.625	11.7	18.0	161 E	49	60
10 13	23 34.39	+ 4 32.4	0.659	1.620	15.0	18.2	155 E	50	59
10 18	23 31.95	+ 4 50.3	0.675	1.616	18.0	18.3	150 E	50	59
10 28	23 30.30	+ 5 32.0	0.717	1.610	23.4	18.6	140 E	51	58
11 7	23 33.13	+ 6 24.1	0.772	1.607	27.7	18.9	131 E	51	58
11 17	23 40.14	+ 7 27.9	0.837	1.608	31.0	19.2	123 E	52	57
11 27	23 50.84	+ 8 43.9	0.911	1.611	33.4	19.4	116 E	54	55
12 7	0 4.58	+10 10.8	0.992	1.618	35.0	19.7	110 E	55	54*
12 17	0 20.80	+11 46.3	1.078	1.627	35.9	19.9	104 E	57	51*
12 27	0 39.05	+13 28.5	1.170	1.639	36.4	20.1	99 E	58	48*
1 6	0 58.93	+15 14.5	1.266	1.654	36.4	20.3	94 E	60	44*
1 16	1 20.14	+17 1.6	1.367	1.672	36.0	20.5	89 E	62	40*
509025 2005 PR_4									
5 11	22 21.42	−19 37.9	1.880	1.983	30.2	21.5	81 W	13*	75*
5 21	22 41.89	−18 42.1	1.745	1.944	31.3	21.3	85 W	15*	79*
5 31	23 2.06	−17 49.0	1.615	1.907	32.1	21.1	90 W	17*	81*
6 10	23 21.87	−17 0.5	1.489	1.870	32.8	20.9	95 W	19*	81
6 20	23 41.20	−16 18.8	1.368	1.834	33.1	20.7	99 W	22*	80
6 30	23 59.86	−15 46.2	1.254	1.799	33.2	20.5	104 W	25*	80
7 10	0 17.63	−15 24.8	1.146	1.767	32.9	20.2	109 W	27*	79
7 20	0 34.17	−15 16.5	1.046	1.736	32.2	20.0	115 W	29*	79
7 30	0 49.04	−15 22.9	0.955	1.707	31.0	19.7	120 W	30*	79
8 9	1 1.71	−15 43.9	0.872	1.681	29.2	19.4	126 W	29	80
8 14	1 7.03	−15 59.5	0.834	1.669	28.2	19.3	129 W	29	80
8 19	1 11.55	−16 18.0	0.799	1.658	26.9	19.1	132 W	29	80
8 24	1 15.19	−16 38.8	0.767	1.647	25.6	19.0	135 W	28	81
8 29	1 17.89	−17 0.7	0.737	1.637	24.1	18.8	139 W	28	81
9 3	1 19.58	−17 22.6	0.711	1.628	22.4	18.7	142 W	28	81
9 8	1 20.23	−17 43.0	0.687	1.620	20.8	18.6	145 W	27	82
9 13	1 19.83	−18 0.4	0.667	1.613	19.1	18.4	148 W	27	82
9 18	1 18.41	−18 12.7	0.651	1.607	17.4	18.3	151 W	27	82
9 23	1 16.07	−18 17.9	0.638	1.601	16.0	18.2	154 W	27	82
9 28	1 12.97	−18 14.0	0.629	1.597	14.9	18.1	156 W	27	82
10 3	1 9.32	−17 59.5	0.625	1.593	14.4	18.1	157 W	27	82
10 8	1 5.34	−17 33.3	0.624	1.591	14.5	18.1	156 W	27	82
10 13	1 1.30	−16 54.9	0.628	1.589	15.3	18.1	155 E	28	81
10 18	0 57.46	−16 4.3	0.635	1.589	16.6	18.2	153 E	29	80
10 23	0 54.08	−15 2.1	0.647	1.589	18.2	18.3	150 E	30	79
10 28	0 51.37	−13 49.5	0.663	1.591	20.0	18.4	147 E	31	78
11 2	0 49.47	−12 28.2	0.683	1.593	21.9	18.5	143 E	33	76
11 7	0 48.47	−10 59.8	0.707	1.596	23.7	18.7	140 E	34	75
11 12	0 48.41	− 9 25.9	0.734	1.601	25.5	18.8	136 E	36	73
11 17	0 49.32	− 7 48.1	0.765	1.606	27.1	19.0	132 E	37	72
11 22	0 51.17	− 6 7.6	0.798	1.612	28.6	19.1	129 E	39	70
11 27	0 53.93	− 4 25.6	0.835	1.619	29.9	19.3	125 E	41	68
12 2	0 57.52	− 2 43.1	0.875	1.627	31.0	19.4	122 E	42	67
12 7	1 1.88	− 1 0.9	0.917	1.636	31.9	19.5	119 E	44	65
12 17	1 12.69	+ 2 20.3	1.009	1.656	33.3	19.8	112 E	47	62
12 27	1 25.89	+ 5 34.8	1.110	1.679	34.2	20.1	107 E	51	58*
1 6	1 41.04	+ 8 40.1	1.218	1.705	34.5	20.3	101 E	54	54*
1 16	1 57.81	+11 34.8	1.333	1.733	34.4	20.5	96 E	57	49*
125072 2001 UG									
5 11	22 22.63	−16 1.0	2.964	2.942	19.7	21.5	79 W	16*	72*
5 21	22 30.67	−15 40.8	2.831	2.950	20.0	21.4	87 W	19*	78*
5 31	22 37.23	−15 30.9	2.697	2.956	20.0	21.3	95 W	21*	80
6 10	22 42.09	−15 32.8	2.563	2.962	19.5	21.2	103 W	24*	80
6 20	22 45.04	−15 48.0	2.433	2.966	18.5	21.0	112 W	27*	80
6 30	22 45.83	−16 17.2	2.311	2.970	17.0	20.9	121 W	28*	80
7 10	22 44.29	−17 0.6	2.201	2.972	14.9	20.7	131 W	28	81
7 20	22 40.31	−17 56.6	2.107	2.973	12.2	20.5	142 W	27	82
7 30	22 33.96	−19 2.2	2.034	2.972	9.1	20.3	153 W	26	83
8 4	22 29.99	−19 36.9	2.007	2.972	7.4	20.2	158 W	25	84
8 9	22 25.58	−20 11.9	1.987	2.971	5.7	20.1	163 W	25	84
8 14	22 20.81	−20 46.4	1.973	2.970	4.3	20.0	167 W	24	85
8 19	22 15.78	−21 19.4	1.966	2.968	3.4	20.0	170 W	24	85
8 24	22 10.62	−21 50.2	1.967	2.966	3.6	20.0	169 E	23	86
8 29	22 5.46	−22 17.9	1.975	2.964	4.8	20.0	166 E	23	86
9 3	22 0.42	−22 42.1	1.990	2.962	6.4	20.1	161 E	22	87
9 8	21 55.63	−23 2.3	2.012	2.959	8.1	20.2	156 E	22	87
9 13	21 51.19	−23 18.2	2.041	2.956	9.7	20.3	150 E	22	87
9 18	21 47.20	−23 29.7	2.075	2.953	11.3	20.4	145 E	22	87
9 28	21 40.90	−23 39.7	2.161	2.946	14.2	20.6	134 E	21	88
10 8	21 37.10	−23 33.5	2.265	2.937	16.5	20.8	124 E	21	88
10 18	21 35.90	−23 13.4	2.382	2.928	18.2	21.0	114 E	22	87
10 28	21 37.22	−22 41.3	2.508	2.917	19.3	21.1	104 E	22	87

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
125072 2001 UG *(continuation)*									
11 7	21 40.83	−21 59.1	2.639	2.905	19.9	21.2	95 E	23	85*
11 17	21 46.46	−21 8.2	2.770	2.891	20.0	21.3	87 E	24	77*
11 27	21 53.83	−20 9.7	2.900	2.877	19.7	21.4	79 E	25	68*
12 7	22 2.66	−19 4.5	3.024	2.861	19.0	21.5	71 E	26	59*
12 17	22 12.70	−17 53.1	3.141	2.845	18.1	21.5	64 E	27*	51*
494999 2010 JU_{39}									
5 11	22 24.95	− 4 51.0	0.722	1.071	65.2	21.3	74 W	25*	64*
5 16	22 54.98	− 5 10.2	0.672	1.030	69.3	21.2	72 W	22*	63*
5 21	23 29.28	− 5 26.3	0.631	0.986	73.9	21.2	69 W	19*	61*
5 26	0 7.92	− 5 34.4	0.600	0.939	78.9	21.1	65 W	15*	58*
5 31	0 50.24	− 5 28.0	0.584	0.890	84.2	21.1	61 W	11*	54*
6 5	1 34.70	− 5 1.1	0.585	0.838	89.1	21.2	56 W	7*	50*
6 10	2 19.19	− 4 9.9	0.603	0.784	93.1	21.3	50 W	3*	44*
6 15	3 1.66	− 2 54.7	0.640	0.728	95.7	21.4	45 W	—	39*
6 20	3 40.81	− 1 17.5	0.694	0.670	96.3	21.4	41 W	—	35*
6 25	4 16.33	+ 0 39.3	0.763	0.612	94.8	21.3	37 W	—	30*
6 30	4 48.69	+ 2 55.0	0.845	0.554	90.7	21.2	33 W	—	27*
7 5	5 18.86	+ 5 29.9	0.939	0.501	83.9	20.9	29 W	—	23*
7 10	5 48.06	+ 8 23.3	1.041	0.457	74.2	20.6	26 W	—	20*
7 15	6 17.49	+11 30.8	1.146	0.427	61.7	20.2	22 W	—	16*
7 20	6 47.94	+14 41.2	1.248	0.417	47.9	20.0	18 W	—	12*
7 22	7 0.46	+15 54.4	1.286	0.420	42.4	19.9	16 W	1*	10*
7 24	7 13.14	+17 4.3	1.322	0.426	37.2	19.9	15 W	1*	8*
7 26	7 25.94	+18 9.7	1.356	0.436	32.5	19.8	13 W	2*	6*
7 28	7 38.81	+19 10.0	1.388	0.448	28.2	19.8	12 W	2*	5*
7 30	7 51.70	+20 4.5	1.418	0.463	24.6	19.8	11 W	2*	3*
8 4	8 23.67	+21 53.6	1.485	0.510	18.4	19.9	9 W	3*	—
8 9	8 54.80	+23 4.0	1.544	0.564	15.9	20.2	9 W	3*	—
8 14	9 24.66	+23 39.2	1.597	0.622	15.8	20.4	10 W	3*	—
8 19	9 53.00	+23 44.5	1.646	0.680	16.4	20.7	11 W	2*	—
8 24	10 19.71	+23 25.3	1.692	0.738	17.2	21.0	12 E	4*	—
8 29	10 44.80	+22 46.8	1.736	0.794	17.7	21.2	14 E	6*	—
9 3	11 8.31	+21 53.2	1.780	0.847	18.1	21.4	15 E	8*	—
461576 2004 PA_3									
5 11	22 26.27	−13 48.3	1.566	1.666	36.3	21.5	77 W	17*	70*
5 21	22 48.52	−11 13.1	1.477	1.653	37.2	21.3	81 W	20*	72*
5 31	23 9.74	− 8 33.0	1.390	1.642	37.9	21.2	85 W	24*	72*
6 10	23 29.83	− 5 50.4	1.306	1.634	38.4	21.1	89 W	28*	70
6 20	23 48.67	− 3 7.3	1.226	1.629	38.6	20.9	93 W	33*	67
6 30	0 6.01	− 0 26.2	1.148	1.626	38.3	20.8	97 W	38*	64
7 10	0 21.60	+ 2 10.8	1.073	1.626	37.7	20.6	102 W	43*	62
7 20	0 35.06	+ 4 41.5	1.003	1.629	36.5	20.4	108 W	48*	59
7 30	0 45.91	+ 7 3.2	0.936	1.634	34.7	20.3	114 W	52*	57
8 9	0 53.64	+ 9 13.1	0.875	1.642	32.1	20.0	121 W	54	55
8 19	0 57.66	+11 7.8	0.821	1.653	28.6	19.8	128 W	56	53
8 29	0 57.52	+12 42.6	0.777	1.666	24.2	19.6	137 W	58	51
9 8	0 53.19	+13 52.6	0.744	1.682	19.0	19.4	147 W	59	50
9 18	0 45.19	+14 33.2	0.727	1.700	13.1	19.1	157 W	60	49
9 23	0 40.23	+14 41.9	0.725	1.709	10.2	19.0	162 W	60	49
9 28	0 34.95	+14 43.4	0.729	1.719	7.7	18.9	167 W	60	49
10 3	0 29.63	+14 38.4	0.737	1.730	6.2	18.9	169 E	60	49
10 8	0 24.52	+14 28.0	0.750	1.741	6.5	19.0	169 E	59	50
10 13	0 19.86	+14 13.7	0.768	1.752	8.3	19.1	165 E	59	50
10 18	0 15.87	+13 57.0	0.792	1.764	10.6	19.3	161 E	59	50
10 23	0 12.70	+13 39.6	0.820	1.776	13.2	19.5	156 E	59	50
10 28	0 10.48	+13 22.9	0.853	1.788	15.6	19.7	151 E	58	51
11 2	0 9.22	+13 8.2	0.890	1.801	17.9	19.9	146 E	58	51
11 7	0 8.95	+12 56.2	0.932	1.814	20.0	20.0	141 E	58	51
11 17	0 11.22	+12 42.9	1.026	1.840	23.5	20.4	132 E	58	51
11 27	0 16.93	+12 45.9	1.132	1.868	26.1	20.7	123 E	58	51
12 7	0 25.50	+13 5.0	1.249	1.896	27.9	21.0	116 E	58	51
12 17	0 36.40	+13 38.7	1.374	1.925	29.0	21.3	108 E	59	50*
370651 2004 BX_{102}									
5 11	22 43.64	−22 29.2	2.641	2.608	22.2	21.5	77 W	8*	71*
5 21	22 55.18	−21 32.3	2.476	2.568	23.1	21.3	84 W	11*	78*
5 31	23 5.61	−20 41.1	2.309	2.528	23.6	21.1	90 W	14*	83*
6 10	23 14.73	−19 56.6	2.142	2.486	23.9	21.0	97 W	17*	84
6 20	23 22.29	−19 20.2	1.977	2.443	23.7	20.7	105 W	21*	83
6 30	23 27.90	−18 53.1	1.817	2.399	23.0	20.5	113 W	24*	83
7 10	23 31.19	−18 35.7	1.664	2.354	21.7	20.2	121 W	26*	83
7 20	23 31.66	−18 28.3	1.520	2.308	19.8	19.9	130 W	27	82
7 30	23 28.79	−18 29.7	1.390	2.261	16.9	19.6	140 W	27	82
8 9	23 22.22	−18 36.3	1.277	2.213	13.3	19.2	150 W	26	83
8 14	23 17.48	−18 39.9	1.228	2.189	11.2	19.0	155 W	26	83
8 19	23 11.81	−18 42.4	1.184	2.164	9.1	18.9	160 W	26	83

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
370651 2004 BX_{102} *(continuation)*									
8 24	23 5.28	−18 42.7	1.147	2.139	7.0	18.7	165 W	26	83
8 29	22 58.05	−18 39.5	1.115	2.115	5.4	18.5	169 W	26	83
9 3	22 50.29	−18 31.7	1.091	2.090	5.3	18.4	169 W	26	83
9 8	22 42.22	−18 18.4	1.072	2.065	6.8	18.4	166 E	27	82
9 13	22 34.10	−17 59.0	1.061	2.039	9.2	18.5	161 E	27	82
9 18	22 26.21	−17 33.1	1.056	2.014	11.9	18.6	156 E	27	82
9 23	22 18.80	−17 0.7	1.057	1.988	14.8	18.6	150 E	28	81
9 28	22 12.12	−16 22.1	1.063	1.963	17.6	18.7	144 E	29	80
10 3	22 6.33	−15 37.8	1.075	1.937	20.2	18.8	138 E	29	80
10 8	22 1.57	−14 48.6	1.090	1.912	22.7	18.9	132 E	30	79
10 18	21 55.40	−12 58.0	1.132	1.861	27.1	19.0	122 E	32	77
10 28	21 53.78	−10 54.5	1.184	1.810	30.6	19.2	112 E	34	75
11 7	21 56.40	− 8 40.8	1.241	1.759	33.2	19.3	103 E	36	73
11 17	22 2.77	− 6 18.0	1.300	1.709	35.1	19.4	96 E	39	69*
11 27	22 12.41	− 3 46.1	1.357	1.661	36.4	19.4	89 E	41	62*
12 7	22 24.85	− 1 4.8	1.412	1.614	37.3	19.5	83 E	44	54*
12 17	22 39.77	+ 1 46.3	1.461	1.569	37.7	19.5	77 E	47	47*
12 27	22 56.93	+ 4 47.5	1.506	1.527	37.8	19.5	72 E	49*	39*
1 6	23 16.16	+ 7 58.1	1.544	1.488	37.8	19.5	68 E	51*	33*
1 16	23 37.44	+11 17.1	1.578	1.453	37.6	19.5	64 E	52*	28*
247156 2000 YH_{29}									
5 11	22 55.57	−14 18.9	1.545	1.546	38.1	21.3	71 W	13*	65*
5 21	23 29.87	−13 13.0	1.419	1.475	40.9	21.1	73 W	13*	66*
5 31	0 7.05	−11 56.7	1.306	1.405	43.7	20.9	73 W	13*	67*
6 10	0 47.23	−10 28.4	1.211	1.337	46.6	20.7	73 W	13*	66*
6 20	1 30.22	− 8 47.2	1.136	1.273	49.5	20.5	72 W	14*	65*
6 30	2 15.33	− 6 54.0	1.083	1.213	52.2	20.4	70 W	15*	63*
7 10	3 1.53	− 4 51.5	1.052	1.160	54.5	20.3	68 W	17*	60*
7 20	3 47.61	− 2 44.7	1.041	1.115	56.1	20.3	66 W	19*	57*
7 25	4 10.22	− 1 41.6	1.042	1.096	56.7	20.2	64 W	20*	56*
7 30	4 32.40	− 0 39.7	1.047	1.080	57.0	20.2	63 W	21*	54*
8 4	4 54.06	+ 0 20.6	1.055	1.068	57.1	20.2	62 W	23*	53*
8 9	5 15.16	+ 1 18.6	1.066	1.058	57.0	20.2	61 W	24*	51*
8 19	5 55.52	+ 3 6.5	1.093	1.050	56.3	20.2	60 W	28*	48*
8 29	6 33.36	+ 4 41.6	1.124	1.055	55.1	20.3	59 W	31*	46*
9 8	7 8.74	+ 6 3.6	1.154	1.074	53.6	20.3	59 W	35*	44*
9 18	7 41.76	+ 7 13.3	1.179	1.106	52.1	20.4	60 W	39*	42*
9 28	8 12.45	+ 8 13.0	1.198	1.148	50.5	20.5	62 W	42*	41*
10 8	8 40.86	+ 9 6.3	1.209	1.200	49.0	20.5	65 W	46*	40*
10 18	9 6.98	+ 9 57.5	1.210	1.258	47.6	20.6	69 W	50*	40*
10 28	9 30.73	+10 52.1	1.203	1.322	46.0	20.7	73 W	53*	41*
11 7	9 52.01	+11 55.8	1.187	1.389	44.4	20.7	79 W	56*	42*
11 17	10 10.65	+13 14.7	1.163	1.458	42.5	20.7	85 W	58	43*
11 27	10 26.35	+14 55.3	1.133	1.529	40.2	20.7	92 W	60	44*
12 7	10 38.77	+17 3.4	1.100	1.601	37.3	20.6	100 W	62	44*
12 17	10 47.41	+19 43.3	1.068	1.672	33.8	20.6	109 W	65	44*
12 27	10 51.69	+22 55.9	1.040	1.743	29.6	20.5	119 W	68	41
1 1	10 52.04	+24 43.0	1.030	1.779	27.2	20.4	124 W	70	39
1 6	10 51.12	+26 35.6	1.023	1.814	24.8	20.4	129 W	72	37
1 11	10 48.90	+28 31.7	1.019	1.848	22.2	20.3	135 W	74	35
1 16	10 45.39	+30 28.7	1.021	1.883	19.7	20.3	140 W	75	34
369994 1999 RQ_{55}									
5 11	23 1.26	− 9 50.9	1.847	1.739	32.5	21.4	68 W	16*	61*
5 21	23 24.47	− 7 10.6	1.740	1.707	34.1	21.3	71 W	18*	63*
5 31	23 47.56	− 4 23.8	1.637	1.677	35.6	21.2	74 W	22*	64*
6 10	0 10.56	− 1 32.0	1.538	1.649	36.9	21.0	78 W	26*	64*
6 20	0 33.48	+ 1 23.2	1.443	1.624	38.1	20.9	81 W	30*	62*
6 30	0 56.27	+ 4 19.8	1.353	1.602	39.1	20.7	84 W	36*	60*
7 10	1 18.85	+ 7 15.8	1.267	1.583	39.9	20.6	87 W	42*	57
7 20	1 41.13	+10 9.4	1.187	1.567	40.4	20.4	90 W	48*	54
7 30	2 2.88	+12 58.3	1.110	1.555	40.6	20.3	94 W	53*	51
8 9	2 23.83	+15 40.8	1.039	1.547	40.5	20.1	98 W	59*	48
8 19	2 43.61	+18 15.6	0.971	1.543	39.9	20.0	102 W	63*	46
8 24	2 52.89	+19 29.6	0.939	1.542	39.4	19.9	104 W	64*	45
8 29	3 1.66	+20 41.2	0.909	1.543	38.8	19.8	107 W	66	43
9 3	3 9.85	+21 50.3	0.879	1.544	38.0	19.7	110 W	67	42
9 8	3 17.37	+22 57.0	0.851	1.547	37.0	19.6	112 W	68	41
9 13	3 24.10	+24 0.9	0.823	1.550	35.9	19.5	116 W	69	40
9 18	3 29.94	+25 2.0	0.798	1.555	34.5	19.4	119 W	70	39
9 23	3 34.77	+26 0.0	0.774	1.560	32.9	19.3	122 W	71	38
9 28	3 38.50	+26 54.7	0.751	1.567	31.1	19.2	126 W	72	37
10 3	3 41.05	+27 45.7	0.731	1.574	29.1	19.1	130 W	73	36
10 8	3 42.33	+28 32.5	0.713	1.582	26.8	19.0	134 W	74	35
10 13	3 42.31	+29 14.2	0.698	1.592	24.3	18.9	139 W	74	35
10 18	3 40.98	+29 50.0	0.686	1.601	21.6	18.8	144 W	75	34
10 23	3 38.42	+30 19.0	0.677	1.612	18.7	18.6	149 W	75	34

