427778 2005 *BE*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 17	21 41.75	− 1 21.8	1.024	0.543	71.5	21.3	31 W	16*	22*
3 22	22 11.35	− 2 53.1	1.091	0.523	65.6	21.2	29 W	11*	21*
3 27	22 41.67	− 4 3.9	1.159	0.512	59.1	21.1	26 W	7*	20*
4 1	23 12.43	− 4 48.7	1.227	0.514	52.3	21.0	24 W	3*	18*
4 6	23 43.17	− 5 4.9	1.294	0.527	45.8	21.0	22 W	—	16*
4 11	0 13.33	− 4 53.5	1.358	0.550	40.1	21.1	21 W	—	14*
4 16	0 42.47	− 4 18.5	1.419	0.581	35.4	21.1	20 W	—	12*
4 21	1 10.28	− 3 25.3	1.477	0.617	31.6	21.2	19 W	—	11*
4 26	1 36.66	− 2 19.0	1.533	0.657	28.6	21.4	18 W	—	9*

242191 2003 NZ_6

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	21 51.38	−11 9.0	1.699	0.976	30.8	21.4	30 W	7*	24*
3 22	22 11.98	−10 5.4	1.661	0.941	32.0	21.3	30 W	6*	24*
3 27	22 33.48	− 8 53.2	1.624	0.902	33.1	21.2	30 W	5*	24*
4 1	22 55.99	− 7 31.8	1.588	0.860	34.1	21.1	29 W	4*	23*
4 6	23 19.63	− 6 0.3	1.554	0.816	34.9	21.0	28 W	3*	22*
4 11	23 44.54	− 4 17.9	1.523	0.768	35.5	20.8	26 W	1*	20*
4 16	0 10.84	− 2 23.8	1.496	0.718	35.6	20.6	25 W	—	19*
4 21	0 38.68	− 0 17.5	1.472	0.665	35.2	20.4	22 W	—	16*
4 26	1 8.21	+ 2 1.5	1.454	0.611	33.9	20.2	20 W	—	14*
5 6	2 13.01	+ 7 18.3	1.431	0.504	27.1	19.5	13 W	—	7*
5 16	3 26.25	+13 19.9	1.415	0.422	14.0	18.7	6 W	—	—
5 26	4 46.37	+19 27.9	1.381	0.408	21.5	18.8	8 E	—	2*
5 28	5 2.73	+20 34.9	1.371	0.415	25.7	19.0	10 E	—	3*
5 30	5 19.09	+21 38.1	1.361	0.426	29.8	19.1	12 E	2*	5*
6 1	5 35.40	+22 36.6	1.350	0.439	33.7	19.3	14 E	3*	6*
6 3	5 51.63	+23 29.9	1.338	0.455	37.2	19.4	16 E	5*	7*
6 5	6 7.74	+24 17.7	1.328	0.472	40.3	19.6	18 E	6*	8*
6 7	6 23.72	+24 59.6	1.317	0.491	43.0	19.7	19 E	8*	9*
6 9	6 39.54	+25 35.5	1.307	0.511	45.3	19.9	21 E	9*	11*
6 11	6 55.18	+26 5.1	1.298	0.531	47.2	20.0	23 E	11*	12*
6 13	7 10.63	+26 28.7	1.291	0.553	48.8	20.1	24 E	12*	13*
6 15	7 25.86	+26 46.0	1.284	0.574	50.1	20.2	26 E	13*	14*
6 20	8 2.83	+27 3.5	1.272	0.629	52.2	20.4	29 E	16*	16*
6 25	8 38.00	+26 46.5	1.267	0.683	53.1	20.6	33 E	18*	19*
6 30	9 11.12	+25 59.6	1.269	0.735	53.2	20.8	35 E	20*	21*
7 5	9 42.05	+24 48.1	1.278	0.784	52.7	20.9	38 E	21*	24*
7 10	10 10.79	+23 17.3	1.292	0.831	51.9	21.1	40 E	22*	26*
7 15	10 37.40	+21 32.0	1.311	0.874	50.8	21.2	42 E	23*	28*
7 20	11 2.02	+19 36.8	1.334	0.915	49.5	21.3	43 E	23*	30*
7 25	11 24.85	+17 35.1	1.360	0.953	48.2	21.4	44 E	24*	32*
7 30	11 46.09	+15 29.8	1.389	0.987	46.9	21.5	45 E	23*	33*

202411 2005 *RC*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	22 11.84	− 9 10.4	0.500	0.580	134.1	20.6	25 W	5*	19*
3 19	22 11.90	− 7 32.4	0.538	0.566	128.8	20.2	26 W	7*	20*
3 21	22 12.85	− 6 4.2	0.577	0.555	123.3	19.8	28 W	8*	21*
3 23	22 14.64	− 4 44.4	0.618	0.545	117.7	19.5	29 W	10*	22*
3 25	22 17.20	− 3 31.8	0.660	0.539	112.1	19.3	30 W	11*	23*
3 27	22 20.46	− 2 25.4	0.703	0.536	106.5	19.0	31 W	12*	24*
3 29	22 24.36	− 1 24.3	0.747	0.536	100.9	18.9	32 W	13*	24*
3 31	22 28.79	− 0 27.8	0.790	0.539	95.5	18.8	32 W	13*	25*
4 2	22 33.70	+ 0 24.9	0.834	0.545	90.4	18.7	33 W	14*	25*
4 4	22 38.98	+ 1 14.2	0.878	0.554	85.5	18.6	34 W	14*	26*
4 6	22 44.55	+ 2 0.6	0.920	0.565	80.9	18.6	34 W	15*	26*
4 11	22 59.32	+ 3 45.8	1.023	0.604	70.7	18.6	35 W	15*	26*
4 16	23 14.54	+ 5 18.7	1.118	0.654	62.7	18.8	35 W	15*	27*
4 21	23 29.61	+ 6 41.6	1.206	0.712	56.4	18.9	36 W	15*	28*
4 26	23 44.20	+ 7 56.1	1.284	0.774	51.5	19.1	37 W	16*	29*
5 1	23 58.15	+ 9 3.4	1.355	0.840	47.9	19.3	38 W	16*	29*
5 6	0 11.39	+10 4.3	1.418	0.906	45.1	19.5	39 W	17*	31*
5 16	0 35.73	+11 49.6	1.523	1.039	41.3	19.8	43 W	18*	33*
5 26	0 57.34	+13 15.4	1.602	1.170	39.1	20.1	47 W	20*	36*
6 5	1 16.44	+14 24.3	1.657	1.296	37.7	20.4	51 W	23*	39*
6 15	1 33.16	+15 17.5	1.690	1.418	36.8	20.6	57 W	27*	42*
6 25	1 47.53	+15 55.8	1.704	1.534	36.1	20.8	63 W	33*	44*
7 5	1 59.50	+16 19.3	1.699	1.646	35.3	20.9	69 W	38*	46*
7 15	2 8.94	+16 27.7	1.679	1.753	34.4	21.0	77 W	45*	47*
7 25	2 15.59	+16 19.9	1.647	1.856	33.0	21.0	85 W	51*	48
8 4	2 19.20	+15 54.6	1.605	1.954	31.2	21.0	94 W	57*	48
8 14	2 19.45	+15 9.9	1.559	2.049	28.7	21.0	104 W	60*	49
8 24	2 16.10	+14 4.0	1.515	2.139	25.5	20.9	114 W	59	50
9 3	2 9.08	+12 35.8	1.478	2.226	21.5	20.8	126 W	58	51
9 13	1 58.63	+10 46.1	1.455	2.309	16.7	20.7	139 W	56	53
9 23	1 45.51	+ 8 39.8	1.456	2.390	11.3	20.6	152 W	54	55
10 3	1 30.91	+ 6 25.4	1.484	2.467	5.6	20.5	166 W	51	58

202411 2005 *RC* *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
10 8	1 23.50	+ 5 18.8	1.510	2.504	2.9	20.4	173 W	50	59
10 13	1 16.27	+ 4 14.6	1.544	2.541	1.4	20.4	176 W	49	60
10 18	1 9.40	+ 3 14.2	1.586	2.576	3.2	20.6	172 E	48	61
10 23	1 3.03	+ 2 18.7	1.637	2.612	5.5	20.8	165 E	47	62
10 28	0 57.26	+ 1 29.0	1.695	2.646	7.8	21.0	159 E	46	63
11 2	0 52.17	+ 0 45.4	1.760	2.680	9.9	21.2	152 E	46	63
11 7	0 47.81	+ 0 8.2	1.832	2.713	11.7	21.4	146 E	45	64
11 12	0 44.21	− 0 22.4	1.910	2.745	13.3	21.6	140 E	45	64

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21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	22 17.89	−24 37.4	3.517	2.719	11.0	21.5	32 W	—	23*
3 27	22 33.29	−22 46.9	3.413	2.681	12.9	21.5	37 W	—	29*
4 6	22 48.30	−20 54.7	3.298	2.643	14.7	21.4	42 W	—	34*
4 16	23 2.92	−19 1.1	3.172	2.603	16.5	21.4	48 W	—	40*
4 26	23 17.10	−17 6.5	3.037	2.564	18.3	21.3	53 W	2*	46*
5 6	23 30.80	−15 11.0	2.893	2.523	20.0	21.2	59 W	5*	53*
5 16	23 43.97	−13 14.7	2.743	2.482	21.6	21.1	65 W	8*	59*
5 26	23 56.54	−11 17.7	2.588	2.441	23.0	21.0	70 W	12*	64*
6 5	0 8.42	− 9 19.9	2.428	2.399	24.3	20.9	76 W	17*	68*
6 15	0 19.47	− 7 21.1	2.265	2.357	25.3	20.7	82 W	22*	70*
6 25	0 29.52	− 5 20.8	2.102	2.315	26.0	20.5	89 W	28*	69
7 5	0 38.35	− 3 18.2	1.939	2.272	26.5	20.3	95 W	34*	67
7 15	0 45.67	− 1 12.3	1.778	2.229	26.4	20.1	102 W	40*	65
7 25	0 51.07	+ 0 58.3	1.623	2.187	25.9	19.8	110 W	45*	63
8 4	0 54.11	+ 3 15.3	1.474	2.144	24.7	19.5	118 W	48	61
8 14	0 54.16	+ 5 40.2	1.336	2.102	22.8	19.2	126 W	51	58
8 24	0 50.60	+ 8 14.1	1.211	2.061	20.0	18.9	136 W	53	56
9 3	0 42.86	+10 56.2	1.104	2.020	16.3	18.5	146 W	56	53
9 8	0 37.31	+12 19.2	1.058	1.999	14.2	18.3	151 W	57	52
9 13	0 30.66	+13 42.2	1.018	1.979	12.0	18.1	156 W	59	50
9 18	0 22.99	+15 4.2	0.985	1.960	10.0	18.0	160 W	60	49
9 23	0 14.46	+16 23.8	0.958	1.940	8.6	17.8	163 W	61	48
9 28	0 5.28	+17 39.3	0.938	1.921	8.3	17.8	164 E	63	46
10 3	23 55.72	+18 49.5	0.925	1.902	9.3	17.7	162 E	64	45
10 8	23 46.12	+19 53.1	0.919	1.884	11.3	17.8	158 E	65	44
10 13	23 36.82	+20 49.9	0.919	1.866	13.8	17.9	153 E	66	43
10 18	23 28.17	+21 40.0	0.925	1.848	16.5	18.0	148 E	67	42
10 23	23 20.43	+22 24.0	0.937	1.831	19.2	18.0	143 E	67	42
10 28	23 13.81	+23 2.9	0.954	1.814	21.8	18.1	137 E	68	41
11 2	23 8.46	+23 37.9	0.975	1.798	24.1	18.2	132 E	69	40
11 7	23 4.47	+24 10.3	0.999	1.783	26.3	18.3	127 E	69	40
11 12	23 1.88	+24 41.6	1.025	1.768	28.2	18.4	123 E	70	39
11 17	23 0.67	+25 13.0	1.054	1.753	29.8	18.5	118 E	70	39
11 22	23 0.77	+25 45.3	1.085	1.740	31.2	18.6	114 E	71	38
11 27	23 2.12	+26 19.3	1.117	1.727	32.4	18.7	110 E	71	37*
12 2	23 4.67	+26 55.4	1.149	1.714	33.4	18.8	107 E	72	36*
12 7	23 8.35	+27 34.2	1.182	1.703	34.3	18.8	103 E	73	34*
12 12	23 13.09	+28 16.0	1.215	1.692	34.9	18.9	100 E	73	32*
12 22	23 25.50	+29 48.4	1.280	1.674	35.9	19.0	94 E	75	28*
1 1	23 41.49	+31 32.0	1.344	1.659	36.4	19.1	90 E	77*	23*
1 11	0 0.83	+33 25.0	1.406	1.647	36.5	19.2	85 E	77*	19*
1 21	0 23.32	+35 24.1	1.467	1.640	36.4	19.3	81 E	75*	16*

87684 2000 SY_2

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	22 52.35	− 1 0.5	0.768	0.307	130.5	18.7	14 W	4*	6*
3 19	22 47.84	− 0 42.5	0.824	0.312	114.8	17.6	17 W	6*	9*
3 21	22 46.67	− 0 26.9	0.884	0.324	100.7	17.0	19 W	7*	11*
3 23	22 48.23	− 0 12.1	0.945	0.342	88.5	16.8	20 W	7*	12*
3 25	22 51.80	+ 0 2.7	1.004	0.365	78.3	16.7	21 W	8*	14*
3 27	22 56.75	+ 0 17.9	1.062	0.392	69.9	16.7	22 W	8*	14*
4 6	23 29.46	+ 1 42.4	1.302	0.544	45.7	17.1	23 W	6*	16*
4 16	0 3.19	+ 3 11.4	1.475	0.693	36.2	17.6	24 W	5*	18*
4 26	0 34.32	+ 4 36.6	1.602	0.825	32.3	18.1	26 W	5*	20*
5 6	1 2.98	+ 5 54.4	1.692	0.941	30.9	18.4	29 W	5*	22*
5 16	1 29.70	+ 7 3.4	1.754	1.041	30.8	18.7	32 W	5*	25*
5 26	1 54.94	+ 8 2.3	1.790	1.127	31.3	19.0	35 W	6*	29*
6 5	2 19.08	+ 8 50.6	1.804	1.200	32.2	19.1	39 W	8*	32*
6 15	2 42.41	+ 9 27.3	1.796	1.261	33.3	19.3	43 W	11*	36*
6 25	3 5.12	+ 9 51.6	1.770	1.311	34.6	19.4	47 W	15*	39*
7 5	3 27.40	+10 2.7	1.727	1.351	36.0	19.4	51 W	19*	42*
7 15	3 49.39	+ 9 59.2	1.669	1.380	37.5	19.4	56 W	23*	44*
7 25	4 11.19	+ 9 39.7	1.596	1.400	38.9	19.4	60 W	28*	47*
8 4	4 32.96	+ 9 2.5	1.512	1.409	40.4	19.3	64 W	33*	49*
8 14	4 54.80	+ 8 5.3	1.418	1.409	42.0	19.2	69 W	37*	51*
8 24	5 16.89	+ 6 45.5	1.315	1.400	43.6	19.1	73 W	40*	53*
9 3	5 39.48	+ 4 59.3	1.206	1.381	45.3	18.9	77 W	42*	55*
9 8	5 51.06	+ 3 54.8	1.150	1.367	46.2	18.8	78 W	43*	57*
9 13	6 2.91	+ 2 41.8	1.093	1.352	47.2	18.7	80 W	43*	58*
9 18	6 15.11	+ 1 19.4	1.035	1.333	48.2	18.6	82 W	43*	59*

87684 2000 SY_2 *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
9 23	6 27.76	− 0 13.3	0.978	1.313	49.4	18.5	83 W	43*	61*
9 28	6 41.00	− 1 57.7	0.920	1.289	50.7	18.4	84 W	42*	63*
10 3	6 54.99	− 3 54.9	0.864	1.263	52.1	18.2	85 W	40*	64*
10 8	7 9.96	− 6 6.6	0.808	1.234	53.8	18.1	85 W	39*	66*
10 13	7 26.21	− 8 34.2	0.754	1.202	55.9	17.9	85 W	36*	68*
10 18	7 44.13	−11 19.2	0.702	1.167	58.3	17.8	85 W	34*	70*
10 23	8 4.27	−14 22.6	0.653	1.129	61.2	17.6	84 W	31*	71*
10 28	8 27.33	−17 44.5	0.607	1.088	64.7	17.5	82 W	27*	71*
11 2	8 54.22	−21 22.3	0.567	1.043	68.9	17.4	79 W	24*	70*
11 4	9 6.27	−22 52.5	0.553	1.024	70.9	17.3	77 W	22*	70*
11 6	9 19.18	−24 23.5	0.539	1.005	72.9	17.3	76 W	21*	68*
11 8	9 33.01	−25 54.3	0.527	0.985	75.1	17.3	74 W	19*	67*
11 10	9 47.83	−27 23.6	0.517	0.965	77.5	17.3	72 W	18*	65*
11 12	10 3.68	−28 50.1	0.508	0.943	79.9	17.3	70 W	16*	63*
11 14	10 20.60	−30 12.1	0.500	0.922	82.5	17.3	67 W	15*	61*
11 16	10 38.59	−31 27.7	0.494	0.899	85.2	17.3	65 W	13*	59*
11 18	10 57.59	−32 35.1	0.491	0.876	87.9	17.4	62 W	12*	56*
11 20	11 17.52	−33 32.2	0.489	0.852	90.7	17.4	60 W	11*	54*
11 22	11 38.23	−34 17.3	0.490	0.828	93.5	17.5	57 W	10*	51*
11 24	11 59.51	−34 49.0	0.492	0.803	96.3	17.5	54 W	9*	48*
11 26	12 21.14	−35 6.3	0.498	0.777	99.1	17.6	51 W	8*	45*
11 28	12 42.84	−35 8.8	0.506	0.751	101.7	17.7	48 W	7*	42*
11 30	13 4.36	−34 56.9	0.516	0.724	104.2	17.8	45 W	7*	39*
12 2	13 25.46	−34 31.4	0.529	0.696	106.4	17.9	43 W	6*	37*
12 4	13 45.95	−33 53.7	0.545	0.668	108.3	18.0	40 W	6*	34*
12 6	14 5.69	−33 5.4	0.564	0.638	109.9	18.0	38 W	6*	31*
12 8	14 24.62	−32 8.6	0.586	0.609	111.1	18.1	35 W	6*	29*
12 10	14 42.71	−31 5.1	0.611	0.578	111.8	18.1	33 W	6*	27*
12 12	15 0.00	−29 56.8	0.639	0.548	111.9	18.1	31 W	6*	24*
12 14	15 16.57	−28 45.7	0.670	0.517	111.4	18.1	29 W	7*	22*
12 16	15 32.54	−27 33.2	0.705	0.486	110.2	17.9	28 W	7*	20*
12 18	15 48.05	−26 20.9	0.743	0.455	108.0	17.8	26 W	7*	19*
12 20	16 3.28	−25 10.2	0.785	0.424	104.9	17.6	25 W	8*	17*
12 22	16 18.41	−24 2.2	0.831	0.395	100.6	17.3	23 W	8*	15*
12 24	16 33.64	−22 58.0	0.880	0.368	95.0	17.0	22 W	8*	13*
12 26	16 49.18	−21 58.8	0.933	0.345	88.0	16.7	20 W	8*	12*
12 28	17 5.17	−21 5.5	0.988	0.326	79.7	16.4	19 W	8*	10*
12 30	17 21.72	−20 18.7	1.044	0.313	70.1	16.1	17 W	7*	8*
1 1	17 38.79	−19 38.6	1.101	0.307	59.9	15.9	16 W	6*	6*
1 3	17 56.22	−19 4.7	1.155	0.309	49.5	15.7	14 W	6*	4*
1 5	18 13.74	−18 36.0	1.207	0.319	39.9	15.6	12 W	5*	2*
1 7	18 31.08	−18 11.1	1.254	0.336	31.4	15.6	10 W	3*	—
1 9	18 47.99	−17 48.5	1.299	0.358	24.3	15.6	9 W	2*	—
1 11	19 4.33	−17 27.1	1.339	0.384	18.7	15.6	7 W	1*	—
1 13	19 20.01	−17 6.1	1.377	0.412	14.4	15.7	6 W	—	—
1 15	19 35.00	−16 45.0	1.413	0.442	11.5	15.8	5 W	—	—
1 17	19 49.30	−16 23.4	1.447	0.473	9.6	15.9	5 W	—	—
1 19	20 2.95	−16 1.1	1.479	0.504	8.7	16.1	4 E	—	—
1 21	20 15.98	−15 38.1	1.510	0.535	8.3	16.2	5 E	—	—

496874 2000 SN_{21}

3 17	23 51.26	− 0 35.9	2.602	1.607	0.9	21.5	1 E	—	—
3 27	0 16.62	+ 2 43.9	2.609	1.612	1.0	21.5	2 W	—	—
4 6	0 41.92	+ 6 0.7	2.616	1.620	2.7	21.6	4 W	—	—
4 16	1 7.26	+ 9 12.2	2.622	1.631	4.4	21.7	7 W	—	1*
4 26	1 32.68	+12 15.7	2.626	1.645	6.1	21.9	10 W	—	3*