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
369994 1999 RQ_{55} *(continuation)*									
10 28	3 34.80	+30 40.4	0.672	1.624	15.7	18.5	154 W	76	33
11 2	3 30.32	+30 53.7	0.671	1.636	12.8	18.5	159 W	76	33
11 7	3 25.26	+30 58.5	0.675	1.649	10.0	18.4	163 W	76	33
11 12	3 19.93	+30 55.1	0.684	1.662	8.0	18.3	167 W	76	33
11 17	3 14.68	+30 44.2	0.697	1.677	7.2	18.4	168 E	76	33
11 22	3 9.83	+30 27.3	0.716	1.691	8.0	18.5	166 E	75	34
11 27	3 5.66	+30 5.9	0.740	1.707	9.9	18.7	163 E	75	34
12 2	3 2.37	+29 41.9	0.768	1.723	12.3	18.8	158 E	75	34
12 7	3 0.07	+29 16.9	0.801	1.739	14.7	19.0	153 E	74	35
12 12	2 58.84	+28 52.3	0.839	1.756	17.0	19.2	149 E	74	35
12 17	2 58.70	+28 29.4	0.881	1.773	19.2	19.4	144 E	73	36
12 22	2 59.63	+28 8.9	0.927	1.790	21.1	19.6	139 E	73	36
12 27	3 1.58	+27 51.5	0.977	1.808	22.8	19.8	135 E	73	36
1 1	3 4.46	+27 37.4	1.030	1.826	24.3	20.0	130 E	73	36
1 6	3 8.20	+27 26.4	1.086	1.845	25.5	20.2	126 E	72	37
1 11	3 12.71	+27 18.6	1.145	1.863	26.6	20.3	122 E	72	37
1 16	3 17.93	+27 13.6	1.207	1.882	27.5	20.5	118 E	72	37
397474 2007 PP_6									
5 11	23 5.49	−21 8.0	1.928	1.878	30.7	21.4	72 W	6*	65*
5 16	23 17.13	−20 37.2	1.821	1.822	32.2	21.3	74 W	7*	68*
5 21	23 29.41	−20 4.7	1.715	1.764	33.8	21.1	76 W	7*	70*
5 26	23 42.44	−19 30.1	1.610	1.705	35.4	20.9	77 W	8*	71*
5 31	23 56.38	−18 52.7	1.506	1.645	37.2	20.8	79 W	9*	73*
6 5	0 11.41	−18 11.6	1.405	1.582	39.2	20.6	80 W	10*	74*
6 10	0 27.77	−17 25.3	1.306	1.518	41.3	20.4	81 W	10*	74*
6 15	0 45.73	−16 32.3	1.210	1.452	43.7	20.2	81 W	11*	75*
6 20	1 5.63	−15 30.2	1.118	1.384	46.4	20.0	81 W	12*	74*
6 25	1 27.83	−14 15.9	1.032	1.314	49.6	19.8	80 W	13*	73*
6 30	1 52.75	−12 45.7	0.953	1.242	53.2	19.6	78 W	14*	71*
7 5	2 20.82	−10 55.0	0.882	1.168	57.5	19.4	76 W	15*	68*
7 10	2 52.35	− 8 39.5	0.822	1.091	62.4	19.3	72 W	15*	65*
7 15	3 27.47	− 5 56.4	0.775	1.012	67.9	19.2	67 W	16*	60*
7 20	4 5.88	− 2 46.8	0.745	0.930	73.8	19.1	61 W	16*	54*
7 25	4 46.81	+ 0 42.5	0.734	0.846	79.7	19.0	55 W	16*	47*
7 30	5 29.11	+ 4 18.7	0.744	0.759	85.0	19.0	48 W	16*	40*
8 1	5 46.14	+ 5 43.6	0.754	0.724	86.7	19.0	45 W	15*	38*
8 3	6 3.11	+ 7 6.2	0.768	0.689	88.1	19.0	43 W	15*	35*
8 5	6 19.98	+ 8 25.5	0.785	0.653	89.2	19.0	40 W	15*	32*
8 7	6 36.72	+ 9 40.9	0.807	0.618	89.8	19.0	38 W	15*	29*
8 9	6 53.30	+10 51.7	0.831	0.583	89.8	18.9	35 W	15*	26*
8 14	7 34.16	+13 24.8	0.909	0.497	87.1	18.6	29 W	14*	20*
8 19	8 14.80	+15 16.9	1.006	0.422	78.7	18.2	24 W	12*	14*
8 24	8 56.22	+16 15.9	1.118	0.370	63.8	17.6	19 W	11*	8*
8 29	9 38.42	+16 7.1	1.235	0.359	44.3	17.2	14 W	8*	2*
8 31	9 55.07	+15 43.7	1.279	0.367	36.8	17.2	13 W	6*	—
9 2	10 11.31	+15 10.3	1.322	0.383	30.1	17.1	11 W	5*	—
9 4	10 26.97	+14 28.7	1.362	0.404	24.5	17.1	10 W	4*	—
9 6	10 41.97	+13 40.7	1.401	0.430	20.0	17.2	8 W	2*	—
9 8	10 56.25	+12 47.8	1.438	0.459	16.7	17.3	8 W	1*	—
9 10	11 9.80	+11 51.8	1.475	0.491	14.4	17.4	7 W	—	—
9 12	11 22.64	+10 53.7	1.510	0.524	13.0	17.6	7 E	—	—
9 14	11 34.81	+ 9 54.5	1.545	0.558	12.1	17.7	7 E	—	—
9 16	11 46.36	+ 8 55.0	1.580	0.593	11.6	17.9	7 E	—	—
9 18	11 57.33	+ 7 55.7	1.614	0.629	11.3	18.0	7 E	1*	—
9 23	12 22.49	+ 5 31.1	1.698	0.717	11.0	18.4	8 E	2*	—
9 28	12 44.93	+ 3 14.2	1.783	0.805	10.5	18.8	8 E	2*	—
10 3	13 5.16	+ 1 6.9	1.866	0.890	9.8	19.0	9 E	3*	—
10 8	13 23.60	− 0 50.5	1.949	0.973	9.0	19.3	9 E	3*	—
10 18	13 56.28	− 4 17.1	2.109	1.131	7.1	19.7	8 E	2*	—
10 28	14 24.75	− 7 9.7	2.261	1.280	5.4	20.0	7 E	1*	—
11 7	14 50.15	− 9 33.6	2.399	1.420	4.7	20.4	7 E	—	—
11 17	15 13.21	−11 33.6	2.523	1.552	5.4	20.7	8 W	2*	—
11 27	15 34.38	−13 13.2	2.629	1.676	7.0	21.0	12 W	6*	—
12 7	15 53.96	−14 35.7	2.717	1.795	9.0	21.3	17 W	10*	3*
471323 2011 KW_{15}									
5 11	23 34.45	− 1 18.0	0.908	0.918	67.2	21.4	57 W	17*	49*
5 16	23 59.65	+ 3 48.4	0.900	0.873	69.6	21.3	54 W	19*	45*
5 21	0 26.08	+ 8 58.1	0.903	0.828	71.4	21.3	51 W	20*	41*
5 26	0 53.87	+14 0.1	0.917	0.783	72.6	21.2	48 W	21*	36*
5 31	1 23.14	+18 42.9	0.943	0.741	72.9	21.2	44 W	22*	32*
6 5	1 53.94	+22 55.9	0.981	0.701	72.1	21.1	41 W	23*	27*
6 10	2 26.23	+26 30.4	1.028	0.665	70.0	21.0	38 W	22*	23*
6 15	2 59.80	+29 19.7	1.084	0.634	66.6	20.9	35 W	22*	19*
6 20	3 34.29	+31 20.2	1.148	0.611	62.0	20.8	32 W	21*	15*
6 25	4 9.12	+32 30.9	1.216	0.597	56.5	20.7	29 W	19*	12*
6 30	4 43.58	+32 53.9	1.287	0.592	50.3	20.7	27 W	18*	10*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		471323 2011 KW_{15} *(continuation)*							
	h m	° ′			°	m	°	°	°
7 5	5 16.98	+32 33.9	1.357	0.598	44.1	20.6	24 W	16*	8*
7 10	5 48.73	+31 37.6	1.427	0.614	38.1	20.6	22 W	14*	6*
7 15	6 18.46	+30 12.7	1.493	0.638	32.7	20.7	20 W	12*	5*
7 20	6 46.00	+28 26.6	1.556	0.670	28.2	20.7	18 W	11*	5*
7 25	7 11.38	+26 25.8	1.616	0.706	24.5	20.8	17 W	9*	4*
7 30	7 34.73	+24 15.5	1.671	0.747	21.6	20.9	16 W	8*	4*
8 4	7 56.27	+21 59.5	1.724	0.790	19.5	21.1	15 W	7*	4*
8 9	8 16.20	+19 40.7	1.773	0.834	18.1	21.2	15 W	6*	5*
8 14	8 34.74	+17 21.0	1.819	0.879	17.1	21.3	15 W	6*	6*
8 19	8 52.08	+15 1.9	1.863	0.924	16.6	21.5	15 W	6*	6*
		206378 2003 RB							
5 11	23 40.82	− 3 8.8	1.345	1.147	47.0	21.4	56 W	15*	49*
5 16	0 0.26	− 0 32.6	1.325	1.122	47.9	21.4	55 W	15*	48*
5 21	0 19.95	+ 2 6.3	1.310	1.099	48.7	21.3	55 W	16*	47*
5 26	0 39.89	+ 4 46.2	1.299	1.078	49.4	21.3	54 W	17*	45*
5 31	1 0.09	+ 7 24.9	1.292	1.060	49.9	21.2	53 W	19*	44*
6 5	1 20.56	+10 0.6	1.290	1.043	50.2	21.2	52 W	20*	42*
6 10	1 41.30	+12 31.2	1.291	1.029	50.4	21.2	51 W	21*	40*
6 15	2 2.29	+14 54.9	1.296	1.018	50.3	21.2	50 W	22*	38*
6 20	2 23.52	+17 9.9	1.304	1.010	50.1	21.2	50 W	24*	37*
6 25	2 44.94	+19 14.6	1.316	1.005	49.8	21.2	49 W	25*	35*
6 30	3 6.49	+21 7.8	1.329	1.003	49.3	21.2	48 W	26*	33*
7 5	3 28.12	+22 48.4	1.345	1.005	48.7	21.2	48 W	28*	32*
7 10	3 49.75	+24 15.9	1.362	1.009	48.0	21.2	48 W	29*	30*
7 15	4 11.30	+25 30.0	1.381	1.017	47.2	21.2	47 W	30*	29*
7 20	4 32.67	+26 30.5	1.400	1.028	46.4	21.3	47 W	31*	27*
7 25	4 53.74	+27 17.7	1.419	1.042	45.6	21.3	47 W	33*	26*
7 30	5 14.43	+27 52.1	1.438	1.058	44.9	21.3	47 W	34*	26*
8 4	5 34.64	+28 14.4	1.457	1.076	44.1	21.4	48 W	35*	25*
8 9	5 54.30	+28 25.6	1.475	1.097	43.4	21.4	48 W	36*	24*
8 14	6 13.35	+28 26.5	1.492	1.120	42.8	21.5	49 W	38*	24*
		253898 2004 BY_{102}							
5 11	23 49.69	−25 3.6	3.159	2.888	18.5	21.5	65 W	—	56*
5 21	0 3.30	−24 43.6	3.021	2.864	19.6	21.4	71 W	—	63*
5 31	0 16.26	−24 34.5	2.879	2.840	20.4	21.3	78 W	1*	70*
6 10	0 28.46	−24 37.7	2.735	2.815	21.0	21.2	84 W	4*	77*
6 20	0 39.74	−24 55.0	2.590	2.788	21.4	21.0	90 W	8*	84*
6 30	0 49.88	−25 28.0	2.447	2.761	21.4	20.9	97 W	11*	89
7 10	0 58.65	−26 17.9	2.307	2.732	21.2	20.7	104 W	14*	90
7 20	1 5.71	−27 25.3	2.173	2.703	20.6	20.6	111 W	15*	89
7 30	1 10.70	−28 50.0	2.048	2.673	19.7	20.4	117 W	16*	87
8 9	1 13.20	−30 29.8	1.935	2.641	18.5	20.2	124 W	15	86
8 14	1 13.38	−31 24.2	1.883	2.625	17.8	20.1	127 W	14	85
8 19	1 12.78	−32 20.5	1.835	2.609	17.1	20.0	131 W	13	84
8 24	1 11.36	−33 17.8	1.791	2.592	16.4	19.9	133 W	12	83
8 29	1 9.10	−34 14.6	1.752	2.576	15.8	19.8	136 W	11	82
9 3	1 5.99	−35 9.6	1.717	2.559	15.2	19.8	138 W	10	81
9 8	1 2.05	−36 1.3	1.688	2.542	14.8	19.7	140 W	9	80
9 13	0 57.33	−36 48.0	1.663	2.524	14.6	19.6	141 W	8	79
9 18	0 51.92	−37 28.1	1.644	2.506	14.6	19.6	141 W	8	79
9 23	0 45.95	−37 59.8	1.631	2.489	14.9	19.6	141 W	7	78
9 28	0 39.58	−38 22.0	1.623	2.470	15.3	19.6	139 W	7	78
10 3	0 33.01	−38 33.5	1.620	2.452	16.0	19.6	137 E	6	77
10 8	0 26.44	−38 33.9	1.622	2.434	16.9	19.6	135 E	6	77
10 13	0 20.06	−38 22.8	1.629	2.415	17.8	19.6	132 E	7	78
10 18	0 14.09	−38 0.5	1.640	2.396	18.8	19.6	129 E	7	78
10 23	0 8.68	−37 27.3	1.656	2.377	19.9	19.7	126 E	8	79
10 28	0 3.98	−36 44.2	1.675	2.358	20.9	19.7	122 E	8	79
11 2	0 0.08	−35 52.1	1.698	2.338	21.9	19.8	118 E	9	80
11 7	23 57.03	−34 52.0	1.724	2.319	22.9	19.8	115 E	10	81
11 12	23 54.86	−33 45.0	1.753	2.299	23.7	19.8	111 E	11	82
11 17	23 53.58	−32 32.1	1.784	2.279	24.5	19.9	107 E	12	83
11 22	23 53.17	−31 14.1	1.816	2.259	25.2	19.9	103 E	14	85
11 27	23 53.58	−29 51.9	1.850	2.238	25.8	20.0	100 E	15	86
12 2	23 54.78	−28 26.3	1.885	2.218	26.2	20.0	96 E	17	88
12 7	23 56.70	−26 57.8	1.921	2.198	26.6	20.0	93 E	18	86*
12 12	23 59.31	−25 26.9	1.958	2.177	26.9	20.1	89 E	20	82*
12 17	0 2.54	−23 54.0	1.994	2.156	27.1	20.1	86 E	21	77*
12 22	0 6.36	−22 19.4	2.030	2.136	27.2	20.1	82 E	23	73*
12 27	0 10.71	−20 43.4	2.066	2.115	27.2	20.1	79 E	24	68*
1 1	0 15.55	−19 6.4	2.102	2.094	27.1	20.1	76 E	26	64*
1 6	0 20.84	−17 28.3	2.136	2.073	27.0	20.1	73 E	28	60*
1 11	0 26.55	−15 49.4	2.170	2.052	26.8	20.1	70 E	29*	56*
1 16	0 32.66	−14 9.9	2.203	2.031	26.5	20.2	67 E	31*	53*
		383449 2006 WK_{127}							
5 11	23 50.09	−21 10.7	2.770	2.482	21.3	21.4	63 W	—	55*
5 21	0 7.53	−20 54.1	2.632	2.450	22.6	21.3	69 W	1*	61*
5 31	0 24.80	−20 47.6	2.492	2.417	23.8	21.2	74 W	3*	67*
6 10	0 41.86	−20 53.1	2.352	2.384	24.7	21.1	79 W	6*	73*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		383449 2006 WK_{127} *(continuation)*							
	h m	° ′			°	m	°	°	°
6 20	0 58.62	−21 12.6	2.213	2.350	25.5	20.9	85 W	8*	79*
6 30	1 14.96	−21 48.5	2.077	2.316	26.0	20.8	90 W	11*	84*
7 10	1 30.72	−22 42.6	1.945	2.281	26.3	20.6	96 W	14*	87
7 20	1 45.69	−23 56.6	1.818	2.245	26.4	20.4	101 W	16*	88
7 30	1 59.56	−25 31.7	1.700	2.209	26.2	20.3	106 W	17*	90
8 9	2 11.98	−27 27.9	1.590	2.173	25.8	20.1	111 W	17*	89
8 14	2 17.51	−28 33.6	1.538	2.155	25.5	20.0	114 W	16*	87
8 19	2 22.48	−29 43.9	1.490	2.136	25.2	19.9	116 W	15	86
8 24	2 26.84	−30 58.3	1.444	2.118	24.9	19.8	118 W	14	85
8 29	2 30.49	−32 15.9	1.401	2.100	24.5	19.7	120 W	13	84
9 3	2 33.37	−33 35.7	1.361	2.081	24.2	19.6	122 W	11	82
9 8	2 35.41	−34 56.7	1.324	2.063	23.9	19.5	124 W	10	81
9 13	2 36.51	−36 17.6	1.291	2.045	23.7	19.4	125 W	9	80
9 18	2 36.60	−37 36.5	1.261	2.026	23.5	19.3	126 W	7	78
9 23	2 35.64	−38 51.5	1.234	2.008	23.4	19.3	127 W	6	77
9 28	2 33.62	−40 0.5	1.211	1.990	23.4	19.2	128 W	5	76
10 3	2 30.55	−41 1.4	1.191	1.972	23.6	19.2	128 W	4	75
10 8	2 26.50	−41 52.0	1.174	1.954	23.8	19.1	128 W	3	74
10 13	2 21.58	−42 30.3	1.161	1.936	24.2	19.1	127 W	2	73
10 18	2 15.95	−42 54.4	1.150	1.918	24.7	19.1	127 W	2	73
10 23	2 9.85	−43 2.5	1.143	1.901	25.3	19.0	125 W	2	73
10 28	2 3.56	−42 53.7	1.139	1.884	25.9	19.0	124 E	2	73
11 2	1 57.35	−42 27.7	1.137	1.866	26.7	19.0	122 E	3	74
11 7	1 51.47	−41 44.4	1.138	1.850	27.5	19.0	120 E	3	74
11 12	1 46.17	−40 44.4	1.142	1.833	28.3	19.1	118 E	4	75
11 17	1 41.64	−39 28.7	1.148	1.817	29.2	19.1	116 E	6	77
11 22	1 38.03	−37 58.4	1.156	1.801	30.0	19.1	114 E	7	78
11 27	1 35.44	−36 15.2	1.166	1.785	30.9	19.1	112 E	9	80
12 2	1 33.88	−34 20.7	1.179	1.770	31.7	19.1	109 E	11	82
12 7	1 33.36	−32 16.5	1.193	1.755	32.5	19.2	107 E	13	84
12 12	1 33.84	−30 4.1	1.210	1.741	33.2	19.2	105 E	15	86
12 17	1 35.29	−27 44.9	1.228	1.727	33.9	19.2	102 E	17	88
12 22	1 37.67	−25 20.1	1.248	1.714	34.5	19.3	100 E	20	89
12 27	1 40.89	−22 51.2	1.269	1.701	35.0	19.3	97 E	22	87*
1 1	1 44.90	−20 19.3	1.293	1.689	35.5	19.4	95 E	25	83*
1 6	1 49.62	−17 45.3	1.317	1.677	35.8	19.4	92 E	27	78*
1 11	1 55.02	−15 10.1	1.343	1.667	36.2	19.4	90 E	30	74*
1 16	2 1.05	−12 34.5	1.371	1.656	36.4	19.5	88 E	32	70*
		299582 2006 GQ_2							
5 11	23 51.67	−25 25.4	1.607	1.497	37.8	21.4	65 W	—	56*
5 16	0 5.70	−23 57.0	1.549	1.468	39.1	21.3	66 W	—	58*
5 21	0 19.87	−22 22.7	1.491	1.438	40.4	21.2	67 W	—	59*
5 26	0 34.21	−20 42.2	1.434	1.407	41.8	21.2	68 W	—	60*
5 31	0 48.78	−18 54.6	1.378	1.374	43.2	21.1	68 W	1*	61*
6 5	1 3.63	−16 59.2	1.322	1.341	44.8	21.0	69 W	3*	62*
6 10	1 18.83	−14 55.2	1.268	1.307	46.4	20.9	69 W	5*	63*
6 15	1 34.47	−12 41.7	1.216	1.271	48.1	20.8	69 W	7*	63*
6 20	1 50.63	−10 17.7	1.165	1.235	50.0	20.7	69 W	9*	62*
6 25	2 7.42	− 7 42.3	1.117	1.198	52.0	20.5	68 W	12*	61*
6 30	2 24.97	− 4 54.7	1.071	1.160	54.0	20.4	67 W	15*	60*
7 10	3 2.97	+ 1 19.3	0.991	1.082	58.5	20.3	65 W	21*	55*
7 20	3 46.17	+ 8 21.1	0.929	1.003	63.3	20.1	62 W	27*	49*
7 30	4 36.30	+15 48.7	0.893	0.924	67.9	20.0	57 W	33*	40*
8 4	5 4.46	+19 27.2	0.887	0.885	69.8	19.9	55 W	35*	36*
8 9	5 34.82	+22 50.4	0.890	0.848	71.3	19.9	52 W	36*	31*
8 14	6 7.25	+25 48.1	0.902	0.813	72.2	19.9	50 W	37*	27*
8 19	6 41.39	+28 10.5	0.924	0.780	72.3	19.8	47 W	37*	22*
8 24	7 16.61	+29 49.7	0.954	0.751	71.6	19.8	45 W	37*	18*
8 29	7 52.08	+30 41.2	0.993	0.727	70.0	19.7	43 W	36*	14*
9 3	8 26.90	+30 44.5	1.039	0.708	67.5	19.7	40 W	34*	11*
9 8	9 0.27	+30 2.6	1.092	0.695	64.2	19.7	38 W	32*	8*
9 10	9 13.08	+29 34.4	1.114	0.692	62.8	19.7	38 W	32*	7*
9 12	9 25.54	+29 0.4	1.137	0.690	61.2	19.7	37 W	31*	6*
9 14	9 37.63	+28 21.0	1.160	0.689	59.6	19.7	36 W	30*	6*
9 16	9 49.33	+27 36.8	1.184	0.690	58.0	19.6	36 W	30*	5*
9 18	10 0.65	+26 48.2	1.207	0.691	56.3	19.6	35 W	29*	4*
9 23	10 27.27	+24 31.0	1.268	0.700	52.1	19.7	33 W	27*	3*
9 28	10 51.59	+21 56.9	1.328	0.715	48.0	19.7	32 W	26*	2*
10 3	11 13.82	+19 12.2	1.388	0.736	44.1	19.7	31 W	25*	2*
10 8	11 34.24	+16 22.1	1.445	0.763	40.7	19.8	30 W	24*	2*
10 13	11 53.10	+13 30.3	1.499	0.793	37.7	19.9	29 W	23*	2*
10 18	12 10.64	+10 39.7	1.550	0.827	35.2	20.0	29 W	23*	3*
10 23	12 27.07	+ 7 52.3	1.598	0.863	33.2	20.1	28 W	22*	4*
10 28	12 42.56	+ 5 9.4	1.642	0.901	31.6	20.2	28 W	22*	5*
11 7	13 11.35	− 0 0.2	1.719	0.979	29.5	20.4	29 W	22*	8*
11 17	13 37.96	− 4 46.8	1.780	1.059	28.5	20.6	31 W	22*	12*
11 27	14 3.01	− 9 10.4	1.826	1.137	28.4	20.8	33 W	23*	17*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
299582 2006 GQ_2 *(continuation)*									
12 7	14 26.94	−13 12.7	1.857	1.213	28.8	21.0	36 W	22*	22*
12 17	14 50.04	−16 56.0	1.872	1.286	29.5	21.2	40 W	22*	27*
12 27	15 12.46	−20 22.4	1.873	1.355	30.4	21.3	44 W	20*	33*
1 6	15 34.30	−23 34.3	1.859	1.419	31.4	21.4	49 W	19*	40*
436775 2012 LC_1									
5 21	0 10.66	−36 17.0	2.412	2.395	24.3	21.4	77 W	—	61*
5 31	0 29.09	−36 20.4	2.234	2.318	25.7	21.2	82 W	—	66*
6 10	0 47.82	−36 37.6	2.058	2.237	26.9	21.0	86 W	—	71*
6 20	1 6.96	−37 11.0	1.883	2.153	28.2	20.8	91 W	—	74*
6 30	1 26.61	−38 3.4	1.712	2.064	29.4	20.5	95 W	—	76*
7 10	1 46.91	−39 17.3	1.546	1.972	30.7	20.2	99 W	—	76*
7 20	2 8.12	−40 55.8	1.386	1.875	32.1	19.9	102 W	—	75
7 25	2 19.14	−41 55.3	1.308	1.825	32.9	19.8	103 W	—	74
7 30	2 30.53	−43 1.9	1.233	1.774	33.8	19.6	104 W	—	73
8 4	2 42.35	−44 16.0	1.159	1.721	34.8	19.4	105 W	—	72
8 9	2 54.73	−45 37.9	1.088	1.668	36.0	19.3	105 W	—	70
8 14	3 7.80	−47 8.0	1.018	1.612	37.3	19.1	105 W	—	69
8 19	3 21.76	−48 46.5	0.951	1.556	39.0	18.9	105 W	—	67
8 24	3 36.88	−50 33.4	0.885	1.498	40.9	18.7	104 W	—	65
8 29	3 53.59	−52 28.3	0.822	1.438	43.2	18.5	103 W	—	64
8 31	4 0.84	−53 16.5	0.797	1.414	44.2	18.5	102 W	—	63
9 2	4 8.50	−54 5.8	0.772	1.390	45.3	18.4	102 W	—	62
9 4	4 16.63	−54 56.2	0.748	1.365	46.5	18.3	101 W	—	61
9 6	4 25.29	−55 47.5	0.724	1.340	47.8	18.2	100 W	—	60
9 8	4 34.57	−56 39.7	0.700	1.315	49.1	18.2	99 W	—	59
9 10	4 44.58	−57 32.5	0.676	1.290	50.6	18.1	98 W	—	58
9 12	4 55.43	−58 25.5	0.653	1.264	52.2	18.0	97 W	—	58
9 14	5 7.27	−59 18.5	0.630	1.238	54.0	17.9	96 W	—	57
9 16	5 20.26	−60 10.7	0.607	1.212	55.8	17.9	94 W	—	56*
9 18	5 34.59	−61 1.3	0.585	1.186	57.9	17.8	93 W	—	55*
9 19	5 42.33	−61 25.8	0.574	1.172	58.9	17.8	92 W	—	54*
9 20	5 50.48	−61 49.4	0.563	1.159	60.1	17.7	91 W	—	54*
9 21	5 59.08	−62 12.0	0.552	1.145	61.2	17.7	90 W	—	53*
9 22	6 8.15	−62 33.4	0.541	1.132	62.4	17.7	89 W	—	53*
9 23	6 17.73	−62 53.3	0.530	1.118	63.7	17.6	88 W	—	52*
9 24	6 27.84	−63 11.4	0.520	1.105	65.1	17.6	87 W	—	52*
9 25	6 38.51	−63 27.4	0.509	1.091	66.4	17.6	86 W	—	51*
9 26	6 49.74	−63 40.9	0.499	1.077	67.9	17.5	85 W	—	51*
9 27	7 1.56	−63 51.5	0.489	1.064	69.4	17.5	83 W	—	50*
9 28	7 13.96	−63 58.7	0.479	1.050	71.0	17.5	82 W	—	50*
9 29	7 26.93	−64 2.0	0.469	1.036	72.7	17.5	81 W	—	49*
9 30	7 40.45	−64 0.9	0.459	1.022	74.4	17.5	79 W	—	48*
10 1	7 54.47	−63 54.7	0.449	1.008	76.2	17.4	78 W	—	48*
10 2	8 8.94	−63 43.0	0.440	0.994	78.1	17.4	76 W	—	47*
10 3	8 23.78	−63 25.0	0.431	0.980	80.1	17.4	75 W	—	46*
10 4	8 38.89	−63 0.2	0.422	0.966	82.2	17.4	73 W	—	45*
10 5	8 54.18	−62 27.9	0.413	0.952	84.4	17.4	71 W	—	44*
10 6	9 9.52	−61 47.7	0.405	0.937	86.7	17.4	69 W	—	43*
10 7	9 24.81	−60 59.1	0.397	0.923	89.2	17.5	67 W	—	43*
10 8	9 39.92	−60 1.6	0.389	0.909	91.7	17.5	65 W	—	42*
10 9	9 54.75	−58 55.1	0.382	0.895	94.3	17.5	63 W	—	40*
10 10	10 9.20	−57 39.1	0.376	0.880	97.1	17.6	61 W	—	39*
10 11	10 23.19	−56 13.8	0.370	0.866	99.9	17.6	59 W	—	38*
10 12	10 36.65	−54 39.2	0.364	0.851	102.9	17.7	56 W	—	37*
10 13	10 49.55	−52 55.4	0.359	0.837	106.0	17.8	54 W	—	36*
10 14	11 1.84	−51 2.7	0.355	0.823	109.2	17.9	51 W	—	34*
10 15	11 13.52	−49 1.7	0.351	0.808	112.5	18.1	48 W	—	33*
10 16	11 24.58	−46 53.0	0.349	0.794	115.9	18.3	46 W	—	31*
10 17	11 35.03	−44 37.4	0.347	0.780	119.3	18.5	43 W	—	30*
10 18	11 44.89	−42 15.7	0.346	0.765	122.8	18.7	40 W	—	28*
10 19	11 54.18	−39 49.1	0.346	0.751	126.3	18.9	37 W	—	26*
10 20	12 2.94	−37 18.6	0.347	0.737	129.8	19.2	35 W	—	25*
10 21	12 11.18	−34 45.7	0.350	0.723	133.3	19.6	32 W	—	23*
10 22	12 18.95	−32 11.5	0.353	0.709	136.6	19.9	29 W	—	21*
10 23	12 26.26	−29 37.5	0.358	0.695	139.8	20.3	27 W	—	19*
10 24	12 33.17	−27 4.8	0.363	0.681	142.7	20.7	24 W	—	18*
10 25	12 39.69	−24 34.7	0.370	0.667	145.4	21.1	22 W	—	16*
10 26	12 45.86	−22 8.4	0.378	0.654	147.6	21.5	21 W	—	15*
497117 2004 FU_4									
5 21	0 12.92	−24 1.1	1.416	1.419	41.8	21.4	69 W	—	61*
5 31	0 42.55	−21 22.3	1.336	1.386	43.7	21.3	71 W	—	64*
6 10	1 12.04	−18 28.0	1.257	1.351	45.6	21.2	72 W	3*	66*
6 20	1 41.62	−15 17.3	1.181	1.314	47.7	21.1	73 W	7*	67*
6 30	2 11.50	−11 48.6	1.107	1.275	49.9	20.9	74 W	12*	67*
7 10	2 42.02	− 7 59.4	1.036	1.234	52.3	20.8	74 W	17*	66*
7 20	3 13.67	− 3 47.0	0.969	1.193	54.9	20.6	74 W	23*	63*
7 30	3 47.03	+ 0 50.5	0.907	1.151	57.7	20.5	73 W	30*	59*
8 9	4 22.91	+ 5 53.7	0.852	1.109	60.6	20.3	72 W	36*	55*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
497117 2004 FU_4 *(continuation)*									
8 14	4 42.11	+ 8 33.8	0.827	1.089	62.1	20.3	72 W	39*	52*
8 19	5 2.32	+11 17.8	0.806	1.069	63.5	20.2	71 W	42*	49*
8 24	5 23.66	+14 3.9	0.787	1.050	64.9	20.2	70 W	45*	46*
8 29	5 46.26	+16 49.4	0.772	1.032	66.3	20.1	69 W	48*	43*
9 3	6 10.22	+19 30.6	0.760	1.014	67.5	20.1	68 W	50*	39*
9 8	6 35.57	+22 3.2	0.752	0.998	68.6	20.1	67 W	52*	36*
9 13	7 2.27	+24 22.6	0.749	0.983	69.5	20.1	66 W	54*	32*
9 18	7 30.17	+26 23.7	0.750	0.969	70.2	20.1	65 W	55*	29*
9 23	7 58.99	+28 2.5	0.755	0.957	70.6	20.1	64 W	55*	26*
9 28	8 28.34	+29 15.5	0.764	0.947	70.7	20.1	63 W	56*	23*
10 3	8 57.80	+30 0.8	0.777	0.939	70.6	20.1	62 W	55*	20*
10 8	9 26.89	+30 18.2	0.793	0.933	70.2	20.1	61 W	55*	18*
10 13	9 55.18	+30 9.0	0.813	0.929	69.5	20.1	61 W	55*	16*
10 18	10 22.30	+29 35.9	0.834	0.928	68.6	20.2	60 W	54*	14*
10 23	10 48.02	+28 42.1	0.858	0.928	67.6	20.2	60 W	54*	13*
10 28	11 12.21	+27 31.2	0.882	0.931	66.4	20.2	59 W	53*	12*
11 2	11 34.87	+26 6.5	0.907	0.936	65.1	20.2	59 W	53*	12*
11 7	11 56.04	+24 31.5	0.931	0.944	63.8	20.3	59 W	53*	12*
11 12	12 15.82	+22 48.8	0.955	0.953	62.5	20.3	59 W	52*	12*
11 17	12 34.32	+21 1.0	0.978	0.964	61.2	20.4	59 W	52*	13*
11 22	12 51.66	+19 10.0	1.000	0.977	60.0	20.4	59 W	52*	14*
11 27	13 7.97	+17 17.4	1.019	0.991	58.8	20.4	59 W	52*	16*
12 2	13 23.37	+15 24.3	1.036	1.007	57.7	20.5	60 W	52*	17*
12 7	13 37.98	+13 31.6	1.051	1.024	56.7	20.5	60 W	52*	20*
12 12	13 51.87	+11 40.1	1.063	1.042	55.8	20.5	61 W	51*	22*
12 17	14 5.12	+ 9 50.4	1.072	1.061	55.0	20.6	62 W	51*	25*
12 22	14 17.79	+ 8 2.8	1.078	1.080	54.2	20.6	63 W	50*	28*
12 27	14 29.94	+ 6 17.4	1.081	1.100	53.6	20.6	64 W	49*	31*
1 1	14 41.62	+ 4 34.4	1.081	1.121	53.0	20.7	66 W	48*	34*
1 6	14 52.85	+ 2 53.8	1.078	1.142	52.5	20.7	67 W	47*	37*
1 11	15 3.66	+ 1 15.4	1.071	1.162	52.0	20.7	69 W	45*	41*
1 16	15 14.05	− 0 20.8	1.062	1.183	51.6	20.7	71 W	44*	45*
4503 Cleobulus									
5 21	0 35.92	+ 2 2.0	3.451	2.924	15.6	21.5	51 W	14*	44*
5 31	0 48.14	+ 3 18.9	3.289	2.873	17.3	21.4	57 W	18*	49*
6 10	1 0.12	+ 4 33.0	3.120	2.821	18.8	21.3	64 W	22*	53*
6 20	1 11.81	+ 5 43.8	2.943	2.768	20.2	21.2	70 W	28*	55*
6 30	1 23.09	+ 6 50.4	2.762	2.714	21.4	21.0	77 W	34*	56*
7 10	1 33.84	+ 7 52.1	2.578	2.659	22.3	20.9	83 W	40*	56
7 20	1 43.89	+ 8 48.2	2.392	2.603	23.0	20.7	90 W	46*	55
7 30	1 53.04	+ 9 37.6	2.208	2.545	23.3	20.5	97 W	51*	54
8 9	2 1.02	+10 19.5	2.026	2.487	23.2	20.2	105 W	55*	54
8 19	2 7.51	+10 52.7	1.849	2.427	22.6	19.9	113 W	56	53
8 29	2 12.10	+11 15.8	1.681	2.367	21.4	19.6	121 W	56	53
9 8	2 14.38	+11 27.5	1.523	2.306	19.5	19.3	130 W	56	53
9 18	2 13.86	+11 26.4	1.378	2.244	16.7	18.9	140 W	56	53
9 28	2 10.18	+11 11.0	1.250	2.181	12.9	18.5	151 W	56	53
10 8	2 3.24	+10 41.2	1.143	2.117	8.2	18.1	162 W	56	53
10 18	1 53.36	+ 9 58.5	1.059	2.053	2.6	17.6	175 W	55	54
10 23	1 47.60	+ 9 33.7	1.026	2.021	1.0	17.3	178 E	55	54
10 28	1 41.55	+ 9 7.8	1.000	1.989	4.0	17.5	172 E	54	55
11 2	1 35.43	+ 8 41.9	0.980	1.957	7.3	17.5	165 E	54	55
11 7	1 29.45	+ 8 17.3	0.966	1.925	10.6	17.6	159 E	53	56
11 12	1 23.85	+ 7 55.2	0.958	1.892	14.0	17.7	153 E	53	56
11 17	1 18.85	+ 7 36.8	0.955	1.860	17.2	17.8	146 E	53	56
11 22	1 14.66	+ 7 23.3	0.957	1.828	20.2	17.8	140 E	52	57
11 27	1 11.41	+ 7 15.4	0.963	1.797	23.1	17.9	134 E	52	57
12 7	1 8.11	+ 7 18.5	0.984	1.734	28.3	18.0	123 E	52	57
12 17	1 9.33	+ 7 48.0	1.013	1.672	32.6	18.1	114 E	53	56
12 27	1 15.06	+ 8 43.2	1.046	1.612	36.1	18.2	105 E	54	55*
1 6	1 25.01	+10 1.4	1.079	1.555	38.8	18.3	98 E	55	51*
1 16	1 38.88	+11 39.0	1.111	1.501	40.9	18.3	91 E	57	47*
414287 2008 OB_9									
5 21	0 50.46	+11 42.1	2.000	1.458	29.0	21.3	44 W	18*	35*
5 26	1 7.40	+12 59.7	1.927	1.402	30.6	21.2	45 W	18*	35*
5 31	1 25.44	+14 17.0	1.858	1.346	32.1	21.1	45 W	19*	35*
6 5	1 44.69	+15 32.8	1.793	1.290	33.7	20.9	45 W	19*	34*
6 10	2 5.23	+16 45.7	1.733	1.234	35.2	20.8	45 W	20*	33*
6 15	2 27.18	+17 54.0	1.677	1.179	36.7	20.7	44 W	20*	32*
6 20	2 50.56	+18 55.6	1.628	1.125	38.1	20.5	43 W	20*	31*
6 25	3 15.39	+19 48.1	1.585	1.072	39.3	20.4	42 W	20*	30*
6 30	3 41.61	+20 28.8	1.550	1.021	40.4	20.3	41 W	20*	28*
7 5	4 9.10	+20 55.5	1.523	0.972	41.1	20.2	39 W	19*	27*
7 10	4 37.64	+21 5.8	1.505	0.926	41.5	20.0	37 W	18*	25*
7 15	5 6.98	+20 58.4	1.495	0.884	41.4	19.9	35 W	18*	24*
7 20	5 36.77	+20 32.3	1.494	0.848	40.8	19.8	33 W	16*	22*
7 25	6 6.65	+19 48.1	1.501	0.817	39.6	19.7	31 W	15*	20*
7 30	6 36.28	+18 46.9	1.517	0.794	37.9	19.6	29 W	14*	19*
8 4	7 5.35	+17 31.0	1.540	0.779	35.7	19.6	27 W	12*	17*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
414287 2008 OB_9 *(continuation)*									
8 9	7 33.61	+16 3.0	1.570	0.774	33.1	19.5	25 W	11*	15*
8 14	8 0.87	+14 25.9	1.605	0.778	30.3	19.5	23 W	10*	14*
8 19	8 26.97	+12 42.6	1.645	0.790	27.5	19.5	21 W	9*	13*
8 24	8 51.83	+10 55.8	1.688	0.812	24.9	19.5	20 W	8*	12*
8 29	9 15.42	+ 9 7.7	1.735	0.841	22.4	19.6	19 W	7*	11*
9 3	9 37.75	+ 7 20.3	1.783	0.876	20.3	19.7	18 W	6*	10*
9 8	9 58.85	+ 5 34.9	1.833	0.917	18.6	19.8	17 W	6*	9*
9 13	10 18.80	+ 3 52.6	1.884	0.962	17.2	19.9	16 W	6*	9*
9 18	10 37.65	+ 2 14.0	1.935	1.010	16.1	20.0	16 W	6*	8*
9 28	11 12.38	− 0 50.1	2.037	1.114	14.9	20.3	17 W	6*	8*
10 8	11 43.65	− 3 35.7	2.135	1.223	14.5	20.6	18 W	8*	9*
10 18	12 12.01	− 6 3.1	2.225	1.334	14.9	20.9	20 W	10*	10*
10 28	12 37.88	− 8 12.9	2.306	1.446	15.6	21.2	23 W	13*	12*
11 7	13 1.61	−10 6.1	2.375	1.557	16.7	21.4	27 W	16*	15*
260141 2004 QT_{24}									
5 21	1 20.01	− 2 22.0	1.793	1.268	33.3	21.5	44 W	3*	37*
5 31	1 49.47	+ 1 26.6	1.731	1.234	35.2	21.4	45 W	6*	38*
6 10	2 20.15	+ 5 21.1	1.670	1.198	37.1	21.3	45 W	9*	39*
6 20	2 52.53	+ 9 19.0	1.611	1.160	38.9	21.2	46 W	13*	38*
6 30	3 27.15	+13 16.1	1.557	1.119	40.7	21.1	46 W	17*	36*
7 10	4 4.58	+17 5.9	1.508	1.077	42.4	21.0	46 W	22*	34*
7 20	4 45.44	+20 39.1	1.466	1.035	43.8	20.9	45 W	25*	30*
7 30	5 30.11	+23 42.2	1.434	0.994	45.0	20.8	44 W	29*	27*
8 9	6 18.62	+25 59.0	1.413	0.955	45.8	20.7	42 W	31*	23*
8 19	7 10.37	+27 12.4	1.405	0.919	46.0	20.6	41 W	32*	18*
8 29	8 3.92	+27 8.8	1.410	0.889	45.5	20.5	39 W	31*	15*
9 8	8 57.34	+25 42.6	1.427	0.866	44.2	20.5	37 W	30*	11*
9 13	9 23.42	+24 29.9	1.440	0.857	43.3	20.4	36 W	29*	10*
9 18	9 48.82	+22 59.2	1.456	0.852	42.2	20.4	35 W	29*	9*
9 23	10 13.40	+21 12.7	1.474	0.848	41.0	20.4	34 W	28*	7*
9 28	10 37.10	+19 12.7	1.495	0.847	39.7	20.4	33 W	27*	7*
10 3	10 59.89	+17 1.6	1.516	0.849	38.4	20.4	32 W	26*	6*
10 8	11 21.78	+14 41.8	1.539	0.853	36.9	20.4	31 W	25*	5*
10 13	11 42.83	+12 15.6	1.563	0.860	35.5	20.4	30 W	24*	5*
10 18	12 3.09	+ 9 45.2	1.587	0.869	34.2	20.4	29 W	23*	5*
10 23	12 22.65	+ 7 12.5	1.612	0.881	32.9	20.4	29 W	23*	5*
10 28	12 41.57	+ 4 39.3	1.636	0.894	31.7	20.5	28 W	22*	6*
11 2	12 59.96	+ 2 7.0	1.660	0.909	30.6	20.5	28 W	21*	6*
11 7	13 17.89	− 0 23.3	1.683	0.925	29.7	20.6	28 W	21*	7*
11 12	13 35.45	− 2 50.4	1.705	0.943	28.9	20.6	27 W	20*	8*
11 17	13 52.71	− 5 13.5	1.726	0.962	28.2	20.6	27 W	20*	9*
11 22	14 9.72	− 7 31.9	1.745	0.981	27.7	20.7	27 W	19*	10*
11 27	14 26.55	− 9 45.0	1.763	1.002	27.3	20.8	28 W	19*	11*
12 2	14 43.24	−11 52.3	1.780	1.022	27.0	20.8	28 W	18*	13*
12 7	14 59.86	−13 53.6	1.795	1.043	26.9	20.9	29 W	18*	15*
12 12	15 16.43	−15 48.3	1.808	1.064	26.9	20.9	29 W	17*	16*
12 17	15 32.99	−17 36.5	1.819	1.085	27.0	21.0	30 W	16*	18*
12 22	15 49.55	−19 17.7	1.828	1.106	27.2	21.0	31 W	16*	20*
12 27	16 6.14	−20 51.9	1.835	1.127	27.4	21.1	32 W	15*	22*
1 1	16 22.77	−22 19.0	1.841	1.147	27.7	21.2	33 W	14*	24*
1 6	16 39.45	−23 38.9	1.844	1.167	28.1	21.2	34 W	13*	25*
1 11	16 56.19	−24 51.6	1.846	1.186	28.5	21.3	35 W	12*	27*
1 16	17 12.97	−25 57.1	1.845	1.205	29.0	21.3	36 W	11*	29*
523664 2012 OD_1									
5 21	1 45.19	+35 24.7	1.840	1.114	28.5	21.4	32 W	24*	9*
5 26	2 5.87	+37 19.8	1.809	1.086	29.3	21.3	32 W	24*	8*
5 31	2 28.23	+39 4.7	1.778	1.057	30.1	21.3	32 W	25*	7*
6 5	2 52.39	+40 35.8	1.748	1.024	30.8	21.2	31 W	24*	6*
6 10	3 18.41	+41 49.4	1.719	0.989	31.4	21.1	30 W	24*	4*
6 15	3 46.26	+42 41.2	1.691	0.951	31.8	21.0	30 W	23*	3*
6 20	4 15.76	+43 6.6	1.665	0.909	32.1	20.9	28 W	22*	1*
6 25	4 46.56	+43 0.8	1.639	0.866	32.1	20.7	27 W	21*	—
6 30	5 18.19	+42 19.8	1.616	0.819	31.8	20.6	25 W	19*	—
7 5	5 50.07	+41 0.1	1.594	0.770	31.1	20.4	23 W	17*	—
7 10	6 21.66	+38 59.2	1.574	0.718	29.9	20.2	21 W	15*	—
7 15	6 52.51	+36 15.8	1.555	0.664	27.8	19.9	18 W	12*	—
7 20	7 22.32	+32 49.3	1.537	0.609	24.7	19.6	15 W	8*	—
7 25	7 51.03	+28 40.0	1.518	0.555	20.3	19.2	11 W	5*	—
7 30	8 18.76	+23 49.1	1.496	0.504	14.0	18.8	7 W	1*	—
8 4	8 45.86	+18 19.7	1.469	0.459	6.4	18.2	3 W	—	—
8 9	9 12.85	+12 19.1	1.434	0.427	8.7	18.1	4 W	—	—
8 11	9 23.74	+ 9 49.0	1.416	0.419	13.3	18.2	5 W	—	—
8 13	9 34.75	+ 7 17.1	1.397	0.414	18.5	18.4	7 E	—	—
8 15	9 45.92	+ 4 44.9	1.376	0.412	23.9	18.5	9 E	—	—
8 17	9 57.28	+ 2 13.5	1.354	0.414	29.3	18.6	12 E	—	1*
8 19	10 8.87	− 0 15.5	1.330	0.420	34.5	18.8	14 E	—	3*
8 21	10 20.73	− 2 41.1	1.306	0.428	39.4	18.9	16 E	—	5*
8 23	10 32.87	− 5 2.2	1.281	0.440	43.9	19.0	18 E	—	7*