265196 2004 BW_{58}

3 27	0 1.05	− 5 36.7	2.159	1.188	8.2	21.4	10 W	—	2*
4 6	0 35.90	− 2 38.7	2.098	1.131	9.5	21.3	11 W	—	3*
4 16	1 12.47	+ 0 31.1	2.043	1.076	10.4	21.2	11 W	—	3*
4 26	1 50.93	+ 3 48.3	1.994	1.025	10.9	21.0	11 W	—	3*
5 6	2 31.42	+ 7 6.9	1.955	0.981	10.9	20.9	11 W	—	3*
5 16	3 13.97	+10 19.2	1.926	0.945	10.3	20.8	10 W	—	2*
5 26	3 58.44	+13 15.7	1.909	0.919	9.2	20.6	8 W	—	—
6 5	4 44.49	+15 46.5	1.905	0.906	7.8	20.5	7 W	—	—
6 15	5 31.55	+17 42.5	1.912	0.906	6.3	20.5	6 W	—	—
6 20	5 55.21	+18 25.3	1.919	0.911	5.6	20.5	5 E	—	—
6 25	6 18.82	+18 57.2	1.929	0.920	5.0	20.5	5 E	—	—
6 30	6 42.27	+19 18.0	1.942	0.931	4.6	20.5	4 E	—	—
7 5	7 5.45	+19 27.8	1.957	0.946	4.3	20.5	4 E	—	—
7 10	7 28.26	+19 26.8	1.975	0.963	4.1	20.6	4 E	—	—
7 15	7 50.62	+19 15.5	1.994	0.982	4.1	20.6	4 E	—	—
7 20	8 12.45	+18 54.7	2.015	1.004	4.1	20.7	4 E	—	—
7 25	8 33.71	+18 25.1	2.038	1.027	4.1	20.8	4 E	—	—
7 30	8 54.35	+17 47.7	2.062	1.052	4.1	20.9	4 E	—	—
8 4	9 14.35	+17 3.4	2.087	1.078	4.1	20.9	4 E	—	—
8 9	9 33.73	+16 13.1	2.113	1.105	4.1	21.0	4 E	—	—
8 14	9 52.46	+15 17.7	2.140	1.133	4.0	21.1	5 E	—	—
8 19	10 10.58	+14 18.3	2.167	1.161	4.0	21.2	5 E	—	—
8 24	10 28.09	+13 15.5	2.195	1.190	3.9	21.2	5 E	—	—

265196 2004 BW_{58} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
8 29	10 45.04	+12 10.2	2.223	1.219	3.9	21.3	5 E	—	—
9 3	11 1.47	+11 2.9	2.251	1.248	3.9	21.4	5 E	—	—
9 8	11 17.39	+ 9 54.4	2.278	1.277	4.0	21.5	5 E	—	—

91227 1999 BG_9

3 27	0 19.64	+ 1 53.6	3.834	2.836	0.4	21.5	1 W	—	—
4 6	0 33.95	+ 3 23.8	3.818	2.828	2.5	21.6	7 W	—	1*
4 16	0 48.31	+ 4 53.1	3.787	2.818	4.6	21.7	13 W	—	7*
4 26	1 2.66	+ 6 20.7	3.741	2.808	6.6	21.8	19 W	1*	13*
5 6	1 17.00	+ 7 46.0	3.680	2.796	8.7	21.9	25 W	3*	18*

494231 2016 NA_{47}

3 27	0 24.01	+ 1 21.1	2.722	1.724	0.7	21.4	1 E	—	—
4 6	0 49.36	+ 3 57.6	2.692	1.694	2.0	21.4	3 W	—	—
4 16	1 15.38	+ 6 33.4	2.661	1.667	3.7	21.5	6 W	—	—
4 26	1 42.09	+ 9 5.8	2.631	1.644	5.4	21.5	9 W	—	3*
5 6	2 9.52	+11 31.8	2.602	1.625	7.0	21.6	11 W	—	5*

339233 2004 UG

3 27	0 50.07	− 6 9.2	4.379	3.405	3.2	21.5	11 E	—	4*
4 6	1 0.84	− 4 27.9	4.359	3.381	3.2	21.5	11 E	—	—
4 16	1 11.73	− 2 48.9	4.320	3.356	4.2	21.5	14 W	—	5*
4 26	1 22.66	− 1 12.4	4.263	3.330	5.7	21.5	19 W	—	12*
5 6	1 33.59	+ 0 21.5	4.189	3.303	7.4	21.5	25 W	—	18*

474634 2004 UY

3 27	0 57.23	+12 18.6	2.921	1.962	6.6	21.5	13 E	7*	—
4 6	1 20.28	+13 9.8	2.905	1.922	4.4	21.3	9 E	2*	—
4 16	1 43.99	+13 57.3	2.882	1.883	2.3	21.1	4 E	—	—
4 26	2 8.37	+14 38.7	2.851	1.846	1.0	21.0	2 W	—	—
5 6	2 33.44	+15 11.9	2.814	1.810	2.5	21.0	5 W	—	—
5 16	2 59.21	+15 34.6	2.771	1.776	4.7	21.1	8 W	—	2*
5 26	3 25.62	+15 44.5	2.723	1.745	6.9	21.1	12 W	—	6*
6 5	3 52.65	+15 39.3	2.672	1.716	9.1	21.1	16 W	—	10*
6 15	4 20.21	+15 17.3	2.619	1.691	11.3	21.1	19 W	—	13*
6 25	4 48.19	+14 36.7	2.564	1.668	13.3	21.1	22 W	—	16*
7 5	5 16.47	+13 36.3	2.510	1.649	15.3	21.1	25 W	2*	19*
7 15	5 44.90	+12 15.5	2.456	1.634	17.2	21.1	28 W	5*	22*
7 25	6 13.31	+10 34.1	2.404	1.623	18.9	21.1	31 W	7*	24*
8 4	6 41.55	+ 8 33.1	2.356	1.615	20.5	21.1	34 W	10*	27*
8 14	7 9.48	+ 6 13.6	2.310	1.612	21.9	21.1	36 W	13*	29*
8 24	7 36.94	+ 3 38.0	2.269	1.613	23.2	21.1	39 W	15*	31*
9 3	8 3.84	+ 0 49.0	2.232	1.619	24.3	21.1	41 W	18*	33*
9 13	8 30.08	− 2 10.5	2.198	1.628	25.3	21.1	44 W	20*	35*
9 23	8 55.57	− 5 17.0	2.167	1.642	26.2	21.1	46 W	21*	37*
10 3	9 20.28	− 8 27.1	2.139	1.659	27.0	21.2	49 W	23*	40*
10 13	9 44.15	−11 37.8	2.111	1.680	27.6	21.2	51 W	23*	42*
10 23	10 7.11	−14 46.0	2.083	1.705	28.3	21.2	54 W	24*	45*
11 2	10 29.13	−17 49.3	2.054	1.732	28.8	21.2	57 W	23*	48*
11 12	10 50.11	−20 45.4	2.022	1.762	29.3	21.2	61 W	23*	52*
11 22	11 9.96	−23 32.3	1.986	1.795	29.7	21.3	64 W	21*	56*
12 2	11 28.54	−26 8.6	1.945	1.829	30.1	21.3	68 W	19*	61*
12 12	11 45.65	−28 32.7	1.898	1.866	30.3	21.3	73 W	16	66*
12 22	12 1.04	−30 43.1	1.846	1.904	30.4	21.2	78 W	14	72*
1 1	12 14.43	−32 38.1	1.788	1.944	30.2	21.2	84 W	12	78*
1 11	12 25.41	−34 15.6	1.725	1.984	29.7	21.2	90 W	11	81*
1 21	12 33.60	−35 32.6	1.659	2.026	28.8	21.1	97 W	9	80

290772 2005 VC

3 27	2 5.60	+12 38.2	2.481	1.660	16.0	21.4	27 E	19*	12*
4 6	2 28.55	+14 20.8	2.444	1.575	14.6	21.2	23 E	15*	10*
4 16	2 53.53	+16 1.9	2.394	1.489	13.2	21.0	20 E	11*	8*
4 26	3 20.80	+17 38.2	2.335	1.401	11.9	20.8	17 E	8*	6*
5 6	3 50.65	+19 5.8	2.267	1.313	10.9	20.6	14 E	5*	5*
5 16	4 23.40	+20 19.5	2.193	1.225	10.2	20.3	12 E	3*	4*
5 21	4 40.93	+20 49.2	2.155	1.182	10.1	20.2	12 E	2*	4*
5 26	4 59.28	+21 12.8	2.116	1.140	10.0	20.1	11 E	1*	4*
5 31	5 18.46	+21 29.4	2.077	1.098	10.1	19.9	11 E	1*	4*
6 5	5 38.47	+21 37.9	2.037	1.058	10.4	19.8	11 E	—	4*
6 10	5 59.30	+21 37.2	1.999	1.020	10.9	19.7	11 E	—	4*
6 15	6 20.93	+21 26.1	1.961	0.984	11.6	19.6	11 E	—	5*
6 20	6 43.29	+21 3.6	1.924	0.951	12.5	19.6	12 E	—	5*
6 25	7 6.32	+20 29.0	1.888	0.921	13.6	19.5	12 E	—	6*
6 30	7 29.91	+19 41.4	1.855	0.895	15.0	19.4	13 E	—	7*
7 5	7 53.98	+18 40.7	1.824	0.874	16.5	19.4	14 E	—	8*
7 15	8 43.00	+16 0.0	1.771	0.848	20.0	19.4	17 E	—	10*
7 25	9 32.32	+12 32.3	1.733	0.846	23.6	19.4	19 E	—	13*
8 4	10 21.00	+ 8 29.5	1.714	0.868	26.5	19.6	22 E	1*	16*

290772 2005 *VC* *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
8 9	10 44.88	+ 6 19.8	1.712	0.887	27.7	19.6	24 E	2*	18*
8 14	11 8.35	+ 4 7.5	1.716	0.912	28.5	19.7	25 E	2*	19*
8 19	11 31.38	+ 1 54.6	1.726	0.940	29.0	19.8	27 E	3*	21*
8 24	11 53.90	− 0 16.7	1.742	0.972	29.2	19.9	28 E	4*	22*
8 29	12 15.92	− 2 24.7	1.763	1.007	29.1	20.0	29 E	4*	23*
9 3	12 37.41	− 4 28.0	1.790	1.044	28.8	20.1	30 E	5*	24*
9 8	12 58.36	− 6 25.5	1.821	1.084	28.3	20.2	31 E	5*	25*
9 13	13 18.78	− 8 16.0	1.858	1.125	27.6	20.3	31 E	5*	25*
9 23	13 57.98	−11 34.2	1.944	1.210	25.8	20.5	32 E	6*	26*
10 3	14 35.08	−14 20.1	2.045	1.297	23.6	20.7	31 E	7*	25*
10 13	15 10.18	−16 34.3	2.155	1.386	21.2	20.9	30 E	7*	24*
10 23	15 43.36	−18 18.6	2.272	1.473	18.7	21.1	28 E	7*	22*
11 2	16 14.76	−19 35.9	2.391	1.560	16.1	21.2	26 E	7*	19*
11 12	16 44.48	−20 29.0	2.511	1.645	13.5	21.4	23 E	7*	16*
11 22	17 12.63	−21 0.9	2.627	1.728	11.0	21.5	19 E	6*	12*

155140 2005 *UD*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	2 17.85	+29 28.3	2.328	1.665	21.8	21.4	38 E	32*	5*
4 6	2 35.41	+30 27.9	2.307	1.566	20.4	21.2	33 E	27*	3*
4 16	2 54.94	+31 31.5	2.261	1.456	19.0	21.0	28 E	22*	—
4 26	3 16.79	+32 36.0	2.190	1.335	17.8	20.7	24 E	18*	—
5 6	3 41.52	+33 37.3	2.094	1.202	17.1	20.3	20 E	14*	—
5 11	3 55.22	+34 4.8	2.036	1.130	16.9	20.1	19 E	13*	—
5 16	4 9.98	+34 28.6	1.970	1.053	17.0	19.9	18 E	11*	—
5 21	4 25.96	+34 47.1	1.898	0.972	17.3	19.6	17 E	10*	—
5 26	4 43.36	+34 57.8	1.818	0.885	17.9	19.4	16 E	9*	—
5 31	5 2.42	+34 57.1	1.730	0.792	19.0	19.1	15 E	9*	—
6 5	5 23.39	+34 39.5	1.632	0.692	20.7	18.7	14 E	8*	—
6 7	5 32.38	+34 26.0	1.590	0.650	21.7	18.5	14 E	8*	—
6 9	5 41.74	+34 7.6	1.546	0.606	22.9	18.3	13 E	7*	—
6 11	5 51.47	+33 43.5	1.500	0.560	24.3	18.2	13 E	7*	—
6 13	6 1.57	+33 12.2	1.451	0.513	26.1	17.9	13 E	7*	—
6 15	6 12.03	+32 32.2	1.399	0.464	28.5	17.7	13 E	7*	—
6 17	6 22.79	+31 41.3	1.344	0.413	31.8	17.5	12 E	6*	—
6 19	6 33.71	+30 36.3	1.284	0.360	36.3	17.2	12 E	6*	—
6 21	6 44.50	+29 13.0	1.218	0.306	43.1	16.9	12 E	5*	—
6 23	6 54.48	+27 25.2	1.145	0.253	53.7	16.7	12 E	4*	2*
6 25	7 2.02	+25 5.5	1.063	0.203	71.3	16.6	11 E	2*	3*
6 26	7 3.88	+23 42.3	1.019	0.183	84.1	16.7	10 E	1*	3*
6 27	7 3.66	+22 11.9	0.975	0.169	99.6	17.1	9 E	—	3*
6 28	7 0.82	+20 38.9	0.933	0.163	116.9	17.9	8 E	—	2*
6 29	6 55.33	+19 10.3	0.896	0.167	132.8	19.3	7 E	—	1*
6 30	6 47.81	+17 52.3	0.868	0.179	143.3	20.7	6 E	—	—
7 1	6 39.21	+16 48.0	0.847	0.198	145.5	21.2	6 W	—	—
7 2	6 30.35	+15 57.2	0.835	0.221	141.5	20.8	8 W	—	—
7 3	6 21.75	+15 18.1	0.827	0.246	135.0	20.2	10 W	—	3*
7 4	6 13.69	+14 48.7	0.825	0.273	128.4	19.7	12 W	—	6*
7 5	6 6.27	+14 27.0	0.825	0.300	122.1	19.4	14 W	—	8*
7 6	5 59.51	+14 11.4	0.827	0.327	116.6	19.2	17 W	—	11*
7 7	5 53.40	+14 0.6	0.832	0.354	111.6	19.0	19 W	—	13*
7 8	5 47.87	+13 53.8	0.837	0.381	107.2	18.9	21 W	—	15*
7 9	5 42.89	+13 50.1	0.843	0.407	103.3	18.9	23 W	1*	17*
7 10	5 38.39	+13 48.9	0.849	0.433	99.8	18.8	25 W	3*	18*
7 11	5 34.32	+13 49.8	0.856	0.458	96.6	18.8	27 W	4*	20*
7 12	5 30.64	+13 52.4	0.863	0.483	93.8	18.8	28 W	6*	21*
7 13	5 27.31	+13 56.3	0.870	0.507	91.2	18.9	30 W	7*	23*
7 14	5 24.28	+14 1.3	0.877	0.531	88.9	18.9	32 W	9*	24*
7 15	5 21.52	+14 7.2	0.884	0.555	86.7	18.9	33 W	10*	25*
7 17	5 16.71	+14 21.3	0.897	0.600	83.0	19.0	36 W	13*	27*
7 19	5 12.66	+14 37.5	0.909	0.644	79.7	19.0	39 W	15*	29*
7 21	5 9.23	+14 55.1	0.920	0.687	76.9	19.1	41 W	18*	31*
7 23	5 6.28	+15 13.7	0.929	0.728	74.5	19.2	44 W	21*	33*
7 25	5 3.71	+15 33.0	0.938	0.768	72.3	19.2	46 W	23*	34*
7 30	4 58.48	+16 22.9	0.953	0.863	67.8	19.4	52 W	29*	37*
8 4	4 54.22	+17 13.8	0.961	0.951	64.1	19.5	57 W	35*	39*
8 9	4 50.30	+18 4.8	0.961	1.033	61.0	19.6	63 W	41*	41*
8 14	4 46.23	+18 55.6	0.956	1.111	58.1	19.6	69 W	46*	42*
8 19	4 41.63	+19 45.9	0.945	1.184	55.4	19.7	74 W	52*	43*
8 24	4 36.18	+20 35.8	0.930	1.254	52.6	19.7	80 W	57*	43*
8 29	4 29.58	+21 24.8	0.912	1.320	49.8	19.7	87 W	62*	43*
9 3	4 21.53	+22 12.4	0.892	1.382	46.8	19.6	93 W	66*	42
9 8	4 11.73	+22 57.5	0.870	1.442	43.5	19.6	100 W	68*	41
9 13	3 59.96	+23 38.5	0.849	1.498	39.8	19.5	107 W	69	40
9 18	3 46.07	+24 13.0	0.830	1.552	35.8	19.4	115 W	69	40
9 23	3 30.04	+24 38.2	0.815	1.604	31.4	19.3	123 W	70	39
9 28	3 12.04	+24 51.0	0.805	1.653	26.7	19.2	132 W	70	39
10 3	2 52.48	+24 48.4	0.802	1.700	21.7	19.1	141 W	70	39
10 8	2 31.99	+24 28.5	0.807	1.745	16.7	19.0	150 W	69	40

155140 2005 *UD* *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
10 13	2 11.40	+23 51.8	0.822	1.788	11.8	19.0	158 W	69	40
10 18	1 51.57	+23 0.5	0.848	1.830	7.8	18.9	166 W	68	41
10 23	1 33.21	+21 58.9	0.883	1.869	6.0	19.0	169 E	67	42
10 28	1 16.81	+20 51.8	0.928	1.906	7.6	19.2	165 E	66	43
11 2	1 2.64	+19 43.8	0.983	1.942	10.6	19.5	159 E	65	44
11 7	0 50.77	+18 38.6	1.046	1.976	13.7	19.8	152 E	64	45
11 12	0 41.12	+17 39.0	1.116	2.008	16.4	20.0	145 E	63	46
11 17	0 33.50	+16 46.6	1.192	2.039	18.8	20.3	138 E	62	47
11 22	0 27.71	+16 1.9	1.273	2.069	20.8	20.5	132 E	61	48
11 27	0 23.51	+15 25.1	1.359	2.097	22.4	20.7	126 E	60	49
12 2	0 20.70	+14 55.9	1.447	2.123	23.6	21.0	120 E	60	49
12 7	0 19.11	+14 33.8	1.539	2.148	24.6	21.1	115 E	60	49
12 12	0 18.56	+14 18.5	1.632	2.172	25.3	21.3	110 E	59	50*
12 17	0 18.91	+14 9.2	1.726	2.194	25.7	21.5	105 E	59	49*

339715 2005 SS_4

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	3 6.58	+28 32.2	1.201	0.893	54.6	21.2	47 E	40*	14*
4 1	3 15.71	+28 43.0	1.152	0.817	58.0	21.1	44 E	37*	13*
4 6	3 24.83	+28 46.3	1.094	0.739	62.7	20.9	41 E	34*	12*
4 11	3 33.41	+28 36.9	1.025	0.658	69.2	20.7	38 E	31*	11*
4 16	3 40.41	+28 5.9	0.946	0.577	78.3	20.5	34 E	28*	10*
4 21	3 43.84	+26 56.9	0.857	0.499	91.8	20.5	30 E	23*	9*
4 26	3 40.17	+24 40.7	0.764	0.429	112.0	21.0	23 E	16*	7*

4581 Asclepius

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	4 40.87	+19 16.8	0.292	0.914	98.0	21.4	65 E	50*	36*
3 29	4 58.94	+20 18.4	0.287	0.927	95.9	21.3	67 E	52*	36*
3 31	5 17.53	+21 14.2	0.284	0.940	93.6	21.2	70 E	54*	37*
4 2	5 36.51	+22 3.0	0.282	0.953	91.3	21.1	72 E	56*	38*
4 4	5 55.73	+22 44.0	0.281	0.966	88.8	21.0	75 E	58*	38*
4 6	6 15.00	+23 16.2	0.282	0.978	86.4	20.9	77 E	60*	39*
4 8	6 34.14	+23 39.5	0.284	0.991	83.9	20.9	80 E	61*	39*
4 10	6 52.97	+23 53.7	0.287	1.003	81.5	20.8	82 E	62*	39*
4 12	7 11.33	+23 59.3	0.292	1.015	79.1	20.8	84 E	63*	40*
4 14	7 29.10	+23 56.8	0.298	1.028	76.9	20.8	86 E	64*	40*
4 16	7 46.16	+23 47.1	0.305	1.040	74.7	20.8	88 E	65*	40
4 18	8 2.45	+23 31.0	0.313	1.052	72.7	20.8	90 E	65*	40
4 20	8 17.92	+23 9.6	0.322	1.063	70.8	20.9	92 E	65*	41
4 22	8 32.57	+22 43.8	0.331	1.075	69.1	20.9	93 E	65*	41
4 24	8 46.40	+22 14.4	0.342	1.086	67.4	20.9	94 E	65*	42
4 26	8 59.43	+21 42.2	0.353	1.097	65.9	21.0	95 E	65*	42
4 28	9 11.70	+21 7.8	0.365	1.108	64.5	21.0	96 E	64*	43
4 30	9 23.26	+20 31.9	0.378	1.119	63.3	21.1	97 E	64*	43
5 2	9 34.15	+19 54.9	0.391	1.130	62.1	21.1	98 E	63*	44
5 4	9 44.43	+19 17.1	0.405	1.140	61.0	21.2	98 E	63*	45
5 6	9 54.14	+18 38.9	0.419	1.150	60.1	21.3	99 E	62*	45
5 11	10 16.25	+17 2.7	0.456	1.175	58.0	21.4	100 E	60*	47
5 16	10 35.81	+15 27.1	0.496	1.198	56.3	21.6	100 E	58*	49
5 21	10 53.34	+13 53.4	0.537	1.220	54.9	21.8	99 E	56*	50
5 26	11 9.28	+12 22.0	0.579	1.241	53.8	21.9	99 E	54*	52

487496 2014 SE_{288}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 10.91	− 0 47.9	6.400	7.379	1.6	23.3	168 W	44	65
4 6	13 7.01	− 0 19.3	6.381	7.376	0.9	23.2	174 W	45	64
4 16	13 3.06	+ 0 7.8	6.392	7.373	1.8	23.3	167 E	45	64
4 26	12 59.29	+ 0 31.8	6.434	7.370	3.1	23.4	157 E	46	63
5 6	12 55.91	+ 0 51.8	6.504	7.367	4.3	23.5	147 E	46	63