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
523664 2012 OD_1 *(continuation)*									
8 25	10 45.33	− 7 18.0	1.257	0.454	48.0	19.2	20 E	—	8*
8 27	10 58.14	− 9 27.7	1.233	0.470	51.6	19.3	21 E	—	10*
8 29	11 11.29	−11 30.8	1.210	0.488	54.7	19.4	23 E	—	12*
9 3	11 45.76	−16 6.5	1.161	0.538	60.3	19.7	28 E	—	17*
9 8	12 22.32	−19 51.6	1.124	0.591	63.3	20.0	32 E	—	22*
9 13	13 0.38	−22 41.8	1.102	0.646	64.2	20.1	35 E	—	26*
9 18	13 38.95	−24 35.6	1.094	0.700	63.8	20.3	39 E	—	30*
9 23	14 16.87	−25 35.6	1.100	0.753	62.3	20.4	42 E	—	34*
9 28	14 53.04	−25 48.5	1.118	0.803	60.3	20.5	44 E	2*	37*
10 3	15 26.71	−25 23.7	1.146	0.851	57.9	20.6	46 E	5*	40*
10 8	15 57.52	−24 31.2	1.182	0.895	55.4	20.7	48 E	8*	42*
10 13	16 25.44	−23 19.8	1.225	0.937	53.0	20.8	49 E	11*	43*
10 18	16 50.68	−21 56.7	1.272	0.976	50.5	20.9	49 E	14*	43*
10 23	17 13.52	−20 27.0	1.322	1.013	48.2	21.0	49 E	17*	42*
10 28	17 34.30	−18 54.2	1.374	1.046	46.1	21.1	49 E	19*	41*
11 2	17 53.33	−17 20.4	1.426	1.077	44.0	21.2	49 E	21*	40*
11 7	18 10.91	−15 47.1	1.479	1.105	42.1	21.3	48 E	23*	38*
11 12	18 27.28	−14 14.8	1.530	1.130	40.3	21.4	48 E	24*	36*
11 17	18 42.68	−12 43.9	1.580	1.153	38.6	21.4	47 E	26*	34*
152770 1999 RR_{28}									
5 21	1 52.67	+11 2.5	1.943	1.181	25.4	21.4	30 W	6*	23*
5 26	2 12.20	+12 29.5	1.886	1.127	26.6	21.2	30 W	7*	23*
5 31	2 33.02	+13 55.3	1.833	1.073	27.7	21.1	29 W	7*	22*
6 5	2 55.22	+15 18.4	1.785	1.019	28.6	21.0	29 W	7*	21*
6 10	3 18.90	+16 36.8	1.741	0.965	29.2	20.8	28 W	7*	20*
6 15	3 44.12	+17 48.4	1.703	0.912	29.6	20.6	26 W	7*	19*
6 20	4 10.89	+18 50.5	1.672	0.860	29.5	20.5	25 W	6*	17*
6 25	4 39.16	+19 40.5	1.647	0.811	29.0	20.3	23 W	6*	15*
6 30	5 8.81	+20 15.4	1.630	0.766	27.8	20.1	21 W	5*	13*
7 5	5 39.62	+20 32.8	1.619	0.726	25.9	19.9	18 W	4*	11*
7 10	6 11.33	+20 30.9	1.616	0.692	23.2	19.7	16 W	2*	8*
7 15	6 43.56	+20 8.4	1.620	0.667	19.7	19.6	13 W	1*	6*
7 20	7 15.90	+19 25.4	1.629	0.652	15.7	19.4	10 W	—	3*
7 25	7 47.92	+18 23.0	1.644	0.649	11.4	19.2	7 W	—	1*
7 30	8 19.22	+17 3.6	1.663	0.656	7.2	19.1	5 W	—	—
8 4	8 49.45	+15 30.1	1.687	0.675	3.8	19.0	3 W	—	—
8 9	9 18.38	+13 45.9	1.715	0.703	3.1	19.1	2 E	—	—
8 14	9 45.88	+11 54.5	1.747	0.739	5.0	19.4	4 E	—	—
8 19	10 11.91	+ 9 59.0	1.783	0.781	6.8	19.6	5 E	—	—
8 24	10 36.46	+ 8 2.1	1.823	0.827	8.2	19.9	7 E	—	1*
8 29	10 59.62	+ 6 6.0	1.866	0.877	9.1	20.1	8 E	—	2*
9 3	11 21.47	+ 4 12.3	1.913	0.929	9.6	20.3	9 E	—	3*
9 8	11 42.11	+ 2 22.4	1.962	0.983	9.7	20.5	9 E	—	3*
9 13	12 1.66	+ 0 36.8	2.014	1.037	9.5	20.6	10 E	—	4*
9 18	12 20.22	− 1 3.6	2.067	1.091	9.1	20.8	10 E	—	4*
9 23	12 37.88	− 2 38.8	2.122	1.145	8.5	20.9	10 E	—	4*
9 28	12 54.73	− 4 8.4	2.177	1.199	7.8	21.0	9 E	—	3*
10 3	13 10.85	− 5 32.4	2.232	1.252	6.9	21.1	9 E	—	2*
10 8	13 26.31	− 6 51.1	2.288	1.305	6.0	21.2	8 E	—	1*
10 13	13 41.18	− 8 4.4	2.342	1.357	5.1	21.3	7 E	—	—
10 18	13 55.53	− 9 12.6	2.396	1.408	4.1	21.4	6 E	—	—
10 23	14 9.38	−10 15.7	2.448	1.458	3.2	21.5	5 E	—	—
338292 2002 UA_{31}									
5 21	2 12.33	+33 29.0	0.681	0.497	117.6	21.3	26 W	19*	6*
5 23	2 6.57	+34 10.9	0.707	0.516	110.8	21.0	28 W	21*	8*
5 25	2 2.41	+34 43.0	0.733	0.536	104.7	20.8	31 W	23*	10*
5 27	1 59.68	+35 7.7	0.760	0.557	99.4	20.7	33 W	25*	11*
5 29	1 58.19	+35 26.8	0.786	0.578	94.7	20.7	35 W	26*	13*
5 31	1 57.75	+35 41.8	0.812	0.600	90.5	20.6	36 W	27*	14*
6 2	1 58.20	+35 53.7	0.837	0.621	86.8	20.6	38 W	28*	15*
6 4	1 59.39	+36 3.2	0.861	0.643	83.5	20.6	39 W	29*	16*
6 6	2 1.20	+36 10.9	0.883	0.664	80.6	20.7	40 W	30*	16*
6 8	2 3.51	+36 17.2	0.905	0.685	78.0	20.7	41 W	31*	17*
6 10	2 6.26	+36 22.3	0.925	0.706	75.7	20.7	42 W	32*	18*
6 12	2 9.36	+36 26.5	0.943	0.726	73.6	20.8	43 W	33*	18*
6 14	2 12.75	+36 29.9	0.961	0.746	71.8	20.8	44 W	33*	19*
6 16	2 16.39	+36 32.5	0.977	0.766	70.1	20.8	45 W	34*	19*
6 18	2 20.23	+36 34.5	0.992	0.785	68.6	20.9	46 W	35*	20*
6 20	2 24.24	+36 35.8	1.005	0.804	67.3	20.9	47 W	35*	20*
6 25	2 34.82	+36 36.6	1.033	0.849	64.5	21.0	49 W	37*	21*
6 30	2 45.96	+36 33.8	1.053	0.892	62.4	21.1	51 W	39*	22*
7 5	2 57.45	+36 27.3	1.066	0.931	60.7	21.2	53 W	41*	23*
7 10	3 9.15	+36 16.9	1.073	0.967	59.5	21.2	55 W	43*	24*
7 15	3 20.98	+36 2.6	1.073	1.001	58.6	21.3	57 W	45*	25*
7 20	3 32.87	+35 43.8	1.068	1.031	57.9	21.3	59 W	47*	25*
7 25	3 44.76	+35 20.3	1.057	1.059	57.4	21.3	61 W	49*	26*
7 30	3 56.63	+34 51.5	1.040	1.084	57.1	21.3	64 W	52*	27*
8 4	4 8.46	+34 16.8	1.020	1.106	56.8	21.3	66 W	54*	28*
8 9	4 20.26	+33 35.8	0.995	1.125	56.7	21.3	68 W	56*	29*

338292 2002 UA_{31} *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
8 14	4 32.00	+32 47.7	0.966	1.142	56.7	21.3	70 W	58*	30*
8 19	4 43.67	+31 51.6	0.933	1.156	56.7	21.2	73 W	60*	31*
8 24	4 55.28	+30 46.4	0.898	1.168	56.8	21.2	75 W	62*	32*
8 29	5 6.83	+29 30.8	0.860	1.177	56.9	21.1	78 W	63*	33*
9 3	5 18.34	+28 3.2	0.819	1.183	57.1	21.0	80 W	65*	35*
9 8	5 29.84	+26 21.8	0.776	1.187	57.3	20.9	82 W	65*	37*
9 13	5 41.34	+24 24.2	0.732	1.188	57.5	20.8	85 W	65*	39*
9 18	5 52.88	+22 7.4	0.687	1.186	57.7	20.6	87 W	65*	41*
9 23	6 4.49	+19 27.9	0.642	1.183	58.0	20.5	89 W	63*	44*
9 28	6 16.26	+16 21.1	0.597	1.176	58.4	20.3	91 W	61*	47*
10 3	6 28.30	+12 41.9	0.552	1.167	58.9	20.2	93 W	58*	51*
10 8	6 40.76	+ 8 24.0	0.510	1.155	59.6	20.0	94 W	53	55*
10 13	6 53.80	+ 3 20.6	0.470	1.141	60.5	19.8	95 W	48	60*
10 18	7 7.69	− 2 34.6	0.433	1.124	61.9	19.6	96 W	42	66*
10 23	7 22.81	− 9 25.5	0.402	1.104	63.8	19.5	95 W	36	73*
10 28	7 39.72	−17 10.6	0.377	1.082	66.5	19.4	93 W	28	80*
10 30	7 47.16	−20 29.9	0.370	1.072	67.7	19.4	92 W	25	82*
11 1	7 55.08	−23 55.0	0.363	1.062	69.1	19.4	91 W	21	84*
11 3	8 3.57	−27 24.7	0.358	1.052	70.6	19.4	90 W	18	83*
11 5	8 12.70	−30 57.0	0.354	1.041	72.2	19.4	88 W	14	82*
11 7	8 22.59	−34 30.0	0.352	1.029	73.9	19.4	86 W	11	79*
11 9	8 33.36	−38 1.3	0.351	1.017	75.7	19.4	84 W	7	75*
11 11	8 45.13	−41 28.7	0.352	1.005	77.5	19.4	82 W	4	72*
11 13	8 58.07	−44 49.5	0.353	0.992	79.4	19.5	80 W	—	69*
11 15	9 12.35	−48 1.5	0.357	0.979	81.2	19.6	78 W	—	65*
11 17	9 28.13	−51 2.1	0.361	0.965	83.1	19.6	76 W	—	62*
11 19	9 45.60	−53 49.0	0.367	0.950	85.0	19.7	73 W	—	59*
11 21	10 4.90	−56 20.1	0.374	0.936	86.8	19.8	71 W	—	56*
11 23	10 26.13	−58 33.4	0.382	0.920	88.5	19.8	69 W	—	53*
11 25	10 49.27	−60 26.9	0.391	0.905	90.2	19.9	66 W	—	50*
11 27	11 14.18	−61 59.2	0.401	0.889	91.9	20.0	64 W	—	48*
11 28	11 27.19	−62 37.1	0.406	0.880	92.7	20.1	63 W	—	46*
11 29	11 40.52	−63 9.3	0.412	0.872	93.4	20.1	62 W	—	45*
11 30	11 54.08	−63 35.7	0.417	0.863	94.2	20.1	61 W	—	44*
12 1	12 7.79	−63 56.5	0.423	0.855	94.9	20.2	60 W	—	43*
12 2	12 21.59	−64 11.6	0.429	0.846	95.7	20.2	59 W	—	42*
12 3	12 35.37	−64 21.2	0.436	0.837	96.4	20.3	58 W	—	41*
12 4	12 49.06	−64 25.4	0.442	0.828	97.1	20.3	57 W	—	40*
12 5	13 2.57	−64 24.4	0.449	0.819	97.7	20.3	55 W	—	39*
12 6	13 15.82	−64 18.4	0.455	0.810	98.4	20.4	54 W	—	38*
12 7	13 28.77	−64 7.6	0.462	0.801	99.0	20.4	53 W	—	37*
12 8	13 41.34	−63 52.4	0.469	0.791	99.6	20.5	52 W	—	36*
12 9	13 53.50	−63 33.0	0.477	0.782	100.2	20.5	51 W	—	36*
12 10	14 5.22	−63 9.8	0.484	0.772	100.7	20.5	50 W	—	35*
12 11	14 16.47	−62 42.9	0.492	0.763	101.2	20.6	49 W	—	34*
12 12	14 27.26	−62 12.7	0.500	0.753	101.8	20.6	48 W	—	33*
12 13	14 37.57	−61 39.4	0.508	0.743	102.2	20.6	48 W	—	33*
12 14	14 47.41	−61 3.2	0.516	0.733	102.7	20.6	47 W	—	32*
12 15	14 56.80	−60 24.5	0.524	0.723	103.1	20.7	46 W	—	32*
12 16	15 5.76	−59 43.4	0.533	0.712	103.5	20.7	45 W	—	31*
12 17	15 14.30	−59 0.1	0.541	0.702	103.9	20.7	44 W	—	30*
12 19	15 30.23	−57 27.5	0.559	0.681	104.5	20.8	42 W	—	29*
12 21	15 44.78	−55 48.0	0.578	0.660	105.0	20.8	40 W	—	29*
12 23	15 58.17	−54 2.5	0.598	0.639	105.3	20.8	39 W	—	28*
12 25	16 10.58	−52 11.8	0.619	0.618	105.3	20.8	37 W	—	27*
12 27	16 22.20	−50 16.7	0.641	0.596	105.2	20.8	36 W	—	26*
12 29	16 33.20	−48 17.5	0.665	0.575	104.7	20.8	34 W	—	26*
12 31	16 43.73	−46 14.9	0.690	0.554	104.0	20.7	33 W	—	25*
1 2	16 53.94	−44 9.4	0.716	0.533	102.9	20.7	32 W	—	24*
1 4	17 3.96	−42 1.3	0.744	0.513	101.4	20.6	31 W	—	24*
1 6	17 13.90	−39 51.3	0.773	0.493	99.5	20.5	30 W	—	23*
1 8	17 23.87	−37 39.9	0.805	0.475	97.1	20.4	29 W	—	22*
1 10	17 33.96	−35 27.6	0.837	0.458	94.1	20.3	28 W	—	22*
1 12	17 44.25	−33 15.2	0.872	0.444	90.7	20.1	27 W	—	21*
1 14	17 54.79	−31 3.5	0.908	0.431	86.8	20.0	26 W	2*	20*
1 16	18 5.63	−28 53.2	0.946	0.421	82.5	19.9	25 W	3*	19*

503880 2000 YJ_{29}

5 21	2 19.59	+22 17.4	0.778	0.406	113.7	19.9	22 W	10*	12*
5 23	2 13.98	+25 12.3	0.811	0.438	104.3	19.6	25 W	14*	13*
5 25	2 10.25	+27 50.5	0.847	0.472	96.2	19.5	28 W	17*	13*
5 27	2 8.09	+30 12.8	0.883	0.507	89.3	19.4	30 W	20*	13*
5 29	2 7.17	+32 21.2	0.921	0.544	83.3	19.4	32 W	23*	14*
5 31	2 7.24	+34 17.2	0.958	0.580	78.2	19.5	34 W	25*	14*
6 2	2 8.08	+36 2.7	0.994	0.617	73.9	19.5	36 W	27*	13*
6 4	2 9.54	+37 39.2	1.030	0.654	70.1	19.6	37 W	29*	13*
6 6	2 11.48	+39 7.9	1.064	0.691	66.8	19.7	39 W	30*	13*
6 8	2 13.80	+40 29.9	1.097	0.727	63.9	19.8	40 W	32*	13*
6 10	2 16.41	+41 46.1	1.129	0.763	61.3	19.9	41 W	33*	12*
6 12	2 19.25	+42 57.2	1.160	0.798	59.1	20.0	42 W	35*	12*

503880 2000 YJ_{29} *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
6 14	2 22.26	+44 4.0	1.190	0.833	57.1	20.0	44 W	36*	12*
6 16	2 25.40	+45 6.9	1.218	0.868	55.3	20.1	45 W	37*	11*
6 18	2 28.64	+46 6.3	1.245	0.902	53.6	20.2	46 W	38*	11*
6 20	2 31.94	+47 2.8	1.271	0.935	52.2	20.3	47 W	40*	11*
6 25	2 40.35	+49 12.8	1.331	1.017	49.1	20.5	49 W	42*	10*
6 30	2 48.73	+51 9.9	1.384	1.096	46.6	20.7	52 W	45*	9*
7 5	2 56.89	+52 57.2	1.430	1.172	44.6	20.8	54 W	48*	8*
7 10	3 4.69	+54 37.0	1.471	1.246	43.0	21.0	57 W	51*	7*
7 15	3 11.98	+56 11.1	1.505	1.317	41.6	21.1	59 W	53*	6*
7 20	3 18.63	+57 40.7	1.534	1.386	40.3	21.2	62 W	56*	5*
7 25	3 24.49	+59 6.9	1.559	1.452	39.2	21.3	65 W	58*	4*
7 30	3 29.42	+60 30.4	1.578	1.517	38.2	21.4	68 W	61*	3*

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5 21	2 30.44	+15 57.9	0.956	0.343	89.4	20.5	20 W	4*	13*
5 23	2 33.16	+16 4.6	1.010	0.369	79.8	20.4	21 W	4*	14*
5 25	2 37.36	+16 17.4	1.062	0.398	72.0	20.5	22 W	5*	15*
5 27	2 42.58	+16 34.3	1.112	0.427	65.6	20.5	23 W	5*	16*
5 29	2 48.47	+16 53.7	1.158	0.456	60.4	20.6	23 W	5*	16*
5 31	2 54.82	+17 14.4	1.201	0.485	56.1	20.7	23 W	5*	16*
6 2	3 1.45	+17 35.8	1.241	0.514	52.5	20.8	24 W	6*	16*
6 4	3 8.27	+17 57.2	1.279	0.542	49.5	20.9	24 W	6*	17*
6 6	3 15.20	+18 18.3	1.314	0.569	47.0	20.9	24 W	6*	17*
6 8	3 22.19	+18 38.8	1.346	0.595	44.8	21.0	24 W	6*	17*
6 10	3 29.22	+18 58.6	1.376	0.620	43.0	21.1	25 W	7*	17*
6 15	3 46.78	+19 44.4	1.443	0.680	39.5	21.3	25 W	7*	17*
6 20	4 4.21	+20 24.0	1.499	0.733	37.2	21.5	26 W	8*	17*
6 25	4 21.44	+20 57.3	1.545	0.781	35.6	21.7	27 W	9*	18*
6 30	4 38.47	+21 24.1	1.582	0.824	34.5	21.8	27 W	11*	18*

508967 2004 VC_{17}

5 21	2 31.29	+22 44.8	0.809	0.360	114.3	20.2	19 W	8*	9*
5 23	2 33.31	+23 9.3	0.872	0.359	102.5	19.6	20 W	9*	10*
5 25	2 37.33	+23 28.4	0.937	0.365	91.3	19.3	21 W	10*	11*
5 27	2 42.95	+23 43.3	1.001	0.378	81.0	19.1	22 W	10*	11*
5 29	2 49.75	+23 54.7	1.063	0.397	72.0	19.0	22 W	10*	12*
5 31	2 57.32	+24 3.2	1.123	0.420	64.3	19.0	22 W	10*	12*
6 2	3 5.35	+24 9.2	1.179	0.448	57.8	19.1	22 W	10*	12*
6 4	3 13.60	+24 13.0	1.233	0.478	52.3	19.2	22 W	10*	12*
6 6	3 21.90	+24 14.8	1.285	0.510	47.8	19.3	22 W	9*	12*
6 8	3 30.14	+24 15.1	1.333	0.543	44.0	19.4	22 W	9*	12*
6 10	3 38.25	+24 13.8	1.379	0.577	40.8	19.5	22 W	9*	12*
6 15	3 57.71	+24 5.2	1.483	0.663	35.1	19.8	22 W	9*	13*
6 20	4 15.83	+23 50.3	1.576	0.749	31.5	20.1	23 W	9*	13*
6 25	4 32.60	+23 30.7	1.658	0.834	29.3	20.4	24 W	9*	14*
6 30	4 48.12	+23 7.2	1.732	0.916	27.9	20.6	25 W	10*	15*
7 5	5 2.50	+22 40.6	1.797	0.995	27.0	20.9	26 W	11*	17*
7 10	5 15.87	+22 11.6	1.855	1.072	26.6	21.1	28 W	13*	18*
7 15	5 28.33	+21 40.3	1.906	1.147	26.4	21.3	30 W	14*	19*
7 20	5 39.95	+21 7.3	1.951	1.218	26.4	21.5	32 W	16*	21*

483420 2000 CX_{39}

5 21	2 32.88	− 3 23.4	2.630	1.832	16.3	21.5	31 W	—	22*
5 31	2 58.96	− 2 12.6	2.559	1.798	18.0	21.4	33 W	—	25*
6 10	3 25.67	− 1 9.2	2.489	1.766	19.6	21.4	36 W	—	29*
6 20	3 52.96	− 0 14.6	2.422	1.737	21.1	21.4	38 W	—	31*
6 30	4 20.70	+ 0 29.9	2.359	1.711	22.5	21.3	40 W	—	34*
7 10	4 48.75	+ 1 3.1	2.301	1.687	23.7	21.3	42 W	3*	36*
7 20	5 16.96	+ 1 24.7	2.246	1.668	24.9	21.2	44 W	7*	38*
7 30	5 45.13	+ 1 34.3	2.195	1.651	26.0	21.2	46 W	11*	39*
8 9	6 13.07	+ 1 32.5	2.147	1.639	27.0	21.1	47 W	15*	40*
8 19	6 40.61	+ 1 20.0	2.101	1.630	28.0	21.1	49 W	19*	41*
8 29	7 7.57	+ 0 58.3	2.056	1.626	28.9	21.1	51 W	23*	42*
9 8	7 33.80	+ 0 29.1	2.011	1.625	29.8	21.1	53 W	27*	43*
9 18	7 59.18	− 0 5.5	1.965	1.629	30.7	21.0	56 W	30*	44*
9 28	8 23.60	− 0 43.1	1.916	1.637	31.5	21.0	59 W	33*	45*
10 8	8 46.97	− 1 21.0	1.863	1.649	32.3	21.0	62 W	36*	46*
10 18	9 9.20	− 1 56.5	1.806	1.665	33.0	21.0	66 W	39*	48*
10 28	9 30.19	− 2 26.3	1.744	1.685	33.6	20.9	70 W	41*	50*
11 7	9 49.83	− 2 46.7	1.677	1.708	34.0	20.9	75 W	42*	53*
11 17	10 7.97	− 2 54.0	1.605	1.734	34.2	20.8	80 W	42	56*
11 27	10 24.41	− 2 43.3	1.529	1.763	34.0	20.8	86 W	42	59*
12 7	10 38.93	− 2 9.6	1.450	1.794	33.3	20.7	93 W	43	62*
12 17	10 51.20	− 1 6.9	1.370	1.828	32.0	20.5	101 W	44	64*
12 27	11 0.85	+ 0 31.0	1.293	1.863	29.9	20.4	109 W	46	63
1 6	11 7.51	+ 2 49.6	1.221	1.900	27.0	20.2	119 W	48	61
1 16	11 10.79	+ 5 52.2	1.160	1.939	23.1	20.1	129 W	51	58

516984 2012 PN_{28}

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 21	2 33.70	+29 56.0	2.291	1.385	14.6	21.4	20 W	13*	5*
5 26	2 51.49	+31 13.1	2.245	1.345	15.4	21.3	21 W	13*	5*
5 31	3 10.35	+32 24.5	2.200	1.305	16.2	21.3	21 W	14*	5*
6 5	3 30.31	+33 28.3	2.156	1.264	16.9	21.2	21 W	14*	4*
6 10	3 51.42	+34 22.6	2.114	1.224	17.5	21.1	21 W	14*	4*
6 15	4 13.68	+35 5.3	2.073	1.183	18.0	21.0	21 W	14*	3*
6 20	4 37.02	+35 34.2	2.035	1.144	18.4	20.9	21 W	14*	3*
6 25	5 1.34	+35 46.8	2.000	1.104	18.6	20.8	20 W	14*	2*
6 30	5 26.47	+35 41.1	1.967	1.066	18.7	20.7	20 W	13*	1*
7 5	5 52.19	+35 15.1	1.937	1.029	18.6	20.6	19 W	13*	—
7 10	6 18.27	+34 27.4	1.911	0.994	18.3	20.4	18 W	12*	—
7 15	6 44.41	+33 17.3	1.889	0.961	17.7	20.3	17 W	11*	—
7 20	7 10.36	+31 44.5	1.870	0.930	16.8	20.2	15 W	9*	—
7 25	7 35.89	+29 49.7	1.855	0.903	15.7	20.1	14 W	8*	—
7 30	8 0.79	+27 34.2	1.843	0.879	14.3	20.0	12 W	6*	—
8 4	8 24.96	+24 59.9	1.835	0.860	12.7	19.8	11 W	5*	—
8 9	8 48.32	+22 9.3	1.831	0.845	10.9	19.7	9 W	3*	—
8 14	9 10.87	+19 5.1	1.830	0.836	9.1	19.6	7 W	1*	—
8 19	9 32.63	+15 50.3	1.832	0.832	7.2	19.5	6 W	—	—
8 24	9 53.67	+12 27.9	1.838	0.834	5.7	19.5	5 W	—	—
8 29	10 14.06	+ 9 0.9	1.846	0.842	4.9	19.5	4 W	—	—
9 3	10 33.89	+ 5 32.2	1.858	0.855	4.9	19.5	4 W	—	—
9 8	10 53.26	+ 2 4.2	1.872	0.873	5.7	19.6	5 W	—	—
9 13	11 12.24	− 1 20.7	1.890	0.895	6.8	19.7	6 W	—	—
9 18	11 30.92	− 4 40.5	1.910	0.922	7.8	19.9	7 W	—	—
9 23	11 49.37	− 7 53.7	1.933	0.951	8.8	20.0	8 W	—	—
9 28	12 7.64	−10 58.8	1.959	0.984	9.6	20.2	9 W	—	—
10 3	12 25.77	−13 54.7	1.987	1.018	10.1	20.3	10 W	—	1*
10 8	12 43.82	−16 40.7	2.017	1.055	10.5	20.4	11 W	—	1*
10 18	13 19.73	−21 40.8	2.084	1.132	10.9	20.6	12 W	—	2*
10 28	13 55.47	−25 56.9	2.157	1.212	10.9	20.9	13 W	—	3*
11 7	14 30.98	−29 28.9	2.233	1.293	10.6	21.1	14 W	—	4*
11 17	15 6.14	−32 18.7	2.309	1.373	10.3	21.3	14 W	—	5*
11 27	15 40.71	−34 29.2	2.383	1.453	10.1	21.5	15 W	—	7*

523796 2016 LE_{51}

5 21	2 36.58	+ 1 23.7	1.290	0.589	49.5	21.3	26 W	—	19*
5 26	3 10.48	+ 5 29.6	1.302	0.518	46.0	20.9	22 W	—	14*
5 31	3 46.01	+ 9 54.5	1.324	0.452	39.1	20.4	16 W	—	9*
6 5	4 23.52	+14 33.9	1.352	0.400	27.7	19.9	11 W	—	4*
6 10	5 3.31	+19 15.9	1.377	0.373	12.1	19.3	4 W	—	—
6 12	5 19.83	+21 4.6	1.384	0.371	5.8	19.0	2 W	—	—
6 14	5 36.62	+22 48.3	1.389	0.375	4.3	19.0	2 E	—	—
6 16	5 53.62	+24 25.1	1.393	0.384	9.7	19.3	4 E	—	—
6 18	6 10.76	+25 53.5	1.395	0.398	15.5	19.6	6 E	—	—
6 20	6 27.97	+27 12.4	1.395	0.417	20.7	19.8	8 E	1*	—
6 22	6 45.17	+28 21.1	1.395	0.438	25.3	20.1	11 E	4*	—
6 24	7 2.31	+29 19.2	1.395	0.462	29.1	20.3	13 E	6*	1*
6 26	7 19.33	+30 6.7	1.395	0.488	32.3	20.5	15 E	7*	2*
6 28	7 36.17	+30 43.7	1.396	0.515	34.9	20.7	17 E	9*	4*
6 30	7 52.77	+31 10.5	1.398	0.543	36.9	20.9	19 E	11*	5*
7 5	8 32.92	+31 36.5	1.406	0.615	40.2	21.3	23 E	14*	8*
7 10	9 10.56	+31 11.3	1.423	0.687	41.6	21.6	27 E	17*	11*
7 15	9 45.25	+30 5.6	1.448	0.758	41.8	21.8	30 E	20*	14*
7 20	10 16.83	+28 30.0	1.480	0.826	41.2	22.1	32 E	21*	16*

240292 2003 EB_{54}

5 21	4 0.81	+11 12.5	3.082	2.089	4.5	21.4	9 E	—	—
5 31	4 22.71	+11 33.1	3.042	2.054	5.2	21.4	11 W	—	1*
6 10	4 45.22	+11 42.6	2.994	2.019	6.6	21.4	13 W	—	5*
6 20	5 8.31	+11 39.8	2.940	1.984	8.2	21.4	16 W	—	9*
6 30	5 31.91	+11 23.5	2.879	1.950	10.0	21.4	19 W	—	13*
7 10	5 55.98	+10 52.8	2.815	1.916	11.8	21.4	23 W	—	17*
7 20	6 20.44	+10 7.1	2.746	1.883	13.6	21.4	26 W	2*	20*
7 30	6 45.23	+ 9 5.7	2.675	1.852	15.3	21.3	29 W	6*	22*
8 9	7 10.26	+ 7 48.8	2.603	1.821	17.1	21.3	32 W	9*	25*
8 19	7 35.47	+ 6 16.6	2.530	1.793	18.7	21.2	35 W	13*	27*
8 29	8 0.79	+ 4 29.8	2.457	1.765	20.4	21.2	37 W	17*	29*
9 8	8 26.15	+ 2 29.8	2.384	1.740	21.9	21.1	40 W	20*	31*
9 18	8 51.52	+ 0 18.1	2.313	1.717	23.4	21.1	43 W	22*	33*
9 28	9 16.86	− 2 3.3	2.242	1.696	24.9	21.1	45 W	25*	34*
10 8	9 42.14	− 4 31.7	2.174	1.678	26.3	21.0	48 W	27*	36*
10 18	10 7.36	− 7 4.5	2.106	1.662	27.6	21.0	51 W	28*	38*
10 28	10 32.49	− 9 38.7	2.039	1.650	28.9	20.9	53 W	29*	41*
11 7	10 57.53	−12 11.0	1.972	1.641	30.1	20.9	56 W	29*	43*
11 17	11 22.46	−14 38.3	1.906	1.635	31.3	20.8	59 W	28*	46*
11 27	11 47.23	−16 57.2	1.838	1.632	32.3	20.8	62 W	27*	50*
12 7	12 11.77	−19 4.5	1.769	1.632	33.4	20.7	66 W	26*	54*
12 17	12 35.98	−20 57.1	1.699	1.636	34.3	20.6	69 W	24	59*
12 27	12 59.68	−22 31.7	1.626	1.643	35.0	20.6	73 W	22	64*

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

240292 2003 EB_{54} *(continuation)*

	h m	° ′			°	m	°	°	°
1 6	13 22.64	−23 45.7	1.552	1.654	35.5	20.5	78 W	21	69*
1 16	13 44.57	−24 36.1	1.475	1.667	35.8	20.4	83 W	20	75*

505178 2012 TV_{78}

5 21	4 10.69	+21 16.0	2.053	1.047	4.4	21.5	5 E	—	—
5 26	4 31.80	+21 44.6	2.016	1.009	4.7	21.3	5 E	—	—
5 31	4 53.82	+22 3.6	1.979	0.973	5.2	21.3	5 E	—	—
6 5	5 16.70	+22 11.5	1.944	0.939	6.0	21.2	6 E	—	—
6 10	5 40.40	+22 7.2	1.911	0.908	7.0	21.1	6 E	—	—
6 15	6 4.80	+21 49.4	1.880	0.881	8.3	21.1	7 E	—	1*
6 20	6 29.80	+21 17.2	1.851	0.858	9.9	21.0	8 E	—	2*
6 25	6 55.23	+20 30.2	1.825	0.840	11.6	21.0	10 E	—	3*
6 30	7 20.92	+19 28.2	1.802	0.827	13.5	21.0	11 E	—	5*
7 5	7 46.72	+18 11.8	1.782	0.819	15.5	21.1	12 E	—	6*
7 10	8 12.43	+16 42.0	1.766	0.818	17.5	21.1	14 E	—	8*
7 15	8 37.93	+15 0.2	1.755	0.823	19.5	21.2	16 E	—	10*
7 20	9 3.08	+13 8.2	1.748	0.833	21.2	21.3	17 E	—	11*
7 25	9 27.76	+11 8.3	1.745	0.850	22.7	21.3	19 E	—	13*
7 30	9 51.90	+ 9 2.5	1.748	0.871	23.9	21.4	20 E	—	14*

380472 2003 WR_{24}

5 21	4 12.44	+22 16.8	3.367	2.361	2.2	21.5	5 E	—	—
5 31	4 32.19	+22 48.4	3.408	2.395	0.4	21.3	1 W	—	—
6 10	4 51.65	+23 10.7	3.437	2.427	2.1	21.6	5 W	—	—
6 20	5 10.78	+23 24.1	3.453	2.459	4.2	21.7	10 W	—	3*
6 30	5 29.52	+23 28.7	3.456	2.490	6.2	21.9	15 W	4*	7*

55408 2001 TC_2

5 21	4 21.08	+ 7 32.1	2.102	1.151	12.7	21.5	14 E	—	6*
5 31	4 56.20	+ 7 56.8	2.062	1.115	13.7	21.4	15 E	—	5*
6 10	5 32.86	+ 8 7.9	2.021	1.078	14.7	21.3	16 E	—	5*
6 20	6 11.10	+ 8 4.3	1.981	1.041	15.5	21.2	16 E	—	4*
6 30	6 50.88	+ 7 45.5	1.943	1.003	16.0	21.1	16 E	—	4*
7 10	7 32.08	+ 7 12.0	1.908	0.967	16.2	21.0	15 E	—	4*
7 20	8 14.52	+ 6 25.1	1.879	0.933	16.1	20.9	15 E	—	4*
7 30	8 57.97	+ 5 27.1	1.855	0.903	15.7	20.8	14 E	—	4*
8 9	9 42.15	+ 4 20.9	1.836	0.879	15.2	20.7	13 E	—	5*
8 19	10 26.80	+ 3 9.3	1.821	0.862	14.9	20.6	13 E	—	6*
8 29	11 11.66	+ 1 55.0	1.810	0.854	15.0	20.6	13 E	—	6*
9 8	11 56.50	+ 0 40.3	1.802	0.854	15.9	20.6	13 E	—	7*
9 18	12 41.17	− 0 33.6	1.796	0.864	17.3	20.7	15 E	3*	8*
9 28	13 25.56	− 1 45.1	1.792	0.881	19.1	20.8	17 E	6*	9*
10 8	14 9.59	− 2 53.0	1.792	0.906	20.9	20.9	19 E	9*	9*
10 18	14 53.22	− 3 55.5	1.796	0.936	22.4	21.0	21 E	12*	10*
10 28	15 36.36	− 4 50.4	1.806	0.970	23.5	21.1	23 E	15*	9*
11 7	16 18.88	− 5 35.0	1.822	1.007	24.0	21.2	24 E	17*	9*
11 17	17 0.66	− 6 7.1	1.845	1.044	24.1	21.4	26 E	18*	8*
11 27	17 41.49	− 6 24.6	1.876	1.082	23.7	21.5	26 E	19*	7*

162903 2001 JV_2

5 21	5 21.47	− 1 56.3	1.782	1.056	29.8	21.5	31 E	—	24*
5 31	6 0.62	− 2 35.0	1.729	1.032	32.0	21.4	33 E	—	25*
6 10	6 42.25	− 3 12.3	1.681	1.013	34.1	21.4	34 E	—	25*
6 20	7 26.09	− 3 44.5	1.644	1.001	35.7	21.3	35 E	—	26*
6 30	8 11.51	− 4 8.1	1.622	0.995	36.7	21.3	36 E	—	27*
7 10	8 57.60	− 4 20.4	1.618	0.997	36.9	21.3	36 E	—	28*
7 20	9 43.35	− 4 20.6	1.632	1.005	36.4	21.4	36 E	—	29*
7 30	10 27.82	− 4 10.2	1.662	1.020	35.2	21.4	35 E	—	29*
8 9	11 10.36	− 3 51.8	1.705	1.041	33.4	21.4	34 E	—	28*

153011 2000 JN_{78}

5 21	5 23.16	+18 54.6	2.902	1.995	10.7	21.5	22 E	7*	13*
5 31	5 44.89	+19 50.9	2.922	1.976	8.7	21.4	17 E	3*	10*
6 10	6 7.22	+20 35.1	2.932	1.955	6.6	21.3	13 E	—	6*
6 20	6 30.10	+21 6.6	2.932	1.932	4.4	21.2	8 E	—	2*
6 30	6 53.50	+21 25.2	2.921	1.909	2.3	21.0	4 E	—	—
7 10	7 17.34	+21 30.5	2.901	1.885	0.4	20.8	1 W	—	—
7 20	7 41.58	+21 22.6	2.872	1.859	2.1	20.9	4 W	—	—
7 30	8 6.19	+21 1.5	2.834	1.833	4.3	21.0	8 W	1*	—
8 9	8 31.11	+20 27.2	2.787	1.806	6.5	21.0	12 W	5*	1*
8 19	8 56.34	+19 40.2	2.733	1.778	8.7	21.0	15 W	8*	3*
8 29	9 21.84	+18 40.8	2.672	1.749	10.9	21.0	19 W	12*	5*
9 8	9 47.61	+17 29.7	2.606	1.720	13.0	21.0	23 W	16*	6*
9 18	10 13.69	+16 7.7	2.534	1.691	15.2	21.0	26 W	20*	7*
9 28	10 40.08	+14 35.7	2.458	1.661	17.3	21.0	29 W	23*	8*
10 8	11 6.84	+12 54.8	2.379	1.631	19.3	20.9	33 W	26*	9*
10 18	11 34.02	+11 6.3	2.299	1.602	21.4	20.9	36 W	29*	11*
10 28	12 1.66	+ 9 11.8	2.217	1.572	23.4	20.8	39 W	32*	12*
11 7	12 29.83	+ 7 13.0	2.136	1.544	25.3	20.8	42 W	34*	14*
11 17	12 58.60	+ 5 12.0	2.056	1.516	27.1	20.7	44 W	36*	16*
11 27	13 27.99	+ 3 11.0	1.978	1.490	28.9	20.6	47 W	38*	19*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		153011 2000 JN_{78} *(continuation)*							
	h m	° ′			°	m	°	°	°
12 7	13 58.01	+ 1 12.5	1.904	1.465	30.6	20.5	49 W	38*	22*
12 17	14 28.68	− 0 41.0	1.833	1.442	32.2	20.5	51 W	39*	25*
12 27	14 59.90	− 2 26.7	1.766	1.421	33.8	20.4	53 W	38*	29*
1 6	15 31.61	− 4 2.3	1.704	1.402	35.2	20.3	55 W	37*	33*
1 16	16 3.67	− 5 25.8	1.646	1.386	36.6	20.3	57 W	36*	37*
		66294 1999 JS_{27}							
5 21	6 5.30	+22 58.1	4.041	3.217	9.4	21.5	31 E	17*	19*
5 31	6 19.20	+22 55.6	4.118	3.225	7.5	21.5	25 E	11*	15*
6 10	6 33.31	+22 48.2	4.179	3.232	5.7	21.4	18 E	6*	10*
6 20	6 47.55	+22 35.8	4.224	3.238	3.8	21.3	12 E	1*	5*
6 30	7 1.83	+22 18.4	4.253	3.243	1.8	21.2	6 E	—	—
7 10	7 16.07	+21 56.1	4.264	3.247	0.2	21.1	0 W	—	—
7 20	7 30.20	+21 29.1	4.258	3.250	2.0	21.2	7 W	—	—
7 30	7 44.15	+20 57.8	4.235	3.253	4.0	21.4	13 W	4*	4*
8 9	7 57.85	+20 22.6	4.195	3.254	5.9	21.4	19 W	10*	8*
8 19	8 11.24	+19 44.0	4.138	3.254	7.7	21.5	26 W	16*	12*
		471487 2011 VS_5							
5 21	6 8.68	+26 30.3	1.383	0.749	45.7	21.4	32 E	20*	17*
5 26	6 34.72	+25 40.7	1.333	0.733	48.8	21.4	33 E	20*	19*
5 31	7 1.08	+24 28.8	1.282	0.722	52.1	21.4	34 E	19*	21*
6 5	7 27.53	+22 54.3	1.231	0.716	55.5	21.3	36 E	18*	23*
6 10	7 53.89	+20 57.5	1.182	0.717	58.7	21.4	37 E	18*	26*
6 15	8 20.05	+18 39.6	1.135	0.724	61.7	21.4	39 E	17*	28*
6 20	8 45.94	+16 2.1	1.091	0.737	64.2	21.4	41 E	16*	31*
6 25	9 11.55	+13 7.4	1.050	0.754	66.2	21.4	43 E	15*	34*
6 30	9 36.90	+ 9 58.0	1.014	0.777	67.7	21.5	45 E	13*	37*
7 5	10 2.06	+ 6 37.1	0.984	0.803	68.5	21.5	47 E	12*	40*
		472263 2014 RP_{12}							
5 21	6 11.69	+ 2 52.2	0.221	0.850	132.5	20.5	38 E	4*	32*
5 22	6 18.87	+ 0 18.3	0.216	0.859	130.3	20.3	40 E	3*	34*
5 23	6 26.24	− 2 21.0	0.212	0.869	128.0	20.0	43 E	1*	36*
5 24	6 33.80	− 5 4.9	0.208	0.878	125.4	19.8	45 E	—	39*
5 25	6 41.55	− 7 52.1	0.206	0.887	122.7	19.6	47 E	—	41*
5 26	6 49.49	−10 41.4	0.204	0.896	119.9	19.3	50 E	—	43*
5 27	6 57.62	−13 31.6	0.202	0.905	117.0	19.1	53 E	—	45*
5 28	7 5.92	−16 21.0	0.202	0.914	114.0	19.0	56 E	—	47*
5 29	7 14.40	−19 8.4	0.202	0.923	111.0	18.8	58 E	—	49*
5 30	7 23.04	−21 52.5	0.203	0.932	108.0	18.6	61 E	—	51*
5 31	7 31.83	−24 31.9	0.205	0.941	105.1	18.5	64 E	—	53*
6 1	7 40.76	−27 5.7	0.207	0.950	102.1	18.4	66 E	—	55*
6 2	7 49.82	−29 33.0	0.210	0.959	99.3	18.3	69 E	—	56*
6 3	7 58.98	−31 53.0	0.213	0.968	96.5	18.2	71 E	—	57*
6 4	8 8.25	−34 5.4	0.217	0.976	93.9	18.2	74 E	—	58*
6 5	8 17.58	−36 9.8	0.222	0.985	91.3	18.1	76 E	—	59*
6 6	8 26.98	−38 6.2	0.227	0.994	88.9	18.1	78 E	—	60*
6 7	8 36.41	−39 54.4	0.232	1.002	86.6	18.1	80 E	—	60*
6 8	8 45.85	−41 34.7	0.238	1.010	84.3	18.1	82 E	—	61*
6 9	8 55.30	−43 7.3	0.244	1.019	82.2	18.1	84 E	—	61*
6 10	9 4.73	−44 32.4	0.250	1.027	80.3	18.1	86 E	—	61*
6 12	9 23.44	−47 1.8	0.264	1.044	76.6	18.1	89 E	—	61*
6 14	9 41.84	−49 6.1	0.278	1.060	73.3	18.1	91 E	—	61*
6 16	9 59.82	−50 48.5	0.294	1.076	70.5	18.2	94 E	—	61*
6 18	10 17.28	−52 12.0	0.310	1.091	67.9	18.2	96 E	—	61*
6 20	10 34.13	−53 19.5	0.326	1.107	65.6	18.3	97 E	—	60*
6 22	10 50.34	−54 13.7	0.343	1.122	63.5	18.4	99 E	—	60*
6 24	11 5.88	−54 56.5	0.360	1.137	61.7	18.5	100 E	—	60*
6 26	11 20.74	−55 30.0	0.378	1.151	60.0	18.5	101 E	—	60*
6 28	11 34.93	−55 55.6	0.396	1.166	58.5	18.6	102 E	—	59*
6 30	11 48.48	−56 14.7	0.414	1.179	57.2	18.7	103 E	—	59*
7 2	12 1.41	−56 28.4	0.433	1.193	56.0	18.8	103 E	—	59*
7 4	12 13.75	−56 37.6	0.451	1.207	54.9	18.9	104 E	—	59*
7 6	12 25.55	−56 43.0	0.470	1.220	53.9	19.0	104 E	—	59*
7 8	12 36.84	−56 45.3	0.489	1.233	53.0	19.0	104 E	—	59*
7 10	12 47.67	−56 44.9	0.508	1.245	52.2	19.1	104 E	—	59*
7 12	12 58.07	−56 42.3	0.528	1.258	51.5	19.2	105 E	—	59*
7 14	13 8.09	−56 37.8	0.547	1.270	50.8	19.3	105 E	—	59*
7 16	13 17.74	−56 31.8	0.567	1.281	50.2	19.4	104 E	—	59*
7 18	13 27.08	−56 24.6	0.586	1.293	49.6	19.4	104 E	—	60*
7 20	13 36.13	−56 16.2	0.606	1.304	49.1	19.5	104 E	—	60*
7 22	13 44.91	−56 7.0	0.626	1.315	48.6	19.6	104 E	—	60*
7 24	13 53.44	−55 57.0	0.646	1.326	48.2	19.7	104 E	—	60*
7 26	14 1.76	−55 46.4	0.666	1.336	47.7	19.7	103 E	—	60*
7 28	14 9.87	−55 35.3	0.687	1.346	47.4	19.8	103 E	—	60*
7 30	14 17.79	−55 23.7	0.707	1.356	47.0	19.9	102 E	—	61*
8 4	14 36.89	−54 53.3	0.758	1.379	46.2	20.1	101 E	—	61*
8 9	14 55.11	−54 21.0	0.810	1.401	45.5	20.2	100 E	—	61*
8 14	15 12.65	−53 47.3	0.861	1.421	44.8	20.4	98 E	—	62*

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		472263 2014 RP_{12} *(continuation)*							
	h m	° ′			°	m	°	°	°
8 19	15 29.63	−53 12.5	0.914	1.440	44.3	20.5	97 E	—	62*
8 24	15 46.17	−52 36.8	0.966	1.457	43.7	20.6	95 E	—	63*
8 29	16 2.34	−52 0.2	1.018	1.472	43.2	20.8	93 E	—	63*
9 3	16 18.16	−51 22.5	1.070	1.486	42.7	20.9	91 E	—	63*
9 8	16 33.70	−50 43.7	1.122	1.498	42.3	21.0	89 E	—	64*
9 13	16 48.99	−50 3.5	1.174	1.509	41.8	21.1	87 E	—	64*
9 18	17 4.07	−49 21.8	1.225	1.518	41.3	21.2	85 E	—	64*
9 23	17 18.96	−48 38.7	1.275	1.525	40.8	21.2	83 E	—	64*
9 28	17 33.66	−47 53.8	1.325	1.531	40.3	21.3	81 E	—	64*
10 3	17 48.18	−47 7.0	1.374	1.536	39.7	21.4	79 E	—	63*
10 8	18 2.52	−46 18.3	1.422	1.539	39.2	21.5	77 E	—	63*
		418797 2008 VF							
5 21	6 26.27	+ 7 9.8	1.212	0.776	56.2	21.4	40 E	10*	33*
5 26	6 45.11	+ 7 22.0	1.159	0.746	59.6	21.3	39 E	9*	33*
5 31	7 4.53	+ 7 41.1	1.102	0.716	63.7	21.2	39 E	8*	33*
6 5	7 24.51	+ 8 10.6	1.041	0.689	68.3	21.2	39 E	8*	32*
6 10	7 44.98	+ 8 55.2	0.977	0.664	73.7	21.1	39 E	8*	32*
6 15	8 5.84	+10 0.7	0.911	0.643	79.6	21.1	39 E	8*	32*
6 20	8 26.94	+11 33.7	0.844	0.627	86.1	21.1	38 E	9*	31*
6 25	8 48.02	+13 41.5	0.777	0.616	93.0	21.2	37 E	11*	29*
6 30	9 8.75	+16 31.3	0.714	0.611	100.0	21.3	36 E	13*	27*
7 5	9 28.77	+20 7.6	0.655	0.613	106.6	21.5	35 E	16*	25*
		378160 2006 WX_1							
5 21	7 11.60	+18 46.7	1.052	0.823	64.0	21.5	47 E	26*	33*
5 31	7 42.68	+15 40.6	0.976	0.767	70.0	21.3	45 E	20*	34*
6 10	8 11.73	+12 9.7	0.881	0.716	78.2	21.2	44 E	15*	35*
6 20	8 37.30	+ 8 28.8	0.770	0.675	89.2	21.2	42 E	9*	35*
6 30	8 56.98	+ 5 8.0	0.648	0.648	103.4	21.4	38 E	3*	32*
		14402 1991 DB							
5 21	7 43.84	+21 33.0	1.394	1.142	45.7	21.5	54 E	33*	35*
5 31	8 19.17	+21 22.4	1.372	1.101	46.8	21.4	52 E	31*	35*
6 10	8 56.42	+20 39.1	1.346	1.068	48.1	21.3	51 E	28*	35*
6 20	9 35.27	+19 20.1	1.318	1.044	49.3	21.2	51 E	27*	36*
6 30	10 15.35	+17 23.9	1.290	1.029	50.5	21.2	51 E	25*	37*
7 10	10 56.26	+14 51.1	1.266	1.026	51.4	21.2	52 E	25*	39*
7 20	11 37.63	+11 44.6	1.247	1.034	51.9	21.2	53 E	24*	41*
7 30	12 19.18	+ 8 10.2	1.238	1.053	51.8	21.2	55 E	24*	44*
8 9	13 0.62	+ 4 16.9	1.241	1.082	51.2	21.2	56 E	24*	46*
8 19	13 41.75	+ 0 15.7	1.258	1.119	50.0	21.3	58 E	24*	48*
8 29	14 22.37	− 3 41.1	1.290	1.162	48.3	21.4	59 E	24*	50*
		504887 2010 WL							
5 21	16 46.37	−32 42.8	2.033	3.014	5.8	24.2	163 W	12	83
5 26	16 40.14	−32 15.2	1.998	2.994	4.3	24.1	167 W	13	84
5 31	16 33.67	−31 43.2	1.970	2.974	3.3	24.0	170 W	13	84
6 5	16 27.12	−31 7.1	1.951	2.954	3.5	23.9	170 E	14	85
6 10	16 20.66	−30 27.4	1.938	2.934	4.8	24.0	166 E	15	86
6 15	16 14.42	−29 44.8	1.934	2.913	6.5	24.0	161 E	15	86
6 20	16 8.55	−29 0.0	1.936	2.892	8.4	24.1	156 E	16	87
		499672 2010 VK_{188}							
5 21	16 47.39	−24 37.4	2.179	3.172	4.3	23.0	166 W	20	89
5 26	16 42.05	−24 34.1	2.152	3.159	2.5	22.8	172 W	20	89
5 31	16 36.51	−24 29.4	2.133	3.147	0.9	22.7	177 W	21	88
6 5	16 30.89	−24 23.3	2.122	3.134	1.7	22.7	175 E	21	88
6 10	16 25.31	−24 16.1	2.118	3.120	3.6	22.8	169 E	21	88
6 15	16 19.90	−24 8.0	2.121	3.107	5.5	22.9	163 E	21	88
6 20	16 14.76	−23 59.2	2.131	3.093	7.4	23.0	157 E	21	88
		306431 1998 SR_{49}							
5 21	16 55.26	−54 17.4	2.938	3.802	9.0	23.1	144 W	—	62
5 26	16 47.90	−54 32.7	2.919	3.801	8.6	23.1	146 W	—	61
5 31	16 40.26	−54 41.9	2.908	3.800	8.3	23.1	147 W	—	61
6 5	16 32.51	−54 44.7	2.903	3.798	8.2	23.1	148 E	—	61
6 10	16 24.83	−54 41.4	2.904	3.796	8.4	23.1	147 E	—	61
6 15	16 17.39	−54 32.1	2.912	3.794	8.7	23.1	146 E	—	61
6 20	16 10.37	−54 17.2	2.927	3.792	9.2	23.1	143 E	—	62
		382459 2000 ST_{20}							
5 21	16 58.53	−50 32.2	1.507	2.419	13.2	22.9	147 W	—	65
5 26	16 49.87	−50 45.0	1.486	2.414	12.3	22.8	149 W	—	65
5 31	16 40.70	−50 48.0	1.470	2.408	11.8	22.8	151 W	—	65
6 5	16 31.33	−50 40.7	1.460	2.402	11.6	22.7	152 E	—	65
6 10	16 22.10	−50 23.2	1.457	2.395	11.9	22.7	151 E	—	66
6 15	16 13.32	−49 56.2	1.459	2.388	12.6	22.8	149 E	—	66
6 20	16 5.30	−49 20.8	1.467	2.380	13.7	22.8	146 E	—	67

162926 2001 OB_{36}

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 21	17 0.43	+19 12.6	3.639	4.435	8.9	23.5	137 W	64	45
5 31	16 52.16	+19 18.8	3.601	4.412	8.8	23.5	138 W	64	45
6 10	16 43.63	+19 5.7	3.587	4.387	9.0	23.5	137 E	64	45
6 20	16 35.36	+18 33.2	3.596	4.361	9.7	23.5	134 E	64	45
6 30	16 27.83	+17 42.3	3.629	4.335	10.6	23.6	128 E	63	46

389820 2011 WU_{92}

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 21	17 4.05	−19 39.6	9.133	10.106	1.7	23.1	163 W	25	84
5 31	17 0.88	−19 36.3	9.116	10.123	0.7	23.0	173 W	25	84
6 10	16 57.61	−19 33.2	9.129	10.140	0.5	23.0	175 E	25	84
6 20	16 54.42	−19 30.6	9.171	10.157	1.4	23.1	165 E	25	84
6 30	16 51.44	−19 28.6	9.242	10.174	2.4	23.2	155 E	26	83

430544 2002 GM_2

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 21	17 4.99	−27 21.9	2.793	3.768	4.8	24.1	162 W	18	89
5 26	16 59.33	−27 16.6	2.759	3.755	3.3	24.0	168 W	18	89
5 31	16 53.42	−27 9.4	2.733	3.741	1.9	23.9	173 W	18	89
6 5	16 47.39	−27 0.4	2.715	3.727	1.3	23.8	175 E	18	89
6 10	16 41.32	−26 49.6	2.705	3.713	2.2	23.9	172 E	18	89
6 15	16 35.33	−26 37.3	2.704	3.698	3.7	24.0	166 E	18	89
6 20	16 29.53	−26 23.6	2.710	3.683	5.3	24.0	160 E	19	90

432589 2010 RC_{103}

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 21	17 6.30	−24 39.4	2.211	3.190	5.6	23.5	162 W	20	89
5 26	17 1.44	−24 33.5	2.190	3.189	3.8	23.4	168 W	20	89
5 31	16 56.36	−24 26.4	2.177	3.187	1.9	23.2	174 W	21	88
6 5	16 51.17	−24 18.0	2.171	3.185	0.6	23.1	178 E	21	88
6 10	16 45.98	−24 8.7	2.172	3.183	2.0	23.2	174 E	21	88
6 15	16 40.91	−23 58.6	2.180	3.180	3.9	23.4	168 E	21	88
6 20	16 36.08	−23 47.9	2.196	3.178	5.7	23.5	162 E	21	88

497026 2003 QP_{49}

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 21	17 6.80	−13 22.6	1.778	2.754	6.9	22.6	161 W	32	77
5 31	16 56.72	−13 0.6	1.722	2.725	3.9	22.3	169 W	32	77
6 10	16 45.81	−12 44.6	1.694	2.695	4.6	22.3	168 E	32	77
6 20	16 35.14	−12 36.4	1.693	2.663	8.2	22.4	158 E	32	77
6 30	16 25.77	−12 37.8	1.718	2.631	12.1	22.6	147 E	32	77

267131 2000 EK_{26}

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 21	17 6.89	− 5 52.0	3.041	3.992	5.7	24.1	157 W	39	70
5 31	16 58.03	− 5 37.7	3.014	3.993	4.4	24.0	163 W	39	70
6 10	16 48.88	− 5 31.8	3.016	3.992	4.6	24.0	162 E	39	70
6 20	16 40.04	− 5 35.0	3.049	3.991	6.3	24.1	155 E	39	70
6 30	16 32.08	− 5 47.4	3.110	3.988	8.3	24.2	145 E	39	70

494658 2000 UG_{11}

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 21	17 7.56	−16 16.4	1.483	2.464	7.4	23.8	162 W	29	80
5 26	17 0.38	−15 51.5	1.490	2.488	5.1	23.7	167 W	29	80
5 31	16 53.13	−15 27.5	1.504	2.512	3.3	23.6	172 W	30	79
6 5	16 45.99	−15 4.9	1.525	2.535	3.0	23.6	172 E	30	79
6 10	16 39.13	−14 44.2	1.554	2.557	4.6	23.8	168 E	30	79
6 15	16 32.70	−14 25.7	1.590	2.579	6.6	24.0	163 E	31	78
6 20	16 26.83	−14 9.9	1.633	2.600	8.7	24.1	157 E	31	78

357311 2003 DC_{14}

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 21	17 10.05	−29 59.6	3.357	4.322	4.6	22.7	160 W	15	86
5 31	17 1.32	−30 6.0	3.302	4.303	2.5	22.5	170 W	15	86
6 10	16 52.10	−30 6.1	3.277	4.284	2.0	22.5	171 E	15	86
6 20	16 43.03	−30 0.3	3.283	4.264	4.1	22.6	163 E	15	86
6 30	16 34.73	−29 49.6	3.318	4.243	6.5	22.7	152 E	15	86

382388 2013 TP_{127}

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 21	17 13.20	+ 1 40.8	2.899	3.812	7.5	23.2	150 W	47	62
5 31	17 5.41	+ 2 24.9	2.883	3.823	6.6	23.1	154 W	47	62
6 10	16 57.32	+ 2 55.1	2.895	3.832	6.7	23.1	154 E	48	61
6 20	16 49.50	+ 3 10.1	2.935	3.841	7.8	23.2	149 E	48	61
6 30	16 42.51	+ 3 10.1	3.000	3.850	9.4	23.3	142 E	48	61

326946 2004 EN_{20}

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 21	17 19.48	+32 16.5	1.873	2.574	19.1	22.8	124 W	77	32
5 26	17 13.84	+33 9.2	1.868	2.573	19.1	22.8	124 W	78	31
5 31	17 7.84	+33 51.1	1.868	2.572	19.2	22.8	124 W	79	30
6 5	17 1.62	+34 21.6	1.872	2.570	19.3	22.8	123 W	79	30
6 10	16 55.35	+34 40.4	1.879	2.568	19.6	22.8	122 E	80	29
6 15	16 49.17	+34 47.6	1.890	2.565	19.9	22.8	121 E	80	29
6 20	16 43.25	+34 43.4	1.905	2.562	20.2	22.8	119 E	80	29
6 25	16 37.73	+34 28.4	1.923	2.558	20.6	22.9	118 E	79	30

380133 1998 UX_{24}

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 21	17 20.16	−41 19.4	1.289	2.233	12.4	23.0	152 W	4	75
5 26	17 12.78	−41 56.7	1.261	2.223	10.9	22.9	156 W	3	74
5 31	17 4.56	−42 27.5	1.238	2.213	9.7	22.8	158 W	3	74
6 5	16 55.75	−42 50.5	1.222	2.202	9.2	22.8	160 W	2	73
6 10	16 46.65	−43 5.1	1.212	2.191	9.5	22.7	159 E	2	73
6 15	16 37.56	−43 10.9	1.208	2.180	10.5	22.8	157 E	2	73
6 20	16 28.82	−43 8.2	1.211	2.168	12.1	22.8	153 E	2	73
6 25	16 20.75	−42 57.9	1.219	2.156	14.0	22.9	149 E	2	73

523623 2008 CB_{22}

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 21	17 24.78	−27 20.4	2.884	3.839	5.8	25.4	158 W	18	89
5 31	17 14.68	−27 21.8	2.852	3.852	2.9	25.2	169 W	18	89
6 10	17 4.04	−27 17.4	2.851	3.863	1.3	25.1	175 E	18	89
6 20	16 53.61	−27 7.6	2.881	3.874	3.7	25.3	166 E	18	89
6 30	16 44.15	−26 53.9	2.941	3.883	6.5	25.5	154 E	18	89

320378 2007 UR_3

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 21	17 25.39	−20 21.5	0.836	1.815	12.0	22.9	158 W	25	84
5 26	17 17.51	−20 12.3	0.832	1.829	8.4	22.8	165 W	25	84
5 31	17 9.15	−20 2.4	0.833	1.842	4.8	22.6	171 W	25	84
6 5	17 0.65	−19 52.1	0.840	1.854	1.8	22.5	177 W	25	84
6 10	16 52.32	−19 41.7	0.853	1.866	3.2	22.6	174 E	25	84
6 15	16 44.45	−19 31.7	0.873	1.878	6.6	22.9	168 E	25	84
6 20	16 37.29	−19 22.7	0.897	1.889	9.8	23.1	161 E	26	83
6 25	16 31.06	−19 15.3	0.928	1.899	12.9	23.3	155 E	26	83

318160 2004 QZ_2

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 21	17 32.05	−22 28.1	2.388	3.341	6.9	23.1	157 W	23	86
5 31	17 22.28	−22 18.0	2.331	3.331	3.5	22.9	168 W	23	86
6 10	17 11.59	−22 5.2	2.304	3.319	0.3	22.6	179 E	23	86
6 20	17 0.84	−21 50.2	2.306	3.306	3.8	22.9	167 E	23	86
6 30	16 50.92	−21 34.7	2.339	3.291	7.3	23.1	156 E	23	86

155336 2006 GA_1

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 21	17 34.74	−24 36.5	2.317	3.267	7.3	23.2	156 W	20	89
5 31	17 23.05	−24 35.7	2.229	3.228	3.7	22.9	168 W	20	89
6 10	17 9.94	−24 29.3	2.171	3.186	0.5	22.6	178 E	21	88
6 20	16 56.39	−24 17.0	2.145	3.143	4.3	22.8	167 E	21	88
6 30	16 43.51	−24 0.1	2.151	3.097	8.2	23.0	154 E	21	88

20790 2000 SE_{45}

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 21	17 37.45	−31 24.2	2.574	3.511	7.3	21.7	154 W	14	85
5 26	17 32.50	−31 21.3	2.564	3.530	5.8	21.6	159 W	14	85
5 31	17 27.31	−31 16.2	2.562	3.550	4.4	21.6	165 W	14	85
6 5	17 21.97	−31 9.0	2.567	3.569	3.0	21.5	169 W	14	85
6 10	17 16.60	−30 59.6	2.579	3.587	2.3	21.5	172 W	14	85
6 15	17 11.30	−30 48.2	2.599	3.606	2.5	21.5	171 E	14	85
6 20	17 6.18	−30 35.0	2.627	3.624	3.6	21.6	167 E	14	85
6 25	17 1.34	−30 20.4	2.662	3.642	4.9	21.7	162 E	15	86
6 30	16 56.87	−30 4.8	2.704	3.660	6.3	21.9	157 E	15	86
7 5	16 52.83	−29 48.5	2.752	3.677	7.6	22.0	151 E	15	86
7 10	16 49.28	−29 32.0	2.807	3.694	8.9	22.1	146 E	15	86

424206 2007 PB_{33}

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 21	17 40.12	−17 38.4	1.463	2.415	10.5	21.7	154 W	27	82
5 31	17 30.92	−17 28.1	1.387	2.382	6.1	21.4	166 W	28	81
6 10	17 19.75	−17 20.7	1.335	2.347	2.5	21.1	174 W	28	81
6 20	17 7.80	−17 17.1	1.309	2.312	5.5	21.2	167 E	28	81
6 30	16 56.52	−17 18.6	1.310	2.276	10.5	21.3	156 E	28	81
7 10	16 47.26	−17 26.7	1.333	2.239	15.3	21.5	144 E	28	81

474442 2003 PQ_9

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 21	17 40.37	− 9 18.7	1.714	2.648	10.5	21.5	152 W	36	73
5 31	17 32.33	− 8 49.0	1.625	2.603	7.5	21.3	161 W	36	73
6 10	17 22.57	− 8 29.4	1.561	2.556	5.8	21.1	165 W	37	72
6 20	17 12.01	− 8 22.6	1.523	2.509	7.3	21.0	162 E	37	72
6 30	17 1.81	− 8 30.5	1.511	2.461	10.8	21.1	153 E	36	73
7 10	16 53.10	− 8 53.4	1.523	2.412	14.7	21.3	143 E	36	73
7 20	16 46.74	− 9 30.1	1.554	2.364	18.4	21.4	133 E	35	74
7 30	16 43.33	−10 18.7	1.600	2.314	21.6	21.5	123 E	35	74

136564 1977 VA

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 21	17 43.10	−20 47.5	1.335	2.288	11.2	22.2	154 W	24	85
5 31	17 31.83	−20 22.6	1.257	2.254	6.2	21.8	166 W	25	84
6 10	17 18.15	−19 54.3	1.204	2.218	1.5	21.4	177 W	25	84
6 20	17 3.53	−19 23.9	1.178	2.181	5.9	21.6	167 E	26	83
6 30	16 49.76	−18 54.4	1.178	2.142	11.7	21.8	155 E	26	83
7 10	16 38.45	−18 30.2	1.200	2.101	17.1	22.0	143 E	26	83

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
26189 1997 AX_{12}									
5 21	17 45.71	−19 34.8	2.802	3.734	7.0	22.4	153 W	25	84
5 31	17 37.78	−19 34.0	2.745	3.732	4.2	22.2	165 W	25	84
6 10	17 28.94	−19 33.7	2.716	3.729	1.4	22.0	175 W	25	84
6 20	17 19.86	−19 33.8	2.718	3.725	2.5	22.1	171 E	25	84
6 30	17 11.23	−19 34.9	2.749	3.720	5.4	22.3	160 E	25	84
7 10	17 3.69	−19 37.4	2.808	3.715	8.2	22.5	149 E	25	84
306453 1999 BE_8									
5 21	17 49.97	−10 43.1	2.420	3.335	8.7	21.4	150 W	34	75
5 31	17 41.39	−10 31.6	2.393	3.364	5.9	21.3	160 W	34	75
6 10	17 31.99	−10 27.3	2.395	3.391	4.0	21.2	167 W	35	74
6 20	17 22.51	−10 30.5	2.425	3.417	4.4	21.3	165 E	34	75
6 30	17 13.70	−10 41.4	2.485	3.442	6.7	21.5	157 E	34	75
7 10	17 6.21	−10 59.4	2.571	3.466	9.3	21.7	147 E	34	75
311143 2004 RL_{226}									
5 21	17 51.93	+ 9 25.4	2.203	3.033	12.9	21.9	138 W	54	55
5 26	17 48.00	+ 9 57.0	2.180	3.035	12.1	21.8	141 W	55	54
5 31	17 43.70	+10 23.5	2.163	3.037	11.5	21.8	143 W	55	54
6 5	17 39.13	+10 44.2	2.152	3.038	11.1	21.8	145 W	56	53
6 10	17 34.38	+10 58.9	2.147	3.040	10.9	21.8	146 W	56	53
6 15	17 29.55	+11 7.1	2.148	3.040	10.9	21.8	146 E	56	53
6 20	17 24.75	+11 8.8	2.155	3.041	11.2	21.8	145 E	56	53
6 25	17 20.07	+11 4.0	2.168	3.041	11.6	21.8	143 E	56	53
6 30	17 15.64	+10 52.9	2.187	3.042	12.2	21.8	141 E	56	53
7 5	17 11.53	+10 35.9	2.211	3.041	13.0	21.9	138 E	56	53
7 10	17 7.83	+10 13.6	2.240	3.041	13.8	22.0	135 E	55	54
430663 2003 UO_3									
5 21	17 56.50	−55 6.2	2.018	2.852	13.8	21.7	138 W	—	61
5 26	17 49.92	−55 54.4	1.980	2.838	13.1	21.6	141 W	—	60
5 31	17 42.26	−56 36.7	1.948	2.824	12.5	21.5	143 W	—	59
6 5	17 33.68	−57 11.7	1.921	2.810	12.1	21.5	145 W	—	59
6 10	17 24.39	−57 38.3	1.900	2.795	11.9	21.4	145 W	—	58
6 15	17 14.65	−57 55.7	1.885	2.780	12.0	21.4	145 E	—	58
6 20	17 4.79	−58 3.4	1.876	2.765	12.4	21.4	144 E	—	58
6 25	16 55.16	−58 1.4	1.873	2.750	13.0	21.4	142 E	—	58
6 30	16 46.08	−57 50.3	1.876	2.734	13.8	21.4	140 E	—	58
7 5	16 37.85	−57 31.2	1.884	2.719	14.7	21.5	137 E	—	58
7 10	16 30.66	−57 5.2	1.897	2.702	15.7	21.5	134 E	—	59
234302 2001 AA									
5 21	17 57.07	− 4 19.7	2.814	3.694	8.9	22.2	146 W	41	68
5 31	17 49.97	− 4 0.3	2.757	3.695	6.9	22.1	154 W	41	68
6 10	17 41.93	− 3 50.9	2.727	3.695	5.5	22.0	160 W	41	68
6 20	17 33.52	− 3 52.8	2.725	3.695	5.5	22.0	160 E	41	68
6 30	17 25.38	− 4 6.1	2.751	3.693	6.8	22.0	154 E	41	68
7 10	17 18.12	− 4 30.0	2.804	3.691	8.8	22.2	146 E	40	69
398641 2012 RP_{31}									
5 21	17 58.20	−15 36.8	1.627	2.552	11.6	21.7	150 W	29	80
5 31	17 48.82	−14 48.2	1.568	2.547	7.6	21.5	161 W	30	79
6 10	17 37.70	−14 3.2	1.535	2.540	4.2	21.2	169 W	31	78
6 20	17 25.95	−13 24.4	1.529	2.532	4.9	21.3	168 E	32	77
6 30	17 14.84	−12 54.5	1.550	2.522	8.7	21.5	158 E	32	77
7 10	17 5.52	−12 35.5	1.597	2.512	12.7	21.7	147 E	32	77
326741 2003 QW_{26}									
5 21	17 59.60	−51 39.3	2.129	2.975	12.7	21.5	140 W	—	64
5 26	17 53.81	−52 5.6	2.094	2.969	11.8	21.4	143 W	—	64
5 31	17 47.22	−52 26.4	2.065	2.962	11.0	21.3	146 W	—	64
6 5	17 40.00	−52 40.7	2.041	2.955	10.3	21.3	149 W	—	63
6 10	17 32.33	−52 47.9	2.024	2.947	9.9	21.2	150 W	—	63
6 15	17 24.43	−52 47.4	2.013	2.939	9.8	21.2	150 E	—	63
6 20	17 16.54	−52 39.2	2.008	2.931	10.0	21.2	150 E	—	63
6 25	17 8.91	−52 23.4	2.009	2.923	10.5	21.2	148 E	—	64
6 30	17 1.75	−52 0.7	2.017	2.915	11.3	21.2	146 E	—	64
7 5	16 55.27	−51 31.8	2.030	2.906	12.2	21.3	143 E	—	64
7 10	16 49.61	−50 57.9	2.049	2.897	13.2	21.3	139 E	—	65
7 15	16 44.85	−50 20.0	2.073	2.888	14.3	21.4	136 E	—	66
7 20	16 41.08	−49 39.2	2.102	2.879	15.3	21.5	132 E	—	66
307198 2002 FJ_3									
5 21	18 0.12	+10 0.8	2.882	3.681	10.9	21.8	136 W	55	54
5 31	17 52.96	+10 52.8	2.842	3.692	9.8	21.7	142 W	56	53
6 10	17 44.88	+11 27.0	2.826	3.702	9.1	21.7	145 W	56	53
6 20	17 36.46	+11 41.2	2.835	3.710	9.1	21.7	145 E	57	52
6 30	17 28.33	+11 35.0	2.869	3.718	9.8	21.8	141 E	57	52
7 10	17 21.08	+11 9.8	2.926	3.725	10.9	21.9	136 E	56	53