439953 2001 TV_{54}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 11.62	− 9 28.2	1.926	2.905	4.8	22.5	166 W	36	73
4 1	13 7.16	− 8 55.8	1.907	2.900	2.7	22.4	172 W	36	73
4 6	13 2.53	− 8 21.5	1.895	2.895	0.7	22.2	178 W	37	72
4 11	12 57.86	− 7 46.3	1.890	2.890	1.7	22.3	175 E	37	72
4 16	12 53.27	− 7 11.0	1.893	2.884	3.8	22.4	169 E	38	71
4 21	12 48.88	− 6 36.4	1.903	2.879	5.9	22.6	163 E	38	71
4 26	12 44.80	− 6 3.3	1.920	2.873	7.9	22.7	157 E	39	70

518646 2008 QD_1

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 14.37	+ 2 10.8	1.789	2.769	4.9	22.9	166 W	47	62
4 1	13 9.27	+ 2 42.7	1.761	2.751	3.6	22.8	170 W	48	61
4 6	13 3.91	+ 3 13.7	1.741	2.733	3.5	22.7	170 W	48	61
4 11	12 58.41	+ 3 43.0	1.728	2.714	4.7	22.8	167 E	49	60
4 16	12 52.93	+ 4 9.5	1.722	2.695	6.5	22.8	162 E	49	60
4 21	12 47.60	+ 4 32.6	1.723	2.675	8.6	22.9	157 E	50	59
4 26	12 42.56	+ 4 51.5	1.731	2.656	10.6	23.0	151 E	50	59

30786 Karkoschka

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 17.05	+ 0 11.2	2.796	3.772	3.6	22.6	166 W	45	64
4 6	13 9.38	+ 1 11.4	2.769	3.763	2.1	22.4	172 W	46	63
4 16	13 1.54	+ 2 7.4	2.774	3.753	3.9	22.6	165 E	47	62
4 26	12 54.16	+ 2 55.0	2.809	3.742	6.7	22.7	154 E	48	61
5 6	12 47.77	+ 3 31.3	2.871	3.730	9.3	22.9	143 E	49	60

540205 2017 RS_{17}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 27	13 18.27	+35 11.4	5.527	6.325	5.8	22.7	140 W	80	29
4 6	13 13.35	+35 50.9	5.579	6.355	6.1	22.7	138 W	81	28
4 16	13 8.37	+36 16.7	5.656	6.385	6.6	22.8	133 E	81	28
4 26	13 3.69	+36 28.4	5.753	6.415	7.2	22.9	127 E	81	28
5 6	12 59.57	+36 26.6	5.869	6.445	7.7	22.9	121 E	81	28

498344 2007 VX_{258}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 18.80	+ 5 6.8	2.948	3.917	4.0	23.6	164 W	50	59
4 6	13 11.16	+ 5 54.7	2.906	3.888	3.2	23.5	167 W	51	58
4 16	13 3.23	+ 6 35.7	2.894	3.859	4.7	23.5	161 E	52	57
4 26	12 55.63	+ 7 6.5	2.913	3.829	7.1	23.7	152 E	52	57
5 6	12 48.91	+ 7 24.8	2.957	3.798	9.5	23.8	141 E	52	57

506437 2000 WL_{10}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 21.07	−19 3.0	4.059	4.999	4.3	24.9	158 W	26	83
4 6	13 14.17	−18 25.5	3.992	4.974	2.5	24.8	167 W	27	82
4 16	13 7.03	−17 40.7	3.957	4.948	2.1	24.7	170 E	27	82
4 26	13 0.11	−16 51.2	3.954	4.921	3.6	24.8	162 E	28	81
5 6	12 53.82	−16 0.1	3.981	4.893	5.6	24.9	152 E	29	80

455376 2002 UE_{17}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 24.27	+ 0 56.4	2.506	3.478	4.5	22.4	164 W	46	63
4 6	13 15.84	+ 1 40.8	2.497	3.488	2.6	22.3	171 W	47	62
4 16	13 7.24	+ 2 19.5	2.517	3.499	4.1	22.4	166 E	47	62
4 26	12 59.20	+ 2 48.7	2.568	3.508	6.9	22.6	155 E	48	61
5 6	12 52.31	+ 3 6.1	2.645	3.516	9.6	22.8	145 E	48	61

85640 1998 OX_4

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 24.82	−18 28.3	0.948	1.910	11.3	23.1	158 W	27	82
4 1	13 15.94	−17 43.9	0.954	1.935	8.1	23.0	164 W	27	82
4 6	13 7.06	−16 53.7	0.966	1.958	5.5	22.9	169 W	28	81
4 11	12 58.48	−15 59.6	0.985	1.981	4.6	23.0	171 E	29	80
4 16	12 50.48	−15 3.8	1.011	2.003	6.1	23.1	168 E	30	79
4 21	12 43.29	−14 8.4	1.044	2.025	8.6	23.3	162 E	31	78
4 26	12 37.06	−13 15.6	1.083	2.046	11.3	23.5	157 E	32	77

458732 2011 MD_5

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 25.31	− 2 3.5	2.738	3.709	4.1	23.3	164 W	43	66
4 6	13 16.88	− 0 56.6	2.739	3.734	1.9	23.2	173 W	44	65
4 16	13 8.36	+ 0 6.3	2.771	3.758	3.3	23.3	168 E	45	64
4 26	13 0.42	+ 1 0.8	2.834	3.780	6.0	23.5	157 E	46	63
5 6	12 53.58	+ 1 44.1	2.926	3.801	8.6	23.7	146 E	47	62

483720 2005 TG_{66}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 25.57	−15 37.1	1.871	2.828	7.0	22.5	160 W	29	80
4 6	13 15.80	−14 53.1	1.851	2.843	3.3	22.3	171 W	30	79
4 16	13 5.79	−13 59.4	1.860	2.856	3.0	22.3	172 E	31	78
4 26	12 56.56	−13 2.3	1.898	2.869	6.5	22.6	161 E	32	77
5 6	12 48.95	−12 8.2	1.963	2.881	10.1	22.8	150 E	33	76

385268 2001 RC_{12}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 25.72	−14 9.5	4.061	5.013	3.8	22.6	161 W	31	78
4 6	13 19.32	−13 15.0	4.040	5.032	1.7	22.5	172 W	32	77
4 16	13 12.80	−12 16.7	4.051	5.050	1.2	22.4	174 E	33	76
4 26	13 6.59	−11 17.8	4.095	5.068	3.2	22.6	164 E	34	75
5 6	13 1.05	−10 21.2	4.169	5.085	5.3	22.8	152 E	35	74

422787 2001 WS_1

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 25.83	−15 22.5	3.025	3.976	5.0	22.4	160 W	30	79
4 6	13 17.12	−14 52.0	2.964	3.954	2.4	22.2	170 W	30	79
4 16	13 8.00	−14 14.2	2.935	3.931	2.1	22.2	172 E	31	78
4 26	12 59.15	−13 32.4	2.938	3.907	4.6	22.3	162 E	31	78
5 6	12 51.15	−12 50.3	2.971	3.881	7.3	22.4	151 E	32	77

253069 2002 TG_{110}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 26.06	+ 1 6.7	2.304	3.274	4.9	22.7	164 W	46	63
4 6	13 17.25	+ 1 49.6	2.266	3.257	2.8	22.5	171 W	47	62
4 16	13 8.02	+ 2 27.2	2.258	3.240	4.4	22.6	166 E	47	62
4 26	12 59.20	+ 2 55.0	2.280	3.222	7.5	22.8	155 E	48	61
5 6	12 51.49	+ 3 10.1	2.328	3.203	10.6	22.9	144 E	48	61

439928 2001 RH_{12}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 26.96	−10 8.7	2.029	2.995	5.8	22.8	162 W	35	74
4 6	13 17.72	− 9 20.8	1.991	2.989	1.8	22.5	175 W	36	73
4 16	13 8.02	− 8 28.2	1.983	2.981	2.4	22.5	173 E	37	72
4 26	12 58.84	− 7 36.5	2.004	2.973	6.4	22.8	161 E	37	72
5 6	12 50.99	− 6 51.1	2.053	2.964	10.1	23.0	149 E	38	71

489930 2008 RP_{24}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 27	13 29.56	− 3 47.6	2.346	3.315	5.0	22.6	163 W	41	68
4 6	13 20.98	− 2 41.3	2.329	3.325	2.0	22.4	174 W	42	67
4 16	13 12.14	− 1 37.3	2.342	3.334	3.1	22.5	170 E	43	66
4 26	13 3.80	− 0 40.7	2.385	3.342	6.3	22.7	159 E	44	65
5 6	12 56.62	+ 0 4.5	2.456	3.348	9.4	22.9	147 E	45	64

399488 2002 TA_{46}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 30.20	− 8 17.0	2.590	3.553	4.9	22.4	162 W	37	72
4 6	13 21.72	− 7 42.0	2.557	3.554	1.6	22.2	174 W	37	72
4 16	13 12.90	− 7 4.9	2.555	3.554	1.8	22.2	174 E	38	71
4 26	13 4.44	− 6 29.6	2.583	3.553	5.1	22.4	162 E	39	70
5 6	12 57.00	− 5 59.7	2.641	3.550	8.2	22.6	150 E	39	70

323089 2002 VT_{20}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 31.10	−17 59.2	2.241	3.184	7.0	22.4	157 W	27	82
4 6	13 22.08	−17 21.3	2.227	3.212	3.8	22.2	168 W	28	81
4 16	13 12.82	−16 33.5	2.243	3.238	2.7	22.2	171 E	28	81
4 26	13 4.19	−15 40.8	2.288	3.264	5.2	22.4	163 E	29	80
5 6	12 56.89	−14 48.5	2.362	3.289	8.2	22.6	152 E	30	79

529050 2009 PY_2

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 34.03	+32 58.6	2.829	3.656	9.9	22.8	141 W	78	31
4 1	13 29.63	+33 30.0	2.819	3.645	10.1	22.8	140 W	78	31
4 6	13 25.01	+33 55.7	2.816	3.633	10.4	22.8	139 W	79	30
4 11	13 20.27	+34 15.0	2.819	3.622	10.8	22.8	138 W	79	30
4 16	13 15.51	+34 27.7	2.827	3.610	11.3	22.8	135 E	79	30
4 21	13 10.83	+34 33.5	2.841	3.597	11.9	22.9	133 E	80	29
4 26	13 6.34	+34 32.4	2.860	3.585	12.5	22.9	129 E	80	29
5 1	13 2.12	+34 24.7	2.884	3.572	13.2	22.9	126 E	79	30

477719 2010 SG_{15}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 34.95	− 9 31.3	2.108	3.067	6.1	29.7	161 W	35	74
4 6	13 25.08	− 8 31.4	2.073	3.069	2.2	29.5	173 W	36	73
4 16	13 14.71	− 7 27.5	2.070	3.070	1.9	29.4	174 E	38	71
4 26	13 4.81	− 6 25.7	2.097	3.069	5.9	29.7	162 E	39	70
5 6	12 56.19	− 5 31.3	2.153	3.067	9.6	29.9	150 E	39	70

543319 2013 YE_{38}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 35.90	+40 4.9	2.583	3.357	12.3	25.5	134 W	85	24
4 1	13 29.66	+40 33.5	2.588	3.357	12.4	25.5	134 W	86	23
4 6	13 23.20	+40 54.0	2.599	3.356	12.7	25.6	132 W	86	23
4 11	13 16.66	+41 6.0	2.615	3.355	13.1	25.6	131 E	86	23
4 16	13 10.19	+41 9.4	2.636	3.354	13.5	25.6	128 E	86	23
4 21	13 3.93	+41 4.2	2.663	3.352	14.1	25.7	126 E	86	23
4 26	12 58.02	+40 50.9	2.694	3.350	14.6	25.7	123 E	86	23

523823 2015 BG_{311}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 36.24	−14 54.7	2.887	3.831	5.6	24.0	158 W	30	79
4 6	13 28.21	−14 7.6	2.822	3.810	2.7	23.7	169 W	31	78
4 16	13 19.64	−13 12.9	2.787	3.788	1.4	23.6	175 E	32	77
4 26	13 11.20	−12 14.5	2.784	3.765	4.0	23.8	165 E	33	76
5 6	13 3.51	−11 16.7	2.812	3.740	7.0	23.9	153 E	34	75

162740 2000 WF_6

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 38.06	−57 29.6	2.400	3.061	15.9	23.6	123 W	—	59
4 1	13 30.90	−57 19.0	2.382	3.080	15.2	23.6	126 W	—	59
4 6	13 23.47	−56 58.7	2.368	3.099	14.5	23.5	129 W	—	59
4 11	13 16.00	−56 28.4	2.359	3.117	13.9	23.5	132 E	—	60
4 16	13 8.72	−55 48.6	2.355	3.136	13.3	23.5	134 E	—	60
4 21	13 1.85	−54 59.8	2.357	3.153	12.9	23.5	136 E	—	61
4 26	12 55.57	−54 3.1	2.364	3.171	12.6	23.5	137 E	—	62

474474 2003 SJ_{215}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 38.42	−19 55.6	1.658	2.595	9.5	23.2	155 W	25	84
4 1	13 33.07	−19 28.4	1.651	2.614	7.4	23.1	160 W	26	83
4 6	13 27.49	−18 56.8	1.651	2.632	5.4	23.0	166 W	26	83
4 11	13 21.85	−18 21.5	1.658	2.651	3.8	23.0	170 W	27	82
4 16	13 16.30	−17 43.5	1.673	2.668	3.4	23.0	171 E	27	82
4 21	13 10.99	−17 4.0	1.695	2.686	4.4	23.1	168 E	28	81
4 26	13 6.06	−16 23.9	1.723	2.703	6.1	23.2	163 E	29	80
5 1	13 1.61	−15 44.4	1.759	2.720	8.0	23.4	158 E	29	80

438889 2009 SA_{313}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 42.63	− 6 39.0	1.541	2.501	7.9	22.3	160 W	38	71
4 1	13 38.35	− 6 4.3	1.512	2.492	5.7	22.1	166 W	39	70
4 6	13 33.67	− 5 27.7	1.489	2.483	3.4	22.0	171 W	40	69
4 11	13 28.70	− 4 50.3	1.473	2.473	1.8	21.8	176 W	40	69
4 16	13 23.61	− 4 13.1	1.464	2.464	2.7	21.9	173 E	41	68
4 21	13 18.55	− 3 37.1	1.462	2.454	4.9	22.0	168 E	41	68
4 26	13 13.68	− 3 3.4	1.467	2.444	7.3	22.1	162 E	42	67
5 1	13 9.13	− 2 32.9	1.478	2.433	9.7	22.2	156 E	42	67

438889 2009 SA_{313} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
5 6	13 5.02	− 2 6.3	1.496	2.423	12.0	22.3	150 E	43	66
5 11	13 1.45	− 1 44.1	1.518	2.412	14.1	22.4	144 E	43	66

450203 2002 NA_{31}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 45.02	+25 27.9	1.161	2.063	15.8	22.6	146 W	70	39
4 1	13 39.38	+26 45.9	1.150	2.054	15.9	22.5	146 W	72	37
4 6	13 33.15	+27 54.2	1.144	2.045	16.4	22.5	145 W	73	36
4 11	13 26.55	+28 50.9	1.144	2.035	17.3	22.5	143 W	74	35
4 16	13 19.82	+29 34.4	1.149	2.025	18.5	22.6	140 E	75	34
4 21	13 13.20	+30 3.9	1.159	2.014	19.9	22.6	137 E	75	34
4 26	13 6.92	+30 19.2	1.173	2.003	21.4	22.7	133 E	75	34
5 1	13 1.20	+30 20.8	1.191	1.991	22.9	22.8	130 E	75	34

416591 2004 LC_{2}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 46.12	+ 4 26.1	2.279	3.226	6.6	23.3	158 W	49	60
4 1	13 40.72	+ 5 3.5	2.257	3.223	5.4	23.2	162 W	50	59
4 6	13 35.03	+ 5 39.5	2.242	3.220	4.6	23.2	165 W	51	58
4 11	13 29.16	+ 6 13.4	2.236	3.215	4.5	23.2	165 W	51	58
4 16	13 23.23	+ 6 44.4	2.238	3.211	5.3	23.2	163 E	52	57
4 21	13 17.36	+ 7 11.8	2.247	3.205	6.5	23.3	159 E	52	57
4 26	13 11.66	+ 7 35.2	2.265	3.200	7.9	23.4	154 E	53	56
5 1	13 6.25	+ 7 54.0	2.289	3.193	9.4	23.4	149 E	53	56

529465 2010 AZ_{60}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 46.20	+ 0 32.4	4.643	5.586	3.7	23.4	159 W	46	63
4 6	13 41.24	+ 1 13.2	4.633	5.613	2.3	23.3	167 W	46	63
4 16	13 36.03	+ 1 51.0	4.653	5.639	2.1	23.3	168 E	47	62
4 26	13 30.90	+ 2 23.8	4.704	5.665	3.3	23.5	161 E	47	62
5 6	13 26.15	+ 2 50.0	4.784	5.690	4.9	23.6	151 E	48	61

523587 1999 VQ_{11}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 47.36	−10 31.8	3.527	4.466	4.9	23.9	158 W	34	75
4 6	13 40.22	− 9 58.6	3.473	4.460	2.4	23.7	169 W	35	74
4 16	13 32.59	− 9 22.1	3.451	4.454	0.2	23.5	179 E	36	73
4 26	13 24.99	− 8 45.3	3.460	4.447	2.9	23.7	167 E	36	73
5 6	13 17.91	− 8 10.8	3.500	4.438	5.4	23.9	156 E	37	72

405562 2005 OJ_{3}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 48.51	−14 38.6	3.170	4.100	5.8	24.0	156 W	30	79
4 6	13 41.13	−13 56.4	3.129	4.111	3.1	23.9	167 W	31	78
4 16	13 33.27	−13 8.4	3.118	4.121	0.8	23.7	177 E	32	77
4 26	13 25.52	−12 18.0	3.140	4.130	2.8	23.9	168 E	33	76
5 6	13 18.42	−11 28.7	3.191	4.138	5.5	24.1	157 E	34	75

310404 1999 RL_{1}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 50.26	−16 50.9	2.289	3.216	7.8	22.4	154 W	28	81
4 6	13 41.79	−16 21.7	2.226	3.204	4.5	22.2	166 W	29	80
4 16	13 32.42	−15 42.1	2.192	3.192	1.8	21.9	174 E	29	80
4 26	13 23.01	−14 56.0	2.188	3.178	3.9	22.1	168 E	30	79
5 6	13 14.40	−14 8.0	2.213	3.163	7.3	22.3	156 E	31	78

326317 1999 VN_{23}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 53.63	− 6 12.6	3.090	4.028	5.5	22.0	157 W	39	70
4 6	13 46.47	− 5 34.0	3.028	4.012	2.9	21.8	168 W	39	70
4 16	13 38.65	− 4 54.4	2.996	3.996	1.3	21.7	175 W	40	69
4 26	13 30.73	− 4 16.9	2.995	3.979	3.5	21.8	166 E	41	68
5 6	13 23.30	− 3 44.8	3.024	3.961	6.2	22.0	155 E	41	68
5 16	13 16.84	− 3 20.4	3.081	3.942	8.7	22.1	144 E	42	67

247665 2002 XY_{89}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 53.73	− 5 11.9	2.435	3.377	6.6	21.7	157 W	40	69
4 6	13 46.23	− 4 13.6	2.377	3.363	3.5	21.5	168 W	41	68
4 16	13 37.89	− 3 14.4	2.349	3.348	2.0	21.3	173 W	42	67
4 26	13 29.48	− 2 19.3	2.352	3.332	4.6	21.5	164 E	43	66
5 6	13 21.69	− 1 32.8	2.384	3.316	7.9	21.6	153 E	43	66
5 16	13 15.17	− 0 58.0	2.441	3.298	10.8	21.8	142 E	44	65

339745 2005 SG_{56}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 54.44	− 8 22.1	1.958	2.901	7.9	22.1	156 W	37	72
4 6	13 46.08	− 7 16.6	1.920	2.907	4.0	21.9	168 W	38	71
4 16	13 36.85	− 6 8.0	1.911	2.913	1.3	21.7	176 W	39	70
4 26	13 27.71	− 5 2.7	1.931	2.918	4.8	22.0	166 E	40	69
5 6	13 19.55	− 4 6.4	1.980	2.921	8.6	22.2	154 E	41	68
5 16	13 13.05	− 3 23.4	2.053	2.924	12.0	22.4	143 E	42	67

448120 2008 RF_{80}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 57.13	+22 14.2	2.231	3.110	10.3	21.8	146 W	67	42
4 1	13 52.68	+22 49.5	2.215	3.106	9.9	21.7	148 W	68	41
4 6	13 47.89	+23 19.9	2.206	3.101	9.8	21.7	148 W	68	41
4 11	13 42.87	+23 44.4	2.204	3.096	10.0	21.7	147 W	69	40

448120 2008 RF_{80} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
4 16	13 37.74	+24 2.5	2.208	3.091	10.5	21.7	146 W	69	40
4 21	13 32.62	+24 13.6	2.218	3.085	11.1	21.8	144 E	69	40
4 26	13 27.63	+24 17.6	2.234	3.079	12.0	21.8	141 E	69	40
5 1	13 22.87	+24 14.5	2.257	3.073	12.9	21.9	137 E	69	40
5 6	13 18.45	+24 4.4	2.284	3.067	13.8	21.9	134 E	69	40
5 11	13 14.44	+23 47.8	2.316	3.060	14.7	22.0	130 E	69	40
5 16	13 10.91	+23 25.0	2.353	3.053	15.6	22.0	126 E	68	41

439889 2000 PG_{5}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	13 57.19	−23 58.7	0.990	1.914	15.7	22.3	149 W	21	88
4 1	13 53.13	−24 15.3	0.936	1.885	13.6	22.1	154 W	21	88
4 6	13 48.01	−24 25.5	0.887	1.855	11.4	21.9	158 W	21	88
4 11	13 41.93	−24 28.2	0.844	1.825	9.4	21.7	163 W	21	88
4 16	13 35.03	−24 22.9	0.805	1.795	8.0	21.5	166 E	21	88
4 21	13 27.53	−24 9.0	0.773	1.765	7.9	21.3	166 E	21	88
4 26	13 19.71	−23 46.8	0.746	1.734	9.4	21.3	164 E	21	88
5 1	13 11.87	−23 16.9	0.724	1.704	12.1	21.3	159 E	22	87
5 6	13 4.34	−22 40.4	0.707	1.673	15.3	21.3	154 E	22	87
5 11	12 57.43	−21 59.2	0.695	1.642	18.8	21.3	148 E	23	86
5 16	12 51.44	−21 15.4	0.687	1.612	22.4	21.4	143 E	24	85
5 21	12 46.60	−20 31.3	0.682	1.581	25.9	21.4	137 E	24	85
5 26	12 43.05	−19 49.0	0.681	1.550	29.3	21.5	132 E	25	84

397472 2007 MV_{9}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	14 0.90	−10 51.5	2.158	3.088	8.1	21.6	154 W	34	75
4 6	13 53.08	− 9 58.4	2.095	3.076	4.4	21.3	166 W	35	74
4 16	13 44.18	− 8 59.1	2.060	3.063	0.7	21.0	178 W	36	73
4 26	13 35.06	− 7 58.7	2.055	3.049	3.6	21.2	169 E	37	72
5 6	13 26.58	− 7 2.7	2.079	3.034	7.4	21.4	157 E	38	71
5 16	13 19.46	− 6 15.8	2.130	3.019	10.9	21.6	146 E	39	70

448225 2008 VP_{3}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	14 3.22	− 3 40.3	2.007	2.941	8.3	22.2	155 W	41	68
4 6	13 54.29	− 3 7.5	1.950	2.931	4.8	22.0	166 W	42	67
4 16	13 44.17	− 2 35.8	1.923	2.920	2.6	21.8	172 W	42	67
4 26	13 33.82	− 2 9.9	1.925	2.908	5.1	22.0	165 E	43	66
5 6	13 24.19	− 1 53.9	1.955	2.896	8.8	22.2	154 E	43	66
5 16	13 16.10	− 1 50.3	2.011	2.882	12.2	22.3	143 E	43	66

438955 2010 LN_{14}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	14 4.27	−14 41.0	0.752	1.700	15.9	22.4	152 W	30	79
4 1	13 54.73	−13 59.5	0.725	1.698	11.9	22.2	160 W	31	78
4 6	13 43.97	−13 9.2	0.704	1.694	7.6	21.9	167 W	32	77
4 11	13 32.35	−12 10.9	0.689	1.690	3.2	21.6	175 W	33	76
4 16	13 20.31	−11 6.8	0.682	1.684	2.4	21.6	176 E	34	75
4 21	13 8.34	− 9 59.5	0.681	1.677	6.9	21.8	168 E	35	74
4 26	12 56.92	− 8 52.2	0.686	1.669	11.5	22.0	161 E	36	73
5 1	12 46.46	− 7 47.9	0.698	1.660	16.0	22.2	153 E	37	72
5 6	12 37.24	− 6 48.9	0.715	1.649	20.1	22.4	146 E	38	71

440940 2006 YG_{25}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	14 4.43	− 3 25.7	1.804	2.739	9.0	22.3	155 W	42	67
4 6	13 55.71	− 2 33.3	1.753	2.734	5.3	22.0	165 W	42	67
4 16	13 45.73	− 1 42.0	1.731	2.727	3.2	21.9	171 W	43	66
4 26	13 35.52	− 0 58.2	1.738	2.720	5.7	22.0	164 E	44	65
5 6	13 26.13	− 0 26.8	1.772	2.712	9.5	22.2	154 E	45	64
5 16	13 18.40	− 0 11.1	1.830	2.703	13.2	22.4	142 E	45	64

440254 2004 RV_{68}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	14 5.52	− 6 31.9	2.048	2.978	8.4	21.8	154 W	38	71
4 6	13 57.62	− 5 20.6	2.018	2.997	4.8	21.6	165 W	40	69
4 16	13 48.79	− 4 8.7	2.016	3.015	2.2	21.5	173 W	41	68
4 26	13 39.94	− 3 2.2	2.044	3.032	4.4	21.6	167 E	42	67
5 6	13 31.89	− 2 6.5	2.100	3.048	7.8	21.9	156 E	43	66
5 16	13 25.32	− 1 25.1	2.182	3.063	11.0	22.1	145 E	44	65

301991 2000 PM_{1}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	14 6.37	− 5 27.0	1.942	2.873	8.7	21.6	154 W	40	69
4 6	13 58.09	− 4 41.8	1.868	2.848	5.1	21.4	165 W	40	69
4 16	13 48.38	− 3 54.7	1.823	2.822	2.4	21.1	173 W	41	68
4 26	13 38.17	− 3 11.2	1.806	2.794	4.8	21.2	167 E	42	67
5 6	13 28.47	− 2 36.6	1.818	2.766	8.8	21.4	155 E	42	67
5 16	13 20.18	− 2 15.1	1.855	2.737	12.6	21.6	144 E	43	66

363864 2005 RT_{24}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	14 6.59	− 2 0.6	2.902	3.825	6.5	22.4	154 W	43	66
4 6	13 59.43	− 1 15.0	2.838	3.811	4.1	22.2	164 W	44	65
4 16	13 51.40	− 0 30.8	2.805	3.797	2.7	22.1	170 W	44	65
4 26	13 43.13	+ 0 8.1	2.802	3.781	4.1	22.2	164 E	45	64
5 6	13 35.23	+ 0 38.5	2.829	3.765	6.6	22.3	155 E	46	63
5 16	13 28.25	+ 0 58.1	2.883	3.747	9.2	22.5	144 E	46	63

455236 2001 SG_{149}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 27	14 7.61	−20 10.2	1.932	2.834	10.5	22.1	149 W	25	84
4 6	13 58.92	−19 55.8	1.854	2.816	6.9	21.8	160 W	25	84
4 16	13 48.67	−19 26.3	1.804	2.798	3.5	21.6	170 W	26	83
4 26	13 37.89	−18 44.5	1.782	2.778	3.6	21.5	170 E	26	83
5 6	13 27.68	−17 55.5	1.789	2.758	7.2	21.7	160 E	27	82
5 16	13 19.02	−17 5.5	1.822	2.737	11.1	21.9	149 E	28	81

455394 2002 YP_{15}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	14 8.51	−49 13.0	2.788	3.493	13.0	22.1	128 W	—	67
4 1	14 3.39	−49 32.2	2.754	3.499	12.3	22.1	132 W	—	66
4 6	13 57.77	−49 44.9	2.726	3.504	11.7	22.0	135 W	—	66
4 11	13 51.76	−49 50.7	2.702	3.510	11.1	22.0	138 W	—	66
4 16	13 45.51	−49 49.2	2.685	3.514	10.5	21.9	140 W	—	66
4 21	13 39.18	−49 40.6	2.673	3.519	10.1	21.9	142 E	—	66
4 26	13 32.93	−49 24.9	2.667	3.524	9.9	21.9	143 E	—	67
5 1	13 26.90	−49 2.8	2.668	3.528	9.8	21.9	143 E	—	67
5 6	13 21.24	−48 34.7	2.675	3.532	9.9	21.9	143 E	—	67
5 11	13 16.06	−48 1.5	2.687	3.536	10.2	21.9	142 E	—	68
5 16	13 11.47	−47 24.2	2.706	3.540	10.6	22.0	140 E	—	69

396578 2000 QG_{102}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	14 11.00	− 1 59.9	2.135	3.058	8.5	22.0	153 W	43	66
4 6	14 3.49	− 0 55.6	2.076	3.047	5.5	21.8	163 W	44	65
4 16	13 54.78	+ 0 7.1	2.045	3.036	3.7	21.6	169 W	45	64
4 26	13 45.67	+ 1 2.4	2.044	3.024	5.3	21.7	164 E	46	63
5 6	13 37.05	+ 1 45.3	2.071	3.010	8.4	21.9	154 E	47	62
5 16	13 29.66	+ 2 12.4	2.123	2.996	11.6	22.0	143 E	47	62

447976 2008 CT_{116}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	14 11.03	+17 12.4	2.285	3.168	9.9	21.7	147 W	62	47
4 1	14 7.33	+18 7.3	2.285	3.184	9.3	21.7	149 W	63	46
4 6	14 3.31	+18 58.0	2.292	3.199	8.9	21.7	150 W	64	45
4 11	13 59.09	+19 43.5	2.305	3.214	8.9	21.8	150 W	65	44
4 16	13 54.75	+20 23.0	2.326	3.229	9.1	21.8	149 W	65	44
4 21	13 50.41	+20 56.1	2.353	3.244	9.6	21.8	147 E	66	43
4 26	13 46.17	+21 22.3	2.386	3.258	10.3	21.9	145 E	66	43
5 1	13 42.12	+21 41.8	2.425	3.273	11.1	22.0	141 E	67	42
5 6	13 38.34	+21 54.4	2.470	3.287	11.9	22.1	138 E	67	42
5 11	13 34.90	+22 0.5	2.521	3.301	12.8	22.2	134 E	67	42
5 16	13 31.86	+22 0.4	2.576	3.314	13.6	22.2	130 E	67	42

396853 2004 SG

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	14 11.44	−25 18.3	1.922	2.801	11.7	22.1	145 W	20	89
4 6	14 3.86	−24 2.5	1.833	2.779	8.3	21.8	156 W	21	88
4 16	13 54.71	−22 22.5	1.770	2.756	4.7	21.5	167 W	23	86
4 26	13 45.00	−20 23.1	1.736	2.733	3.6	21.4	170 E	25	84
5 6	13 35.80	−18 12.7	1.732	2.708	6.7	21.6	162 E	27	82
5 16	13 28.09	−16 1.5	1.756	2.683	10.7	21.7	151 E	29	80

426386 2013 PC_{21}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	14 11.68	+ 3 0.9	2.772	3.684	7.2	22.2	152 W	48	61
4 6	14 5.07	+ 4 1.1	2.709	3.668	5.2	22.0	161 W	49	60
4 16	13 57.49	+ 4 56.9	2.675	3.650	4.3	21.9	164 W	50	59
4 26	13 49.56	+ 5 43.5	2.670	3.632	5.5	22.0	160 E	51	58
5 6	13 41.92	+ 6 17.4	2.695	3.613	7.7	22.1	151 E	51	58
5 16	13 35.15	+ 6 36.6	2.745	3.593	10.1	22.2	142 E	52	57

208226 2000 SO_{226}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	14 12.35	− 3 23.4	2.009	2.932	9.0	21.5	153 W	42	67
4 6	14 4.80	− 2 22.8	1.940	2.913	5.7	21.2	163 W	43	66
4 16	13 55.86	− 1 22.1	1.899	2.893	3.4	21.0	170 W	44	65
4 26	13 46.40	− 0 27.3	1.887	2.872	5.1	21.1	165 E	45	64
5 6	13 37.34	+ 0 16.2	1.903	2.850	8.5	21.3	155 E	45	64
5 16	13 29.55	+ 0 44.2	1.944	2.827	12.1	21.4	144 E	46	63

348432 2005 QR_{12}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	14 12.98	−21 19.2	1.437	2.340	13.3	21.4	147 W	24	85
4 6	14 5.11	−21 8.8	1.353	2.312	9.2	21.1	158 W	24	85
4 16	13 54.94	−20 37.9	1.292	2.284	5.0	20.8	168 W	24	85
4 26	13 43.67	−19 48.7	1.257	2.256	4.3	20.6	170 E	25	84
5 6	13 32.80	−18 47.2	1.248	2.227	8.5	20.8	161 E	26	83
5 16	13 23.72	−17 42.3	1.263	2.197	13.4	21.0	150 E	27	82
5 26	13 17.50	−16 43.5	1.299	2.167	17.9	21.2	139 E	28	81
6 5	13 14.65	−15 57.9	1.352	2.137	21.8	21.4	129 E	29	80

421650 2014 OG_{338}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	14 17.36	− 3 0.2	2.636	3.544	7.7	21.8	151 W	42	67
4 6	14 10.57	− 2 4.7	2.568	3.533	5.1	21.6	162 W	43	66
4 16	14 2.71	− 1 9.7	2.530	3.520	3.1	21.5	169 W	44	65
4 26	13 54.42	− 0 19.7	2.522	3.507	4.0	21.5	166 E	45	64
5 6	13 46.38	+ 0 21.3	2.544	3.493	6.6	21.6	157 E	45	64
5 16	13 39.23	+ 0 50.5	2.592	3.478	9.3	21.8	146 E	46	63

411611 2011 QF_{14}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 27	14 17.67	− 8 8.8	1.256	2.182	12.8	21.5	151 W	37	72
4 1	14 11.86	− 7 29.9	1.253	2.209	10.1	21.5	157 W	37	72
4 6	14 5.59	− 6 50.0	1.257	2.235	7.3	21.4	164 W	38	71
4 11	13 59.06	− 6 10.1	1.268	2.260	4.6	21.3	170 W	39	70
4 16	13 52.48	− 5 31.4	1.285	2.286	2.6	21.2	174 W	39	70
4 21	13 46.04	− 4 55.1	1.310	2.310	3.1	21.3	173 E	40	69
4 26	13 39.93	− 4 22.2	1.342	2.335	5.3	21.5	168 E	41	68
5 1	13 34.30	− 3 53.5	1.380	2.358	7.6	21.7	162 E	41	68
5 6	13 29.26	− 3 29.4	1.425	2.382	9.9	21.9	156 E	42	67
5 11	13 24.90	− 3 10.3	1.476	2.405	12.1	22.1	150 E	42	67
5 16	13 21.28	− 2 56.5	1.532	2.427	14.0	22.3	144 E	42	67

363205 2001 US_{151}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	14 17.96	−15 17.0	2.354	3.250	9.1	22.0	149 W	30	79
4 6	14 11.10	−14 35.4	2.265	3.226	5.9	21.8	161 W	30	79
4 16	14 2.87	−13 44.1	2.204	3.201	2.3	21.5	172 W	31	78
4 26	13 54.02	−12 46.6	2.172	3.176	1.5	21.4	175 E	32	77
5 6	13 45.34	−11 47.7	2.170	3.150	5.3	21.6	163 E	33	76
5 16	13 37.63	−10 52.5	2.197	3.123	8.9	21.8	152 E	34	75

480904 2002 RQ_{242}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	14 19.50	−40 57.2	1.958	2.741	15.3	22.4	133 W	4	75
4 1	14 14.13	−41 25.8	1.929	2.750	14.2	22.3	138 W	4	75
4 6	14 8.08	−41 47.1	1.905	2.759	13.1	22.3	141 W	3	74
4 11	14 1.51	−42 0.6	1.887	2.767	12.0	22.2	145 W	3	74
4 16	13 54.58	−42 5.8	1.875	2.775	11.1	22.2	148 W	3	74
4 21	13 47.48	−42 2.5	1.869	2.783	10.5	22.1	150 E	3	74
4 26	13 40.44	−41 51.2	1.870	2.791	10.2	22.1	151 E	3	74
5 1	13 33.64	−41 32.5	1.877	2.798	10.2	22.2	151 E	3	74
5 6	13 27.26	−41 7.1	1.890	2.806	10.6	22.2	149 E	4	75
5 11	13 21.46	−40 36.3	1.910	2.813	11.2	22.2	147 E	4	75
5 16	13 16.35	−40 1.3	1.935	2.819	12.1	22.3	144 E	5	76

499140 2009 RL_{1}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	14 20.41	−19 43.6	1.829	2.718	11.7	22.1	147 W	25	84
4 6	14 13.69	−19 13.6	1.725	2.679	8.1	21.8	158 W	26	83
4 16	14 4.97	−18 26.9	1.647	2.639	4.1	21.5	169 W	27	82
4 26	13 55.14	−17 26.0	1.596	2.599	2.3	21.2	174 E	28	81
5 6	13 45.28	−16 16.4	1.573	2.558	6.2	21.4	164 E	29	80
5 16	13 36.54	−15 5.1	1.576	2.516	10.7	21.6	152 E	30	79

444326 2005 WL_{35}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	14 22.96	−14 18.6	1.695	2.596	11.7	21.9	148 W	31	78
4 6	14 15.55	−13 42.3	1.610	2.572	7.7	21.6	160 W	31	78
4 16	14 6.12	−12 54.4	1.550	2.548	3.1	21.3	172 W	32	77
4 26	13 55.65	−11 59.2	1.519	2.523	1.8	21.1	175 E	33	76
5 6	13 45.34	−11 2.9	1.515	2.497	6.8	21.4	163 E	34	75
5 16	13 36.32	−10 12.2	1.537	2.470	11.5	21.6	151 E	35	74

416595 2004 NZ_{8}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	14 23.36	− 5 15.5	3.316	4.209	6.8	22.4	150 W	40	69
4 6	14 16.93	− 4 36.4	3.250	4.207	4.5	22.3	161 W	40	69
4 16	14 9.62	− 3 56.8	3.214	4.205	2.4	22.1	170 W	41	68
4 26	14 1.93	− 3 19.7	3.208	4.202	2.5	22.1	170 E	42	67
5 6	13 54.40	− 2 48.1	3.234	4.197	4.6	22.3	160 E	42	67
5 16	13 47.53	− 2 24.1	3.288	4.193	7.0	22.4	150 E	43	66

524968 2004 NZ_{19}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	14 24.43	− 9 56.4	1.652	2.559	11.6	22.1	149 W	35	74
4 6	14 17.63	− 8 57.0	1.565	2.530	7.6	21.8	160 W	36	73
4 16	14 8.77	− 7 48.7	1.503	2.500	3.3	21.5	172 W	37	72
4 26	13 58.79	− 6 37.8	1.469	2.470	3.1	21.4	172 E	38	71
5 6	13 48.85	− 5 31.6	1.463	2.439	7.7	21.6	161 E	39	70
5 16	13 40.10	− 4 37.5	1.481	2.407	12.4	21.8	149 E	40	69

489429 2006 WM

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	14 24.69	−15 20.7	1.589	2.488	12.5	22.0	147 W	30	79
4 6	14 16.63	−15 4.8	1.510	2.471	8.3	21.7	159 W	30	79
4 16	14 6.38	−14 36.9	1.456	2.453	3.5	21.4	171 W	30	79
4 26	13 55.02	−14 0.5	1.430	2.434	1.9	21.2	175 E	31	78
5 6	13 43.88	−13 20.9	1.431	2.414	6.9	21.5	163 E	32	77
5 16	13 34.20	−12 44.3	1.457	2.394	11.7	21.7	151 E	32	77

308306 Dainere

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	14 25.00	+15 13.8	2.721	3.584	9.2	21.8	145 W	60	49
4 1	14 21.65	+15 44.8	2.674	3.561	8.6	21.7	148 W	61	48
4 6	14 17.89	+16 13.6	2.634	3.538	8.1	21.6	150 W	61	48
4 11	14 13.79	+16 39.4	2.601	3.514	7.8	21.6	152 W	62	47
4 16	14 9.41	+17 1.6	2.574	3.491	7.8	21.5	152 W	62	47
4 21	14 4.84	+17 19.4	2.555	3.467	8.1	21.5	151 W	62	47
4 26	14 0.17	+17 32.3	2.542	3.443	8.7	21.5	149 E	63	46