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
497099 2004 BB_{85}									
5 21	18 1.03	+ 5 59.0	2.494	3.324	11.6	22.3	139 W	51	58
5 31	17 52.90	+ 6 10.2	2.428	3.315	9.9	22.2	146 W	51	58
6 10	17 43.55	+ 6 2.7	2.387	3.305	8.8	22.1	150 W	51	58
6 20	17 33.65	+ 5 34.8	2.372	3.294	8.7	22.1	151 E	51	58
6 30	17 23.99	+ 4 46.9	2.383	3.282	9.7	22.1	147 E	50	59
7 10	17 15.31	+ 3 41.2	2.421	3.269	11.4	22.2	140 E	49	60
508940 2004 RQ_{165}									
5 21	18 6.51	−29 24.3	2.118	3.025	10.2	22.5	148 W	16	87
5 31	17 58.51	−29 37.5	2.026	2.995	6.9	22.2	159 W	15	86
6 10	17 48.58	−29 44.5	1.960	2.965	3.5	22.0	170 W	15	86
6 20	17 37.56	−29 43.2	1.922	2.933	2.6	21.8	173 E	15	86
6 30	17 26.56	−29 33.0	1.913	2.900	5.8	22.0	163 E	15	86
7 10	17 16.68	−29 15.4	1.930	2.867	9.6	22.1	152 E	16	87
501612 2014 RE									
5 21	18 9.07	−18 23.5	1.941	2.848	11.0	22.2	148 W	27	82
5 31	18 0.90	−17 59.8	1.858	2.827	7.4	21.9	159 W	27	82
6 10	17 50.88	−17 37.2	1.801	2.806	3.7	21.7	170 W	27	82
6 20	17 39.85	−17 16.6	1.772	2.783	2.6	21.5	173 E	28	81
6 30	17 28.89	−16 59.0	1.772	2.760	6.2	21.7	163 E	28	81
7 10	17 19.10	−16 45.9	1.798	2.735	10.2	21.9	152 E	28	81
363163 2001 SE_{286}									
5 21	18 9.91	−29 23.5	1.791	2.700	11.6	21.9	147 W	16	87
5 26	18 3.81	−28 55.5	1.770	2.714	9.6	21.8	154 W	16	87
5 31	17 57.21	−28 24.7	1.754	2.728	7.4	21.7	160 W	17	88
6 5	17 50.24	−27 51.2	1.746	2.742	5.1	21.6	166 W	17	88
6 10	17 43.09	−27 15.0	1.746	2.755	2.9	21.5	172 W	18	89
6 15	17 35.92	−26 36.7	1.753	2.768	1.2	21.4	177 W	18	89
6 20	17 28.91	−25 56.8	1.768	2.780	2.3	21.5	174 E	19	90
6 25	17 22.23	−25 16.0	1.790	2.792	4.5	21.7	168 E	20	89
6 30	17 16.01	−24 35.1	1.820	2.803	6.6	21.8	162 E	20	89
7 5	17 10.38	−23 54.7	1.858	2.814	8.6	22.0	155 E	21	88
7 10	17 5.42	−23 15.7	1.901	2.825	10.5	22.1	150 E	22	87
7 15	17 1.17	−22 38.5	1.951	2.835	12.2	22.2	144 E	22	87
406562 2007 YQ_{61}									
5 21	18 10.03	+ 6 0.1	2.134	2.957	13.5	21.5	137 W	51	58
5 26	18 6.64	+ 6 34.4	2.099	2.952	12.6	21.4	141 W	52	57
5 31	18 2.79	+ 7 4.5	2.070	2.947	11.8	21.3	144 W	52	57
6 5	17 58.55	+ 7 29.8	2.047	2.942	11.1	21.3	146 W	52	57
6 10	17 54.03	+ 7 49.6	2.029	2.937	10.7	21.2	148 W	53	56
6 15	17 49.30	+ 8 3.5	2.018	2.932	10.5	21.2	148 W	53	56
6 20	17 44.47	+ 8 11.3	2.012	2.926	10.5	21.2	148 E	53	56
6 25	17 39.67	+ 8 12.7	2.013	2.920	10.9	21.2	147 E	53	56
6 30	17 35.00	+ 8 7.7	2.020	2.914	11.5	21.3	145 E	53	56
7 5	17 30.57	+ 7 56.7	2.033	2.907	12.2	21.3	143 E	53	56
7 10	17 26.48	+ 7 39.9	2.051	2.900	13.1	21.3	140 E	53	56
7 15	17 22.80	+ 7 17.9	2.074	2.894	14.1	21.4	136 E	52	57
7 20	17 19.60	+ 6 51.1	2.103	2.886	15.1	21.5	132 E	52	57
363024 1998 OK_1									
5 21	18 12.32	− 6 50.2	0.883	1.800	19.6	21.3	143 W	38	71
5 26	18 6.50	− 6 49.6	0.838	1.784	17.1	21.1	149 W	38	71
5 31	17 59.31	− 6 55.3	0.798	1.767	14.5	20.9	154 W	38	71
6 5	17 50.81	− 7 8.1	0.763	1.749	11.9	20.6	159 W	38	71
6 10	17 41.14	− 7 28.5	0.734	1.731	9.8	20.5	163 W	38	71
6 20	17 19.26	− 8 33.4	0.693	1.691	10.2	20.3	163 E	36	73
6 30	16 56.45	−10 8.3	0.677	1.648	16.4	20.4	153 E	35	74
7 10	16 35.94	−12 5.9	0.682	1.601	24.0	20.6	140 E	33	76
7 20	16 20.15	−14 17.6	0.703	1.551	31.2	20.8	128 E	31	78
7 30	16 10.32	−16 37.3	0.735	1.497	37.3	21.0	117 E	28*	81
8 9	16 6.52	−19 1.1	0.771	1.439	42.4	21.2	107 E	25*	83
8 19	16 8.28	−21 27.1	0.806	1.378	46.6	21.3	98 E	21*	85
8 29	16 15.06	−23 54.2	0.837	1.315	50.2	21.4	90 E	18*	84*
9 8	16 26.27	−26 21.3	0.859	1.248	53.3	21.4	84 E	15*	77*
9 18	16 41.54	−28 47.0	0.870	1.180	56.3	21.4	78 E	13*	71*
9 28	17 0.68	−31 9.7	0.869	1.110	59.4	21.4	72 E	10*	66*
10 8	17 23.48	−33 26.4	0.853	1.040	62.8	21.3	68 E	8*	61*
10 18	17 49.86	−35 33.8	0.822	0.972	66.9	21.2	64 E	6*	57*
10 28	18 19.63	−37 27.1	0.775	0.908	71.9	21.1	60 E	5*	54*
11 7	18 52.27	−39 0.4	0.711	0.852	78.1	20.9	57 E	4*	51*
11 17	19 26.97	−40 6.5	0.633	0.809	85.7	20.9	55 E	3*	48*
11 27	20 2.32	−40 37.2	0.543	0.781	94.6	20.8	52 E	3*	46*
12 7	20 36.56	−40 20.7	0.445	0.774	104.5	20.8	50 E	3*	43*
12 17	21 8.45	−38 53.4	0.346	0.788	114.6	20.9	47 E	4*	41*
12 27	21 38.24	−35 18.5	0.250	0.821	124.2	21.0	44 E	6*	37*
1 6	22 9.75	−26 39.5	0.161	0.869	131.6	20.9	41 E	13*	34*
1 16	22 57.99	− 1 20.0	0.090	0.928	126.2	19.3	50 E	36*	26*

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
402362 2005 WL_{17}									
5 21	18 12.67	−23 43.7	1.098	2.025	15.7	21.4	147 W	21	88
5 31	18 6.47	−24 13.4	1.009	1.986	10.9	21.0	158 W	21	88
6 10	17 56.71	−24 45.7	0.940	1.948	5.2	20.5	170 W	20	89
6 20	17 44.37	−25 16.6	0.893	1.909	1.6	20.2	177 E	20	89
6 25	17 37.75	−25 30.4	0.878	1.889	4.8	20.3	171 E	19	90
6 30	17 31.20	−25 42.8	0.869	1.869	8.1	20.4	165 E	19	90
7 5	17 25.00	−25 53.6	0.865	1.850	11.5	20.5	159 E	19	90
7 10	17 19.40	−26 3.0	0.866	1.831	14.7	20.6	153 E	19	90
7 15	17 14.61	−26 11.3	0.872	1.811	17.8	20.7	147 E	19	90
7 20	17 10.81	−26 18.9	0.882	1.792	20.7	20.8	141 E	19	90
7 25	17 8.16	−26 26.2	0.896	1.773	23.4	20.9	136 E	19	90
7 30	17 6.74	−26 33.5	0.912	1.754	25.9	21.0	131 E	18	89
8 4	17 6.57	−26 41.2	0.931	1.735	28.2	21.1	126 E	18	89
8 9	17 7.64	−26 49.2	0.952	1.717	30.2	21.2	122 E	18	89
8 14	17 9.95	−26 57.6	0.975	1.699	32.0	21.3	117 E	18*	89
8 19	17 13.45	−27 6.2	0.999	1.681	33.6	21.3	113 E	18*	89
8 24	17 18.10	−27 14.8	1.024	1.663	34.9	21.4	110 E	18*	89
8 29	17 23.84	−27 23.1	1.050	1.646	36.1	21.5	106 E	17*	89
403049 2008 AY_{36}									
5 21	18 13.84	−20 10.7	2.165	3.062	10.4	22.5	147 W	25	84
5 31	18 5.93	−19 56.4	2.092	3.056	7.1	22.3	158 W	25	84
6 10	17 56.38	−19 42.4	2.045	3.049	3.5	22.0	169 W	25	84
6 20	17 45.97	−19 28.9	2.027	3.041	1.5	21.8	176 E	26	83
6 30	17 35.66	−19 16.2	2.037	3.032	4.9	22.1	165 E	26	83
7 10	17 26.42	−19 5.6	2.076	3.021	8.5	22.3	154 E	26	83
118148 4204 *T–3*									
5 21	18 14.29	−13 8.8	2.471	3.353	9.9	21.6	145 W	32	77
5 31	18 7.30	−12 51.1	2.395	3.345	7.2	21.4	156 W	32	77
6 10	17 58.90	−12 38.8	2.344	3.335	4.5	21.3	165 W	32	77
6 20	17 49.73	−12 32.5	2.322	3.325	3.3	21.2	169 E	32	77
6 30	17 40.57	−12 32.8	2.329	3.314	5.2	21.3	163 E	32	77
7 10	17 32.18	−12 39.7	2.363	3.302	8.0	21.4	153 E	32	77
469191 2016 GU_{134}									
5 21	18 14.65	+ 4 17.6	2.006	2.833	14.0	22.4	137 W	49	60
5 31	18 7.09	+ 5 17.9	1.958	2.843	12.0	22.3	144 W	50	59
6 10	17 58.03	+ 5 58.0	1.933	2.852	10.5	22.2	149 W	51	58
6 20	17 48.24	+ 6 14.7	1.933	2.860	10.1	22.2	150 E	51	58
6 30	17 38.66	+ 6 6.7	1.957	2.867	11.0	22.2	147 E	51	58
7 10	17 30.16	+ 5 35.6	2.005	2.873	12.7	22.4	142 E	51	58
351815 2006 OF_{15}									
5 21	18 17.42	+ 6 14.1	1.194	2.043	20.3	21.3	136 W	51	58
5 26	18 14.34	+ 6 25.7	1.143	2.022	19.1	21.2	139 W	51	58
5 31	18 10.36	+ 6 29.2	1.096	2.000	17.8	21.0	143 W	51	58
6 5	18 5.53	+ 6 23.4	1.054	1.979	16.6	20.9	146 W	51	58
6 10	17 59.91	+ 6 6.9	1.016	1.957	15.6	20.7	149 W	51	58
6 15	17 53.63	+ 5 38.6	0.984	1.935	14.9	20.6	151 W	51	58
6 20	17 46.85	+ 4 57.6	0.956	1.912	14.7	20.5	152 E	50	59
6 25	17 39.77	+ 4 3.5	0.934	1.890	15.0	20.5	151 E	49	60
6 30	17 32.64	+ 2 56.3	0.918	1.867	16.0	20.4	150 E	48	61
7 5	17 25.70	+ 1 37.1	0.907	1.844	17.5	20.4	147 E	47	62
7 10	17 19.18	+ 0 6.9	0.901	1.822	19.4	20.5	144 E	45	64
7 15	17 13.29	− 1 32.5	0.900	1.799	21.5	20.5	140 E	43	66
7 20	17 8.22	− 3 19.2	0.904	1.776	23.8	20.5	135 E	42	67
7 25	17 4.13	− 5 11.4	0.912	1.753	26.1	20.6	131 E	40	69
7 30	17 1.14	− 7 7.1	0.924	1.730	28.3	20.7	126 E	38	71
8 4	16 59.29	− 9 4.6	0.939	1.707	30.4	20.7	122 E	36	73
8 9	16 58.61	−11 2.4	0.956	1.684	32.3	20.8	117 E	34*	75
8 14	16 59.12	−12 59.4	0.976	1.661	34.1	20.9	113 E	32*	77
8 19	17 0.82	−14 54.7	0.998	1.639	35.7	20.9	109 E	30*	79
8 24	17 3.68	−16 47.5	1.021	1.616	37.1	21.0	105 E	28*	81
8 29	17 7.69	−18 37.2	1.045	1.594	38.3	21.0	102 E	26*	83
9 3	17 12.79	−20 23.2	1.070	1.572	39.4	21.1	98 E	24*	84
9 8	17 18.96	−22 5.3	1.095	1.551	40.3	21.1	95 E	22*	86*
9 13	17 26.16	−23 43.0	1.119	1.529	41.1	21.2	92 E	20*	85*
9 18	17 34.39	−25 15.9	1.144	1.509	41.8	21.2	89 E	19*	83*
9 23	17 43.60	−26 43.8	1.168	1.489	42.3	21.2	86 E	17*	80*
9 28	17 53.78	−28 6.2	1.192	1.469	42.7	21.3	84 E	16*	77*
10 3	18 4.88	−29 22.6	1.215	1.450	43.0	21.3	81 E	15*	75*
10 8	18 16.89	−30 32.7	1.237	1.432	43.2	21.3	79 E	14*	73*
10 13	18 29.78	−31 36.0	1.258	1.415	43.3	21.3	77 E	13*	70*
10 18	18 43.52	−32 31.8	1.279	1.399	43.4	21.3	75 E	12*	68*
10 23	18 58.08	−33 19.7	1.298	1.383	43.4	21.3	73 E	11*	67*
10 28	19 13.39	−33 59.1	1.317	1.369	43.4	21.4	71 E	11*	65*
11 2	19 29.40	−34 29.5	1.334	1.356	43.3	21.4	70 E	10*	63*
11 7	19 46.05	−34 50.2	1.351	1.344	43.2	21.4	68 E	10*	62*
11 12	20 3.25	−35 0.8	1.367	1.333	43.0	21.4	67 E	10*	61*
11 17	20 20.94	−35 0.9	1.382	1.323	42.8	21.4	65 E	10*	59*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
351815 2006 OF_{15} *(continuation)*									
11 22	20 39.01	−34 50.0	1.397	1.315	42.6	21.4	64 E	10*	58*
11 27	20 57.37	−34 28.1	1.411	1.309	42.3	21.4	63 E	10*	57*
12 2	21 15.91	−33 55.0	1.424	1.303	42.1	21.4	62 E	11*	56*
12 7	21 34.54	−33 10.7	1.438	1.300	41.8	21.4	62 E	12*	55*
12 12	21 53.18	−32 15.4	1.452	1.298	41.5	21.4	61 E	13*	54*
12 17	22 11.73	−31 9.5	1.466	1.297	41.2	21.4	60 E	14*	53*
12 22	22 30.14	−29 53.4	1.481	1.298	40.8	21.4	60 E	15*	52*
12 27	22 48.34	−28 27.8	1.496	1.300	40.4	21.4	59 E	16*	51*
1 1	23 6.27	−26 53.4	1.512	1.305	40.0	21.5	59 E	18*	51*
1 6	23 23.91	−25 11.2	1.530	1.310	39.6	21.5	58 E	19*	50*
390689 2002 VS_{91}									
5 21	18 19.74	−14 37.2	1.534	2.429	14.1	22.4	144 W	30	79
5 31	18 10.72	−14 15.6	1.480	2.439	10.0	22.1	155 W	31	78
6 10	17 59.55	−14 0.7	1.450	2.447	5.8	21.9	166 W	31	78
6 20	17 47.32	−13 53.6	1.447	2.454	4.0	21.8	170 E	31	78
6 30	17 35.40	−13 54.6	1.471	2.460	7.0	22.0	163 E	31	78
7 10	17 25.06	−14 3.9	1.520	2.465	11.1	22.3	152 E	31	78
523613 2006 SJ_{198}									
5 21	18 19.74	−23 41.5	1.698	2.597	12.7	21.7	146 W	21	88
5 31	18 9.02	−23 38.4	1.667	2.633	8.4	21.5	158 W	21	88
6 10	17 56.56	−23 32.0	1.662	2.668	3.8	21.3	170 W	21	88
6 20	17 43.55	−23 21.7	1.685	2.701	1.0	21.1	177 E	22	87
6 30	17 31.33	−23 8.3	1.737	2.732	5.5	21.5	165 E	22	87
7 10	17 21.00	−22 53.7	1.817	2.762	9.6	21.8	153 E	22	87
515082 2010 TM_3									
5 21	18 21.21	−36 40.9	0.786	1.710	20.6	22.3	144 W	8	79
5 26	18 15.92	−37 41.7	0.756	1.704	18.1	22.1	149 W	7	78
5 31	18 8.97	−38 40.4	0.730	1.698	15.5	21.9	153 W	6	77
6 5	18 0.47	−39 34.6	0.708	1.691	13.1	21.8	158 W	5	76
6 10	17 50.63	−40 21.6	0.692	1.684	11.3	21.6	161 W	5	76
6 15	17 39.78	−40 58.8	0.680	1.677	10.6	21.6	162 W	4	75
6 20	17 28.40	−41 24.2	0.674	1.668	11.3	21.6	161 E	4	75
6 25	17 17.05	−41 37.0	0.673	1.660	13.2	21.6	158 E	3	74
6 30	17 6.30	−41 37.5	0.677	1.651	15.9	21.7	154 E	3	74
7 5	16 56.65	−41 27.4	0.685	1.641	18.8	21.8	149 E	4	75
7 10	16 48.45	−41 8.6	0.698	1.631	21.8	21.9	143 E	4	75
7 15	16 41.94	−40 43.7	0.714	1.620	24.7	22.1	138 E	4	75
344150 2000 QV_{159}									
5 21	18 23.49	− 6 46.4	1.487	2.360	15.7	21.5	141 W	38	71
5 31	18 18.63	− 5 46.2	1.388	2.320	12.8	21.2	150 W	39	70
6 10	18 11.24	− 4 57.5	1.311	2.281	9.9	20.9	157 W	40	69
6 20	18 1.98	− 4 25.5	1.256	2.241	8.5	20.7	161 W	41	68
6 30	17 51.93	− 4 14.6	1.224	2.201	9.9	20.7	158 E	41	68
7 10	17 42.43	− 4 26.5	1.216	2.161	13.2	20.8	151 E	41	68
7 20	17 34.72	− 5 0.3	1.228	2.122	17.2	20.9	142 E	40	69
7 30	17 29.82	− 5 52.7	1.257	2.082	21.0	21.0	133 E	39	70
8 9	17 28.29	− 6 58.7	1.300	2.044	24.4	21.2	124 E	38	71
8 19	17 30.33	− 8 13.4	1.353	2.006	27.2	21.3	115 E	37	72
8 29	17 35.91	− 9 31.9	1.413	1.968	29.3	21.4	108 E	35*	74
197970 2004 RZ_{109}									
5 21	18 26.24	−58 42.8	2.853	3.614	11.9	22.1	133 W	—	57
5 26	18 20.76	−59 12.2	2.815	3.608	11.3	22.0	136 W	—	57
5 31	18 14.42	−59 37.0	2.783	3.602	10.8	22.0	138 W	—	56
6 5	18 7.34	−59 56.4	2.756	3.596	10.4	21.9	140 W	—	56
6 10	17 59.67	−60 9.6	2.735	3.589	10.0	21.9	142 W	—	56
6 15	17 51.59	−60 16.0	2.719	3.582	9.8	21.9	143 W	—	56
6 20	17 43.33	−60 15.3	2.710	3.575	9.8	21.9	143 E	—	56
6 25	17 35.13	−60 7.2	2.707	3.568	10.0	21.9	143 E	—	56
6 30	17 27.21	−59 52.2	2.710	3.561	10.3	21.9	141 E	—	56
7 5	17 19.80	−59 30.6	2.719	3.553	10.7	21.9	139 E	—	56
7 10	17 13.05	−59 3.1	2.733	3.545	11.3	21.9	137 E	—	57
7 15	17 7.11	−58 30.6	2.753	3.537	11.9	22.0	134 E	—	57
357622 2005 EY_{95}									
5 21	18 26.53	−23 25.7	0.633	1.569	22.3	21.4	144 W	22	87
5 26	18 18.55	−23 46.1	0.586	1.551	18.6	21.0	151 W	21	88
5 31	18 8.05	−24 7.9	0.544	1.532	14.4	20.7	158 W	21	88
6 5	17 54.90	−24 29.3	0.507	1.511	9.6	20.4	166 W	21	88
6 10	17 39.09	−24 47.5	0.475	1.488	4.2	19.9	174 W	20	89
6 15	17 20.88	−24 59.4	0.449	1.464	2.4	19.7	177 E	20	89
6 20	17 0.81	−25 1.7	0.429	1.438	8.8	19.8	168 E	20	89
6 25	16 39.79	−24 52.6	0.416	1.411	15.6	20.0	158 E	20	89
6 30	16 18.84	−24 32.0	0.409	1.382	22.6	20.1	149 E	20	89
7 5	15 58.94	−24 2.1	0.407	1.351	29.4	20.3	139 E	21	88
7 10	15 40.83	−23 26.4	0.409	1.318	36.0	20.4	130 E	22	87
7 15	15 24.94	−22 48.6	0.414	1.284	42.2	20.6	122 E	22*	87

357622 2005 EY_{95} *(continuation)*

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
7 20	15 11.42	−22 12.1	0.421	1.248	48.1	20.7	114 E	22*	86
7 25	15 0.19	−21 39.2	0.429	1.210	53.6	20.8	107 E	21*	86
7 30	14 50.99	−21 11.0	0.437	1.170	58.8	21.0	100 E	20*	85
8 4	14 43.44	−20 47.4	0.444	1.129	63.9	21.1	93 E	18*	85*
8 9	14 37.11	−20 27.9	0.449	1.085	68.9	21.2	87 E	17*	80*
8 14	14 31.59	−20 10.9	0.452	1.040	74.0	21.2	81 E	15*	75*
8 19	14 26.39	−19 54.8	0.452	0.993	79.4	21.3	75 E	14*	69*
8 24	14 20.97	−19 36.9	0.448	0.944	85.3	21.4	68 E	12*	62*

376794 2000 SN_{125}

5 21	18 27.54	−27 5.6	1.405	2.301	15.1	21.3	144 W	18	89
5 31	18 21.38	−27 47.2	1.305	2.263	11.1	20.9	155 W	17	88
6 10	18 11.89	−28 29.0	1.227	2.225	6.4	20.6	166 W	17	88
6 20	17 59.85	−29 6.1	1.173	2.186	2.7	20.2	174 W	16	87
6 25	17 53.28	−29 21.2	1.155	2.167	3.7	20.2	172 E	16	87
6 30	17 46.67	−29 33.6	1.144	2.147	6.0	20.3	167 E	15	86
7 5	17 40.23	−29 43.0	1.139	2.127	8.8	20.4	161 E	15	86
7 10	17 34.20	−29 49.5	1.139	2.107	11.5	20.5	156 E	15	86
7 15	17 28.77	−29 53.4	1.145	2.087	14.2	20.6	150 E	15	86
7 20	17 24.14	−29 55.1	1.156	2.067	16.7	20.7	144 E	15	86
7 25	17 20.44	−29 55.2	1.172	2.047	19.1	20.8	139 E	15	86
7 30	17 17.78	−29 54.2	1.191	2.027	21.3	20.9	133 E	15	86
8 4	17 16.21	−29 52.6	1.214	2.007	23.4	20.9	128 E	15	86
8 9	17 15.74	−29 50.8	1.239	1.987	25.2	21.0	123 E	15	86
8 14	17 16.36	−29 49.0	1.267	1.967	26.8	21.1	119 E	15	86
8 19	17 18.07	−29 47.4	1.296	1.947	28.2	21.2	114 E	15*	86
8 24	17 20.83	−29 46.0	1.327	1.927	29.5	21.2	110 E	15*	86
8 29	17 24.60	−29 44.8	1.359	1.907	30.5	21.3	106 E	15*	86
9 3	17 29.31	−29 43.5	1.391	1.888	31.4	21.3	103 E	15*	86
9 8	17 34.90	−29 41.9	1.424	1.868	32.2	21.4	99 E	15*	86
9 13	17 41.34	−29 39.8	1.457	1.848	32.8	21.4	96 E	15*	86*
9 18	17 48.57	−29 36.8	1.490	1.829	33.3	21.5	92 E	15*	85*

332446 2008 AF_4

5 21	18 30.13	−13 7.5	0.836	1.746	21.1	21.6	142 W	32	77
5 26	18 26.10	−13 9.9	0.787	1.727	18.6	21.3	147 W	32	77
5 31	18 20.62	−13 16.9	0.742	1.708	15.7	21.1	153 W	32	77
6 5	18 13.66	−13 29.0	0.701	1.688	12.6	20.8	159 W	32	77
6 10	18 5.26	−13 46.4	0.665	1.666	9.3	20.5	165 W	31	78
6 15	17 55.52	−14 9.4	0.635	1.644	6.4	20.3	170 W	31	78
6 20	17 44.66	−14 37.6	0.610	1.622	5.7	20.1	171 E	30	79
6 25	17 33.02	−15 10.7	0.591	1.598	8.2	20.1	167 E	30	79
6 30	17 21.05	−15 48.0	0.577	1.573	12.3	20.2	161 E	29	80
7 5	17 9.20	−16 28.7	0.569	1.548	16.8	20.3	154 E	29	80
7 10	16 57.92	−17 12.0	0.566	1.522	21.5	20.4	147 E	28	81
7 15	16 47.63	−17 57.6	0.567	1.495	26.0	20.5	140 E	27	82
7 20	16 38.65	−18 45.0	0.571	1.468	30.3	20.6	133 E	26	83
7 25	16 31.21	−19 34.1	0.579	1.439	34.4	20.7	127 E	25	84
7 30	16 25.44	−20 24.8	0.588	1.410	38.2	20.8	121 E	25*	84
8 4	16 21.36	−21 17.3	0.598	1.381	41.6	20.9	115 E	23*	85
8 9	16 18.92	−22 11.3	0.609	1.350	44.8	21.0	110 E	22*	86
8 14	16 18.07	−23 7.0	0.619	1.319	47.8	21.1	105 E	21*	87
8 19	16 18.74	−24 4.3	0.629	1.288	50.5	21.1	101 E	19*	88
8 24	16 20.84	−25 3.0	0.637	1.256	53.1	21.2	97 E	18*	89
8 29	16 24.27	−26 3.2	0.644	1.223	55.6	21.2	93 E	17*	87*
9 3	16 28.94	−27 4.6	0.648	1.190	57.9	21.2	89 E	15*	83*
9 8	16 34.74	−28 6.8	0.651	1.158	60.2	21.2	86 E	14*	79*
9 13	16 41.63	−29 9.8	0.650	1.125	62.5	21.2	83 E	13*	76*
9 18	16 49.54	−30 13.2	0.647	1.092	64.8	21.2	80 E	12*	73*
9 23	16 58.42	−31 16.9	0.640	1.059	67.2	21.2	77 E	11*	70*
9 28	17 8.19	−32 20.5	0.631	1.027	69.7	21.2	74 E	10*	67*
10 3	17 18.78	−33 23.7	0.617	0.996	72.4	21.2	72 E	9*	65*
10 8	17 30.10	−34 26.2	0.601	0.966	75.2	21.1	69 E	8*	62*
10 13	17 42.07	−35 27.7	0.581	0.938	78.2	21.1	67 E	7*	60*
10 18	17 54.62	−36 28.1	0.558	0.912	81.6	21.1	65 E	6*	58*
10 23	18 7.59	−37 27.2	0.532	0.887	85.1	21.1	63 E	5*	56*
10 28	18 20.80	−38 25.0	0.502	0.866	89.0	21.0	61 E	4*	54*
11 2	18 34.04	−39 21.7	0.470	0.848	93.2	21.0	59 E	3*	52*
11 7	18 47.05	−40 17.4	0.436	0.833	97.7	21.0	56 E	2*	50*
11 12	18 59.55	−41 12.5	0.400	0.823	102.5	21.0	54 E	1*	47*
11 17	19 11.24	−42 7.8	0.363	0.817	107.6	21.1	52 E	—	45*
11 22	19 21.69	−43 4.2	0.324	0.815	112.9	21.2	49 E	—	43*
11 27	19 30.43	−44 2.5	0.286	0.818	118.4	21.3	47 E	—	40*
12 2	19 36.88	−45 3.7	0.248	0.825	124.1	21.4	44 E	—	37*

16657 1993 UB

5 21	18 38.20	−51 53.0	2.097	2.901	14.3	21.4	135 W	—	64
5 26	18 33.47	−52 48.8	2.048	2.884	13.5	21.3	138 W	—	63
5 31	18 27.59	−53 41.8	2.004	2.867	12.7	21.2	141 W	—	62
6 5	18 20.61	−54 30.4	1.965	2.850	12.1	21.2	144 W	—	61
6 10	18 12.60	−55 13.3	1.933	2.832	11.6	21.1	146 W	—	61

16657 1993 UB *(continuation)*

6 15	18 3.72	−55 49.0	1.907	2.814	11.3	21.0	147 W	—	60
6 20	17 54.19	−56 16.3	1.887	2.795	11.4	21.0	147 E	—	60
6 25	17 44.30	−56 34.5	1.873	2.776	11.7	21.0	146 E	—	59
6 30	17 34.38	−56 43.1	1.865	2.757	12.3	21.0	145 E	—	59
7 5	17 24.75	−56 42.3	1.863	2.738	13.2	21.0	142 E	—	59
7 10	17 15.72	−56 32.7	1.867	2.718	14.2	21.0	139 E	—	59
7 15	17 7.56	−56 15.3	1.876	2.698	15.3	21.1	136 E	—	60
7 20	17 0.46	−55 51.3	1.890	2.678	16.4	21.1	132 E	—	60
7 25	16 54.59	−55 22.0	1.909	2.657	17.6	21.1	128 E	—	61
7 30	16 50.01	−54 49.0	1.931	2.636	18.6	21.2	124 E	—	61
8 4	16 46.75	−54 13.4	1.957	2.614	19.7	21.2	120 E	—	62
8 9	16 44.78	−53 36.5	1.985	2.592	20.6	21.3	116 E	—	62
8 14	16 44.05	−52 59.1	2.016	2.570	21.5	21.3	112 E	—	63
8 19	16 44.51	−52 21.9	2.049	2.548	22.2	21.4	108 E	—	64
8 24	16 46.10	−51 45.4	2.083	2.525	22.9	21.4	104 E	—	64
8 29	16 48.73	−51 10.1	2.118	2.502	23.4	21.4	100 E	—	65
9 3	16 52.33	−50 36.1	2.154	2.478	23.9	21.5	96 E	—	65*
9 8	16 56.81	−50 3.5	2.189	2.454	24.2	21.5	93 E	—	65*

164206 2004 FN_{18}

5 21	18 38.30	− 1 15.9	1.570	2.397	17.3	21.4	135 W	44	65
5 26	18 34.18	− 0 26.9	1.534	2.398	15.9	21.3	140 W	45	64
5 31	18 29.33	+ 0 19.0	1.503	2.398	14.4	21.2	144 W	45	64
6 5	18 23.83	+ 1 0.7	1.478	2.397	13.1	21.1	148 W	46	63
6 10	18 17.79	+ 1 37.5	1.458	2.396	11.9	21.0	151 W	47	62
6 15	18 11.34	+ 2 8.5	1.445	2.395	11.1	21.0	153 W	47	62
6 20	18 4.64	+ 2 33.0	1.438	2.393	10.8	21.0	154 W	48	61
6 25	17 57.85	+ 2 50.6	1.438	2.391	11.0	21.0	153 E	48	61
6 30	17 51.17	+ 3 1.0	1.444	2.388	11.7	21.0	152 E	48	61
7 5	17 44.76	+ 3 4.2	1.456	2.384	12.8	21.1	149 E	48	61
7 10	17 38.78	+ 3 0.7	1.474	2.380	14.2	21.1	145 E	48	61
7 15	17 33.35	+ 2 50.7	1.498	2.375	15.6	21.2	141 E	48	61
7 20	17 28.59	+ 2 35.0	1.527	2.370	17.1	21.3	137 E	48	61
7 25	17 24.57	+ 2 14.1	1.560	2.364	18.6	21.4	132 E	47	62
7 30	17 21.34	+ 1 49.0	1.597	2.358	19.9	21.5	128 E	47	62

395143 2010 CN_1

5 21	18 41.58	+ 3 59.7	1.080	1.910	23.3	21.4	132 W	49	60
5 26	18 38.20	+ 5 45.0	1.032	1.891	22.2	21.2	135 W	51	58
5 31	18 33.69	+ 7 30.7	0.989	1.871	21.2	21.1	138 W	53	56
6 5	18 28.08	+ 9 14.7	0.951	1.850	20.4	20.9	141 W	54	55
6 10	18 21.40	+10 55.0	0.917	1.829	19.9	20.8	142 W	56	53
6 15	18 13.76	+12 29.1	0.889	1.806	19.8	20.7	143 W	57	52
6 20	18 5.31	+13 54.1	0.866	1.783	20.3	20.7	143 W	59	50
6 25	17 56.28	+15 7.6	0.848	1.760	21.2	20.6	141 E	60	49
6 30	17 46.96	+16 7.6	0.835	1.735	22.7	20.6	139 E	61	48
7 5	17 37.65	+16 52.7	0.827	1.710	24.5	20.6	136 E	62	47
7 10	17 28.65	+17 22.3	0.823	1.684	26.5	20.6	132 E	62	47
7 15	17 20.25	+17 36.6	0.822	1.657	28.8	20.6	128 E	63	46
7 20	17 12.70	+17 36.3	0.825	1.630	31.0	20.7	124 E	63	46
7 25	17 6.20	+17 22.5	0.830	1.602	33.3	20.7	120 E	62	47
7 30	17 0.89	+16 57.1	0.836	1.573	35.5	20.8	116 E	62	47
8 4	16 56.84	+16 22.0	0.844	1.543	37.6	20.8	112 E	61	48
8 9	16 54.07	+15 38.6	0.852	1.513	39.6	20.8	108 E	61*	48
8 14	16 52.58	+14 48.4	0.860	1.482	41.5	20.8	104 E	60*	49
8 19	16 52.35	+13 52.9	0.868	1.451	43.3	20.9	101 E	58*	50
8 24	16 53.34	+12 53.0	0.874	1.419	45.0	20.9	97 E	57*	51
8 29	16 55.50	+11 49.9	0.880	1.386	46.6	20.9	94 E	55*	52
9 3	16 58.77	+10 44.2	0.883	1.353	48.2	20.9	91 E	54*	53*
9 8	17 3.10	+ 9 36.5	0.885	1.319	49.7	20.9	88 E	52*	54*
9 13	17 8.43	+ 8 27.1	0.884	1.286	51.3	20.9	85 E	51*	54*
9 18	17 14.76	+ 7 16.2	0.881	1.252	52.8	20.9	83 E	49*	55*
9 23	17 22.05	+ 6 3.9	0.876	1.217	54.4	20.8	80 E	48*	54*
9 28	17 30.26	+ 4 50.3	0.867	1.183	56.0	20.8	78 E	47*	54*
10 3	17 39.39	+ 3 35.3	0.856	1.149	57.7	20.7	76 E	45*	53*
10 8	17 49.41	+ 2 18.4	0.842	1.115	59.5	20.7	74 E	44*	52*
10 13	18 0.34	+ 0 59.3	0.825	1.082	61.4	20.6	72 E	43*	51*
10 18	18 12.20	− 0 22.7	0.805	1.049	63.4	20.6	70 E	42*	50*
10 23	18 25.00	− 1 48.3	0.782	1.017	65.6	20.5	69 E	40*	49*
10 28	18 38.76	− 3 18.4	0.757	0.987	68.0	20.5	67 E	39*	48*
11 2	18 53.51	− 4 54.3	0.730	0.959	70.5	20.4	66 E	38*	48*
11 7	19 9.28	− 6 37.6	0.701	0.932	73.2	20.3	64 E	36*	47*
11 12	19 26.14	− 8 29.9	0.670	0.908	76.0	20.3	63 E	35*	47*
11 17	19 44.18	−10 33.0	0.638	0.888	79.0	20.2	62 E	33*	46*
11 22	20 3.47	−12 48.8	0.606	0.870	81.9	20.2	61 E	31*	46*
11 27	20 24.12	−15 19.0	0.574	0.856	84.8	20.1	60 E	28*	47*
12 2	20 46.27	−18 4.4	0.543	0.847	87.5	20.1	59 E	26*	47*
12 7	21 10.08	−21 5.0	0.514	0.842	89.8	20.1	59 E	23*	48*
12 12	21 35.79	−24 18.7	0.488	0.841	91.6	20.0	59 E	20*	50*
12 17	22 3.62	−27 40.8	0.465	0.845	92.7	20.0	59 E	17*	51*