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
308306 Dainere *(continuation)*									
	h m	° ′			°	m	°	°	°
5 1	13 55.50	+17 39.9	2.536	3.418	9.5	21.5	146 E	63	46
5 6	13 50.92	+17 42.1	2.536	3.394	10.4	21.5	143 E	63	46
5 11	13 46.51	+17 38.6	2.542	3.369	11.4	21.6	139 E	63	46
5 16	13 42.37	+17 29.4	2.554	3.344	12.4	21.6	135 E	62	47
5 21	13 38.57	+17 14.7	2.571	3.319	13.4	21.6	131 E	62	47
368599 2004 RA_{160}									
3 27	14 25.57	−25 19.8	3.030	3.871	9.0	22.1	143 W	20	89
4 6	14 18.74	−25 9.4	2.942	3.862	6.7	21.9	153 W	20	89
4 16	14 10.71	−24 46.7	2.880	3.851	4.3	21.7	163 W	20	89
4 26	14 2.11	−24 12.9	2.848	3.840	2.9	21.6	169 E	21	88
5 6	13 53.62	−23 30.4	2.846	3.828	4.0	21.7	165 E	21	88
5 16	13 45.88	−22 42.9	2.873	3.815	6.4	21.8	155 E	22	87
385884 2006 SO_{131}									
3 27	14 26.82	− 3 13.2	0.929	1.857	16.0	21.6	149 W	42	67
4 1	14 22.39	− 2 18.2	0.915	1.868	13.2	21.4	155 W	43	66
4 6	14 17.19	− 1 22.7	0.906	1.878	10.5	21.3	160 W	44	65
4 11	14 11.38	− 0 28.5	0.904	1.888	8.1	21.2	165 W	45	64
4 16	14 5.21	+ 0 22.5	0.906	1.898	6.6	21.2	167 W	45	64
4 21	13 58.93	+ 1 8.6	0.915	1.908	6.8	21.2	167 W	46	63
4 26	13 52.78	+ 1 48.2	0.930	1.917	8.4	21.3	164 E	47	62
5 1	13 47.00	+ 2 20.4	0.951	1.927	10.6	21.5	159 E	47	62
5 6	13 41.76	+ 2 44.5	0.977	1.935	13.1	21.6	154 E	48	61
5 11	13 37.22	+ 3 0.2	1.008	1.944	15.6	21.8	149 E	48	61
5 16	13 33.49	+ 3 7.6	1.044	1.952	17.9	22.0	144 E	48	61
5 21	13 30.64	+ 3 7.1	1.084	1.960	20.0	22.1	138 E	48	61
307660 2003 SB_{220}									
3 27	14 28.81	− 9 0.0	3.606	4.484	6.8	22.4	148 W	36	73
4 6	14 22.75	− 8 25.7	3.547	4.497	4.5	22.2	159 W	37	72
4 16	14 15.87	− 7 49.4	3.517	4.509	2.2	22.1	170 W	37	72
4 26	14 8.63	− 7 13.4	3.519	4.521	1.4	22.0	174 E	38	71
5 6	14 1.52	− 6 40.4	3.552	4.531	3.5	22.2	164 E	38	71
5 16	13 54.99	− 6 12.6	3.615	4.541	5.7	22.3	153 E	39	70
518542 2006 VA_{76}									
3 27	14 29.30	−15 44.7	1.650	2.541	12.6	22.4	146 W	29	80
4 6	14 21.96	−15 9.1	1.569	2.525	8.6	22.1	158 W	30	79
4 16	14 12.47	−14 20.4	1.514	2.508	3.9	21.8	170 W	31	78
4 26	14 1.85	−13 22.7	1.485	2.491	1.2	21.5	177 E	32	77
5 6	13 51.34	−12 22.4	1.485	2.473	6.1	21.8	165 E	33	76
5 16	13 42.10	−11 26.4	1.511	2.453	10.9	22.0	153 E	34	75
277570 2005 YP_{180}									
3 27	14 33.94	−22 14.1	1.322	2.199	16.0	22.4	143 W	23	86
4 6	14 19.97	−21 32.7	1.236	2.186	11.0	22.0	155 W	23	86
4 16	14 2.55	−20 21.6	1.177	2.168	5.6	21.7	168 W	25	84
4 26	13 43.49	−18 43.6	1.147	2.147	4.2	21.5	171 E	26	83
5 6	13 25.06	−16 49.1	1.148	2.121	9.7	21.8	159 E	28	81
5 16	13 9.28	−14 53.0	1.176	2.092	15.7	22.0	146 E	30	79
493045 2014 SA_{263}									
3 27	14 34.94	−27 7.6	1.616	2.465	15.1	21.3	140 W	18	89
4 6	14 27.44	−27 58.4	1.507	2.425	11.9	21.0	150 W	17	88
4 16	14 16.91	−28 31.5	1.421	2.386	8.6	20.7	159 W	16	87
4 26	14 4.26	−28 43.0	1.360	2.345	6.6	20.5	165 E	16	87
5 6	13 50.91	−28 32.3	1.325	2.304	8.0	20.5	161 E	16	87
5 11	13 44.48	−28 19.6	1.318	2.284	9.7	20.5	158 E	17	88
5 16	13 38.50	−28 3.0	1.316	2.263	11.8	20.6	153 E	17	88
5 21	13 33.15	−27 43.9	1.320	2.242	13.9	20.7	148 E	17	88
5 26	13 28.55	−27 23.4	1.330	2.221	16.1	20.7	143 E	18	89
5 31	13 24.83	−27 2.6	1.343	2.200	18.1	20.8	137 E	18	89
6 5	13 22.02	−26 42.8	1.362	2.179	20.1	20.9	132 E	18	89
6 10	13 20.19	−26 24.7	1.383	2.158	21.9	20.9	128 E	19*	90
6 15	13 19.34	−26 9.3	1.408	2.137	23.5	21.0	123 E	18*	90
6 20	13 19.47	−25 57.1	1.435	2.116	25.0	21.1	118 E	18*	90
6 25	13 20.53	−25 48.5	1.464	2.094	26.3	21.1	114 E	17*	90
6 30	13 22.50	−25 43.8	1.494	2.073	27.5	21.2	110 E	16*	90
7 5	13 25.32	−25 43.0	1.526	2.052	28.5	21.2	106 E	15*	90
7 10	13 28.98	−25 46.0	1.558	2.031	29.3	21.3	102 E	14*	90
7 15	13 33.42	−25 52.9	1.590	2.010	30.0	21.3	98 E	12*	90
7 20	13 38.60	−26 3.4	1.623	1.989	30.6	21.4	95 E	11*	89*
7 25	13 44.49	−26 17.2	1.655	1.968	31.1	21.4	92 E	10*	85*
7 30	13 51.06	−26 34.0	1.687	1.947	31.4	21.4	89 E	9*	82*
8 4	13 58.26	−26 53.5	1.718	1.926	31.7	21.4	86 E	8*	79*
8 9	14 6.10	−27 15.3	1.749	1.906	31.8	21.5	83 E	8*	75*
8 14	14 14.54	−27 39.1	1.779	1.886	31.9	21.5	80 E	7*	72*
8 19	14 23.57	−28 4.5	1.808	1.866	31.9	21.5	77 E	6*	70*
495866 2004 MU_2									
	h m	° ′			°	m	°	°	°
3 27	14 34.99	−23 51.4	2.749	3.585	10.0	22.1	142 W	21	88
4 6	14 28.49	−23 31.4	2.640	3.558	7.4	21.9	153 W	21	88
4 16	14 20.49	−22 58.2	2.557	3.530	4.7	21.7	163 W	22	87
4 26	14 11.60	−22 13.0	2.503	3.501	2.5	21.5	171 E	23	86
5 6	14 2.56	−21 18.4	2.479	3.471	3.6	21.5	167 E	24	85
5 16	13 54.13	−20 18.7	2.485	3.439	6.5	21.7	157 E	25	84
393417 2001 QB_{179}									
3 27	14 36.44	−17 43.8	1.703	2.577	13.2	21.3	144 W	27	82
4 6	14 29.13	−17 43.5	1.604	2.547	9.4	21.0	155 W	27	82
4 16	14 19.33	−17 30.7	1.528	2.517	5.1	20.7	167 W	27	82
4 26	14 7.94	−17 6.7	1.480	2.485	1.6	20.3	176 E	28	81
5 1	14 2.02	−16 51.5	1.466	2.469	3.1	20.4	172 E	28	81
5 6	13 56.17	−16 35.0	1.459	2.452	5.4	20.5	167 E	28	81
5 11	13 50.56	−16 17.8	1.459	2.436	7.9	20.6	161 E	29	80
5 16	13 45.36	−16 0.9	1.466	2.419	10.3	20.7	155 E	29	80
5 21	13 40.69	−15 45.0	1.478	2.402	12.6	20.8	149 E	29	80
5 26	13 36.67	−15 30.9	1.496	2.384	14.8	20.9	143 E	29	80
5 31	13 33.36	−15 19.3	1.518	2.367	16.8	21.0	137 E	30	79
6 5	13 30.82	−15 10.6	1.545	2.349	18.7	21.1	132 E	30	79
6 10	13 29.09	−15 5.2	1.576	2.332	20.4	21.1	127 E	30*	79
6 15	13 28.16	−15 3.4	1.610	2.314	21.9	21.2	122 E	30*	79
6 20	13 28.04	−15 5.3	1.646	2.296	23.2	21.3	117 E	29*	79
6 25	13 28.70	−15 11.1	1.684	2.277	24.3	21.4	113 E	28*	79
6 30	13 30.12	−15 20.5	1.724	2.259	25.3	21.4	108 E	26*	79
7 5	13 32.24	−15 33.5	1.764	2.241	26.1	21.5	104 E	25*	80
336661 2009 XJ_{24}									
3 27	14 36.53	− 8 3.1	1.893	2.779	11.5	21.8	146 W	37	72
4 6	14 29.61	− 7 0.1	1.813	2.764	7.9	21.6	158 W	38	71
4 16	14 20.79	− 5 51.5	1.759	2.749	4.3	21.3	168 W	39	70
4 26	14 10.90	− 4 43.4	1.733	2.732	3.2	21.2	171 E	40	69
5 6	14 0.95	− 3 42.1	1.736	2.714	6.5	21.4	162 E	41	68
5 16	13 51.96	− 2 53.5	1.767	2.696	10.5	21.6	151 E	42	67
354558 2004 TK_{70}									
3 27	14 36.55	−12 25.9	1.942	2.822	11.6	22.1	145 W	33	76
4 6	14 28.83	−11 38.8	1.903	2.852	7.8	21.9	157 W	33	76
4 16	14 19.61	−10 45.4	1.890	2.882	3.7	21.7	169 W	34	75
4 26	14 9.84	− 9 50.6	1.906	2.911	1.3	21.6	176 E	35	74
5 6	14 0.47	− 8 59.5	1.951	2.938	4.9	21.9	165 E	36	73
5 16	13 52.36	− 8 17.0	2.024	2.965	8.7	22.2	154 E	37	72
446855 2001 UC_{72}									
3 27	14 36.66	− 2 34.1	1.799	2.689	11.8	21.8	147 W	42	67
4 6	14 30.13	− 1 26.8	1.718	2.667	8.5	21.6	157 W	44	65
4 16	14 21.58	− 0 18.7	1.662	2.644	5.6	21.4	165 W	45	64
4 26	14 11.84	+ 0 43.0	1.634	2.621	5.4	21.3	166 E	46	63
5 6	14 1.96	+ 1 31.5	1.633	2.597	8.3	21.4	158 E	47	62
5 16	13 52.98	+ 2 1.9	1.657	2.571	12.0	21.6	148 E	47	62
495954 2007 BZ_{72}									
3 27	14 36.87	+ 0 46.7	1.912	2.797	11.4	21.8	146 W	46	63
4 1	14 33.27	+ 1 28.7	1.903	2.821	9.8	21.8	151 W	46	63
4 6	14 29.25	+ 2 9.7	1.901	2.845	8.2	21.7	156 W	47	62
4 11	14 24.91	+ 2 48.7	1.906	2.868	6.9	21.7	160 W	48	61
4 16	14 20.36	+ 3 25.0	1.918	2.891	5.9	21.7	163 W	48	61
4 21	14 15.72	+ 3 57.7	1.937	2.914	5.6	21.7	163 W	49	60
4 26	14 11.11	+ 4 26.2	1.963	2.937	6.0	21.8	162 E	49	60
5 1	14 6.64	+ 4 50.1	1.996	2.959	7.0	21.9	159 E	50	59
5 6	14 2.41	+ 5 9.0	2.036	2.981	8.2	22.0	155 E	50	59
5 11	13 58.50	+ 5 22.9	2.082	3.003	9.5	22.1	151 E	50	59
5 16	13 55.00	+ 5 31.6	2.134	3.025	10.8	22.2	146 E	51	58
5 21	13 51.95	+ 5 35.4	2.192	3.046	12.0	22.3	141 E	51	58
458436 2011 AL_{52}									
3 27	14 39.70	−32 49.4	1.963	2.768	14.5	21.9	136 W	12	83
4 1	14 34.79	−32 38.8	1.951	2.801	12.9	21.8	141 W	12	83
4 6	14 29.38	−32 22.1	1.944	2.833	11.2	21.8	147 W	13	84
4 11	14 23.62	−31 59.4	1.943	2.865	9.5	21.8	152 W	13	84
4 16	14 17.65	−31 31.0	1.949	2.897	8.0	21.7	156 W	13	84
4 21	14 11.63	−30 57.5	1.962	2.928	6.6	21.7	160 W	14	85
4 26	14 5.72	−30 19.5	1.983	2.959	5.7	21.7	163 E	15	86
5 1	14 0.07	−29 38.0	2.010	2.990	5.5	21.7	164 E	15	86
5 6	13 54.78	−28 54.0	2.045	3.020	5.9	21.8	162 E	16	87
5 11	13 49.96	−28 8.6	2.087	3.050	6.9	21.9	159 E	17	88
5 16	13 45.70	−27 22.9	2.136	3.080	8.1	22.1	154 E	18	89
5 21	13 42.03	−26 37.9	2.192	3.109	9.4	22.2	150 E	18	89

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
461769 2005 UN_{322}									
3 27	14 39.81	+18 10.3	2.113	2.952	12.4	21.8	140 W	63	46
4 1	14 35.97	+18 43.6	2.087	2.950	11.6	21.8	143 W	64	45
4 6	14 31.62	+19 13.0	2.067	2.949	11.0	21.7	146 W	64	45
4 11	14 26.85	+19 37.7	2.054	2.947	10.6	21.7	147 W	65	44
4 16	14 21.76	+19 56.8	2.046	2.946	10.4	21.7	148 W	65	44
4 21	14 16.46	+20 9.5	2.045	2.944	10.5	21.7	148 W	65	44
4 26	14 11.10	+20 15.4	2.051	2.941	10.9	21.7	146 E	65	44
5 1	14 5.78	+20 14.2	2.062	2.939	11.6	21.7	144 E	65	44
5 6	14 0.64	+20 5.8	2.080	2.936	12.4	21.8	141 E	65	44
5 11	13 55.77	+19 50.3	2.103	2.933	13.3	21.8	138 E	65	44
5 16	13 51.29	+19 28.1	2.132	2.930	14.3	21.9	134 E	64	45
5 21	13 47.27	+18 59.6	2.166	2.926	15.2	22.0	131 E	64	45
496818 1993 RA									
3 27	14 42.02	−10 3.8	1.252	2.145	15.6	22.3	145 W	35	74
4 1	14 37.23	− 9 22.0	1.240	2.167	13.0	22.2	151 W	36	73
4 6	14 31.76	− 8 38.1	1.233	2.189	10.3	22.1	157 W	36	73
4 11	14 25.79	− 7 53.0	1.232	2.210	7.6	22.0	163 W	37	72
4 16	14 19.49	− 7 8.0	1.238	2.231	5.0	21.9	169 W	38	71
4 21	14 13.09	− 6 24.3	1.250	2.251	3.1	21.9	173 W	39	70
4 26	14 6.78	− 5 43.2	1.270	2.271	3.5	21.9	172 E	39	70
5 1	14 0.74	− 5 5.6	1.296	2.290	5.5	22.1	167 E	40	69
5 6	13 55.13	− 4 32.5	1.330	2.309	7.9	22.3	162 E	40	69
5 11	13 50.08	− 4 4.4	1.369	2.328	10.2	22.5	156 E	41	68
274833 2009 QQ_1									
3 27	14 44.51	−28 23.2	1.440	2.278	17.2	21.3	137 W	17	88
4 6	14 38.55	−28 43.8	1.344	2.254	13.8	21.0	148 W	16	87
4 16	14 29.44	−28 40.8	1.268	2.229	9.9	20.7	158 W	16	87
4 26	14 18.14	−28 11.3	1.216	2.204	6.7	20.4	165 W	17	88
5 1	14 12.11	−27 46.9	1.199	2.191	6.2	20.4	166 E	17	88
5 6	14 6.12	−27 16.6	1.188	2.178	6.9	20.4	165 E	18	89
5 11	14 0.36	−26 41.7	1.183	2.165	8.6	20.4	161 E	18	89
5 16	13 55.06	−26 3.2	1.185	2.152	10.7	20.5	157 E	19	90
5 21	13 50.40	−25 22.8	1.192	2.138	12.9	20.6	152 E	20	89
5 26	13 46.50	−24 42.0	1.205	2.125	15.2	20.7	147 E	20	89
5 31	13 43.46	−24 2.0	1.222	2.111	17.4	20.8	141 E	21	88
6 5	13 41.33	−23 24.2	1.243	2.098	19.5	20.9	136 E	22	87
6 10	13 40.15	−22 49.4	1.269	2.084	21.4	21.0	131 E	22	87
6 15	13 39.93	−22 18.5	1.297	2.071	23.2	21.0	127 E	23*	86
6 20	13 40.64	−21 52.1	1.329	2.057	24.8	21.1	122 E	23*	86
6 25	13 42.24	−21 30.3	1.363	2.043	26.2	21.2	118 E	22*	86
6 30	13 44.69	−21 13.3	1.398	2.029	27.4	21.3	113 E	22*	85
7 5	13 47.95	−21 0.9	1.435	2.016	28.4	21.4	109 E	21*	85
7 10	13 51.97	−20 53.0	1.474	2.002	29.3	21.4	106 E	20*	85
7 15	13 56.70	−20 49.5	1.513	1.988	30.0	21.5	102 E	19*	85
451210 2009 VZ_{78}									
3 27	14 45.22	−28 23.6	1.559	2.390	16.4	21.4	137 W	17	88
4 6	14 38.63	−28 52.9	1.460	2.366	13.1	21.2	147 W	16	87
4 16	14 28.97	−29 0.8	1.382	2.340	9.5	20.9	157 W	16	87
4 26	14 17.18	−28 44.4	1.329	2.314	6.6	20.6	165 W	16	87
5 6	14 4.68	−28 4.1	1.300	2.287	6.9	20.6	164 E	17	88
5 16	13 53.10	−27 5.3	1.298	2.260	10.4	20.7	156 E	18	89
5 26	13 43.89	−25 57.5	1.319	2.232	14.7	20.9	146 E	19	90
6 5	13 37.96	−24 51.0	1.359	2.203	18.7	21.0	136 E	20	89
6 15	13 35.70	−23 54.1	1.415	2.174	22.2	21.2	126 E	21*	88
6 25	13 37.07	−23 12.3	1.483	2.144	25.0	21.4	117 E	20*	87
494670 2002 MQ_1									
3 27	14 46.25	−13 11.5	1.282	2.164	16.1	21.3	143 W	32	77
4 6	14 42.57	−10 50.0	1.178	2.124	11.9	20.9	154 W	34	75
4 16	14 35.91	− 7 59.3	1.098	2.083	7.1	20.5	165 W	37	72
4 26	14 27.04	− 4 49.2	1.043	2.042	4.5	20.2	171 W	40	69
5 1	14 22.16	− 3 11.8	1.025	2.021	6.0	20.3	168 E	42	67
5 6	14 17.21	− 1 36.0	1.014	2.001	8.5	20.3	163 E	43	66
5 11	14 12.40	− 0 4.2	1.010	1.980	11.4	20.4	157 E	45	64
5 16	14 7.91	+ 1 21.3	1.011	1.959	14.4	20.5	151 E	46	63
5 21	14 3.94	+ 2 38.8	1.018	1.938	17.3	20.6	145 E	48	61
5 26	14 0.61	+ 3 46.9	1.030	1.917	20.1	20.7	140 E	49	60
5 31	13 58.05	+ 4 44.9	1.045	1.896	22.6	20.8	134 E	50	59
6 5	13 56.31	+ 5 32.6	1.065	1.875	25.0	20.9	129 E	51	58
6 10	13 55.44	+ 6 9.9	1.087	1.854	27.1	20.9	124 E	51	58
6 15	13 55.49	+ 6 37.3	1.111	1.833	29.0	21.0	119 E	52*	57
6 20	13 56.45	+ 6 55.2	1.136	1.812	30.7	21.1	115 E	52*	57
6 25	13 58.28	+ 7 4.4	1.163	1.792	32.1	21.2	110 E	51*	57
6 30	14 0.96	+ 7 5.8	1.191	1.772	33.4	21.2	106 E	50*	57
7 5	14 4.46	+ 6 59.9	1.218	1.751	34.5	21.3	103 E	49*	57
7 10	14 8.74	+ 6 47.6	1.246	1.731	35.4	21.3	99 E	47*	57
7 15	14 13.77	+ 6 29.4	1.274	1.712	36.2	21.4	96 E	46*	58