395143 2010 CN_1 *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 19	22 15.40	−29 2.4	0.457	0.848	92.9	19.9	59 E	16*	52*
12 21	22 27.56	−30 23.7	0.450	0.852	93.0	19.9	60 E	14*	53*
12 23	22 40.12	−31 44.0	0.443	0.856	92.9	19.9	60 E	13*	54*
12 25	22 53.07	−33 2.6	0.437	0.861	92.6	19.9	61 E	12*	55*
12 27	23 6.41	−34 18.8	0.432	0.867	92.2	19.8	62 E	11*	56*
12 29	23 20.15	−35 31.7	0.428	0.873	91.7	19.8	63 E	9*	56*
12 31	23 34.25	−36 40.7	0.424	0.880	91.0	19.8	63 E	8*	57*
1 2	23 48.71	−37 45.1	0.421	0.887	90.2	19.7	64 E	7*	58*
1 4	0 3.49	−38 44.0	0.418	0.895	89.3	19.7	66 E	6	59*
1 6	0 18.56	−39 36.8	0.417	0.904	88.2	19.7	67 E	5	60*
1 8	0 33.86	−40 23.1	0.416	0.912	87.1	19.7	68 E	5	62*
1 10	0 49.34	−41 2.2	0.415	0.922	85.9	19.6	69 E	4	63*
1 12	1 4.94	−41 33.9	0.415	0.932	84.6	19.6	71 E	3	64*
1 14	1 20.59	−41 58.0	0.416	0.942	83.2	19.6	72 E	3	65*
1 16	1 36.21	−42 14.3	0.417	0.953	81.8	19.6	73 E	3	66*

488658 2003 SZ_{290}

5 21	18 51.24	− 6 36.6	1.284	2.120	19.9	21.3	134 W	38	71
5 26	18 50.52	− 5 50.8	1.232	2.102	18.5	21.1	139 W	39	70
5 31	18 49.00	− 5 6.5	1.184	2.085	17.1	21.0	143 W	40	69
6 5	18 46.71	− 4 24.5	1.141	2.067	15.5	20.8	147 W	41	68
6 10	18 43.67	− 3 45.6	1.103	2.050	13.9	20.7	151 W	41	68
6 15	18 39.95	− 3 10.8	1.069	2.033	12.5	20.5	154 W	42	67
6 20	18 35.64	− 2 41.1	1.040	2.015	11.3	20.4	157 W	42	67
6 25	18 30.89	− 2 17.2	1.017	1.998	10.7	20.3	159 W	43	66
6 30	18 25.87	− 2 0.1	0.999	1.981	10.8	20.3	159 E	43	66
7 10	18 15.76	− 1 47.6	0.979	1.947	12.9	20.3	155 E	43	66
7 20	18 6.84	− 2 4.7	0.979	1.914	16.8	20.4	147 E	43	66
7 30	18 0.52	− 2 48.6	0.997	1.881	21.0	20.5	138 E	42	67
8 4	17 58.65	− 3 18.6	1.011	1.865	23.0	20.6	134 E	42	67
8 9	17 57.74	− 3 52.9	1.029	1.850	24.9	20.6	130 E	41	68
8 14	17 57.81	− 4 30.4	1.049	1.834	26.7	20.7	126 E	40	69
8 19	17 58.90	− 5 10.4	1.072	1.819	28.3	20.8	122 E	40	69
8 24	18 0.99	− 5 51.9	1.096	1.805	29.7	20.9	118 E	39	70
8 29	18 4.07	− 6 34.2	1.123	1.790	31.0	20.9	114 E	38	71
9 3	18 8.09	− 7 16.4	1.150	1.776	32.1	21.0	111 E	38	71
9 8	18 13.01	− 7 57.9	1.179	1.763	33.1	21.1	107 E	37	72
9 13	18 18.79	− 8 38.2	1.209	1.750	33.9	21.1	104 E	36	73
9 18	18 25.37	− 9 16.6	1.240	1.737	34.6	21.2	101 E	36	73
9 23	18 32.73	− 9 52.7	1.271	1.725	35.2	21.3	98 E	35*	74
9 28	18 40.80	−10 26.1	1.303	1.713	35.6	21.3	95 E	35*	74*
10 3	18 49.53	−10 56.2	1.335	1.702	36.0	21.4	92 E	34*	74*
10 8	18 58.87	−11 22.7	1.368	1.692	36.2	21.4	90 E	34*	73*
10 13	19 8.78	−11 45.4	1.401	1.682	36.3	21.4	87 E	33*	72*
10 18	19 19.20	−12 4.0	1.434	1.673	36.4	21.5	85 E	33*	70*

433986 1999 XB_{236}

5 21	19 5.39	−31 58.7	1.124	1.976	21.1	21.3	135 W	13	84
5 26	19 4.18	−32 56.9	1.078	1.966	19.3	21.1	140 W	12	83
5 31	19 1.78	−33 58.5	1.037	1.956	17.3	20.9	145 W	11	82
6 5	18 58.16	−35 2.3	1.000	1.946	15.1	20.8	150 W	10	81
6 10	18 53.32	−36 7.1	0.968	1.936	12.9	20.6	155 W	9	80
6 15	18 47.31	−37 11.0	0.942	1.925	10.9	20.5	159 W	8	79
6 20	18 40.24	−38 12.1	0.921	1.914	9.3	20.3	162 W	7	78
6 25	18 32.32	−39 8.0	0.905	1.903	8.5	20.3	164 W	6	77
6 30	18 23.86	−39 57.1	0.896	1.892	9.0	20.3	163 E	5	76
7 5	18 15.19	−40 37.8	0.892	1.880	10.6	20.3	160 E	4	75
7 10	18 6.68	−41 9.4	0.893	1.868	12.8	20.4	156 E	4	75
7 15	17 58.71	−41 31.7	0.900	1.856	15.4	20.5	151 E	3	74
7 20	17 51.60	−41 45.3	0.912	1.844	17.9	20.6	146 E	3	74
7 25	17 45.64	−41 51.2	0.928	1.832	20.5	20.7	141 E	3	74
7 30	17 41.03	−41 50.7	0.947	1.819	22.8	20.8	136 E	3	74
8 4	17 37.87	−41 45.3	0.970	1.807	25.0	20.9	131 E	3	74
8 9	17 36.20	−41 36.0	0.996	1.794	27.0	21.0	126 E	3	74
8 14	17 36.00	−41 24.0	1.024	1.781	28.8	21.1	122 E	4	75
8 19	17 37.24	−41 9.9	1.053	1.768	30.4	21.2	118 E	4	75
8 24	17 39.84	−40 54.3	1.084	1.755	31.8	21.2	114 E	4	75
8 29	17 43.73	−40 37.7	1.116	1.742	33.0	21.3	110 E	4*	75
9 3	17 48.79	−40 20.0	1.149	1.729	34.0	21.4	106 E	5*	76
9 8	17 54.93	−40 1.1	1.182	1.716	34.9	21.5	103 E	5*	76

297274 1996 SK

5 21	19 9.01	−19 51.5	2.063	2.859	14.8	21.5	134 W	25	84
5 31	18 58.33	−20 1.0	2.035	2.931	11.2	21.4	146 W	25	84
6 10	18 45.64	−20 12.1	2.033	3.000	7.1	21.3	158 W	25	84
6 20	18 31.88	−20 22.9	2.059	3.067	3.0	21.1	171 W	25	84
6 30	18 18.17	−20 31.8	2.118	3.132	1.6	21.1	175 E	24	85
7 10	18 5.60	−20 38.6	2.208	3.194	5.3	21.5	163 E	24	85
7 20	17 54.97	−20 43.8	2.327	3.255	8.6	21.8	151 E	24	85

509280 2006 VQ_4

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 21	19 9.16	−29 43.0	1.765	2.579	16.2	21.5	135 W	15	86
5 31	19 5.41	−30 33.0	1.653	2.550	13.3	21.2	145 W	14	85
6 10	18 58.45	−31 25.7	1.561	2.520	9.7	20.9	155 W	14	85
6 20	18 48.61	−32 16.0	1.493	2.489	6.0	20.6	165 W	13	84
6 30	18 36.75	−32 57.6	1.449	2.457	4.0	20.4	170 W	12	83
7 5	18 30.49	−33 13.5	1.438	2.441	5.0	20.4	168 E	12	83
7 10	18 24.25	−33 25.6	1.433	2.425	6.7	20.5	164 E	12	83
7 15	18 18.24	−33 33.7	1.434	2.409	8.8	20.6	159 E	11	82
7 20	18 12.65	−33 38.0	1.441	2.393	11.0	20.7	153 E	11	82
7 25	18 7.65	−33 38.7	1.454	2.376	13.1	20.8	148 E	11	82
7 30	18 3.39	−33 36.3	1.472	2.360	15.2	20.8	142 E	11	82
8 4	17 59.98	−33 31.3	1.495	2.343	17.1	20.9	137 E	11	82
8 9	17 57.47	−33 24.2	1.522	2.326	18.9	21.0	132 E	12	83
8 14	17 55.91	−33 15.6	1.553	2.310	20.5	21.1	127 E	12	83
8 19	17 55.32	−33 5.9	1.586	2.293	21.9	21.2	122 E	12	83
8 24	17 55.70	−32 55.4	1.623	2.276	23.2	21.2	118 E	12	83
8 29	17 57.02	−32 44.4	1.661	2.258	24.3	21.3	113 E	12	83
9 3	17 59.24	−32 33.1	1.701	2.241	25.2	21.4	109 E	12	83
9 8	18 2.31	−32 21.4	1.742	2.224	26.0	21.4	105 E	13*	84
9 13	18 6.19	−32 9.3	1.784	2.207	26.6	21.5	101 E	13*	84

11054 1991 FA

5 21	19 13.46	−26 26.0	1.940	2.737	15.5	21.5	134 W	19	90
5 31	19 7.46	−26 45.8	1.826	2.716	12.5	21.2	144 W	18	89
6 10	18 58.36	−27 6.8	1.734	2.693	8.8	20.9	156 W	18	89
6 20	18 46.62	−27 25.2	1.667	2.669	4.7	20.6	168 W	18	89
6 30	18 33.17	−27 37.0	1.628	2.642	1.7	20.4	175 E	17	88
7 5	18 26.22	−27 39.5	1.619	2.629	3.3	20.5	171 E	17	88
7 10	18 19.35	−27 39.6	1.617	2.614	5.5	20.6	166 E	17	88
7 15	18 12.74	−27 37.4	1.622	2.600	7.8	20.7	160 E	17	88
7 20	18 6.57	−27 33.0	1.634	2.585	10.0	20.8	154 E	17	88
7 25	18 0.98	−27 26.7	1.653	2.569	12.2	20.9	148 E	18	89
7 30	17 56.10	−27 19.1	1.676	2.554	14.2	21.0	142 E	18	89
8 4	17 52.00	−27 10.5	1.705	2.537	16.0	21.0	136 E	18	89
8 9	17 48.75	−27 1.4	1.738	2.520	17.7	21.1	131 E	18	89
8 14	17 46.36	−26 52.0	1.775	2.503	19.2	21.2	125 E	18	89
8 19	17 44.86	−26 42.8	1.816	2.486	20.6	21.3	120 E	18	89
8 24	17 44.23	−26 33.8	1.859	2.468	21.7	21.4	115 E	18	89
8 29	17 44.45	−26 25.3	1.903	2.449	22.7	21.4	111 E	19	90
9 3	17 45.49	−26 17.3	1.950	2.430	23.5	21.5	106 E	19*	90

475981 2007 PR_{18}

5 21	19 21.48	−10 59.7	1.593	2.364	19.5	21.3	129 W	34	75
5 31	19 21.32	−10 33.6	1.465	2.320	17.0	21.0	138 W	34	75
6 10	19 18.33	−10 19.1	1.353	2.276	13.8	20.6	148 W	35	74
6 20	19 12.54	−10 19.2	1.260	2.232	10.1	20.3	157 W	35	74
6 30	19 4.39	−10 36.4	1.189	2.188	6.5	20.0	166 W	34	75
7 10	18 54.80	−11 11.4	1.141	2.145	5.8	19.8	168 E	34	75
7 20	18 45.01	−12 2.5	1.116	2.102	9.3	19.9	160 E	33	76
7 25	18 40.50	−12 33.1	1.113	2.081	11.7	19.9	156 E	32	77
7 30	18 36.50	−13 6.3	1.115	2.059	14.1	20.0	150 E	32	77
8 4	18 33.14	−13 41.4	1.121	2.038	16.5	20.1	145 E	31	78
8 9	18 30.56	−14 17.8	1.133	2.018	18.8	20.2	140 E	31	78
8 14	18 28.84	−14 54.9	1.148	1.997	21.0	20.2	135 E	30	79
8 19	18 28.05	−15 32.2	1.166	1.977	23.0	20.3	130 E	29	80
8 29	18 29.45	−16 45.2	1.213	1.937	26.5	20.5	121 E	28	81
9 8	18 34.80	−17 53.1	1.268	1.899	29.3	20.6	113 E	27	82
9 18	18 43.89	−18 52.8	1.328	1.863	31.4	20.7	105 E	26	83
9 28	18 56.43	−19 41.4	1.392	1.828	32.9	20.8	98 E	25	84
10 8	19 12.00	−20 16.7	1.458	1.796	33.8	20.9	92 E	25	82*
10 18	19 30.21	−20 36.3	1.524	1.766	34.3	21.0	86 E	24	78*
10 28	19 50.66	−20 38.3	1.591	1.739	34.4	21.0	81 E	24*	72*
11 7	20 12.93	−20 21.5	1.656	1.715	34.1	21.1	76 E	25*	67*
11 17	20 36.66	−19 44.8	1.721	1.694	33.6	21.1	72 E	25*	62*
11 27	21 1.50	−18 48.1	1.786	1.677	32.9	21.2	67 E	26*	56*
12 7	21 27.09	−17 31.9	1.850	1.664	32.0	21.2	64 E	27*	51*
12 17	21 53.19	−15 57.3	1.914	1.654	30.9	21.2	60 E	28*	46*
12 27	22 19.55	−14 6.0	1.978	1.649	29.7	21.3	56 E	29*	41*
1 6	22 45.99	−12 0.5	2.043	1.648	28.4	21.3	53 E	30*	37*
1 16	23 12.40	− 9 43.5	2.109	1.651	27.0	21.3	50 E	30*	33*

495829 1995 LG

5 21	19 22.60	−44 52.4	1.086	1.904	23.9	21.4	130 W	—	71
5 26	19 9.56	−45 14.9	1.034	1.901	21.5	21.2	136 W	—	71
5 31	18 53.72	−45 27.7	0.986	1.896	18.9	21.0	143 W	—	71
6 5	18 35.22	−45 25.4	0.946	1.889	16.0	20.8	149 W	—	71
6 10	18 14.52	−45 2.4	0.913	1.881	13.3	20.6	155 W	—	71
6 15	17 52.38	−44 14.3	0.888	1.871	11.4	20.5	159 W	1	72
6 20	17 29.85	−42 58.7	0.873	1.860	10.9	20.4	160 E	2	73

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
495829 1995 LG *(continuation)*									
6 22	17 20.98	−42 21.0	0.869	1.855	11.3	20.4	159 E	3	74
6 24	17 12.31	−41 39.3	0.867	1.849	11.9	20.4	158 E	3	74
6 26	17 3.88	−40 54.1	0.867	1.844	12.8	20.5	156 E	4	75
6 28	16 55.76	−40 5.6	0.868	1.838	13.9	20.5	154 E	5	76
6 30	16 47.99	−39 14.5	0.871	1.832	15.1	20.6	152 E	6	77
7 5	16 30.29	−36 58.0	0.884	1.815	18.5	20.7	145 E	8	79
7 10	16 15.26	−34 35.3	0.905	1.796	22.1	20.8	138 E	10	81
7 15	16 2.93	−32 13.2	0.932	1.776	25.4	21.0	131 E	13	84
7 20	15 53.16	−29 57.1	0.966	1.754	28.5	21.1	124 E	15*	86
7 25	15 45.70	−27 50.2	1.004	1.730	31.3	21.2	118 E	17*	88
7 30	15 40.29	−25 54.4	1.045	1.705	33.6	21.4	112 E	18*	90
8 4	15 36.64	−24 10.2	1.088	1.677	35.6	21.5	106 E	19*	88
478784 2012 UV_{136}									
5 21	19 23.39	+34 46.3	0.024	1.019	73.1	20.0	106 W	80	29
5 22	19 5.03	+32 59.2	0.025	1.021	68.6	20.0	110 W	78	31
5 23	18 48.71	+31 11.2	0.026	1.024	64.4	19.9	114 W	76	33
5 24	18 34.23	+29 24.6	0.028	1.026	60.5	19.9	118 W	74	35
5 25	18 21.40	+27 41.3	0.029	1.028	57.0	19.9	122 W	73	36
5 26	18 9.99	+26 2.1	0.030	1.031	53.8	19.9	125 W	71	38
5 27	17 59.85	+24 27.8	0.032	1.033	50.9	20.0	128 W	69	40
5 28	17 50.79	+22 58.6	0.033	1.035	48.2	20.0	130 W	68	41
5 29	17 42.68	+21 34.4	0.035	1.038	45.8	20.0	133 W	67	42
5 30	17 35.40	+20 15.1	0.036	1.040	43.7	20.1	135 W	65	44
5 31	17 28.84	+19 0.6	0.038	1.042	41.8	20.1	137 W	64	45
6 2	17 17.55	+16 44.4	0.042	1.046	38.5	20.2	140 W	62	47
6 4	17 8.22	+14 43.4	0.045	1.051	35.9	20.4	143 W	60	49
6 6	17 0.44	+12 55.2	0.049	1.055	34.0	20.5	144 W	58	51
6 8	16 53.88	+11 17.8	0.053	1.059	32.6	20.6	146 E	56	53
6 10	16 48.33	+ 9 49.4	0.057	1.064	31.7	20.8	147 E	55	54
6 12	16 43.61	+ 8 28.2	0.062	1.068	31.2	20.9	147 E	53	56
6 14	16 39.59	+ 7 13.3	0.066	1.072	31.0	21.1	147 E	52	57
6 16	16 36.20	+ 6 3.4	0.070	1.076	31.0	21.2	147 E	51	58
6 18	16 33.36	+ 4 58.0	0.075	1.079	31.3	21.4	146 E	50	59
6 20	16 31.01	+ 3 56.2	0.080	1.083	31.8	21.5	146 E	49	60
6 25	16 27.03	+ 1 35.0	0.092	1.092	33.5	21.9	144 E	47	62
6 30	16 25.37	− 0 31.3	0.105	1.101	35.6	22.3	141 E	44	65
7 5	16 25.58	− 2 25.6	0.119	1.108	37.9	22.6	138 E	43	66
7 10	16 27.30	− 4 10.2	0.134	1.115	40.1	23.0	135 E	41	68
366351 1999 TO_{11}									
5 21	19 28.35	−28 45.5	1.367	2.165	20.9	21.4	130 W	16	87
5 31	19 29.25	−29 25.0	1.249	2.126	18.0	21.1	140 W	16	87
6 10	19 26.53	−30 11.9	1.147	2.087	14.3	20.7	150 W	15	86
6 20	19 20.06	−31 2.2	1.064	2.047	9.9	20.3	160 W	14	85
6 25	19 15.52	−31 26.6	1.030	2.028	7.7	20.1	165 W	14	85
6 30	19 10.26	−31 49.1	1.002	2.008	5.8	20.0	169 W	13	84
7 5	19 4.47	−32 8.7	0.979	1.989	4.8	19.9	171 W	13	84
7 10	18 58.35	−32 24.4	0.962	1.970	5.7	19.8	169 E	13	84
7 15	18 52.14	−32 35.6	0.951	1.950	7.8	19.9	165 E	12	83
7 20	18 46.12	−32 41.8	0.945	1.931	10.4	20.0	160 E	12	83
7 25	18 40.56	−32 42.9	0.944	1.912	13.2	20.1	155 E	12	83
7 30	18 35.71	−32 39.2	0.948	1.893	15.9	20.1	149 E	12	83
8 4	18 31.78	−32 31.2	0.957	1.875	18.6	20.2	144 E	12	83
8 9	18 28.90	−32 19.6	0.970	1.856	21.1	20.3	139 E	13	84
8 14	18 27.16	−32 4.9	0.986	1.838	23.4	20.4	134 E	13	84
8 19	18 26.63	−31 47.8	1.005	1.821	25.6	20.5	129 E	13	84
8 29	18 29.25	−31 8.1	1.051	1.786	29.3	20.6	120 E	14	85
9 8	18 36.49	−30 22.8	1.103	1.753	32.2	20.8	112 E	15	86
9 18	18 47.84	−29 31.8	1.160	1.721	34.3	20.9	105 E	15	86
9 28	19 2.75	−28 33.6	1.220	1.692	35.8	21.0	99 E	16	87
10 8	19 20.59	−27 26.2	1.281	1.665	36.8	21.1	93 E	18	87*
10 18	19 40.80	−26 7.1	1.343	1.641	37.4	21.2	88 E	19	82*
10 28	20 2.88	−24 34.5	1.405	1.619	37.5	21.3	83 E	20	76*
11 7	20 26.36	−22 46.9	1.467	1.601	37.4	21.4	79 E	22	71*
11 17	20 50.84	−20 43.8	1.530	1.586	36.9	21.4	75 E	24	65*
11 27	21 16.01	−18 25.2	1.593	1.575	36.3	21.5	71 E	27*	59*
498062 2007 RU_{104}									
5 21	19 34.89	−30 24.2	1.370	2.156	21.4	21.5	129 W	15	86
5 31	19 35.66	−30 57.5	1.260	2.126	18.5	21.2	138 W	14	85
6 10	19 32.65	−31 35.6	1.165	2.097	14.8	20.9	148 W	13	84
6 20	19 25.79	−32 13.8	1.089	2.067	10.5	20.5	158 W	13	84
6 30	19 15.60	−32 44.9	1.033	2.037	6.4	20.2	167 W	12	83
7 5	19 9.63	−32 55.3	1.014	2.022	5.3	20.1	169 W	12	83
7 10	19 3.36	−33 1.2	1.001	2.008	5.7	20.1	169 E	12	83
7 15	18 57.05	−33 2.0	0.993	1.993	7.4	20.1	165 E	12	83

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
498062 2007 RU_{104} *(continuation)*									
7 20	18 50.95	−32 57.5	0.991	1.978	9.8	20.2	161 E	12	83
7 25	18 45.33	−32 47.8	0.994	1.964	12.4	20.3	155 E	12	83
7 30	18 40.43	−32 33.5	1.002	1.949	15.0	20.4	150 E	12	83
8 4	18 36.43	−32 15.3	1.015	1.935	17.5	20.5	145 E	13	84
8 9	18 33.46	−31 53.8	1.032	1.921	19.9	20.6	140 E	13	84
8 14	18 31.58	−31 29.8	1.053	1.907	22.1	20.7	135 E	14	85
8 19	18 30.86	−31 4.0	1.077	1.893	24.2	20.8	130 E	14	85
8 24	18 31.30	−30 36.9	1.104	1.880	26.0	20.9	125 E	14	85
8 29	18 32.87	−30 9.0	1.133	1.867	27.6	21.0	121 E	15	86
9 3	18 35.52	−29 40.3	1.164	1.853	29.0	21.0	117 E	15	86
9 8	18 39.18	−29 11.1	1.197	1.841	30.3	21.1	113 E	16	87
9 13	18 43.78	−28 41.2	1.231	1.828	31.3	21.2	109 E	16	87
9 18	18 49.27	−28 10.5	1.267	1.816	32.2	21.3	106 E	17	88
9 23	18 55.56	−27 38.9	1.303	1.804	32.9	21.3	102 E	17	88
9 28	19 2.60	−27 6.1	1.340	1.792	33.5	21.4	99 E	18	89
10 3	19 10.29	−26 31.9	1.377	1.781	34.0	21.5	96 E	18	89*
383165 2005 VJ_5									
5 21	19 48.63	−16 55.5	1.264	2.014	24.6	21.4	124 W	28*	81
5 31	19 45.83	−16 54.6	1.207	2.047	20.8	21.2	134 W	28	81
6 10	19 39.19	−17 6.5	1.163	2.080	16.1	21.0	145 W	28	81
6 20	19 29.20	−17 29.6	1.138	2.112	10.8	20.8	157 W	28	81
6 30	19 16.92	−18 0.6	1.135	2.143	5.1	20.6	169 W	27	82
7 10	19 3.94	−18 35.2	1.158	2.172	2.3	20.5	175 E	26	83
7 15	18 57.70	−18 52.6	1.178	2.187	4.5	20.7	170 E	26	83
7 20	18 51.90	−19 9.5	1.205	2.201	7.1	20.8	164 E	26	83
7 25	18 46.70	−19 25.7	1.238	2.215	9.7	21.0	158 E	26	83
7 30	18 42.23	−19 41.0	1.277	2.228	12.0	21.2	153 E	25	84
8 4	18 38.58	−19 55.4	1.321	2.242	14.2	21.4	147 E	25	84
18620 1998 DS_{10}									
5 21	20 3.22	−20 17.8	2.358	3.012	16.7	21.3	121 W	25*	84
5 31	20 1.34	−20 29.6	2.235	3.005	14.6	21.2	131 W	25	84
6 10	19 56.93	−20 49.1	2.129	2.996	12.0	20.9	142 W	24	85
6 20	19 50.08	−21 15.1	2.043	2.986	8.8	20.7	153 W	24	85
6 30	19 41.16	−21 45.5	1.981	2.975	5.1	20.5	165 W	23	86
7 5	19 36.13	−22 1.3	1.961	2.969	3.1	20.3	171 W	23	86
7 10	19 30.85	−22 17.0	1.947	2.963	1.0	20.2	177 W	23	86
7 15	19 25.45	−22 32.2	1.941	2.957	1.1	20.2	177 E	22	87
7 20	19 20.06	−22 46.5	1.942	2.950	3.1	20.3	171 E	22	87
7 25	19 14.81	−22 59.8	1.950	2.943	5.2	20.4	165 E	22	87
7 30	19 9.84	−23 11.7	1.966	2.936	7.1	20.5	159 E	22	87
8 4	19 5.25	−23 22.3	1.987	2.928	9.0	20.6	153 E	22	87
8 9	19 1.15	−23 31.4	2.015	2.921	10.8	20.7	147 E	21	88
8 14	18 57.61	−23 39.0	2.049	2.913	12.4	20.8	142 E	21	88
8 19	18 54.69	−23 45.4	2.088	2.905	13.9	20.9	136 E	21	88
8 24	18 52.44	−23 50.5	2.131	2.896	15.3	21.0	131 E	21	88
8 29	18 50.89	−23 54.4	2.178	2.887	16.5	21.1	126 E	21	88
9 3	18 50.03	−23 57.2	2.229	2.878	17.5	21.2	121 E	21	88
9 8	18 49.86	−23 59.1	2.283	2.869	18.4	21.2	116 E	21	88
9 13	18 50.37	−24 0.0	2.339	2.860	19.2	21.3	111 E	21	88
9 18	18 51.53	−23 59.9	2.397	2.850	19.8	21.4	106 E	21	88
9 23	18 53.32	−23 58.9	2.456	2.840	20.2	21.4	102 E	21	88
9 28	18 55.71	−23 56.9	2.516	2.830	20.5	21.5	98 E	21	88
380128 1997 WB_{21}									
5 21	20 5.49	−23 13.0	0.583	1.407	37.8	21.2	121 W	22*	87
5 26	20 16.17	−22 27.0	0.535	1.384	37.5	21.0	124 W	22*	86
5 31	20 26.92	−21 34.3	0.490	1.360	37.2	20.7	126 W	23*	86
6 5	20 37.83	−20 33.8	0.447	1.337	36.8	20.5	128 W	24*	85
6 10	20 49.00	−19 23.7	0.405	1.313	36.4	20.2	130 W	26	83
6 15	21 0.50	−18 2.3	0.366	1.289	36.0	19.9	132 W	27	82
6 20	21 12.49	−16 26.8	0.330	1.265	35.8	19.7	133 W	29	80
6 25	21 25.16	−14 33.9	0.295	1.242	35.7	19.4	135 W	30	79
6 30	21 38.79	−12 19.1	0.263	1.218	35.8	19.1	135 W	33	76
7 5	21 53.76	− 9 36.6	0.234	1.196	36.4	18.8	136 W	35	74
7 10	22 10.52	− 6 19.1	0.207	1.173	37.5	18.5	135 W	39	70
7 15	22 29.65	− 2 18.5	0.183	1.151	39.4	18.3	134 W	43	66
7 20	22 51.86	+ 2 33.3	0.162	1.131	42.3	18.1	132 W	48	61
7 25	23 18.06	+ 8 20.7	0.145	1.111	46.5	17.9	128 W	53	56
7 30	23 49.26	+14 58.9	0.133	1.092	51.9	17.8	122 W	60	49
8 1	0 3.35	+17 48.1	0.129	1.084	54.5	17.8	120 W	63	46
8 3	0 18.41	+20 39.7	0.126	1.077	57.2	17.8	117 W	66	43
8 5	0 34.45	+23 30.9	0.124	1.071	60.0	17.9	114 W	69	40
8 7	0 51.43	+26 18.4	0.122	1.064	62.8	17.9	111 W	71	38
8 9	1 9.29	+28 59.0	0.121	1.058	65.7	18.0	108 W	74	35
8 11	1 27.92	+31 29.3	0.121	1.052	68.5	18.0	105 W	76	33
8 13	1 47.16	+33 46.6	0.122	1.046	71.2	18.1	102 W	79	30
8 15	2 6.81	+35 48.8	0.124	1.040	73.8	18.2	100 W	81*	28
8 17	2 26.65	+37 34.6	0.126	1.035	76.1	18.3	97 W	82*	26

380128 1997 WB_{21} *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
8 19	2 46.44	+39 3.6	0.128	1.030	78.3	18.4	95 W	83*	25
8 21	3 5.94	+40 15.8	0.132	1.026	80.2	18.6	92 W	83*	24
8 23	3 24.95	+41 12.4	0.135	1.021	81.9	18.7	90 W	82*	23
8 25	3 43.30	+41 54.5	0.139	1.017	83.4	18.8	89 W	81*	22
8 27	4 0.86	+42 23.8	0.143	1.014	84.6	18.9	87 W	80*	22
8 29	4 17.55	+42 42.0	0.148	1.010	85.6	19.0	86 W	79*	21
8 31	4 33.32	+42 50.6	0.153	1.008	86.4	19.1	85 W	78*	21*
9 2	4 48.16	+42 51.4	0.158	1.005	87.0	19.2	84 W	77*	21*
9 4	5 2.09	+42 45.6	0.163	1.003	87.4	19.2	83 W	77*	21*
9 6	5 15.13	+42 34.5	0.168	1.001	87.6	19.3	83 W	76*	21*
9 8	5 27.34	+42 19.1	0.174	0.999	87.7	19.4	82 W	76*	21*
9 10	5 38.76	+42 0.3	0.179	0.998	87.7	19.4	82 W	75*	21*
9 12	5 49.45	+41 38.7	0.185	0.997	87.5	19.5	82 W	75*	21*
9 14	5 59.45	+41 15.1	0.190	0.997	87.2	19.6	82 W	75*	22*
9 16	6 8.82	+40 49.8	0.196	0.997	86.8	19.6	82 W	75*	22*
9 18	6 17.61	+40 23.2	0.201	0.997	86.4	19.6	82 W	75*	22*
9 23	6 37.31	+39 13.2	0.214	1.000	84.8	19.7	83 W	76*	23*
9 28	6 54.26	+38 0.8	0.227	1.005	82.8	19.8	84 W	77*	24*
10 3	7 8.94	+36 48.3	0.238	1.012	80.5	19.8	86 W	77*	25*
10 8	7 21.66	+35 37.1	0.249	1.021	77.9	19.8	88 W	78*	26*
10 13	7 32.57	+34 28.2	0.258	1.033	75.1	19.9	90 W	79*	28*
10 18	7 41.73	+33 22.5	0.266	1.046	72.0	19.8	93 W	78*	29*
10 28	7 54.87	+31 22.2	0.279	1.077	65.3	19.8	100 W	76	32*
11 7	8 0.97	+29 39.3	0.286	1.114	57.7	19.7	108 W	75	34*
11 17	7 59.17	+28 15.2	0.291	1.155	48.9	19.6	118 W	73	36
11 27	7 48.89	+27 6.9	0.295	1.200	38.7	19.4	130 W	72	37
12 2	7 40.73	+26 36.4	0.299	1.223	33.2	19.3	137 W	72	37
12 7	7 30.87	+26 6.8	0.305	1.246	27.4	19.2	144 W	71	38
12 12	7 19.68	+25 36.9	0.313	1.269	21.3	19.1	152 W	71	38
12 17	7 7.73	+25 6.0	0.324	1.293	15.3	19.1	160 W	70	39
12 22	6 55.72	+24 33.9	0.339	1.317	9.3	19.0	168 W	70	39
12 27	6 44.29	+24 1.2	0.358	1.341	3.5	18.8	175 W	69	40
1 1	6 33.97	+23 29.0	0.381	1.364	2.0	18.9	177 E	68	41
1 6	6 25.14	+22 58.5	0.409	1.388	6.9	19.4	170 E	68	41
1 11	6 17.99	+22 30.5	0.440	1.411	11.4	19.8	163 E	68	41
1 16	6 12.64	+22 5.9	0.476	1.434	15.5	20.1	157 E	67	42

251428 2008 BD_{16}

5 21	20 15.46	−15 55.0	1.710	2.356	22.4	21.4	118 W	29*	80
5 31	20 18.42	−15 39.4	1.575	2.324	20.6	21.1	126 W	29*	80
6 10	20 18.57	−15 34.8	1.451	2.292	18.0	20.8	136 W	29	80
6 20	20 15.66	−15 43.0	1.343	2.259	14.5	20.5	146 W	29	80
6 30	20 9.65	−16 5.0	1.254	2.225	10.3	20.2	157 W	29	80
7 10	20 0.95	−16 39.7	1.186	2.191	5.4	19.8	168 W	28	81
7 15	19 55.82	−17 0.8	1.161	2.174	2.9	19.6	174 W	28	81
7 20	19 50.37	−17 23.8	1.142	2.157	1.8	19.5	176 E	28	81
7 25	19 44.79	−17 48.0	1.130	2.140	3.8	19.6	172 E	27	82
7 30	19 39.28	−18 12.7	1.123	2.123	6.6	19.7	166 E	27	82
8 4	19 34.05	−18 37.3	1.123	2.106	9.4	19.8	160 E	26	83
8 9	19 29.27	−19 1.1	1.128	2.088	12.1	19.9	154 E	26	83
8 14	19 25.12	−19 23.9	1.138	2.071	14.8	20.0	149 E	26	83
8 19	19 21.73	−19 45.1	1.153	2.054	17.3	20.1	143 E	25	84
8 29	19 17.70	−20 22.1	1.196	2.019	21.7	20.3	132 E	25	84
9 8	19 17.60	−20 50.7	1.252	1.985	25.3	20.4	123 E	24	85
9 18	19 21.45	−21 10.1	1.317	1.951	28.1	20.6	114 E	24	85
9 28	19 29.01	−21 19.2	1.388	1.918	30.2	20.7	106 E	24	85
10 8	19 39.87	−21 17.1	1.461	1.885	31.6	20.8	98 E	24	85
10 18	19 53.58	−21 2.7	1.536	1.853	32.5	20.9	92 E	24	83*
10 28	20 9.74	−20 34.6	1.610	1.822	32.9	21.0	85 E	24	76*
11 7	20 27.91	−19 52.1	1.682	1.793	32.9	21.1	80 E	25	70*
11 17	20 47.73	−18 54.3	1.752	1.765	32.7	21.1	74 E	26	64*
11 27	21 8.91	−17 40.8	1.819	1.739	32.1	21.2	69 E	27*	57*
12 7	21 31.14	−16 11.7	1.882	1.714	31.4	21.2	65 E	29*	51*
12 17	21 54.20	−14 27.6	1.943	1.692	30.4	21.2	61 E	30*	46*
12 27	22 17.92	−12 29.4	2.001	1.672	29.3	21.2	56 E	31*	40*
1 6	22 42.12	−10 18.5	2.056	1.655	28.2	21.2	53 E	31*	35*
1 16	23 6.74	− 7 56.7	2.110	1.640	26.9	21.2	49 E	31*	31*

501956 2014 YC_{10}

5 21	20 26.75	−20 42.2	1.768	2.393	22.3	21.4	116 W	24*	85
5 31	20 27.46	−19 20.5	1.629	2.364	20.5	21.1	125 W	26*	83
6 10	20 24.94	−17 55.8	1.502	2.334	17.9	20.9	135 W	27	82
6 20	20 18.95	−16 28.1	1.392	2.303	14.4	20.5	146 W	29	80
6 30	20 9.56	−14 57.7	1.303	2.272	10.2	20.2	157 W	30	79
7 10	19 57.38	−13 25.6	1.238	2.240	5.8	19.9	167 W	32	77
7 15	19 50.55	−12 39.7	1.215	2.224	4.3	19.7	171 W	32	77
7 20	19 43.48	−11 54.6	1.199	2.208	4.3	19.7	171 E	33	76

501956 2014 YC_{10} *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
7 25	19 36.38	−11 10.7	1.190	2.191	6.0	19.8	167 E	34	75
7 30	19 29.46	−10 28.5	1.188	2.175	8.4	19.8	162 E	35	74
8 4	19 22.94	− 9 48.6	1.192	2.158	11.0	19.9	156 E	35	74
8 9	19 17.00	− 9 11.4	1.202	2.142	13.6	20.0	150 E	36	73
8 19	19 7.40	− 8 6.0	1.238	2.108	18.4	20.2	139 E	37	72
8 29	19 1.50	− 7 12.5	1.292	2.075	22.5	20.4	128 E	38	71
9 8	18 59.53	− 6 29.1	1.357	2.041	25.7	20.6	119 E	39	70
9 18	19 1.35	− 5 52.7	1.431	2.008	28.1	20.7	110 E	39	70
9 28	19 6.68	− 5 19.8	1.509	1.974	29.8	20.9	102 E	40	69
10 8	19 15.08	− 4 46.8	1.587	1.941	30.9	21.0	95 E	40	68*
10 18	19 26.17	− 4 10.7	1.664	1.908	31.5	21.1	88 E	41*	65*
10 28	19 39.62	− 3 28.6	1.739	1.876	31.6	21.1	82 E	41*	60*
11 7	19 55.08	− 2 38.6	1.809	1.845	31.5	21.2	76 E	42*	54*
11 17	20 12.31	− 1 38.9	1.874	1.815	31.0	21.2	71 E	43*	47*
11 27	20 31.10	− 0 28.2	1.934	1.785	30.4	21.2	66 E	43*	41*
12 7	20 51.23	+ 0 54.1	1.989	1.758	29.7	21.2	62 E	44*	35*
12 17	21 12.59	+ 2 28.2	2.039	1.731	28.8	21.2	58 E	44*	29*
12 27	21 35.05	+ 4 14.0	2.084	1.707	27.9	21.2	54 E	43*	23*
1 6	21 58.52	+ 6 10.5	2.126	1.685	26.8	21.2	51 E	42*	18*
1 16	22 22.95	+ 8 16.3	2.165	1.665	25.8	21.2	47 E	40*	14*

450154 2000 AM_{49}

5 21	20 27.80	−22 2.2	1.383	2.043	26.4	21.4	116 W	22*	86
5 31	20 31.15	−20 24.0	1.247	2.005	24.6	21.1	125 W	25*	84
6 10	20 30.88	−18 37.1	1.122	1.967	21.8	20.8	134 W	26	83
6 20	20 26.48	−16 40.2	1.011	1.928	18.1	20.4	144 W	28	81
6 30	20 17.65	−14 32.2	0.918	1.888	13.3	20.0	155 W	30	79
7 10	20 4.71	−12 14.0	0.846	1.847	8.2	19.5	165 W	33	76
7 15	19 57.00	−11 2.4	0.819	1.827	6.3	19.4	169 W	34	75
7 20	19 48.74	− 9 50.2	0.798	1.806	6.2	19.3	169 E	35	74
7 25	19 40.23	− 8 38.8	0.783	1.785	8.1	19.3	166 E	36	73
7 30	19 31.80	− 7 29.6	0.774	1.764	11.0	19.4	161 E	38	71
8 4	19 23.75	− 6 23.7	0.771	1.743	14.4	19.5	155 E	39	70
8 9	19 16.37	− 5 22.3	0.773	1.722	17.8	19.5	149 E	40	69
8 19	19 4.53	− 3 35.9	0.791	1.680	24.2	19.7	137 E	41	68
8 29	18 57.57	− 2 12.1	0.822	1.639	29.6	19.9	127 E	43	66
9 8	18 55.87	− 1 7.4	0.862	1.598	34.1	20.1	117 E	44	65
9 13	18 56.91	− 0 40.5	0.883	1.578	35.9	20.2	113 E	44	65
9 18	18 59.17	− 0 16.3	0.905	1.558	37.5	20.3	109 E	45	64
9 23	19 2.57	+ 0 6.2	0.928	1.538	39.0	20.3	106 E	45	64
9 28	19 7.06	+ 0 27.6	0.950	1.519	40.2	20.4	102 E	45	64
10 8	19 18.96	+ 1 10.2	0.993	1.482	42.1	20.5	96 E	46	63*
10 18	19 34.42	+ 1 55.7	1.033	1.447	43.5	20.6	91 E	47	60*
10 28	19 53.05	+ 2 48.1	1.069	1.415	44.5	20.6	87 E	48	57*
11 7	20 14.50	+ 3 50.0	1.102	1.386	45.2	20.6	83 E	49*	52*
11 17	20 38.53	+ 5 3.0	1.131	1.361	45.6	20.7	80 E	50*	48*
11 27	21 4.95	+ 6 27.9	1.157	1.340	45.8	20.7	77 E	51*	43*
12 7	21 33.54	+ 8 4.1	1.183	1.324	45.9	20.7	75 E	53*	39*
12 17	22 4.14	+ 9 49.9	1.209	1.313	45.7	20.7	73 E	54*	35*
12 27	22 36.53	+11 42.8	1.238	1.307	45.4	20.8	71 E	55*	31*
1 6	23 10.46	+13 38.5	1.270	1.307	44.8	20.8	70 E	56*	28*
1 16	23 45.66	+15 32.5	1.309	1.313	44.1	20.9	68 E	57*	26*

506782 2007 AN_{10}

5 21	20 28.18	−16 40.3	1.594	2.218	24.5	21.3	115 W	28*	81
5 31	20 34.40	−17 51.0	1.451	2.179	22.9	21.0	123 W	27*	82
6 10	20 38.21	−19 30.2	1.320	2.140	20.5	20.7	132 W	25	84
6 20	20 39.16	−21 42.5	1.203	2.101	17.3	20.3	142 W	23	86
6 30	20 36.83	−24 29.5	1.105	2.061	13.2	20.0	153 W	21	88
7 5	20 34.38	−26 4.8	1.065	2.042	10.9	19.8	158 W	19	90
7 10	20 31.08	−27 46.4	1.030	2.022	8.7	19.6	162 W	17	88
7 15	20 26.97	−29 32.6	1.001	2.003	6.9	19.4	166 W	15	86
7 20	20 22.14	−31 20.9	0.978	1.984	6.1	19.3	168 W	14	85
7 25	20 16.76	−33 8.7	0.962	1.964	6.9	19.3	167 E	12	83
7 30	20 11.02	−34 53.3	0.953	1.945	9.0	19.3	163 E	10	81
8 4	20 5.16	−36 32.0	0.949	1.927	11.6	19.4	158 E	8	79
8 9	19 59.46	−38 2.8	0.952	1.908	14.4	19.5	152 E	7	78
8 14	19 54.18	−39 24.2	0.960	1.889	17.2	19.6	147 E	6	77
8 19	19 49.59	−40 35.2	0.972	1.871	19.8	19.7	141 E	4	75
8 24	19 45.95	−41 35.6	0.989	1.853	22.3	19.8	136 E	3	74
8 29	19 43.44	−42 25.7	1.009	1.835	24.6	19.9	131 E	3	74
9 3	19 42.18	−43 5.9	1.032	1.818	26.7	20.0	126 E	2	73
9 8	19 42.25	−43 37.1	1.058	1.801	28.5	20.1	121 E	1	72
9 13	19 43.67	−43 59.9	1.085	1.785	30.1	20.1	117 E	1	72
9 18	19 46.45	−44 15.0	1.114	1.768	31.5	20.2	113 E	1	72
9 23	19 50.55	−44 22.8	1.144	1.753	32.7	20.3	109 E	1	72
9 28	19 55.90	−44 23.8	1.174	1.737	33.7	20.4	106 E	1	72
10 3	20 2.40	−44 18.4	1.205	1.723	34.6	20.4	102 E	1	72

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
506782 2007 AN_{10} *(continuation)*									
10 8	20 9.97	−44 6.7	1.236	1.709	35.3	20.5	99 E	1	72
10 13	20 18.50	−43 48.6	1.267	1.695	35.8	20.5	96 E	1	72
10 18	20 27.90	−43 24.3	1.298	1.682	36.2	20.6	93 E	2	73
10 23	20 38.08	−42 53.6	1.328	1.670	36.6	20.6	91 E	2	73*
10 28	20 48.91	−42 16.6	1.358	1.658	36.8	20.7	88 E	3	73*
11 2	21 0.31	−41 33.2	1.388	1.647	36.9	20.7	86 E	3	74*
11 7	21 12.17	−40 43.3	1.417	1.637	37.0	20.7	84 E	4	73*
11 12	21 24.42	−39 47.0	1.445	1.628	37.0	20.8	82 E	5	73*
11 17	21 36.97	−38 44.2	1.474	1.620	36.9	20.8	80 E	6	72*
11 22	21 49.75	−37 35.1	1.502	1.612	36.8	20.8	78 E	7	71*
11 27	22 2.70	−36 19.8	1.529	1.605	36.6	20.8	76 E	9	70*
12 2	22 15.76	−34 58.6	1.557	1.600	36.4	20.9	74 E	10	68*
12 7	22 28.87	−33 31.6	1.584	1.595	36.1	20.9	73 E	11	66*
12 12	22 41.99	−31 59.3	1.612	1.591	35.8	20.9	71 E	13	65*
12 17	22 55.11	−30 21.8	1.639	1.588	35.5	20.9	69 E	15	63*
12 22	23 8.20	−28 39.8	1.667	1.586	35.1	21.0	68 E	16	61*
12 27	23 21.22	−26 53.7	1.695	1.585	34.7	21.0	66 E	18	59*
1 1	23 34.17	−25 3.9	1.724	1.585	34.2	21.0	65 E	20*	56*
1 6	23 47.03	−23 11.0	1.754	1.585	33.8	21.0	64 E	22*	54*
1 11	23 59.82	−21 15.5	1.784	1.587	33.3	21.1	62 E	23*	52*
1 16	0 12.52	−19 17.9	1.815	1.590	32.7	21.1	61 E	25*	50*
357152 2002 CO_{15}									
5 21	20 29.14	+18 50.8	1.769	2.209	26.7	21.5	102 W	62*	45
5 26	20 31.46	+19 49.2	1.708	2.193	26.6	21.4	105 W	64*	44
5 31	20 33.15	+20 45.3	1.647	2.177	26.4	21.3	107 W	65*	43
6 5	20 34.20	+21 38.5	1.588	2.161	26.1	21.2	110 W	67*	42
6 10	20 34.55	+22 27.8	1.530	2.144	25.8	21.1	113 W	67	42
6 15	20 34.17	+23 12.2	1.474	2.127	25.4	20.9	116 W	68	41
6 20	20 33.01	+23 50.5	1.420	2.110	24.9	20.8	119 W	69	40
6 25	20 31.06	+24 21.2	1.367	2.093	24.3	20.7	122 W	69	40
6 30	20 28.34	+24 43.0	1.318	2.075	23.7	20.6	125 W	70	39
7 5	20 24.85	+24 54.2	1.271	2.057	23.0	20.5	128 W	70	39
7 10	20 20.67	+24 53.4	1.227	2.039	22.3	20.4	130 W	70	39
7 15	20 15.86	+24 39.1	1.187	2.021	21.6	20.3	133 W	70	39
7 20	20 10.53	+24 9.8	1.150	2.003	21.0	20.1	135 W	69	40
7 25	20 4.87	+23 24.3	1.118	1.984	20.5	20.0	137 E	68	41
7 30	19 59.04	+22 22.0	1.089	1.965	20.2	20.0	138 E	67	42
8 4	19 53.27	+21 3.0	1.066	1.946	20.2	19.9	139 E	66	43
8 9	19 47.76	+19 27.9	1.047	1.927	20.4	19.8	139 E	64	45
8 14	19 42.69	+17 37.9	1.033	1.908	21.0	19.8	138 E	63	46
8 19	19 38.27	+15 34.7	1.024	1.888	21.8	19.8	136 E	61	48
8 24	19 34.66	+13 20.7	1.020	1.869	22.9	19.8	134 E	58	51
8 29	19 31.98	+10 58.8	1.021	1.849	24.3	19.8	131 E	56	53
9 3	19 30.31	+ 8 31.9	1.027	1.830	25.7	19.8	128 E	54	55
9 8	19 29.69	+ 6 2.7	1.037	1.810	27.3	19.9	125 E	51	58
9 13	19 30.15	+ 3 33.8	1.051	1.790	28.8	19.9	121 E	49	60
9 18	19 31.69	+ 1 7.4	1.069	1.771	30.3	20.0	117 E	46	63
9 23	19 34.30	− 1 14.5	1.090	1.751	31.7	20.1	113 E	44	65
9 28	19 37.94	− 3 30.4	1.114	1.731	33.0	20.1	110 E	41	68
10 3	19 42.56	− 5 39.2	1.141	1.712	34.2	20.2	106 E	39	70
10 8	19 48.10	− 7 40.1	1.169	1.693	35.2	20.2	102 E	37	72
10 18	20 1.77	−11 16.4	1.231	1.654	36.8	20.3	95 E	34	75*
10 28	20 18.55	−14 17.0	1.296	1.617	37.9	20.4	89 E	31	74*
11 7	20 38.00	−16 42.0	1.362	1.581	38.5	20.5	83 E	28	71*
11 17	20 59.73	−18 32.4	1.427	1.546	38.6	20.6	77 E	26	66*
11 27	21 23.40	−19 49.7	1.490	1.514	38.3	20.6	72 E	25	61*
12 7	21 48.66	−20 35.7	1.548	1.484	37.8	20.6	68 E	24*	57*
12 17	22 15.22	−20 52.1	1.602	1.457	37.1	20.6	63 E	24*	52*
12 27	22 42.85	−20 40.8	1.651	1.433	36.3	20.6	60 E	24*	49*
1 6	23 11.29	−20 3.9	1.695	1.412	35.4	20.6	56 E	24*	45*
1 16	23 40.41	−19 3.4	1.733	1.396	34.6	20.6	54 E	23*	43*
438897 2009 *WN*									
5 21	20 33.87	+ 7 6.9	1.044	1.638	36.5	21.5	106 W	51*	57
5 26	20 34.20	+ 9 58.1	1.013	1.645	35.7	21.4	109 W	54*	54
5 31	20 33.44	+12 51.5	0.985	1.651	34.9	21.3	111 W	58*	51
6 5	20 31.52	+15 45.5	0.959	1.657	33.9	21.2	114 W	61	48
6 10	20 28.37	+18 37.8	0.937	1.663	33.0	21.1	117 W	64	45
6 15	20 23.94	+21 26.0	0.918	1.668	32.2	21.1	119 W	66	43
6 20	20 18.21	+24 6.9	0.903	1.672	31.4	21.0	121 W	69	40
6 25	20 11.19	+26 37.2	0.891	1.676	30.7	21.0	123 W	72	37
6 30	20 3.00	+28 53.5	0.884	1.679	30.2	21.0	124 W	74	35
7 5	19 53.80	+30 53.0	0.881	1.681	29.8	20.9	125 W	76	33
7 10	19 43.83	+32 33.0	0.881	1.683	29.7	20.9	125 W	78	31
7 15	19 33.39	+33 52.0	0.885	1.685	29.8	21.0	125 E	79	30
7 20	19 22.83	+34 48.8	0.893	1.686	30.0	21.0	124 E	80	29
7 25	19 12.55	+35 23.6	0.903	1.686	30.4	21.0	123 E	80	29
7 30	19 2.90	+35 37.7	0.917	1.686	30.9	21.1	121 E	81	28
8 4	18 54.20	+35 33.1	0.933	1.685	31.5	21.1	120 E	81	28
8 9	18 46.65	+35 12.2	0.951	1.683	32.2	21.2	118 E	80	29

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
438897 2009 *WN* *(continuation)*									
8 14	18 40.42	+34 37.4	0.971	1.681	32.8	21.2	116 E	80	29
8 19	18 35.58	+33 51.3	0.993	1.679	33.5	21.3	114 E	79	30
8 24	18 32.18	+32 56.4	1.015	1.676	34.1	21.4	112 E	78	31
8 29	18 30.19	+31 55.0	1.039	1.672	34.7	21.4	109 E	77	32
9 3	18 29.54	+30 49.1	1.063	1.667	35.3	21.5	107 E	76	33
431714 2008 ED_{131}									
5 21	20 38.03	−14 26.3	1.887	2.452	22.5	21.4	112 W	29*	78
5 31	20 42.14	−14 11.8	1.743	2.421	21.2	21.2	120 W	31*	78
6 10	20 43.76	−14 9.1	1.609	2.389	19.1	20.9	130 W	31	78
6 20	20 42.58	−14 20.6	1.489	2.356	16.3	20.6	139 W	31	78
6 30	20 38.44	−14 48.1	1.385	2.323	12.6	20.3	150 W	30	79
7 10	20 31.47	−15 31.2	1.302	2.289	8.2	19.9	161 W	29	80
7 20	20 22.15	−16 27.4	1.243	2.254	3.2	19.6	173 W	29	80
7 25	20 16.91	−16 58.9	1.222	2.237	1.2	19.4	177 E	28	81
7 30	20 11.49	−17 31.7	1.208	2.220	2.9	19.4	174 E	27	82
8 4	20 6.09	−18 4.9	1.200	2.202	5.6	19.6	168 E	27	82
8 9	20 0.88	−18 37.6	1.199	2.185	8.3	19.7	162 E	26	83
8 14	19 56.06	−19 9.2	1.203	2.167	11.0	19.8	156 E	26	83
8 19	19 51.78	−19 39.0	1.213	2.149	13.6	19.9	150 E	25	84
8 24	19 48.21	−20 6.5	1.228	2.132	16.1	20.0	144 E	25	84
8 29	19 45.45	−20 31.5	1.247	2.114	18.4	20.1	139 E	24	85
9 8	19 42.65	−21 12.6	1.298	2.079	22.4	20.2	128 E	24	85
9 18	19 43.67	−21 41.6	1.361	2.043	25.6	20.4	119 E	23	86
9 28	19 48.45	−21 57.9	1.431	2.008	28.0	20.5	110 E	23	86
10 8	19 56.67	−22 1.4	1.507	1.973	29.7	20.7	102 E	23	86
10 18	20 7.93	−21 51.6	1.584	1.939	30.8	20.8	95 E	23	85*
10 28	20 21.83	−21 27.8	1.661	1.905	31.4	20.8	88 E	24	79*
11 7	20 37.94	−20 49.7	1.737	1.872	31.6	20.9	82 E	24	73*
11 17	20 55.89	−19 56.7	1.810	1.840	31.4	21.0	76 E	25	66*
11 27	21 15.36	−18 48.6	1.879	1.809	31.0	21.0	71 E	26*	59*
12 7	21 36.05	−17 25.3	1.944	1.780	30.3	21.0	66 E	27*	53*
12 17	21 57.72	−15 47.4	2.006	1.753	29.4	21.0	61 E	29*	47*
12 27	22 20.20	−13 55.5	2.063	1.727	28.3	21.0	56 E	29*	41*
1 6	22 43.31	−11 50.7	2.116	1.703	27.2	21.0	52 E	30*	36*
1 16	23 6.96	− 9 34.6	2.166	1.682	25.9	21.0	48 E	30*	32*
222165 2000 AX_{93}									
5 21	20 42.43	−24 50.3	1.502	2.120	26.0	21.4	114 W	19*	89
5 31	20 38.21	−23 50.7	1.444	2.177	22.8	21.3	124 W	21*	88
6 10	20 30.01	−22 55.8	1.396	2.233	18.8	21.1	135 W	22	87
6 20	20 18.18	−22 3.5	1.366	2.287	14.0	21.0	147 W	23	86
6 30	20 3.62	−21 11.6	1.359	2.340	8.6	20.8	160 W	24	85
7 10	19 47.80	−20 18.9	1.379	2.391	3.1	20.6	173 W	25	84
7 20	19 32.36	−19 25.9	1.428	2.441	2.6	20.7	174 E	26	83
7 30	19 18.82	−18 34.8	1.506	2.489	7.5	21.1	161 E	26	83
8 9	19 8.22	−17 47.6	1.610	2.536	11.8	21.5	149 E	27	82
386621 2009 RL_{59}									
5 21	20 58.21	−17 26.9	1.545	2.094	27.3	21.4	108 W	25*	81
5 31	21 8.26	−16 48.4	1.410	2.058	26.5	21.1	115 W	27*	81
6 10	21 16.23	−16 18.1	1.284	2.023	24.9	20.8	123 W	28*	80
6 20	21 21.72	−15 58.9	1.167	1.988	22.7	20.5	131 W	29	80
6 30	21 24.32	−15 53.4	1.063	1.954	19.6	20.2	140 W	29	80
7 10	21 23.76	−16 3.3	0.973	1.921	15.5	19.8	150 W	29	80
7 20	21 19.97	−16 28.3	0.901	1.888	10.5	19.4	160 W	29	80
7 25	21 16.95	−16 45.7	0.872	1.873	7.7	19.2	166 W	28	81
7 30	21 13.34	−17 5.4	0.847	1.857	4.7	19.0	171 W	28	81
8 4	21 9.28	−17 26.5	0.829	1.843	1.6	18.7	177 W	28	81
8 9	21 4.95	−17 48.0	0.815	1.828	1.8	18.7	177 E	27	82
8 14	21 0.56	−18 8.9	0.807	1.814	5.1	18.9	171 E	27	82
8 19	20 56.34	−18 28.2	0.803	1.800	8.3	19.0	165 E	27	82
8 24	20 52.53	−18 45.0	0.805	1.787	11.5	19.1	159 E	26	83
8 29	20 49.35	−18 58.4	0.812	1.774	14.6	19.2	154 E	26	83
9 3	20 46.97	−19 8.1	0.822	1.762	17.5	19.3	148 E	26	83
9 8	20 45.52	−19 13.6	0.837	1.751	20.2	19.4	143 E	26	83
9 18	20 45.68	−19 11.5	0.877	1.729	25.0	19.7	133 E	26	83
9 28	20 50.12	−18 51.6	0.928	1.710	28.8	19.9	125 E	26	83
10 8	20 58.56	−18 14.1	0.988	1.694	31.7	20.1	117 E	27	82
10 18	21 10.48	−17 19.5	1.054	1.681	33.8	20.3	110 E	28	81
10 28	21 25.31	−16 8.1	1.126	1.671	35.3	20.4	104 E	29	80
11 7	21 42.42	−14 40.6	1.202	1.664	36.1	20.6	98 E	30	79*
11 17	22 1.31	−12 58.1	1.282	1.660	36.5	20.7	93 E	32	74*
11 27	22 21.54	−11 1.8	1.365	1.660	36.5	20.9	88 E	34	69*
12 7	22 42.74	− 8 53.6	1.451	1.663	36.1	21.0	84 E	36	63*
12 17	23 4.64	− 6 35.6	1.539	1.669	35.4	21.1	79 E	38	57*
12 27	23 27.06	− 4 10.0	1.631	1.679	34.5	21.2	75 E	41	51*
1 6	23 49.83	− 1 39.3	1.724	1.691	33.4	21.3	71 E	43*	46*
1 16	0 12.86	+ 0 53.9	1.821	1.707	32.2	21.4	68 E	45*	41*

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
415913 2001 UQ_{63}									
5 21	20 58.28	−19 10.2	1.233	1.828	31.7	21.3	109 W	24*	83
5 31	21 11.51	−18 16.1	1.125	1.804	30.6	21.1	115 W	25*	82
6 10	21 22.49	−17 27.8	1.024	1.781	29.0	20.8	122 W	27*	81
6 20	21 30.74	−16 48.5	0.932	1.760	26.6	20.5	129 W	28*	81
6 30	21 35.79	−16 21.2	0.850	1.741	23.3	20.2	137 W	29	80
7 10	21 37.30	−16 7.7	0.781	1.723	19.0	19.8	147 W	29	80
7 20	21 35.10	−16 8.3	0.726	1.707	13.7	19.5	157 W	29	80
7 30	21 29.57	−16 20.3	0.687	1.693	7.5	19.1	167 W	29	80
8 4	21 25.90	−16 28.7	0.675	1.686	4.2	18.9	173 W	29	80
8 9	21 21.87	−16 37.6	0.667	1.681	0.9	18.6	178 W	28	81
8 14	21 17.70	−16 45.9	0.664	1.676	2.9	18.7	175 E	28	81
8 19	21 13.67	−16 52.8	0.666	1.671	6.3	18.9	169 E	28	81
8 24	21 10.02	−16 57.4	0.673	1.668	9.7	19.1	164 E	28	81
8 29	21 6.99	−16 59.0	0.684	1.664	13.0	19.2	158 E	28	81
9 3	21 4.76	−16 57.3	0.699	1.662	16.0	19.4	153 E	28	81
9 8	21 3.45	−16 52.0	0.718	1.660	18.8	19.5	148 E	28	81
9 18	21 3.86	−16 30.4	0.767	1.658	23.8	19.8	138 E	28	81
9 28	21 8.41	−15 53.6	0.828	1.658	27.7	20.1	130 E	29	80
10 8	21 16.73	−15 2.4	0.899	1.661	30.6	20.4	122 E	30	79
10 18	21 28.21	−13 57.4	0.978	1.667	32.8	20.6	115 E	31	78
10 28	21 42.27	−12 39.1	1.065	1.675	34.2	20.9	109 E	32	77
11 7	21 58.30	−11 8.6	1.157	1.685	35.0	21.1	103 E	34	75
11 17	22 15.81	− 9 26.9	1.255	1.698	35.3	21.3	98 E	36	73*
11 27	22 34.43	− 7 35.4	1.357	1.712	35.1	21.5	92 E	37	68*
259691 2003 YV_2									
5 21	21 3.16	−40 52.5	2.283	2.823	19.4	21.4	112 W	2*	75
5 26	21 4.65	−41 38.7	2.240	2.837	18.7	21.4	116 W	2*	74
5 31	21 5.37	−42 27.6	2.200	2.850	17.9	21.3	120 W	2*	74
6 5	21 5.27	−43 18.7	2.163	2.863	17.0	21.3	125 W	1*	73
6 10	21 4.33	−44 11.3	2.130	2.876	16.0	21.2	129 W	1*	72
6 15	21 2.50	−45 4.8	2.101	2.889	15.0	21.1	133 W	—	71
6 20	20 59.78	−45 58.1	2.077	2.901	13.9	21.1	137 W	—	70
6 25	20 56.16	−46 50.1	2.058	2.913	12.9	21.0	140 W	—	69
6 30	20 51.69	−47 39.6	2.044	2.925	11.9	21.0	144 W	—	68
7 5	20 46.45	−48 25.4	2.036	2.937	11.0	21.0	146 W	—	68
7 10	20 40.54	−49 6.3	2.033	2.949	10.4	21.0	149 W	—	67
7 15	20 34.08	−49 41.3	2.037	2.960	10.0	20.9	150 W	—	66
7 20	20 27.25	−50 9.4	2.047	2.971	9.9	21.0	150 W	—	66
7 25	20 20.25	−50 29.9	2.064	2.982	10.1	21.0	149 W	—	66
7 30	20 13.29	−50 42.8	2.087	2.993	10.5	21.0	147 E	—	65
8 4	20 6.58	−50 47.9	2.115	3.003	11.2	21.1	145 E	—	65
8 9	20 0.31	−50 45.6	2.150	3.013	12.0	21.2	142 E	—	65
8 14	19 54.62	−50 36.6	2.189	3.023	12.8	21.3	138 E	—	65
8 19	19 49.65	−50 21.4	2.234	3.033	13.7	21.3	135 E	—	66
8 24	19 45.50	−50 0.9	2.284	3.042	14.6	21.4	131 E	—	66
469640 2004 TC_{19}									
5 21	21 3.40	−15 38.7	1.480	2.015	28.8	21.4	106 W	27*	80
5 31	21 13.23	−13 23.2	1.345	1.976	28.2	21.2	113 W	30*	77
6 10	21 20.80	−10 57.6	1.218	1.938	27.0	20.9	120 W	34*	75
6 20	21 25.70	− 8 22.5	1.103	1.901	25.1	20.6	127 W	37	72
6 30	21 27.50	− 5 39.4	1.000	1.865	22.6	20.2	135 W	39	70
7 10	21 25.92	− 2 51.3	0.911	1.831	19.4	19.9	143 W	42	67
7 15	21 23.81	− 1 27.0	0.873	1.814	17.6	19.7	147 W	44	65
7 20	21 20.86	− 0 4.0	0.840	1.798	15.8	19.6	151 W	45	64
7 25	21 17.13	+ 1 16.6	0.811	1.783	14.2	19.4	155 W	46	63
7 30	21 12.74	+ 2 33.3	0.788	1.768	12.8	19.3	157 W	48	61
8 4	21 7.87	+ 3 45.0	0.769	1.754	12.1	19.2	159 W	49	60
8 9	21 2.69	+ 4 50.3	0.755	1.740	12.0	19.1	159 E	50	59
8 14	20 57.43	+ 5 48.0	0.746	1.727	12.8	19.1	158 E	51	58
8 19	20 52.34	+ 6 37.2	0.742	1.715	14.3	19.1	155 E	52	57
8 29	20 43.66	+ 7 49.8	0.748	1.693	18.3	19.3	148 E	53	56
9 8	20 38.31	+ 8 31.0	0.769	1.674	22.6	19.4	140 E	54	55
9 18	20 37.23	+ 8 48.0	0.804	1.658	26.5	19.6	133 E	54	55
9 23	20 38.43	+ 8 50.5	0.825	1.651	28.2	19.7	129 E	54	55
9 28	20 40.77	+ 8 50.7	0.848	1.646	29.7	19.8	125 E	54	55
10 3	20 44.21	+ 8 49.6	0.874	1.641	31.1	19.9	122 E	54	55
10 8	20 48.68	+ 8 48.1	0.901	1.638	32.3	20.0	119 E	54	55
10 13	20 54.13	+ 8 47.0	0.930	1.635	33.3	20.1	116 E	54	55
10 18	21 0.48	+ 8 47.0	0.960	1.633	34.1	20.2	113 E	54	55
10 23	21 7.67	+ 8 48.7	0.992	1.632	34.8	20.3	110 E	54	55
10 28	21 15.62	+ 8 52.7	1.026	1.633	35.4	20.4	108 E	54	55
11 7	21 33.47	+ 9 8.4	1.096	1.636	36.2	20.5	103 E	54	55*
11 17	21 53.48	+ 9 35.4	1.173	1.643	36.5	20.7	99 E	55	53*
11 27	22 15.19	+10 14.4	1.254	1.655	36.5	20.9	94 E	55	50*
12 7	22 38.14	+11 4.7	1.341	1.669	36.2	21.0	90 E	56	46*
12 17	23 1.99	+12 4.9	1.433	1.688	35.6	21.2	86 E	57	43*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
469640 2004 TC_{19} *(continuation)*									
12 27	23 26.47	+13 13.3	1.531	1.709	34.8	21.3	83 E	58	39*
1 6	23 51.33	+14 27.7	1.634	1.733	33.8	21.5	79 E	59*	35*
383518 2007 CO_{47}									
5 21	21 3.47	− 5 37.6	1.914	2.362	24.7	21.3	103 W	36*	70
5 31	21 10.55	− 5 34.5	1.761	2.326	24.0	21.1	111 W	38*	70
6 10	21 15.69	− 5 49.7	1.615	2.290	22.7	20.8	119 W	39*	70
6 20	21 18.55	− 6 28.5	1.478	2.253	20.7	20.5	128 W	39	70
6 30	21 18.81	− 7 36.5	1.353	2.217	17.8	20.2	138 W	37	72
7 10	21 16.26	− 9 18.4	1.245	2.179	14.0	19.9	149 W	36	73
7 20	21 10.85	−11 35.8	1.158	2.142	9.2	19.5	160 W	33	76
7 25	21 7.17	−12 57.0	1.123	2.123	6.4	19.3	166 W	32	77
7 30	21 2.96	−14 25.2	1.094	2.105	3.5	19.0	173 W	31	78
8 4	20 58.35	−15 58.6	1.072	2.086	0.6	18.8	179 W	29	80
8 9	20 53.50	−17 35.5	1.056	2.068	2.8	18.9	174 E	27	82
8 14	20 48.57	−19 13.5	1.048	2.049	6.0	19.0	168 E	26	83
8 19	20 43.77	−20 50.5	1.046	2.031	9.1	19.1	161 E	24	85
8 24	20 39.32	−22 24.2	1.050	2.012	12.2	19.3	155 E	23	86
8 29	20 35.43	−23 52.8	1.060	1.994	15.1	19.4	149 E	21	88
9 3	20 32.25	−25 15.1	1.075	1.976	17.9	19.5	143 E	20	89
9 8	20 29.91	−26 29.9	1.095	1.958	20.4	19.6	137 E	19	90
9 13	20 28.53	−27 36.7	1.119	1.940	22.7	19.7	132 E	17	88
9 18	20 28.18	−28 35.4	1.146	1.923	24.8	19.8	127 E	16	87
9 28	20 30.69	−30 8.4	1.209	1.888	28.2	19.9	117 E	15	86
10 8	20 37.38	−31 10.7	1.279	1.855	30.7	20.1	108 E	14	85
10 18	20 47.91	−31 44.5	1.353	1.823	32.5	20.2	101 E	13	84
10 23	20 54.48	−31 51.4	1.390	1.807	33.1	20.3	97 E	13	84
10 28	21 1.82	−31 51.9	1.427	1.792	33.6	20.3	94 E	13	84*
11 2	21 9.87	−31 46.1	1.464	1.778	33.9	20.4	91 E	13	83*
11 7	21 18.55	−31 34.4	1.501	1.763	34.2	20.4	88 E	13	81*
11 12	21 27.80	−31 16.6	1.537	1.750	34.3	20.5	85 E	14	79*
11 17	21 37.58	−30 53.1	1.572	1.737	34.3	20.5	82 E	14	76*
11 22	21 47.81	−30 23.8	1.607	1.724	34.3	20.5	79 E	15	73*
11 27	21 58.45	−29 48.9	1.640	1.712	34.2	20.6	77 E	15	71*
12 2	22 9.42	−29 8.7	1.673	1.701	34.0	20.6	75 E	16	68*
12 7	22 20.69	−28 23.1	1.705	1.690	33.7	20.6	72 E	17	65*
12 12	22 32.23	−27 32.4	1.736	1.680	33.5	20.6	70 E	17	63*
12 17	22 43.98	−26 36.7	1.766	1.671	33.1	20.6	68 E	18	60*
12 22	22 55.93	−25 36.2	1.796	1.662	32.8	20.7	66 E	19*	58*
12 27	23 8.03	−24 31.2	1.824	1.654	32.4	20.7	64 E	20*	55*
1 1	23 20.25	−23 22.0	1.852	1.647	32.0	20.7	62 E	21*	53*
1 6	23 32.58	−22 8.8	1.880	1.641	31.5	20.7	61 E	22*	51*
1 11	23 45.01	−20 51.9	1.907	1.635	31.0	20.7	59 E	23*	49*
1 16	23 57.51	−19 31.7	1.934	1.631	30.6	20.7	57 E	24*	47*
513343 2007 RN_{36}									
5 21	21 10.35	−11 57.7	1.288	1.817	32.8	21.4	104 W	30*	76
5 31	21 24.85	−10 32.7	1.177	1.791	32.3	21.2	109 W	32*	75
6 10	21 37.58	− 9 12.2	1.073	1.767	31.2	20.9	116 W	35*	73
6 20	21 48.18	− 8 0.2	0.977	1.745	29.5	20.6	122 W	37*	72
6 30	21 56.23	− 7 1.5	0.890	1.725	27.1	20.3	129 W	38	71
7 10	22 1.37	− 6 20.9	0.812	1.706	23.8	20.0	137 W	39	70
7 20	22 3.25	− 6 3.4	0.747	1.690	19.5	19.7	146 W	39	70
7 30	22 1.83	− 6 12.6	0.696	1.676	14.2	19.3	156 W	39	70
8 9	21 57.61	− 6 48.1	0.661	1.664	8.2	19.0	166 W	38	71
8 14	21 54.75	− 7 14.5	0.651	1.659	5.2	18.8	171 W	38	71
8 19	21 51.63	− 7 45.3	0.644	1.655	3.1	18.7	175 E	37	72
8 24	21 48.48	− 8 19.0	0.643	1.651	4.0	18.7	174 E	37	72
8 29	21 45.54	− 8 54.0	0.646	1.648	6.8	18.8	169 E	36	73
9 3	21 43.04	− 9 28.6	0.654	1.646	9.9	19.0	164 E	36	73
9 8	21 41.14	−10 1.3	0.666	1.645	13.0	19.2	158 E	35	74
9 13	21 40.00	−10 30.9	0.682	1.644	16.0	19.3	153 E	34	75
9 18	21 39.74	−10 56.3	0.702	1.644	18.8	19.5	148 E	34	75
9 28	21 42.09	−11 31.4	0.753	1.645	23.6	19.8	139 E	33	76
10 8	21 48.23	−11 43.1	0.817	1.650	27.5	20.1	130 E	33	76
10 18	21 57.76	−11 31.1	0.891	1.657	30.4	20.4	123 E	33	76
10 28	22 10.19	−10 56.4	0.974	1.667	32.4	20.6	116 E	34	75
11 7	22 24.88	−10 1.3	1.064	1.680	33.8	20.9	110 E	35	74
11 17	22 41.29	− 8 48.4	1.162	1.695	34.5	21.1	104 E	36	73
11 27	22 59.01	− 7 20.2	1.265	1.712	34.8	21.3	98 E	38	70*
467471 2006 QN_{113}									
5 21	21 19.57	−22 46.1	1.167	1.729	34.5	21.4	105 W	19*	87
5 31	21 37.83	−22 10.0	1.071	1.709	33.9	21.1	110 W	20*	86
6 10	21 54.22	−21 40.4	0.983	1.692	32.7	20.9	116 W	22*	86
6 20	22 8.26	−21 20.6	0.902	1.678	30.9	20.6	122 W	23*	85
6 30	22 19.41	−21 13.6	0.830	1.666	28.4	20.4	129 W	24*	85
7 10	22 27.17	−21 20.7	0.767	1.658	25.1	20.1	136 W	24	85
7 20	22 31.03	−21 41.2	0.716	1.652	21.0	19.8	144 W	23	86