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
494670 2002 MQ_1 *(continuation)*									
7 20	14 19.51	+ 6 6.0	1.301	1.692	36.8	21.4	93 E	45*	58
7 25	14 25.91	+ 5 38.1	1.327	1.674	37.4	21.4	90 E	43*	58
7 30	14 32.94	+ 5 6.2	1.352	1.655	37.8	21.5	87 E	42*	59
8 4	14 40.58	+ 4 30.8	1.376	1.637	38.1	21.5	85 E	41*	59*
282639 2005 TC_{46}									
3 27	14 49.81	− 6 12.1	1.685	2.555	13.5	21.3	143 W	39	70
4 6	14 44.06	− 5 13.7	1.592	2.530	10.0	21.0	154 W	40	69
4 16	14 35.89	− 4 10.6	1.524	2.504	6.3	20.7	164 W	41	68
4 26	14 26.06	− 3 9.1	1.482	2.478	4.3	20.5	169 W	42	67
5 6	14 15.64	− 2 16.2	1.467	2.451	6.8	20.6	163 E	43	66
5 16	14 5.83	− 1 38.3	1.479	2.423	11.0	20.8	153 E	43	66
5 26	13 57.73	− 1 19.7	1.513	2.394	15.1	20.9	142 E	44	65
6 5	13 52.06	− 1 21.9	1.567	2.365	18.7	21.1	132 E	44	65
6 15	13 49.23	− 1 44.4	1.635	2.335	21.7	21.3	122 E	43*	66
6 25	13 49.33	− 2 24.9	1.713	2.304	24.0	21.4	113 E	41*	66
283319 1992 WR_4									
3 27	14 52.74	−19 16.8	1.492	2.344	16.0	21.5	140 W	26	83
4 6	14 44.50	−18 26.9	1.442	2.371	11.5	21.3	152 W	27	82
4 16	14 33.86	−17 20.7	1.416	2.397	6.5	21.1	164 W	28	81
4 26	14 22.06	−16 3.1	1.417	2.422	1.4	20.8	177 W	29	80
5 6	14 10.49	−14 41.9	1.445	2.445	4.1	21.0	170 E	30	79
5 16	14 0.42	−13 25.5	1.502	2.467	9.0	21.3	158 E	32	77
5 26	13 52.78	−12 21.4	1.583	2.487	13.2	21.6	146 E	33	76
363012 1988 PH_4									
3 27	14 53.84	− 9 14.0	2.074	2.924	12.2	21.2	142 W	36	73
4 6	14 48.72	− 8 8.9	1.957	2.883	9.1	21.0	153 W	37	72
4 16	14 41.44	− 6 55.3	1.864	2.841	5.7	20.7	164 W	38	71
4 26	14 32.58	− 5 37.9	1.800	2.798	3.3	20.4	171 W	39	70
5 1	14 27.82	− 4 59.7	1.779	2.776	3.6	20.4	170 E	40	69
5 6	14 22.98	− 4 22.9	1.765	2.754	5.1	20.5	166 E	41	68
5 11	14 18.20	− 3 48.4	1.757	2.732	6.9	20.5	161 E	41	68
5 16	14 13.59	− 3 16.9	1.757	2.709	8.9	20.6	155 E	42	67
5 21	14 9.29	− 2 49.1	1.763	2.686	10.9	20.7	150 E	42	67
5 26	14 5.40	− 2 25.6	1.775	2.663	12.9	20.7	144 E	43	66
5 31	14 1.99	− 2 6.6	1.792	2.640	14.7	20.8	139 E	43	66
6 5	13 59.13	− 1 52.5	1.814	2.617	16.4	20.9	133 E	43	66
6 10	13 56.88	− 1 43.2	1.840	2.593	18.0	20.9	128 E	43	66
6 15	13 55.28	− 1 38.9	1.870	2.569	19.4	21.0	123 E	43*	66
6 20	13 54.34	− 1 39.3	1.903	2.545	20.6	21.0	118 E	43*	66
6 25	13 54.05	− 1 44.3	1.938	2.520	21.7	21.1	113 E	42*	66
6 30	13 54.43	− 1 53.6	1.974	2.496	22.7	21.1	109 E	41*	66
7 5	13 55.44	− 2 6.9	2.012	2.471	23.5	21.2	104 E	39*	66
7 10	13 57.08	− 2 23.9	2.051	2.446	24.1	21.2	100 E	38*	66
7 15	13 59.33	− 2 44.3	2.090	2.421	24.7	21.3	96 E	36*	67
7 20	14 2.16	− 3 7.9	2.129	2.395	25.1	21.3	92 E	34*	67
7 25	14 5.54	− 3 34.2	2.168	2.370	25.4	21.3	89 E	33*	68
7 30	14 9.46	− 4 3.1	2.206	2.344	25.6	21.3	85 E	31*	68*
8 4	14 13.88	− 4 34.2	2.243	2.318	25.6	21.4	81 E	30*	67*
8 9	14 18.79	− 5 7.3	2.279	2.292	25.6	21.4	78 E	28*	66*
8 14	14 24.17	− 5 42.2	2.313	2.266	25.5	21.4	75 E	27*	64*
8 19	14 30.01	− 6 18.5	2.346	2.240	25.4	21.4	71 E	26*	62*
8 24	14 36.28	− 6 56.0	2.377	2.213	25.1	21.4	68 E	25*	59*
8 29	14 42.98	− 7 34.4	2.406	2.187	24.8	21.4	65 E	24*	57*
9 3	14 50.08	− 8 13.6	2.433	2.160	24.5	21.3	62 E	23*	54*
9 8	14 57.59	− 8 53.4	2.459	2.134	24.0	21.3	60 E	22*	52*
9 13	15 5.50	− 9 33.4	2.482	2.107	23.6	21.3	57 E	21*	49*
9 18	15 13.80	−10 13.5	2.503	2.081	23.1	21.3	54 E	20*	47*
9 23	15 22.48	−10 53.3	2.521	2.054	22.5	21.2	52 E	19*	44*
9 28	15 31.54	−11 32.7	2.538	2.027	21.9	21.2	49 E	19*	42*
10 3	15 40.97	−12 11.4	2.552	2.001	21.3	21.2	47 E	18*	39*
10 8	15 50.79	−12 49.2	2.564	1.974	20.6	21.1	44 E	17*	37*
10 13	16 0.98	−13 25.8	2.574	1.948	20.0	21.1	42 E	17*	34*
10 18	16 11.53	−14 0.8	2.582	1.921	19.3	21.1	40 E	16*	32*
10 23	16 22.46	−14 34.1	2.588	1.895	18.6	21.0	37 E	16*	29*
10 28	16 33.75	−15 5.3	2.592	1.869	17.8	21.0	35 E	15*	27*
11 2	16 45.41	−15 34.2	2.594	1.843	17.1	20.9	33 E	15*	24*
11 7	16 57.43	−16 0.5	2.594	1.818	16.3	20.8	31 E	14*	22*
11 12	17 9.80	−16 23.8	2.593	1.793	15.6	20.8	29 E	14*	20*
11 17	17 22.52	−16 43.9	2.590	1.768	14.8	20.7	27 E	13*	17*
11 22	17 35.58	−17 0.4	2.585	1.744	14.0	20.7	25 E	12*	15*
11 27	17 48.96	−17 13.2	2.579	1.720	13.2	20.6	23 E	12*	13*
12 2	18 2.67	−17 21.8	2.572	1.696	12.4	20.5	22 E	11*	11*
12 7	18 16.67	−17 26.1	2.564	1.674	11.7	20.5	20 E	10*	9*
12 12	18 30.96	−17 25.8	2.556	1.651	10.9	20.4	18 E	10*	7*
12 22	19 0.29	−17 10.5	2.536	1.609	9.4	20.3	15 E	8*	3*
1 1	19 30.50	−16 34.7	2.515	1.570	7.9	20.1	13 E	6*	—
1 11	20 1.39	−15 37.6	2.494	1.535	6.4	20.0	10 E	4*	—
1 21	20 32.73	−14 19.7	2.474	1.505	5.0	19.9	8 E	2*	—

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
300281 2007 ME_5									
3 27	14 53.92	−13 7.0	2.040	2.887	12.5	21.5	141 W	32	77
4 6	14 48.48	−12 2.2	1.942	2.867	9.3	21.2	153 W	33	76
4 16	14 40.96	−10 46.7	1.868	2.846	5.6	21.0	164 W	34	75
4 26	14 32.05	− 9 25.2	1.822	2.825	2.1	20.7	174 W	36	73
5 6	14 22.62	− 8 3.6	1.805	2.802	3.9	20.8	169 E	37	72
5 16	14 13.64	− 6 48.7	1.817	2.779	8.0	21.0	158 E	38	71
5 26	14 6.03	− 5 46.5	1.855	2.754	11.8	21.2	146 E	39	70
6 5	14 0.41	− 5 0.7	1.915	2.729	15.2	21.3	135 E	40	69
6 15	13 57.15	− 4 33.1	1.992	2.703	18.0	21.5	125 E	40*	69
150165 1997 UG_9									
3 27	15 0.24	−17 38.1	2.796	3.605	10.6	21.4	139 W	27	82
4 6	14 54.19	−17 26.8	2.712	3.613	8.0	21.2	150 W	28	81
4 16	14 46.58	−17 8.2	2.654	3.620	5.0	21.0	161 W	28	81
4 26	14 37.98	−16 43.5	2.624	3.626	1.9	20.8	173 W	28	81
5 6	14 29.05	−16 15.1	2.625	3.631	1.5	20.8	175 E	29	80
5 16	14 20.51	−15 45.9	2.656	3.635	4.7	21.0	163 E	29	80
5 26	14 13.00	−15 19.0	2.716	3.638	7.6	21.2	151 E	30	79
6 5	14 7.00	−14 57.3	2.801	3.641	10.2	21.4	140 E	30	79
189015 1998 QH_{83}									
3 27	15 1.87	−20 27.0	1.784	2.606	15.0	21.4	137 W	25	84
4 6	14 56.92	−19 57.5	1.679	2.585	11.7	21.1	148 W	25	84
4 16	14 49.35	−19 12.2	1.597	2.563	7.7	20.8	160 W	26	83
4 26	14 39.85	−18 12.4	1.540	2.540	3.1	20.5	172 W	27	82
5 1	14 34.70	−17 38.2	1.521	2.528	1.1	20.3	177 W	27	82
5 6	14 29.46	−17 2.2	1.510	2.516	2.1	20.3	175 E	28	81
5 11	14 24.29	−16 25.1	1.506	2.504	4.5	20.5	169 E	29	80
5 16	14 19.37	−15 47.9	1.508	2.492	7.0	20.6	163 E	29	80
5 21	14 14.81	−15 11.7	1.517	2.479	9.3	20.7	157 E	30	79
5 26	14 10.76	−14 37.4	1.532	2.466	11.6	20.8	151 E	30	79
5 31	14 7.29	−14 5.9	1.553	2.453	13.7	20.9	145 E	31	78
6 5	14 4.48	−13 37.6	1.579	2.440	15.7	21.0	139 E	31	78
6 10	14 2.38	−13 13.3	1.609	2.427	17.5	21.1	134 E	32	77
6 15	14 1.02	−12 53.1	1.643	2.413	19.1	21.2	129 E	32	77
6 20	14 0.40	−12 37.4	1.681	2.400	20.6	21.2	124 E	32*	77
6 25	14 0.51	−12 26.2	1.721	2.386	21.9	21.3	119 E	32*	76
6 30	14 1.34	−12 19.3	1.764	2.372	23.0	21.4	114 E	31*	76
7 5	14 2.85	−12 16.6	1.809	2.358	23.9	21.5	110 E	30*	76
448110 2008 NF_5									
3 27	15 2.27	−23 13.7	1.735	2.551	15.7	21.3	136 W	22	87
4 6	14 57.44	−22 59.5	1.627	2.526	12.4	21.0	147 W	22	87
4 16	14 49.84	−22 27.9	1.539	2.500	8.5	20.7	158 W	23	86
4 26	14 40.12	−21 38.7	1.477	2.474	4.2	20.4	170 W	23	86
5 1	14 34.80	−21 8.3	1.456	2.460	2.5	20.2	174 W	24	85
5 6	14 29.37	−20 34.7	1.442	2.446	2.8	20.2	173 E	24	85
5 11	14 23.99	−19 58.8	1.434	2.432	4.7	20.3	169 E	25	84
5 16	14 18.86	−19 21.6	1.433	2.418	7.0	20.4	163 E	26	83
5 21	14 14.11	−18 44.3	1.439	2.404	9.4	20.5	157 E	26	83
5 26	14 9.88	−18 7.7	1.451	2.390	11.7	20.6	151 E	27	82
5 31	14 6.28	−17 33.1	1.468	2.375	13.9	20.7	146 E	27	82
6 5	14 3.37	−17 1.1	1.490	2.360	16.0	20.8	140 E	28	81
6 10	14 1.22	−16 32.5	1.517	2.345	17.9	20.9	135 E	28	81
6 15	13 59.85	−16 7.8	1.548	2.330	19.6	21.0	130 E	29	80
6 20	13 59.28	−15 47.3	1.582	2.315	21.2	21.1	125 E	29*	80
6 25	13 59.49	−15 31.3	1.619	2.300	22.6	21.1	120 E	29*	80
6 30	14 0.45	−15 19.8	1.658	2.284	23.8	21.2	115 E	28*	79
7 5	14 2.15	−15 12.5	1.699	2.269	24.8	21.3	111 E	27*	79
7 10	14 4.55	−15 9.5	1.742	2.253	25.6	21.3	107 E	26*	79
7 15	14 7.61	−15 10.5	1.785	2.237	26.3	21.4	102 E	25*	79
7 20	14 11.32	−15 15.1	1.829	2.221	26.9	21.5	99 E	24*	79
338057 2002 NN_{78}									
3 27	15 3.55	−10 13.9	1.634	2.478	15.2	21.3	139 W	35	74
4 6	14 58.29	− 9 45.8	1.536	2.456	11.6	21.0	150 W	35	74
4 16	14 50.26	− 9 11.3	1.461	2.434	7.4	20.7	162 W	36	73
4 26	14 40.14	− 8 34.4	1.411	2.411	3.4	20.4	172 W	36	73
5 1	14 34.63	− 8 16.6	1.396	2.399	2.8	20.3	173 W	37	72
5 6	14 29.02	− 8 0.1	1.388	2.387	4.3	20.4	170 E	37	72
5 11	14 23.48	− 7 45.7	1.386	2.375	6.5	20.5	165 E	37	72
5 16	14 18.18	− 7 34.0	1.391	2.363	8.8	20.6	159 E	37	72
5 21	14 13.28	− 7 25.6	1.402	2.350	11.2	20.7	153 E	38	71
5 26	14 8.89	− 7 20.9	1.419	2.338	13.5	20.8	147 E	38	71
5 31	14 5.13	− 7 20.2	1.441	2.325	15.6	20.9	142 E	38	71
6 5	14 2.06	− 7 23.7	1.468	2.312	17.6	21.0	137 E	38	71
6 10	13 59.74	− 7 31.3	1.499	2.299	19.4	21.1	131 E	37	72
6 15	13 58.19	− 7 43.1	1.533	2.286	21.0	21.2	126 E	37*	72
6 20	13 57.43	− 7 58.9	1.571	2.272	22.4	21.2	121 E	37*	72
338057 2002 NN_{78} *(continuation)*									
6 25	13 57.45	− 8 18.6	1.610	2.259	23.7	21.3	117 E	36*	72
6 30	13 58.21	− 8 41.7	1.652	2.245	24.8	21.4	112 E	35*	73
7 5	13 59.70	− 9 8.2	1.695	2.231	25.7	21.5	108 E	33*	73
443919 2002 QJ_{36}									
3 27	15 4.84	− 3 48.1	1.228	2.091	18.0	21.3	140 W	41	68
4 6	15 1.87	− 2 49.5	1.135	2.060	14.4	21.0	149 W	42	67
4 16	14 55.57	− 1 47.3	1.061	2.029	10.4	20.6	159 W	43	66
4 26	14 46.53	− 0 50.0	1.009	1.998	7.5	20.4	165 W	44	65
5 1	14 41.34	− 0 26.2	0.992	1.983	7.4	20.3	165 W	45	64
5 6	14 35.93	− 0 7.2	0.980	1.967	8.5	20.3	163 E	45	64
5 11	14 30.52	+ 0 5.9	0.974	1.952	10.4	20.4	159 E	45	64
5 16	14 25.31	+ 0 12.3	0.973	1.937	12.8	20.4	155 E	45	64
5 26	14 16.31	+ 0 3.1	0.987	1.907	17.8	20.6	145 E	45	64
6 5	14 10.16	− 0 35.4	1.017	1.878	22.5	20.8	135 E	44	65
6 15	14 7.56	− 1 40.5	1.061	1.849	26.5	21.0	126 E	43	66
6 25	14 8.72	− 3 7.9	1.115	1.821	29.7	21.1	117 E	41*	67
7 5	14 13.48	− 4 52.4	1.175	1.794	32.2	21.3	110 E	38*	69
7 15	14 21.58	− 6 49.7	1.239	1.768	34.1	21.4	103 E	34*	71
405200 2003 EE_{50}									
3 27	15 9.93	−25 19.4	1.410	2.221	18.9	21.4	134 W	20	89
4 6	15 1.97	−26 3.3	1.340	2.233	15.0	21.2	145 W	19	90
4 16	14 50.47	−26 28.7	1.291	2.245	10.5	21.0	156 W	19	90
4 26	14 36.55	−26 32.3	1.266	2.255	6.3	20.8	166 W	18	89
5 6	14 21.88	−26 14.6	1.267	2.263	5.3	20.7	168 E	19	90
5 16	14 8.28	−25 40.2	1.295	2.271	8.8	20.9	160 E	19	90
5 26	13 57.29	−24 58.3	1.347	2.277	13.2	21.2	149 E	20	89
6 5	13 49.77	−24 17.8	1.421	2.281	17.2	21.5	138 E	21	88
405352 2003 WM_{27}									
3 27	15 10.93	−22 16.0	1.653	2.460	16.8	21.4	135 W	23	86
4 6	15 7.18	−22 29.5	1.532	2.422	13.6	21.1	145 W	23	86
4 16	15 0.32	−22 29.9	1.430	2.383	9.7	20.8	156 W	23	86
4 26	14 50.80	−22 15.4	1.352	2.344	5.3	20.4	167 W	23	86
5 1	14 45.33	−22 2.7	1.322	2.325	3.3	20.3	172 W	23	86
5 6	14 39.58	−21 46.4	1.299	2.305	2.6	20.2	174 E	23	86
5 11	14 33.74	−21 27.3	1.283	2.285	4.2	20.2	170 E	24	85
5 16	14 28.00	−21 5.9	1.273	2.265	6.6	20.3	165 E	24	85
5 21	14 22.56	−20 43.2	1.269	2.244	9.2	20.4	159 E	24	85
5 26	14 17.59	−20 20.1	1.271	2.224	11.7	20.5	154 E	25	84
5 31	14 13.23	−19 57.7	1.279	2.204	14.2	20.6	148 E	25	84
6 5	14 9.60	−19 36.8	1.291	2.183	16.6	20.6	142 E	25	84
6 10	14 6.78	−19 18.3	1.309	2.163	18.8	20.7	137 E	26	83
6 15	14 4.84	−19 2.8	1.330	2.142	20.8	20.8	132 E	26	83
6 20	14 3.80	−18 50.9	1.354	2.122	22.6	20.9	126 E	26*	83
6 25	14 3.67	−18 42.9	1.381	2.101	24.3	20.9	122 E	26*	83
6 30	14 4.43	−18 39.0	1.411	2.081	25.8	21.0	117 E	25*	83
7 5	14 6.05	−18 39.0	1.442	2.060	27.1	21.1	113 E	24*	83
7 10	14 8.51	−18 43.1	1.474	2.040	28.2	21.1	109 E	23*	83
7 15	14 11.78	−18 51.1	1.508	2.019	29.2	21.2	105 E	22*	83
7 20	14 15.82	−19 2.6	1.542	1.999	30.0	21.2	101 E	21*	83
7 25	14 20.59	−19 17.5	1.576	1.979	30.6	21.3	97 E	20*	83
7 30	14 26.04	−19 35.3	1.610	1.959	31.1	21.3	94 E	19*	84*
8 4	14 32.16	−19 55.8	1.644	1.939	31.6	21.4	90 E	18*	83*
8 9	14 38.91	−20 18.5	1.678	1.919	31.9	21.4	87 E	17*	81*
8 14	14 46.26	−20 43.2	1.711	1.900	32.1	21.4	84 E	16*	78*
8 19	14 54.20	−21 9.3	1.743	1.880	32.2	21.4	81 E	16*	75*
8 24	15 2.70	−21 36.6	1.775	1.861	32.2	21.5	79 E	15*	73*
8 29	15 11.73	−22 4.5	1.805	1.842	32.1	21.5	76 E	15*	70*
9 3	15 21.28	−22 32.7	1.835	1.824	32.0	21.5	73 E	14*	67*
9 8	15 31.34	−23 0.7	1.864	1.806	31.8	21.5	71 E	14*	65*
9 13	15 41.89	−23 28.2	1.892	1.788	31.6	21.5	69 E	13*	62*
9 18	15 52.92	−23 54.6	1.919	1.771	31.3	21.5	66 E	13*	60*
9 23	16 4.41	−24 19.6	1.945	1.754	30.9	21.5	64 E	13*	58*
9 28	16 16.34	−24 42.7	1.969	1.738	30.6	21.5	62 E	13*	56*
10 3	16 28.70	−25 3.4	1.993	1.722	30.1	21.5	60 E	12*	54*
10 8	16 41.48	−25 21.4	2.016	1.706	29.7	21.5	58 E	12*	52*
10 13	16 54.64	−25 36.2	2.039	1.692	29.2	21.5	56 E	12*	50*
10 18	17 8.17	−25 47.3	2.060	1.678	28.7	21.5	54 E	12*	48*
10 23	17 22.03	−25 54.5	2.081	1.664	28.1	21.4	52 E	13*	46*
10 28	17 36.21	−25 57.3	2.101	1.652	27.5	21.4	50 E	13*	44*
11 2	17 50.66	−25 55.4	2.120	1.640	26.9	21.4	48 E	13*	42*
11 7	18 5.36	−25 48.5	2.139	1.629	26.3	21.4	47 E	13*	40*
11 12	18 20.26	−25 36.4	2.158	1.618	25.7	21.4	45 E	13*	38*
11 17	18 35.34	−25 18.8	2.176	1.609	25.0	21.4	43 E	14*	36*
11 22	18 50.53	−24 55.6	2.194	1.601	24.3	21.4	42 E	14*	34*
11 27	19 5.82	−24 26.7	2.212	1.593	23.6	21.3	40 E	14*	32*
12 2	19 21.16	−23 52.1	2.229	1.586	22.9	21.3	39 E	15*	30*
12 7	19 36.52	−23 11.8	2.247	1.581	22.2	21.3	37 E	15*	28*

405352 2003 WM_{27} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 12	19 51.85	−22 26.0	2.265	1.576	21.5	21.3	36 E	15*	26*
12 17	20 7.13	−21 34.7	2.283	1.572	20.7	21.3	34 E	15*	24*
12 22	20 22.32	−20 38.3	2.301	1.570	19.9	21.3	33 E	16*	23*
12 27	20 37.41	−19 36.9	2.319	1.568	19.2	21.3	32 E	16*	21*
1 1	20 52.36	−18 30.8	2.338	1.568	18.4	21.3	30 E	16*	19*
1 6	21 7.18	−17 20.4	2.357	1.568	17.6	21.3	29 E	15*	17*
1 11	21 21.83	−16 6.1	2.376	1.570	16.8	21.3	27 E	15*	15*
1 16	21 36.31	−14 48.2	2.396	1.572	15.9	21.2	26 E	15*	14*
1 21	21 50.61	−13 27.2	2.416	1.576	15.1	21.2	25 E	14*	12*

402064 2003 TW_{6}

3 27	15 14.04	−11 48.1	1.684	2.505	15.9	21.4	137 W	33	76
4 6	15 9.54	−11 50.4	1.569	2.472	12.6	21.1	147 W	33	76
4 16	15 2.06	−11 48.3	1.476	2.439	8.5	20.8	159 W	33	76
4 26	14 52.09	−11 43.9	1.407	2.405	4.0	20.4	170 W	33	76
5 6	14 40.56	−11 39.7	1.365	2.371	2.3	20.2	174 E	33	76
5 11	14 34.60	−11 38.7	1.354	2.353	4.6	20.3	169 E	33	76
5 16	14 28.74	−11 39.2	1.349	2.336	7.1	20.4	163 E	33	76
5 21	14 23.18	−11 41.5	1.352	2.319	9.7	20.5	157 E	33	76
5 26	14 18.05	−11 46.1	1.360	2.301	12.2	20.6	151 E	33	76
5 31	14 13.50	−11 53.4	1.373	2.283	14.5	20.7	146 E	33	76
6 5	14 9.62	−12 3.7	1.392	2.265	16.7	20.8	140 E	33	76
6 10	14 6.50	−12 17.0	1.415	2.248	18.8	20.9	135 E	33	76
6 15	14 4.19	−12 33.6	1.442	2.230	20.6	21.0	129 E	32	77
6 20	14 2.73	−12 53.6	1.472	2.212	22.3	21.0	124 E	32*	77
6 25	14 2.11	−13 16.8	1.506	2.194	23.7	21.1	120 E	31*	77
6 30	14 2.32	−13 43.2	1.541	2.176	25.0	21.2	115 E	30*	78
7 5	14 3.33	−14 12.5	1.578	2.158	26.2	21.2	111 E	28*	78
7 10	14 5.14	−14 44.7	1.616	2.140	27.1	21.3	107 E	27*	79
7 15	14 7.70	−15 19.5	1.655	2.122	27.9	21.4	103 E	25*	79
7 20	14 10.98	−15 56.7	1.695	2.104	28.5	21.4	99 E	24*	80
7 25	14 14.95	−16 36.1	1.735	2.086	29.0	21.5	95 E	22*	81