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
467471 2006 QN_{113} *(continuation)*									
7 25	22 31.41	−21 55.3	0.695	1.650	18.6	19.7	149 W	23	86
7 30	22 30.77	−22 10.5	0.678	1.649	16.1	19.5	153 W	23	86
8 4	22 29.19	−22 25.8	0.665	1.649	13.5	19.4	158 W	23	86
8 9	22 26.78	−22 39.8	0.656	1.650	10.9	19.3	162 W	22	87
8 14	22 23.68	−22 50.9	0.651	1.651	8.7	19.1	166 W	22	87
8 19	22 20.10	−22 57.9	0.650	1.653	7.3	19.1	168 W	22	87
8 24	22 16.30	−22 59.4	0.654	1.656	7.2	19.1	168 W	22	87
8 29	22 12.55	−22 54.6	0.662	1.660	8.6	19.2	166 E	22	87
9 3	22 9.09	−22 42.8	0.676	1.665	10.7	19.3	162 E	22	87
9 8	22 6.14	−22 24.3	0.693	1.670	13.2	19.5	158 E	23	86
9 13	22 3.87	−21 59.1	0.715	1.676	15.7	19.6	153 E	23	86
9 18	22 2.40	−21 27.9	0.740	1.682	18.1	19.8	149 E	24	85
9 23	22 1.83	−20 51.0	0.770	1.689	20.3	20.0	144 E	24	85
9 28	22 2.20	−20 9.4	0.803	1.697	22.3	20.1	140 E	25	84
10 3	22 3.48	−19 23.5	0.840	1.706	24.2	20.3	136 E	26	83
10 8	22 5.63	−18 34.1	0.880	1.715	25.8	20.5	132 E	26	83
10 18	22 12.33	−16 46.8	0.968	1.735	28.4	20.8	124 E	28	81
10 28	22 21.81	−14 50.4	1.067	1.758	30.2	21.1	117 E	30	79
11 7	22 33.48	−12 47.2	1.174	1.782	31.4	21.3	110 E	32	77
11 17	22 46.86	−10 39.0	1.289	1.808	32.0	21.6	104 E	34	75
414751 2010 FV_{97}									
5 21	21 19.71	−24 55.0	1.076	1.660	36.0	21.4	105 W	17*	89
5 31	21 36.94	−24 21.9	0.999	1.657	34.9	21.2	111 W	18*	88
6 10	21 51.39	−23 56.9	0.927	1.657	33.1	21.0	117 W	20*	88
6 20	22 2.53	−23 43.4	0.862	1.659	30.6	20.8	124 W	21*	88
6 30	22 9.76	−23 43.6	0.805	1.663	27.3	20.6	131 W	21	88
7 10	22 12.66	−23 56.6	0.758	1.669	23.1	20.3	140 W	21	88
7 15	22 12.40	−24 7.0	0.739	1.674	20.7	20.2	144 W	21	88
7 20	22 10.98	−24 18.9	0.723	1.678	18.1	20.1	149 W	21	88
7 25	22 8.49	−24 31.2	0.711	1.684	15.3	19.9	154 W	20	89
7 30	22 5.05	−24 42.5	0.703	1.690	12.6	19.8	159 W	20	89
8 4	22 0.83	−24 51.3	0.699	1.696	9.9	19.7	163 W	20	89
8 9	21 56.06	−24 56.4	0.700	1.703	7.7	19.6	167 W	20	89
8 14	21 50.98	−24 56.8	0.705	1.710	6.6	19.6	169 W	20	89
8 19	21 45.87	−24 51.5	0.716	1.718	7.2	19.7	168 E	20	89
8 24	21 41.01	−24 40.1	0.731	1.727	9.0	19.8	165 E	20	89
8 29	21 36.68	−24 22.6	0.751	1.735	11.3	20.0	160 E	21	88
9 3	21 33.05	−23 59.3	0.776	1.745	13.8	20.1	156 E	21	88
9 8	21 30.27	−23 30.9	0.805	1.754	16.3	20.3	151 E	21	88
9 13	21 28.42	−22 57.8	0.838	1.764	18.6	20.5	146 E	22	87
9 18	21 27.54	−22 20.9	0.875	1.775	20.7	20.7	141 E	23	86
9 23	21 27.65	−21 40.7	0.916	1.785	22.6	20.8	137 E	23	86
9 28	21 28.71	−20 57.7	0.960	1.796	24.3	21.0	133 E	24	85
10 3	21 30.66	−20 12.4	1.007	1.808	25.7	21.2	128 E	25	84
10 8	21 33.43	−19 25.1	1.057	1.819	27.0	21.3	124 E	26	83
10 13	21 36.94	−18 36.2	1.110	1.831	28.0	21.5	121 E	26	83
367390 2008 MB_5									
5 21	21 23.27	− 5 12.7	0.937	1.477	42.7	21.4	98 W	35*	69
5 26	21 35.94	− 5 8.0	0.875	1.452	43.4	21.2	100 W	35*	69
5 31	21 49.27	− 5 8.5	0.815	1.426	44.1	21.0	102 W	36*	69
6 5	22 3.41	− 5 15.5	0.756	1.399	44.9	20.8	103 W	36*	69
6 10	22 18.57	− 5 30.0	0.700	1.372	45.7	20.7	105 W	36*	70
6 15	22 34.99	− 5 53.7	0.646	1.345	46.6	20.5	106 W	36*	70
6 20	22 52.95	− 6 28.1	0.595	1.317	47.6	20.3	107 W	35*	70
6 25	23 12.76	− 7 15.0	0.547	1.289	48.8	20.1	107 W	35*	71
6 30	23 34.81	− 8 15.6	0.502	1.261	50.3	19.9	107 W	34*	72
7 5	23 59.51	− 9 30.7	0.463	1.233	52.1	19.7	107 W	32*	74
7 10	0 27.22	−10 59.4	0.428	1.205	54.3	19.5	106 W	31*	75
7 15	0 58.15	−12 39.1	0.400	1.177	57.0	19.4	104 W	29*	77
7 20	1 32.19	−14 23.9	0.378	1.150	60.2	19.3	101 W	26*	78
7 22	1 46.58	−15 5.4	0.372	1.139	61.6	19.3	100 W	25*	79
7 24	2 1.33	−15 45.7	0.366	1.128	63.1	19.3	98 W	24*	80
7 26	2 16.38	−16 24.2	0.362	1.117	64.6	19.3	97 W	23*	80
7 28	2 31.64	−17 0.1	0.359	1.106	66.1	19.3	95 W	22*	81
7 30	2 47.04	−17 33.0	0.357	1.096	67.6	19.3	93 W	21*	82*
8 1	3 2.47	−18 2.2	0.357	1.085	69.2	19.4	92 W	20*	82*
8 3	3 17.84	−18 27.5	0.357	1.075	70.7	19.4	90 W	19*	81*
8 5	3 33.07	−18 48.6	0.359	1.065	72.2	19.4	88 W	19*	81*
8 7	3 48.07	−19 5.3	0.362	1.055	73.6	19.5	86 W	18*	79*
8 9	4 2.76	−19 17.7	0.366	1.045	74.9	19.5	85 W	17*	78*
8 14	4 37.79	−19 30.7	0.379	1.022	78.0	19.7	81 W	16*	74*
8 19	5 9.94	−19 21.2	0.397	1.000	80.4	19.8	77 W	15*	71*
8 24	5 39.08	−18 53.7	0.418	0.980	82.1	19.9	74 W	16*	68*
8 29	6 5.40	−18 12.7	0.442	0.961	83.3	20.1	71 W	16*	65*
9 3	6 29.27	−17 22.0	0.467	0.945	83.8	20.2	69 W	17*	63*
9 8	6 51.14	−16 24.6	0.493	0.932	83.9	20.3	67 W	18*	61*
9 13	7 11.38	−15 22.9	0.520	0.922	83.6	20.3	66 W	20*	59*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
367390 2008 MB_5 *(continuation)*									
9 18	7 30.33	−14 18.6	0.546	0.914	82.9	20.4	64 W	22*	57*
9 23	7 48.29	−13 13.1	0.571	0.910	81.9	20.4	64 W	24*	56*
9 28	8 5.47	−12 7.0	0.595	0.908	80.7	20.5	63 W	25*	55*
10 3	8 22.07	−11 1.4	0.618	0.911	79.2	20.5	63 W	27*	54*
10 8	8 38.21	− 9 56.8	0.639	0.916	77.7	20.6	64 W	29*	53*
10 13	8 53.97	− 8 53.9	0.658	0.924	76.1	20.6	64 W	31*	52*
10 18	9 9.38	− 7 52.6	0.675	0.936	74.5	20.6	65 W	33*	51*
10 23	9 24.48	− 6 52.9	0.690	0.950	72.8	20.6	66 W	35*	51*
10 28	9 39.25	− 5 54.5	0.702	0.966	71.1	20.6	67 W	37*	50*
11 2	9 53.72	− 4 57.1	0.712	0.985	69.4	20.7	68 W	38*	50*
11 7	10 7.86	− 4 0.0	0.719	1.006	67.8	20.7	70 W	40*	50*
11 12	10 21.64	− 3 2.8	0.724	1.028	66.2	20.7	72 W	41*	50*
11 17	10 35.03	− 2 4.3	0.726	1.052	64.5	20.7	74 W	43*	50*
11 22	10 47.97	− 1 3.6	0.726	1.077	62.9	20.7	76 W	44*	50*
11 27	11 0.44	+ 0 0.4	0.724	1.103	61.3	20.7	79 W	45	51*
12 2	11 12.41	+ 1 8.6	0.720	1.130	59.6	20.7	81 W	46	51*
12 7	11 23.82	+ 2 22.3	0.714	1.158	57.9	20.7	84 W	47	52*
12 12	11 34.61	+ 3 42.5	0.706	1.185	56.1	20.6	87 W	49	52*
12 17	11 44.71	+ 5 10.7	0.696	1.213	54.2	20.6	91 W	50	53*
12 22	11 54.04	+ 6 48.0	0.686	1.241	52.2	20.6	94 W	52	53*
12 27	12 2.53	+ 8 35.4	0.675	1.269	50.1	20.5	98 W	54	53*
1 1	12 10.09	+10 33.7	0.664	1.297	47.8	20.5	102 W	56	52*
1 6	12 16.61	+12 43.6	0.652	1.325	45.4	20.4	106 W	58	51*
1 11	12 21.97	+15 5.5	0.642	1.353	42.8	20.4	111 W	60	49*
1 16	12 26.03	+17 39.0	0.632	1.380	40.0	20.3	116 W	63	46
215588 2003 HF_2									
5 21	21 28.23	− 9 22.2	0.796	1.379	46.5	21.4	99 W	31*	73
5 26	21 42.82	− 7 43.4	0.719	1.336	48.4	21.1	100 W	32*	72
5 31	21 59.30	− 5 46.7	0.646	1.291	50.7	20.9	100 W	34*	70
6 5	22 18.43	− 3 26.3	0.575	1.244	53.6	20.6	99 W	36*	67
6 10	22 41.29	− 0 34.2	0.508	1.194	57.4	20.4	98 W	38*	65
6 15	23 9.37	+ 2 59.2	0.448	1.142	62.5	20.2	95 W	40*	61
6 20	23 44.66	+ 7 22.3	0.395	1.087	69.2	20.0	89 W	42*	57
6 22	0 1.31	+ 9 21.9	0.378	1.064	72.5	20.0	87 W	43*	55
6 24	0 19.62	+11 28.5	0.362	1.041	76.1	19.9	84 W	43*	53
6 26	0 39.66	+13 40.2	0.349	1.017	80.0	19.9	80 W	43*	50*
6 28	1 1.47	+15 53.9	0.339	0.993	84.2	20.0	76 W	43*	48*
6 30	1 24.94	+18 5.6	0.333	0.968	88.7	20.1	72 W	42*	45*
7 2	1 49.86	+20 10.5	0.329	0.943	93.3	20.2	68 W	41*	42*
7 4	2 15.85	+22 3.5	0.330	0.918	97.9	20.3	63 W	39*	39*
7 6	2 42.42	+23 40.5	0.334	0.892	102.3	20.5	59 W	37*	36*
7 8	3 8.99	+24 58.6	0.341	0.865	106.6	20.7	55 W	35*	33*
7 10	3 35.00	+25 56.7	0.353	0.838	110.4	20.9	51 W	33*	30*
7 12	3 59.96	+26 35.4	0.368	0.811	113.8	21.2	47 W	30*	28*
7 14	4 23.53	+26 56.9	0.386	0.783	116.7	21.4	43 W	28*	25*
468045 2013 QB_{85}									
5 21	21 29.75	− 8 20.3	1.369	1.812	33.6	21.5	98 W	32*	72
5 31	21 45.99	− 6 39.1	1.258	1.787	33.5	21.3	103 W	35*	71
6 10	22 0.89	− 5 1.4	1.152	1.763	33.1	21.0	109 W	38*	69
6 20	22 14.19	− 3 30.9	1.053	1.740	32.1	20.8	114 W	40*	68
6 30	22 25.51	− 2 12.4	0.962	1.720	30.5	20.5	121 W	43*	66
7 10	22 34.51	− 1 11.1	0.878	1.703	28.2	20.2	128 W	44	65
7 15	22 38.01	− 0 48.7	0.840	1.695	26.7	20.1	132 W	44	65
7 20	22 40.76	− 0 32.9	0.805	1.687	25.0	19.9	135 W	44	65
7 25	22 42.74	− 0 24.3	0.772	1.681	23.0	19.8	140 W	45	64
7 30	22 43.93	− 0 23.6	0.743	1.675	20.8	19.6	144 W	45	64
8 9	22 43.98	− 0 47.1	0.694	1.665	15.7	19.3	154 W	44	65
8 19	22 41.26	− 1 43.7	0.661	1.657	9.8	18.9	164 W	43	66
8 29	22 36.72	− 3 7.4	0.646	1.653	3.9	18.6	174 W	42	67
9 3	22 34.25	− 3 55.5	0.645	1.652	3.1	18.6	175 E	41	68
9 8	22 31.91	− 4 45.3	0.649	1.652	5.3	18.7	171 E	40	69
9 13	22 29.90	− 5 34.6	0.658	1.652	8.3	18.9	166 E	39	70
9 18	22 28.39	− 6 21.6	0.671	1.654	11.4	19.0	161 E	39	70
9 23	22 27.56	− 7 4.3	0.689	1.656	14.4	19.2	156 E	38	71
9 28	22 27.52	− 7 41.5	0.710	1.658	17.2	19.4	151 E	37	72
10 3	22 28.33	− 8 12.1	0.736	1.662	19.8	19.5	146 E	37	72
10 8	22 29.99	− 8 35.7	0.766	1.666	22.1	19.7	141 E	36	73
10 18	22 35.87	− 9 0.6	0.834	1.676	26.0	20.0	132 E	36	73
10 28	22 44.90	− 8 56.5	0.915	1.689	29.0	20.3	125 E	36	73
11 7	22 56.55	− 8 26.1	1.005	1.705	31.1	20.6	117 E	37	72
11 17	23 10.30	− 7 33.1	1.103	1.723	32.4	20.9	111 E	37	72
11 27	23 25.69	− 6 21.2	1.209	1.744	33.2	21.1	105 E	39	70
12 7	23 42.31	− 4 54.2	1.321	1.766	33.4	21.3	99 E	40	68*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
438955 2010 LN_{14}									
5 21	21 30.01	−19 36.6	0.372	1.146	59.9	21.3	102 W	21*	84
5 23	21 43.62	−18 38.7	0.356	1.131	61.8	21.2	100 W	21*	83
5 25	21 58.07	−17 32.5	0.342	1.115	64.0	21.2	98 W	22*	82
5 27	22 13.37	−16 17.3	0.328	1.099	66.3	21.1	96 W	22*	80
5 29	22 29.54	−14 52.3	0.316	1.083	68.9	21.1	94 W	22*	79
5 31	22 46.54	−13 17.0	0.305	1.067	71.7	21.1	92 W	22*	77
6 5	23 32.31	− 8 34.6	0.285	1.026	79.7	21.1	84 W	23*	72*
6 10	0 21.12	− 3 3.4	0.278	0.984	88.4	21.3	76 W	23*	64*
6 15	1 10.14	+ 2 40.9	0.284	0.942	96.9	21.6	67 W	23*	56*
6 20	1 56.50	+ 7 57.0	0.304	0.899	104.1	22.0	59 W	22*	48*
100276 1994 XV									
5 21	21 31.88	+ 8 40.3	2.781	2.987	19.8	21.4	92 W	47*	55
5 31	21 35.92	+10 24.8	2.629	2.960	19.8	21.2	99 W	51*	54
6 10	21 38.16	+12 6.1	2.480	2.932	19.4	21.1	106 W	56*	52
6 20	21 38.38	+13 41.6	2.338	2.903	18.7	20.9	114 W	59*	50
6 30	21 36.39	+15 7.1	2.206	2.874	17.5	20.7	122 W	60	49
7 10	21 32.11	+16 17.9	2.088	2.843	16.1	20.5	129 W	61	48
7 20	21 25.61	+17 8.9	1.985	2.811	14.4	20.3	137 W	62	47
7 30	21 17.23	+17 34.3	1.902	2.778	12.8	20.2	143 W	63	46
8 9	21 7.61	+17 30.5	1.841	2.745	11.7	20.0	147 E	63	46
8 19	20 57.61	+16 56.1	1.803	2.710	11.7	20.0	147 E	62	47
8 24	20 52.80	+16 27.9	1.793	2.693	12.1	19.9	146 E	61	48
8 29	20 48.28	+15 53.3	1.789	2.675	12.7	20.0	144 E	61	48
9 3	20 44.17	+15 13.0	1.791	2.657	13.6	20.0	142 E	60	49
9 8	20 40.57	+14 28.1	1.798	2.638	14.6	20.0	139 E	59	50
9 13	20 37.55	+13 39.6	1.810	2.620	15.8	20.0	135 E	59	50
9 18	20 35.20	+12 48.6	1.827	2.601	16.9	20.1	131 E	58	51
9 23	20 33.55	+11 56.3	1.848	2.582	18.0	20.1	127 E	57	52
9 28	20 32.63	+11 3.6	1.873	2.563	19.1	20.2	123 E	56	53
10 3	20 32.45	+10 11.5	1.901	2.544	20.1	20.2	119 E	55	54
10 8	20 33.00	+ 9 20.8	1.932	2.524	21.0	20.3	115 E	54	55
10 18	20 36.23	+ 7 46.2	2.002	2.484	22.5	20.4	107 E	53	56
10 28	20 42.15	+ 6 24.0	2.079	2.444	23.7	20.4	99 E	51	57*
11 7	20 50.47	+ 5 16.7	2.158	2.403	24.3	20.5	92 E	50	56*
11 17	21 0.93	+ 4 25.6	2.238	2.361	24.6	20.6	85 E	49	52*
11 27	21 13.27	+ 3 51.2	2.317	2.319	24.6	20.6	78 E	49*	46*
12 7	21 27.22	+ 3 33.4	2.392	2.276	24.2	20.6	71 E	48*	40*
12 17	21 42.58	+ 3 31.5	2.462	2.232	23.6	20.6	65 E	47*	34*
12 27	21 59.18	+ 3 44.8	2.525	2.189	22.7	20.6	59 E	45*	28*
1 6	22 16.84	+ 4 12.1	2.581	2.145	21.6	20.6	53 E	42*	23*
1 16	22 35.48	+ 4 52.3	2.629	2.101	20.3	20.5	48 E	39*	18*
219021 1991 LH									
5 21	21 36.44	+16 33.6	2.061	2.262	26.6	21.4	88 W	53*	47
5 31	21 37.29	+20 22.1	1.913	2.233	26.9	21.3	94 W	60*	44
6 10	21 35.00	+24 26.6	1.770	2.199	27.0	21.1	101 W	68*	40
6 20	21 28.69	+28 44.0	1.637	2.162	26.8	20.8	107 W	74	35
6 30	21 17.29	+33 5.9	1.518	2.119	26.4	20.6	112 W	78	31
7 10	20 59.71	+37 17.8	1.417	2.073	26.2	20.4	116 W	82	27
7 15	20 48.34	+39 13.2	1.374	2.047	26.2	20.3	117 W	84	25
7 20	20 35.23	+40 57.0	1.336	2.021	26.4	20.3	118 W	86	23
7 25	20 20.52	+42 25.4	1.304	1.993	26.8	20.2	118 W	87	22
7 30	20 4.46	+43 35.1	1.278	1.964	27.3	20.1	117 E	89	20
8 4	19 47.46	+44 23.6	1.257	1.934	28.0	20.1	116 E	89	20
8 9	19 30.05	+44 49.3	1.241	1.903	29.0	20.0	115 E	90	19
8 14	19 12.79	+44 51.9	1.230	1.870	30.0	20.0	113 E	90	19
8 19	18 56.27	+44 32.6	1.224	1.835	31.2	20.0	110 E	90	19
8 24	18 40.98	+43 53.8	1.221	1.799	32.5	20.0	107 E	89	20
8 29	18 27.24	+42 58.8	1.221	1.762	33.8	20.0	104 E	88	21
9 3	18 15.26	+41 51.2	1.223	1.723	35.1	20.0	101 E	87	22
9 8	18 5.09	+40 34.4	1.227	1.683	36.4	20.0	97 E	86	23
9 13	17 56.69	+39 11.5	1.232	1.641	37.7	19.9	94 E	83*	25
9 18	17 49.99	+37 45.0	1.236	1.597	39.0	19.9	90 E	80*	26*
9 23	17 44.86	+36 17.3	1.239	1.551	40.2	19.9	87 E	77*	27*
9 28	17 41.14	+34 50.0	1.241	1.504	41.4	19.9	83 E	74*	27*
10 3	17 38.68	+33 24.3	1.240	1.455	42.7	19.8	80 E	71*	27*
10 8	17 37.33	+32 0.8	1.237	1.404	43.9	19.8	77 E	69*	26*
10 13	17 36.97	+30 39.9	1.229	1.350	45.2	19.7	74 E	66*	24*
10 18	17 37.49	+29 21.8	1.218	1.295	46.6	19.7	71 E	63*	23*
10 23	17 38.76	+28 6.2	1.202	1.237	48.1	19.6	68 E	61*	20*
10 28	17 40.69	+26 52.6	1.180	1.177	49.9	19.5	65 E	58*	18*
11 2	17 43.16	+25 39.8	1.152	1.114	51.9	19.4	62 E	56*	15*
11 7	17 46.07	+24 26.2	1.117	1.049	54.3	19.2	59 E	53*	12*
11 12	17 49.30	+23 9.0	1.076	0.981	57.3	19.1	57 E	51*	9*
11 17	17 52.73	+21 44.2	1.027	0.910	61.0	18.9	54 E	48*	6*
11 22	17 56.15	+20 5.5	0.970	0.837	65.8	18.8	51 E	44*	3*
11 27	17 59.30	+18 1.9	0.905	0.761	72.0	18.6	47 E	41*	—

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
219021 1991 LH *(continuation)*									
11 29	18 0.40	+17 1.8	0.877	0.730	75.1	18.6	46 E	39*	—
12 1	18 1.36	+15 53.2	0.848	0.698	78.6	18.5	44 E	37*	—
12 3	18 2.14	+14 34.2	0.818	0.666	82.5	18.5	42 E	35*	—
12 5	18 2.70	+13 2.1	0.787	0.635	87.1	18.5	40 E	33*	—
12 7	18 2.99	+11 13.7	0.756	0.603	92.2	18.5	38 E	30*	—
12 9	18 2.94	+ 9 5.3	0.725	0.571	98.2	18.5	35 E	27*	—
12 11	18 2.51	+ 6 32.4	0.694	0.540	105.2	18.7	32 E	24*	—
12 13	18 1.62	+ 3 30.2	0.666	0.509	113.2	18.9	28 E	20*	—
12 15	18 0.22	− 0 5.8	0.640	0.480	122.5	19.4	24 E	16*	—
12 17	17 58.31	− 4 18.7	0.619	0.452	133.1	20.2	20 E	11*	—
383464 2006 YH_{18}									
5 21	21 39.95	−13 58.0	2.071	2.421	24.5	21.3	97 W	26*	78
5 31	21 46.39	−12 13.1	1.914	2.388	24.2	21.1	105 W	29*	76
6 10	21 50.66	−10 26.4	1.764	2.354	23.4	20.9	113 W	33*	74
6 20	21 52.42	− 8 38.3	1.621	2.320	21.9	20.6	121 W	36*	73
6 30	21 51.26	− 6 50.0	1.490	2.286	19.8	20.4	131 W	38	71
7 10	21 46.90	− 5 2.9	1.375	2.251	16.9	20.0	140 W	40	69
7 20	21 39.23	− 3 19.4	1.277	2.216	13.3	19.7	150 W	42	67
7 30	21 28.50	− 1 43.2	1.202	2.181	9.6	19.4	159 W	43	66
8 9	21 15.58	− 0 18.5	1.152	2.146	7.3	19.2	164 E	45	64
8 19	21 1.78	+ 0 51.0	1.127	2.110	8.9	19.2	161 E	46	63
8 29	20 48.83	+ 1 43.3	1.127	2.075	13.0	19.3	152 E	47	62
9 8	20 38.31	+ 2 19.9	1.150	2.041	17.7	19.5	142 E	47	62
9 18	20 31.28	+ 2 44.5	1.190	2.006	21.9	19.6	132 E	48	61
9 23	20 29.27	+ 2 54.0	1.216	1.989	23.7	19.7	127 E	48	61
9 28	20 28.29	+ 3 2.6	1.244	1.972	25.4	19.8	122 E	48	61
10 3	20 28.32	+ 3 11.0	1.274	1.956	26.8	19.9	118 E	48	61
10 8	20 29.34	+ 3 19.6	1.307	1.939	28.1	20.0	114 E	48	61
10 18	20 34.17	+ 3 39.8	1.375	1.907	30.2	20.1	106 E	49	60
10 28	20 42.40	+ 4 7.1	1.446	1.876	31.6	20.2	99 E	49	59*
11 7	20 53.59	+ 4 43.8	1.517	1.846	32.4	20.3	92 E	50	56*
11 17	21 7.34	+ 5 31.7	1.586	1.817	32.9	20.4	87 E	51	52*
11 27	21 23.33	+ 6 31.8	1.654	1.791	33.0	20.4	81 E	52	46*
12 7	21 41.26	+ 7 44.4	1.718	1.766	32.8	20.5	76 E	53*	40*
12 17	22 0.89	+ 9 9.2	1.780	1.743	32.4	20.5	72 E	53*	34*
12 27	22 22.06	+10 45.5	1.839	1.722	31.8	20.6	68 E	54*	29*
1 6	22 44.59	+12 31.7	1.895	1.704	31.1	20.6	64 E	53*	24*
1 16	23 8.41	+14 26.0	1.950	1.689	30.3	20.6	60 E	52*	20*
68347 2001 KB_{67}									
5 21	21 54.39	+ 2 37.5	0.647	1.187	58.5	21.4	88 W	39*	61
5 31	21 59.55	+ 7 59.8	0.614	1.226	55.5	21.3	95 W	47*	56
6 10	22 0.84	+13 31.3	0.578	1.259	52.4	21.1	101 W	55*	50
6 20	21 57.07	+19 8.5	0.542	1.286	49.0	20.9	107 W	63*	45
6 30	21 46.72	+24 39.6	0.508	1.306	45.5	20.7	114 W	70	39
7 10	21 28.42	+29 41.4	0.480	1.319	42.2	20.6	119 W	75	34
7 20	21 1.62	+33 37.9	0.459	1.327	39.6	20.4	124 W	79	30
7 25	20 45.51	+34 57.9	0.452	1.328	38.8	20.3	125 W	80	29
7 30	20 28.32	+35 46.3	0.448	1.328	38.4	20.3	126 E	81	28
8 4	20 10.80	+36 1.4	0.447	1.326	38.5	20.3	126 E	81	28
8 9	19 53.76	+35 43.3	0.448	1.322	39.0	20.3	125 E	81	28
8 14	19 37.94	+34 54.6	0.452	1.317	39.9	20.4	123 E	80	29
8 19	19 23.94	+33 39.7	0.457	1.310	41.2	20.4	121 E	79	30
8 24	19 12.13	+32 4.1	0.465	1.302	42.8	20.5	119 E	77	32
8 29	19 2.66	+30 13.8	0.474	1.292	44.5	20.5	116 E	75	34
9 3	18 55.50	+28 14.1	0.484	1.280	46.3	20.6	113 E	73	36
9 8	18 50.49	+26 9.1	0.495	1.267	48.2	20.7	110 E	71	38
9 13	18 47.46	+24 2.0	0.506	1.252	50.1	20.8	107 E	69	40
9 18	18 46.23	+21 55.1	0.516	1.236	52.1	20.8	104 E	67	42
9 23	18 46.60	+19 50.4	0.527	1.218	54.0	20.9	101 E	65	44
9 28	18 48.38	+17 49.0	0.536	1.198	56.0	21.0	98 E	63	46*
10 3	18 51.37	+15 51.5	0.544	1.177	57.9	21.0	95 E	61*	48*
10 8	18 55.43	+13 57.7	0.551	1.154	59.9	21.1	92 E	59*	49*
10 13	19 0.42	+12 7.4	0.556	1.130	62.0	21.1	89 E	57*	50*
10 18	19 6.24	+10 20.3	0.559	1.104	64.2	21.1	86 E	55*	50*
10 23	19 12.77	+ 8 35.6	0.560	1.076	66.4	21.1	83 E	53*	49*
10 28	19 19.87	+ 6 52.5	0.558	1.047	68.9	21.2	80 E	51*	49*
11 2	19 27.43	+ 5 9.4	0.553	1.017	71.6	21.2	76 E	49*	47*
11 7	19 35.30	+ 3 24.5	0.546	0.985	74.6	21.2	73 E	47*	46*
11 12	19 43.35	+ 1 35.4	0.535	0.952	78.0	21.2	70 E	45*	44*
11 17	19 51.40	− 0 20.9	0.521	0.917	81.8	21.2	67 E	43*	43*
11 22	19 59.20	− 2 28.2	0.505	0.882	86.3	21.2	63 E	40*	40*
11 27	20 6.39	− 4 51.8	0.486	0.846	91.5	21.2	59 E	38*	38*
12 2	20 12.48	− 7 38.2	0.464	0.810	97.6	21.3	55 E	34*	36*
12 7	20 16.84	−10 55.3	0.441	0.775	104.9	21.4	49 E	30*	33*