405129 2002 HW_{8}

3 27	15 19.61	−14 20.4	1.275	2.101	19.7	21.4	135 W	31	78
4 6	15 13.79	−14 14.4	1.213	2.118	15.3	21.2	146 W	31	78
4 16	15 4.52	−13 59.3	1.171	2.135	10.1	20.9	158 W	31	78
4 26	14 52.80	−13 37.6	1.152	2.151	4.4	20.7	170 W	31	78
5 6	14 40.12	−13 13.5	1.159	2.166	2.0	20.5	176 E	32	77
5 16	14 28.13	−12 52.1	1.192	2.181	7.5	20.9	164 E	32	77
5 26	14 18.29	−12 39.0	1.248	2.194	12.6	21.2	152 E	32	77

503434 2016 ES_{55}

3 27	15 19.76	− 0 4.6	0.960	1.814	22.6	21.4	136 W	45	64
4 1	15 17.55	+ 1 15.6	0.945	1.830	20.3	21.3	141 W	46	63
4 6	15 14.32	+ 2 35.9	0.935	1.847	18.0	21.2	145 W	48	61
4 11	15 10.17	+ 3 54.2	0.929	1.863	15.9	21.2	149 W	49	60
4 16	15 5.25	+ 5 8.3	0.928	1.879	14.0	21.1	153 W	50	59
4 21	14 59.77	+ 6 16.1	0.933	1.894	12.6	21.1	156 W	51	58
4 26	14 53.94	+ 7 15.6	0.943	1.910	11.9	21.1	157 W	52	57
5 1	14 47.99	+ 8 5.3	0.959	1.925	12.0	21.2	157 W	53	56
5 6	14 42.14	+ 8 44.4	0.980	1.940	12.8	21.3	155 E	54	55
5 11	14 36.61	+ 9 12.3	1.006	1.955	14.2	21.4	152 E	54	55
5 16	14 31.58	+ 9 28.8	1.038	1.970	15.8	21.5	148 E	54	55
5 21	14 27.19	+ 9 34.7	1.075	1.984	17.5	21.7	144 E	55	54
5 26	14 23.55	+ 9 30.5	1.115	1.998	19.2	21.8	140 E	55	54
5 31	14 20.71	+ 9 17.5	1.160	2.012	20.8	22.0	135 E	54	55

535203 2014 YJ_{15}

3 27	15 23.77	−32 50.5	2.621	3.329	13.7	21.5	128 W	12	83
4 6	15 18.96	−32 21.9	2.496	3.312	11.6	21.3	138 W	13	84
4 16	15 11.92	−31 35.3	2.392	3.293	9.0	21.1	149 W	13	84
4 26	15 3.17	−30 29.4	2.313	3.274	6.2	20.9	159 W	15	86
5 6	14 53.46	−29 5.1	2.262	3.254	3.9	20.7	167 W	16	87
5 16	14 43.70	−27 26.0	2.242	3.233	4.2	20.7	166 E	18	89
5 26	14 34.82	−25 38.2	2.252	3.211	6.9	20.8	158 E	19	90
6 5	14 27.54	−23 49.2	2.290	3.188	10.0	21.0	147 E	21	88
6 15	14 22.35	−22 5.9	2.353	3.165	12.8	21.1	136 E	23	86
6 25	14 19.47	−20 33.7	2.436	3.140	15.2	21.3	126 E	24*	85
7 5	14 18.92	−19 15.6	2.535	3.115	17.1	21.4	116 E	24*	83

229958 1999 RD_{43}

3 27	15 29.76	−10 5.1	1.678	2.469	17.2	21.3	133 W	35	74
4 6	15 26.29	− 9 40.4	1.557	2.435	14.1	21.0	144 W	35	74
4 16	15 19.67	− 9 9.8	1.455	2.400	10.4	20.7	154 W	36	73
4 26	15 10.25	− 8 36.7	1.377	2.364	6.2	20.3	165 W	36	73
5 1	15 4.72	− 8 20.5	1.347	2.345	4.4	20.2	170 W	37	72
5 6	14 58.81	− 8 5.3	1.324	2.326	3.7	20.1	171 W	37	72
5 11	14 52.69	− 7 51.9	1.308	2.307	4.8	20.1	169 E	37	72
5 16	14 46.55	− 7 40.9	1.298	2.288	6.8	20.2	164 E	37	72

229958 1999 RD_{43} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
5 21	14 40.57	− 7 33.0	1.295	2.269	9.3	20.3	159 E	37	72
5 26	14 34.93	− 7 28.8	1.298	2.249	11.7	20.3	153 E	38	71
6 5	14 25.25	− 7 32.6	1.321	2.209	16.5	20.5	142 E	37	72
6 15	14 18.43	− 7 54.0	1.362	2.168	20.7	20.7	131 E	37	72
6 25	14 14.97	− 8 33.0	1.417	2.126	24.2	20.8	121 E	36*	73
7 5	14 14.93	− 9 27.9	1.481	2.084	26.9	21.0	112 E	34*	73
7 15	14 18.19	−10 36.6	1.551	2.041	29.0	21.1	103 E	31*	75
7 25	14 24.52	−11 56.6	1.622	1.998	30.4	21.2	96 E	27*	76
8 4	14 33.61	−13 25.4	1.692	1.954	31.3	21.2	89 E	24*	77*
8 14	14 45.28	−15 0.8	1.760	1.910	31.7	21.3	82 E	21*	74*
8 24	14 59.31	−16 40.2	1.823	1.866	31.8	21.3	76 E	19*	70*
9 3	15 15.56	−18 21.1	1.882	1.822	31.6	21.3	71 E	17*	65*
9 13	15 33.96	−20 1.2	1.934	1.779	31.1	21.3	66 E	16*	60*
9 23	15 54.45	−21 37.7	1.981	1.736	30.4	21.3	61 E	14*	55*
10 3	16 16.96	−23 7.5	2.022	1.694	29.6	21.3	57 E	13*	51*
10 13	16 41.47	−24 27.5	2.057	1.653	28.7	21.2	53 E	12*	47*
10 23	17 7.92	−25 34.2	2.086	1.615	27.6	21.2	49 E	12*	43*
11 2	17 36.18	−26 24.0	2.110	1.578	26.5	21.1	45 E	11*	39*
11 12	18 6.11	−26 53.3	2.130	1.543	25.4	21.0	42 E	11*	35*
11 22	18 37.44	−26 58.9	2.147	1.512	24.2	21.0	39 E	11*	32*
12 2	19 9.88	−26 38.0	2.162	1.484	23.1	20.9	36 E	11*	29*
12 12	19 43.08	−25 48.9	2.175	1.459	21.9	20.9	34 E	11*	26*
12 22	20 16.62	−24 30.9	2.189	1.439	20.7	20.8	31 E	11*	23*
1 1	20 50.16	−22 44.9	2.203	1.424	19.5	20.8	29 E	12*	20*
1 11	21 23.39	−20 32.6	2.220	1.413	18.3	20.7	27 E	12*	17*
1 21	21 56.05	−17 57.3	2.239	1.408	17.1	20.7	25 E	11*	15*

310879 2003 ON_{12}

3 27	15 30.67	−43 15.8	2.338	2.986	16.5	21.4	122 W	2	73
4 6	15 26.15	−43 53.4	2.219	2.969	14.8	21.2	131 W	1	72
4 16	15 18.52	−44 11.8	2.116	2.951	12.8	21.0	139 W	1	72
4 26	15 8.30	−44 5.6	2.035	2.932	10.7	20.9	147 W	1	72
5 6	14 56.46	−43 31.0	1.977	2.912	9.1	20.7	153 W	1	72
5 16	14 44.30	−42 27.5	1.945	2.891	8.6	20.6	155 E	3	74
5 26	14 33.22	−40 59.5	1.939	2.869	9.8	20.7	151 E	4	75
6 5	14 24.34	−39 15.1	1.958	2.846	11.9	20.8	145 E	6	77
6 15	14 18.34	−37 24.0	2.001	2.823	14.4	20.9	136 E	8	79
6 25	14 15.51	−35 35.4	2.063	2.798	16.8	21.0	127 E	9*	80
7 5	14 15.74	−33 56.2	2.140	2.773	18.8	21.1	118 E	10*	82
7 15	14 18.82	−32 30.4	2.230	2.747	20.4	21.2	110 E	10*	83
7 25	14 24.45	−31 19.7	2.327	2.720	21.5	21.4	102 E	9*	85
8 4	14 32.27	−30 23.9	2.429	2.693	22.1	21.4	94 E	9*	84*

527977 2008 EY_{68}

3 27	15 33.96	+ 6 57.4	0.404	1.300	35.1	22.3	131 W	52	57
4 1	15 21.48	+12 38.4	0.366	1.290	32.1	22.0	137 W	58	51
4 6	15 3.90	+19 14.8	0.336	1.277	30.2	21.8	140 W	64	45
4 11	14 40.01	+26 30.0	0.316	1.260	30.8	21.6	140 W	72	37
4 16	14 8.88	+33 46.8	0.305	1.240	34.6	21.6	136 W	79	30
4 21	13 30.65	+40 14.3	0.305	1.216	40.8	21.8	128 E	85	24
4 26	12 47.33	+45 9.1	0.315	1.188	48.2	22.0	118 E	90	19
5 1	12 2.72	+48 15.2	0.332	1.157	55.7	22.2	109 E	87	16
5 6	11 20.89	+49 45.0	0.355	1.121	62.7	22.5	99 E	85	14

415996 2002 AT_{69}

3 27	15 34.02	−31 36.8	2.349	3.049	15.3	21.4	126 W	13	84
4 6	15 30.61	−31 47.1	2.213	3.018	13.2	21.2	137 W	13	84
4 16	15 24.54	−31 43.0	2.095	2.987	10.6	21.0	147 W	13	84
4 26	15 16.17	−31 21.7	2.001	2.954	7.6	20.7	157 W	14	85
5 6	15 6.19	−30 41.8	1.933	2.920	5.0	20.5	165 W	14	85
5 11	15 0.88	−30 14.9	1.909	2.903	4.4	20.4	167 E	15	86
5 16	14 55.56	−29 43.9	1.893	2.886	4.6	20.4	167 E	15	86
5 21	14 50.36	−29 9.4	1.883	2.868	5.7	20.4	164 E	16	87
5 26	14 45.43	−28 32.2	1.881	2.851	7.2	20.5	159 E	16	87
5 31	14 40.89	−27 53.2	1.885	2.833	8.9	20.5	154 E	17	88
6 5	14 36.83	−27 13.3	1.895	2.815	10.7	20.6	149 E	18	89
6 10	14 33.34	−26 33.4	1.912	2.796	12.4	20.7	144 E	18	89
6 15	14 30.49	−25 54.5	1.934	2.778	14.0	20.7	139 E	19	90
6 20	14 28.33	−25 17.3	1.960	2.759	15.5	20.8	133 E	20	89
6 25	14 26.86	−24 42.4	1.991	2.740	16.9	20.9	128 E	20*	89
6 30	14 26.11	−24 10.4	2.026	2.721	18.2	20.9	123 E	20*	88
7 5	14 26.05	−23 41.5	2.064	2.702	19.3	21.0	119 E	20*	88
7 10	14 26.68	−23 16.1	2.104	2.682	20.3	21.1	114 E	20*	87
7 15	14 27.97	−22 54.2	2.147	2.663	21.1	21.1	109 E	19*	87
7 20	14 29.91	−22 35.9	2.191	2.643	21.8	21.2	105 E	19*	87
7 25	14 32.45	−22 21.0	2.236	2.623	22.4	21.2	101 E	18*	86
7 30	14 35.57	−22 9.5	2.282	2.603	22.8	21.3	97 E	18*	86
8 4	14 39.23	−22 1.1	2.328	2.583	23.1	21.3	93 E	17*	85*
8 9	14 43.42	−21 55.7	2.374	2.562	23.3	21.3	89 E	16*	82*
8 14	14 48.10	−21 52.9	2.420	2.541	23.4	21.3	85 E	16*	79*

415996 2002 AT_{69} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
8 19	14 53.25	−21 52.6	2.465	2.521	23.4	21.4	81 E	15*	75*
8 24	14 58.85	−21 54.4	2.509	2.500	23.3	21.4	78 E	14*	72*
8 29	15 4.86	−21 58.1	2.551	2.479	23.1	21.4	74 E	14*	68*
9 3	15 11.28	−22 3.3	2.593	2.457	22.8	21.4	71 E	13*	65*
9 8	15 18.09	−22 9.9	2.632	2.436	22.5	21.4	68 E	13*	62*
9 13	15 25.27	−22 17.4	2.670	2.415	22.1	21.4	65 E	13*	58*
9 18	15 32.80	−22 25.7	2.706	2.393	21.6	21.4	61 E	12*	55*
9 23	15 40.68	−22 34.4	2.740	2.371	21.1	21.4	58 E	12*	52*
9 28	15 48.88	−22 43.2	2.772	2.350	20.5	21.4	55 E	11*	49*
10 3	15 57.40	−22 51.9	2.801	2.328	19.9	21.4	52 E	11*	46*
10 8	16 6.24	−23 0.3	2.828	2.306	19.2	21.3	49 E	11*	43*
10 13	16 15.37	−23 8.0	2.853	2.284	18.5	21.3	47 E	10*	40*
10 18	16 24.79	−23 14.7	2.875	2.262	17.7	21.3	44 E	10*	38*
10 23	16 34.48	−23 20.3	2.894	2.240	16.9	21.3	41 E	10*	35*
10 28	16 44.44	−23 24.4	2.911	2.218	16.1	21.2	38 E	10*	32*
11 2	16 54.66	−23 26.8	2.926	2.196	15.2	21.2	36 E	9*	29*
11 7	17 5.13	−23 27.2	2.938	2.174	14.4	21.1	33 E	9*	26*
11 12	17 15.84	−23 25.5	2.947	2.152	13.4	21.1	30 E	8*	24*
11 17	17 26.76	−23 21.3	2.954	2.130	12.5	21.0	28 E	8*	21*
11 22	17 37.90	−23 14.5	2.958	2.108	11.6	21.0	25 E	7*	18*
11 27	17 49.23	−23 4.8	2.960	2.086	10.6	20.9	23 E	7*	15*
12 2	18 0.76	−22 52.0	2.959	2.064	9.6	20.9	20 E	6*	13*
12 7	18 12.46	−22 36.0	2.956	2.043	8.6	20.8	18 E	6*	10*
12 12	18 24.31	−22 16.6	2.951	2.021	7.6	20.7	16 E	5*	8*
12 17	18 36.31	−21 53.6	2.943	2.000	6.6	20.6	14 E	4*	5*
12 22	18 48.44	−21 26.9	2.934	1.979	5.6	20.6	11 E	3*	3*
12 27	19 0.68	−20 56.3	2.922	1.958	4.6	20.5	9 E	2*	1*
1 1	19 13.03	−20 21.8	2.909	1.937	3.6	20.4	7 E	—	—
1 6	19 25.47	−19 43.2	2.894	1.917	2.7	20.3	5 E	—	—
1 11	19 37.97	−19 0.6	2.877	1.897	1.9	20.2	4 E	—	—
1 16	19 50.54	−18 13.8	2.859	1.877	1.5	20.1	3 E	—	—
1 21	20 3.16	−17 23.0	2.839	1.858	1.7	20.1	3 W	—	—

308020 2004 RM_{222}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
3 27	15 39.35	−28 43.6	3.267	3.943	11.7	21.5	126 W	16	87
4 6	15 34.55	−29 3.3	3.170	3.961	9.9	21.3	137 W	16	87
4 16	15 27.91	−29 14.2	3.095	3.979	7.8	21.2	148 W	16	87
4 26	15 19.84	−29 15.0	3.045	3.995	5.4	21.1	158 W	16	87
5 6	15 10.90	−29 5.6	3.023	4.011	3.3	20.9	167 W	16	87
5 16	15 1.75	−28 46.7	3.031	4.026	2.9	20.9	168 E	16	87
5 26	14 53.11	−28 20.8	3.070	4.041	4.7	21.1	161 E	17	88
6 5	14 45.55	−27 50.8	3.137	4.054	7.0	21.2	151 E	17	88
6 15	14 39.52	−27 20.2	3.229	4.067	9.1	21.4	141 E	18	89

363829 2005 PQ_{6}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
3 27	15 40.96	+23 19.0	2.527	3.210	14.7	21.5	125 W	68	41
4 1	15 39.25	+24 8.2	2.482	3.197	14.2	21.4	128 W	69	40
4 6	15 36.95	+24 55.4	2.441	3.184	13.8	21.3	131 W	70	39
4 11	15 34.06	+25 39.7	2.405	3.170	13.5	21.3	133 W	71	38
4 16	15 30.62	+26 19.9	2.374	3.157	13.2	21.2	134 W	71	38
4 21	15 26.70	+26 55.1	2.348	3.143	13.0	21.2	135 W	72	37
4 26	15 22.36	+27 24.4	2.327	3.129	12.9	21.2	136 W	72	37
5 1	15 17.70	+27 47.0	2.312	3.115	13.0	21.1	136 W	73	36
5 6	15 12.80	+28 2.1	2.302	3.100	13.2	21.1	135 W	73	36
5 11	15 7.79	+28 9.4	2.297	3.086	13.6	21.1	134 E	73	36
5 16	15 2.77	+28 8.5	2.297	3.071	14.1	21.1	132 E	73	36
5 21	14 57.86	+27 59.2	2.303	3.056	14.6	21.2	130 E	73	36
5 26	14 53.18	+27 41.8	2.313	3.040	15.3	21.2	128 E	73	36
5 31	14 48.81	+27 16.7	2.328	3.025	15.9	21.2	125 E	72	37
6 5	14 44.85	+26 44.2	2.346	3.009	16.6	21.2	122 E	72	37
6 10	14 41.35	+26 4.9	2.369	2.993	17.3	21.3	119 E	71	38
6 15	14 38.38	+25 19.4	2.395	2.977	17.9	21.3	116 E	70	39
6 20	14 35.97	+24 28.6	2.424	2.961	18.5	21.3	112 E	69	40
6 25	14 34.14	+23 33.0	2.455	2.944	19.1	21.4	109 E	69*	40
6 30	14 32.90	+22 33.5	2.489	2.927	19.6	21.4	105 E	67*	41
7 5	14 32.24	+21 30.6	2.525	2.911	20.0	21.4	102 E	65*	42
7 10	14 32.16	+20 24.8	2.562	2.893	20.3	21.5	99 E	62*	44
7 15	14 32.65	+19 16.8	2.601	2.876	20.6	21.5	95 E	60*	45

276297 2002 TZ_{96}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
3 27	15 45.83	−10 49.7	1.649	2.405	18.8	21.5	129 W	34	75
4 6	15 44.04	−10 31.5	1.529	2.377	16.0	21.2	139 W	34	75
4 16	15 39.06	−10 8.3	1.426	2.348	12.4	20.9	150 W	35	74
4 26	15 31.05	− 9 43.1	1.345	2.318	8.3	20.5	161 W	35	74
5 6	15 20.66	− 9 19.4	1.288	2.288	4.4	20.2	170 W	36	73
5 11	15 14.89	− 9 9.6	1.269	2.273	3.8	20.2	171 W	36	73
5 16	15 8.96	− 9 1.8	1.257	2.257	5.0	20.2	169 E	36	73
5 21	15 3.06	− 8 56.8	1.251	2.241	7.2	20.3	164 E	36	73
5 26	14 57.38	− 8 55.0	1.252	2.226	9.6	20.4	159 E	36	73

276297 2002 TZ_{96} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
6 5	14 47.32	− 9 2.4	1.270	2.193	14.5	20.5	147 E	36	73
6 15	14 39.87	− 9 25.8	1.309	2.161	18.9	20.7	136 E	36	73
6 25	14 35.68	−10 5.6	1.363	2.128	22.7	20.9	126 E	35*	74
7 5	14 34.92	−11 0.1	1.428	2.094	25.7	21.1	117 E	33*	75
7 15	14 37.54	−12 7.3	1.501	2.061	27.9	21.2	108 E	30*	76
7 25	14 43.31	−13 24.8	1.578	2.027	29.5	21.3	101 E	28*	77
8 4	14 51.93	−14 49.9	1.657	1.994	30.5	21.4	93 E	25*	79
8 14	15 3.17	−16 20.3	1.735	1.960	31.1	21.5	87 E	22*	78*

218323 2003 YM_{117}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
3 27	15 58.32	−13 54.8	1.906	2.616	18.1	21.4	126 W	31	78
4 6	15 56.37	−13 36.4	1.786	2.599	15.5	21.2	136 W	31	78
4 16	15 51.46	−13 11.9	1.683	2.581	12.3	20.9	147 W	32	77
4 26	15 43.78	−12 42.9	1.602	2.563	8.4	20.6	158 W	32	77
5 6	15 33.92	−12 11.9	1.546	2.543	4.4	20.4	169 W	33	76
5 11	15 28.44	−11 56.8	1.528	2.533	2.9	20.2	173 W	33	76
5 16	15 22.78	−11 42.5	1.517	2.522	3.0	20.2	172 E	33	76
5 21	15 17.12	−11 29.6	1.512	2.512	4.7	20.3	168 E	34	75
5 26	15 11.61	−11 18.6	1.515	2.501	6.9	20.4	163 E	34	75
6 5	15 1.60	−11 4.3	1.540	2.478	11.3	20.6	151 E	34	75
6 15	14 53.73	−11 2.2	1.587	2.454	15.4	20.8	140 E	34	75
6 25	14 48.61	−11 13.8	1.653	2.430	18.8	21.0	130 E	34	75
7 5	14 46.48	−11 38.8	1.732	2.405	21.5	21.1	120 E	33*	76
7 15	14 47.31	−12 16.1	1.822	2.379	23.6	21.3	111 E	31*	76
7 25	14 50.94	−13 3.9	1.917	2.351	25.0	21.4	102 E	28*	77

454958 2015 TJ_{198}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
3 27	16 2.62	−16 28.6	1.187	1.933	25.3	21.4	124 W	29	80
4 6	16 6.97	−17 9.9	1.072	1.901	22.7	21.0	133 W	28	81
4 16	16 7.78	−17 51.5	0.970	1.869	19.1	20.7	142 W	27	82
4 26	16 4.66	−18 35.0	0.884	1.838	14.5	20.3	153 W	26	83
5 6	15 57.66	−19 20.5	0.816	1.807	8.8	19.8	164 W	26	83
5 11	15 52.86	−19 43.8	0.789	1.792	5.6	19.6	170 W	25	84
5 16	15 47.40	−20 7.2	0.768	1.778	2.3	19.3	176 W	25	84
5 21	15 41.52	−20 30.6	0.751	1.763	1.3	19.2	178 E	24	85
5 26	15 35.48	−20 53.9	0.741	1.749	4.8	19.4	172 E	24	85
5 31	15 29.55	−21 17.2	0.735	1.736	8.3	19.5	166 E	24	85
6 5	15 24.01	−21 40.5	0.734	1.722	11.8	19.6	160 E	23	86
6 10	15 19.12	−22 4.1	0.739	1.709	15.2	19.7	154 E	23	86
6 15	15 15.10	−22 28.3	0.747	1.697	18.3	19.9	148 E	23	86
6 20	15 12.14	−22 53.6	0.759	1.685	21.3	20.0	143 E	22	87
6 25	15 10.35	−23 20.2	0.775	1.674	24.0	20.1	138 E	22	87
7 5	15 10.43	−24 18.0	0.814	1.652	28.7	20.3	129 E	21*	88
7 15	15 15.45	−25 22.1	0.863	1.633	32.4	20.5	120 E	19*	89
7 25	15 25.13	−26 31.1	0.917	1.617	35.2	20.7	113 E	17*	89
8 4	15 38.97	−27 42.0	0.976	1.603	37.2	20.9	107 E	16*	88
8 14	15 56.52	−28 50.9	1.039	1.592	38.5	21.0	102 E	14*	87
8 24	16 17.32	−29 53.7	1.105	1.584	39.3	21.2	97 E	13*	86
9 3	16 40.86	−30 45.8	1.172	1.579	39.7	21.3	92 E	12*	84*
9 13	17 6.73	−31 23.1	1.243	1.577	39.6	21.4	88 E	12*	80*

393804 2005 QH_{71}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
3 27	16 7.05	−16 56.2	1.626	2.327	21.0	21.4	123 W	28	81
4 6	16 8.46	−16 30.4	1.493	2.293	18.7	21.1	133 W	28	81
4 16	16 6.68	−15 54.0	1.374	2.257	15.5	20.8	143 W	29	80
4 26	16 1.61	−15 7.7	1.274	2.221	11.5	20.5	154 W	30	79
5 6	15 53.52	−14 13.6	1.195	2.185	6.9	20.1	165 W	31	78
5 11	15 48.55	−13 44.6	1.164	2.166	4.6	19.9	170 W	31	78
5 16	15 43.16	−13 15.3	1.140	2.148	3.0	19.8	174 W	32	77
5 21	15 37.52	−12 46.4	1.122	2.129	3.8	19.7	172 E	32	77
5 26	15 31.83	−12 19.0	1.110	2.110	6.1	19.8	167 E	33	76
5 31	15 26.28	−11 53.7	1.104	2.091	8.8	19.9	162 E	33	76
6 5	15 21.07	−11 31.4	1.105	2.072	11.6	20.0	156 E	33	76
6 10	15 16.36	−11 13.0	1.110	2.053	14.3	20.1	150 E	34	75
6 15	15 12.32	−10 59.0	1.120	2.034	16.9	20.2	144 E	34	75
6 25	15 6.68	−10 45.7	1.154	1.995	21.7	20.4	134 E	34	75
7 5	15 4.63	−10 52.4	1.201	1.957	25.6	20.5	124 E	34*	75
7 15	15 6.31	−11 17.9	1.256	1.918	28.8	20.7	115 E	33*	75
7 25	15 11.58	−11 59.4	1.317	1.880	31.2	20.8	107 E	31*	76
8 4	15 20.14	−12 53.5	1.381	1.843	32.9	20.9	99 E	29*	77
8 14	15 31.72	−13 56.7	1.445	1.806	34.1	21.0	93 E	27*	78*
8 24	15 46.05	−15 5.2	1.508	1.770	34.8	21.1	87 E	25*	77*
9 3	16 2.87	−16 15.6	1.569	1.735	35.1	21.1	82 E	24*	74*
9 13	16 22.01	−17 24.2	1.627	1.702	35.1	21.2	77 E	23*	69*
9 23	16 43.28	−18 27.7	1.682	1.670	34.8	21.2	72 E	22*	65*
10 3	17 6.51	−19 22.4	1.734	1.640	34.4	21.2	68 E	21*	61*
10 13	17 31.53	−20 5.3	1.783	1.613	33.7	21.2	64 E	21*	57*

393804 2005 QH_{71} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
10 23	17 58.13	−20 32.9	1.830	1.588	32.9	21.2	60 E	21*	53*
11 2	18 26.08	−20 42.7	1.875	1.567	31.9	21.2	57 E	21*	49*
11 12	18 55.14	−20 32.3	1.919	1.548	30.9	21.2	53 E	21*	45*
11 22	19 24.99	−20 0.2	1.962	1.533	29.7	21.2	50 E	21*	41*
12 2	19 55.33	−19 5.8	2.005	1.522	28.5	21.2	47 E	22*	36*
12 12	20 25.89	−17 49.3	2.048	1.515	27.2	21.2	45 E	22*	32*
12 22	20 56.40	−16 12.1	2.093	1.512	25.8	21.2	42 E	23*	29*
1 1	21 26.65	−14 16.3	2.140	1.512	24.3	21.2	39 E	23*	25*
1 11	21 56.50	−12 4.4	2.188	1.517	22.8	21.2	37 E	23*	22*
1 21	22 25.82	− 9 39.7	2.238	1.526	21.2	21.2	34 E	22*	19*

277530 2005 XM_{66}

3 27	16 8.95	+ 7 13.0	2.230	2.894	16.8	21.3	123 W	52	57
4 6	16 5.61	+ 8 2.8	2.123	2.884	15.1	21.2	131 W	53	56
4 16	15 59.60	+ 8 47.5	2.033	2.873	13.1	21.0	140 W	54	55
4 26	15 51.18	+ 9 20.8	1.965	2.860	11.1	20.8	147 W	54	55
5 6	15 40.89	+ 9 36.4	1.921	2.847	9.8	20.7	151 W	55	54
5 16	15 29.56	+ 9 29.5	1.903	2.833	9.8	20.7	151 E	54	55
5 26	15 18.22	+ 8 57.4	1.911	2.817	11.2	20.8	147 E	54	55
6 5	15 7.85	+ 8 0.9	1.945	2.801	13.4	20.9	140 E	53	56
6 15	14 59.28	+ 6 42.8	2.000	2.784	15.8	21.0	132 E	52	57
6 25	14 53.02	+ 5 7.7	2.075	2.765	17.9	21.1	123 E	50	59
7 5	14 49.30	+ 3 20.4	2.165	2.746	19.7	21.3	114 E	48*	61
7 15	14 48.13	+ 1 25.1	2.265	2.726	21.0	21.4	106 E	44*	63
7 25	14 49.39	− 0 34.9	2.372	2.704	21.8	21.5	98 E	40*	65

506297 2017 MS_6

3 27	16 9.90	−11 15.4	1.613	2.314	21.2	21.5	123 W	34	75
4 6	16 12.58	−10 56.3	1.470	2.265	19.1	21.2	132 W	34	75
4 16	16 12.32	−10 32.0	1.340	2.217	16.3	20.8	142 W	34	75
4 26	16 8.87	−10 5.3	1.229	2.167	12.8	20.5	152 W	35	74
5 6	16 2.32	− 9 39.8	1.137	2.118	8.7	20.1	162 W	35	74
5 11	15 58.01	− 9 28.8	1.100	2.094	6.7	19.9	166 W	36	73
5 16	15 53.14	− 9 20.0	1.068	2.070	5.4	19.8	169 W	36	73
5 21	15 47.89	− 9 14.1	1.042	2.045	5.4	19.7	169 E	36	73
5 26	15 42.43	− 9 11.6	1.023	2.021	6.8	19.7	166 E	36	73
5 31	15 36.95	− 9 13.1	1.008	1.997	9.1	19.7	162 E	36	73
6 5	15 31.65	− 9 19.2	1.000	1.973	11.7	19.8	157 E	36	73
6 15	15 22.41	− 9 46.0	0.998	1.926	17.2	19.9	146 E	35	74
6 25	15 16.06	−10 33.4	1.013	1.879	22.2	20.1	136 E	34	75
7 5	15 13.41	−11 39.8	1.042	1.834	26.7	20.2	126 E	33*	76
7 15	15 14.82	−13 2.8	1.081	1.791	30.3	20.3	117 E	31*	77
7 25	15 20.32	−14 38.8	1.125	1.750	33.2	20.5	109 E	29*	79
8 4	15 29.69	−16 23.8	1.174	1.711	35.4	20.6	103 E	26*	80
8 14	15 42.70	−18 13.9	1.224	1.674	37.0	20.7	96 E	24*	82
8 24	15 59.10	−20 4.8	1.275	1.641	38.0	20.7	91 E	21*	83*
9 3	16 18.62	−21 52.0	1.325	1.611	38.7	20.8	86 E	20*	80*
9 13	16 41.07	−23 30.9	1.376	1.585	38.9	20.8	82 E	18*	76*
9 23	17 6.19	−24 56.7	1.428	1.564	38.9	20.9	78 E	17*	72*
10 3	17 33.66	−26 4.7	1.479	1.547	38.5	20.9	74 E	17*	68*
10 13	18 3.17	−26 50.5	1.533	1.535	38.0	21.0	71 E	16*	65*
10 23	18 34.24	−27 10.4	1.588	1.529	37.2	21.0	68 E	16*	62*
11 2	19 6.36	−27 1.9	1.646	1.527	36.2	21.1	65 E	17*	59*
11 12	19 39.00	−26 24.0	1.707	1.531	35.1	21.1	63 E	18*	56*
11 22	20 11.62	−25 17.4	1.773	1.540	33.8	21.2	60 E	19*	52*
12 2	20 43.78	−23 44.2	1.843	1.555	32.3	21.3	58 E	20*	49*
12 12	21 15.13	−21 47.7	1.918	1.574	30.8	21.3	55 E	22*	45*
12 22	21 45.45	−19 32.0	1.998	1.597	29.1	21.4	52 E	23*	41*
1 1	22 14.62	−17 1.7	2.082	1.625	27.4	21.5	49 E	25*	37*

377470 2004 XX_{161}

3 27	16 13.52	−23 12.1	2.711	3.331	14.9	21.4	121 W	22	87
4 6	16 11.72	−23 32.3	2.561	3.303	13.3	21.2	131 W	21	88
4 16	16 7.52	−23 47.8	2.429	3.274	11.0	21.0	141 W	21	88
4 26	16 1.00	−23 57.7	2.318	3.245	8.2	20.8	153 W	21	88
5 6	15 52.50	−24 0.9	2.233	3.214	5.0	20.5	164 W	21	88
5 16	15 42.62	−23 56.9	2.175	3.183	1.8	20.2	174 W	21	88
5 21	15 37.43	−23 52.4	2.158	3.167	1.6	20.2	175 E	21	88
5 26	15 32.22	−23 46.5	2.147	3.151	3.0	20.3	171 E	21	88
5 31	15 27.11	−23 39.4	2.144	3.135	4.8	20.3	165 E	21	88
6 5	15 22.22	−23 31.5	2.148	3.118	6.6	20.4	159 E	21	88
6 10	15 17.65	−23 23.2	2.159	3.102	8.3	20.5	154 E	22	87
6 15	15 13.51	−23 15.0	2.176	3.085	10.0	20.6	148 E	22	87
6 20	15 9.86	−23 7.3	2.199	3.068	11.6	20.7	142 E	22	87
6 25	15 6.77	−23 0.6	2.227	3.051	13.1	20.7	137 E	22	87
6 30	15 4.27	−22 55.0	2.260	3.033	14.5	20.8	132 E	22	87
7 5	15 2.39	−22 51.1	2.298	3.016	15.7	20.9	127 E	22*	87
7 10	15 1.16	−22 48.9	2.338	2.998	16.8	20.9	122 E	22*	87
7 15	15 0.56	−22 48.7	2.382	2.980	17.8	21.0	117 E	21*	87
7 20	15 0.60	−22 50.6	2.428	2.961	18.6	21.0	112 E	20*	87

377470 2004 XX_{161} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
7 25	15 1.26	−22 54.5	2.476	2.943	19.2	21.1	107 E	20*	87
7 30	15 2.52	−23 0.5	2.526	2.924	19.8	21.1	103 E	19*	87
8 4	15 4.36	−23 8.5	2.576	2.906	20.2	21.2	99 E	18*	87
8 9	15 6.75	−23 18.4	2.627	2.887	20.5	21.2	94 E	17*	87*
8 14	15 9.68	−23 30.2	2.678	2.868	20.7	21.2	90 E	16*	84*
8 19	15 13.12	−23 43.6	2.728	2.848	20.8	21.3	86 E	15*	80*
8 24	15 17.05	−23 58.6	2.778	2.829	20.8	21.3	82 E	14*	76*
8 29	15 21.43	−24 14.8	2.827	2.809	20.6	21.3	79 E	14*	73*
9 3	15 26.26	−24 32.2	2.874	2.789	20.5	21.3	75 E	13*	69*
9 8	15 31.51	−24 50.6	2.920	2.769	20.2	21.3	71 E	12*	65*
9 13	15 37.17	−25 9.8	2.965	2.749	19.8	21.3	68 E	11*	62*
9 18	15 43.23	−25 29.6	3.007	2.729	19.4	21.4	64 E	11*	58*
9 23	15 49.65	−25 49.8	3.047	2.708	18.9	21.3	61 E	10*	55*
9 28	15 56.43	−26 10.2	3.085	2.688	18.4	21.3	58 E	9*	52*
10 3	16 3.56	−26 30.6	3.120	2.667	17.8	21.3	55 E	9*	48*
10 8	16 11.03	−26 50.8	3.152	2.646	17.2	21.3	51 E	8*	45*
10 13	16 18.82	−27 10.7	3.182	2.625	16.5	21.3	48 E	7*	42*
10 18	16 26.93	−27 30.0	3.209	2.604	15.7	21.3	45 E	7*	39*
10 23	16 35.34	−27 48.5	3.233	2.583	15.0	21.2	42 E	6*	36*
10 28	16 44.04	−28 6.0	3.254	2.561	14.2	21.2	39 E	5*	33*
11 2	16 53.03	−28 22.4	3.272	2.540	13.3	21.2	36 E	5*	30*
11 7	17 2.29	−28 37.5	3.287	2.518	12.5	21.1	33 E	4*	27*
11 12	17 11.82	−28 51.0	3.299	2.496	11.6	21.1	30 E	3*	24*
11 17	17 21.60	−29 2.9	3.308	2.474	10.7	21.0	28 E	3*	22*
11 22	17 31.63	−29 12.8	3.313	2.453	9.7	21.0	25 E	2*	19*
11 27	17 41.88	−29 20.7	3.316	2.431	8.8	20.9	22 E	1*	16*
12 2	17 52.36	−29 26.4	3.315	2.409	7.9	20.9	20 E	—	13*
12 7	18 3.05	−29 29.8	3.311	2.386	6.9	20.8	17 E	—	11*
12 12	18 13.93	−29 30.6	3.305	2.364	6.0	20.7	15 E	—	8*
12 17	18 25.00	−29 28.8	3.295	2.342	5.1	20.7	12 E	—	6*
12 22	18 36.23	−29 24.1	3.282	2.320	4.2	20.6	10 E	—	4*
12 27	18 47.62	−29 16.6	3.267	2.298	3.5	20.5	8 E	—	2*
1 1	18 59.15	−29 6.0	3.249	2.276	3.0	20.4	7 E	—	—
1 6	19 10.81	−28 52.4	3.228	2.253	2.8	20.4	6 E	—	—
1 11	19 22.59	−28 35.5	3.205	2.231	3.0	20.4	7 W	—	—
1 16	19 34.46	−28 15.4	3.179	2.209	3.6	20.4	8 W	—	1*
1 21	19 46.41	−27 52.0	3.151	2.187	4.3	20.4	10 W	—	3*

249006 2007 PR_{16}

3 27	16 21.82	−10 49.6	1.868	2.522	20.0	21.4	120 W	34	75
4 6	16 23.14	−10 15.1	1.732	2.492	18.1	21.1	129 W	35	74
4 16	16 21.59	− 9 34.9	1.611	2.460	15.4	20.8	139 W	35	74
4 26	16 17.09	− 8 51.6	1.508	2.428	12.2	20.6	149 W	36	73
5 6	16 9.83	− 8 8.9	1.426	2.396	8.6	20.3	159 W	37	72
5 11	16 5.33	− 7 49.2	1.394	2.379	6.9	20.1	163 W	37	72
5 16	16 0.39	− 7 31.4	1.368	2.363	5.8	20.0	166 W	37	72
5 21	15 55.15	− 7 16.2	1.349	2.346	5.5	19.9	167 W	38	71
5 26	15 49.78	− 7 4.3	1.336	2.329	6.4	20.0	165 E	38	71
6 5	15 39.27	− 6 52.0	1.329	2.295	10.1	20.1	157 E	38	71
6 15	15 30.12	− 6 57.4	1.345	2.261	14.5	20.2	146 E	38	71
6 25	15 23.36	− 7 21.4	1.381	2.226	18.5	20.4	136 E	38	71
7 5	15 19.60	− 8 2.7	1.433	2.192	22.0	20.5	126 E	37	72
7 15	15 19.09	− 8 58.9	1.496	2.157	24.8	20.7	117 E	36*	73
7 25	15 21.82	−10 7.2	1.568	2.122	27.0	20.8	109 E	33*	74
8 4	15 27.59	−11 24.4	1.643	2.087	28.5	20.9	101 E	31*	75
8 14	15 36.18	−12 47.5	1.721	2.052	29.5	21.0	94 E	28*	77
8 24	15 47.34	−14 13.8	1.799	2.018	30.0	21.1	87 E	26*	76*
9 3	16 0.84	−15 40.5	1.875	1.984	30.1	21.2	81 E	24*	73*
9 13	16 16.50	−17 5.2	1.948	1.950	29.9	21.2	75 E	22*	68*
9 23	16 34.15	−18 25.4	2.017	1.918	29.4	21.2	70 E	21*	63*
10 3	16 53.64	−19 38.6	2.082	1.886	28.7	21.2	65 E	20*	58*
10 13	17 14.84	−20 42.5	2.143	1.856	27.7	21.2	60 E	19*	53*
10 23	17 37.60	−21 34.6	2.199	1.826	26.6	21.2	55 E	18*	48*
11 2	18 1.75	−22 12.7	2.251	1.799	25.4	21.2	51 E	17*	44*
11 12	18 27.13	−22 34.8	2.298	1.773	24.0	21.2	47 E	17*	39*
11 22	18 53.54	−22 39.2	2.341	1.749	22.5	21.1	43 E	16*	34*
12 2	19 20.75	−22 24.7	2.380	1.728	21.0	21.1	39 E	16*	30*
12 12	19 48.55	−21 50.5	2.416	1.708	19.4	21.1	35 E	15*	25*
12 22	20 16.70	−20 56.6	2.449	1.692	17.8	21.0	32 E	15*	21*
1 1	20 45.00	−19 43.5	2.479	1.678	16.1	21.0	28 E	14*	18*
1 11	21 13.26	−18 12.3	2.507	1.667	14.4	20.9	25 E	12*	14*
1 21	21 41.34	−16 24.8	2.533	1.659	12.7	20.9	22 E	11*	11*

453207 2008 GO_{115}

3 27	16 22.89	−21 27.2	1.648	2.301	22.3	21.5	119 W	24	85
4 6	16 20.98	−20 58.2	1.592	2.355	19.2	21.3	129 W	24	85
4 16	16 15.66	−20 19.6	1.550	2.409	15.4	21.2	140 W	25	84
4 26	16 7.44	−19 32.2	1.528	2.462	11.0	21.1	152 W	25	84
5 6	15 57.21	−18 38.3	1.528	2.514	6.3	20.9	164 W	26	83
5 16	15 46.11	−17 41.5	1.556	2.566	1.5	20.7	176 W	27	82
5 26	15 35.46	−16 46.9	1.611	2.616	3.6	21.0	171 E	28	81

453207 2008 GO_{115} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
6 5	15 26.31	−15 59.3	1.694	2.665	7.9	21.3	159 E	29	80
6 15	15 19.37	−15 22.4	1.801	2.714	11.6	21.7	148 E	30	79

306607 2000 OD_2

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	16 23.05	−13 0.7	1.854	2.503	20.2	21.4	120 W	32	77
4 6	16 24.76	−12 19.4	1.715	2.471	18.3	21.2	129 W	33	76
4 16	16 23.59	−11 29.8	1.591	2.439	15.7	20.9	139 W	34	75
4 26	16 19.44	−10 34.0	1.486	2.405	12.4	20.6	149 W	34	75
5 6	16 12.49	− 9 35.2	1.401	2.371	8.7	20.3	159 W	35	74
5 11	16 8.11	− 9 6.0	1.367	2.354	6.9	20.2	164 W	36	73
5 16	16 3.27	− 8 38.1	1.340	2.336	5.6	20.0	167 W	36	73
5 21	15 58.12	− 8 12.0	1.319	2.319	5.2	20.0	168 W	37	72
5 26	15 52.81	− 7 48.6	1.305	2.301	6.1	20.0	166 E	37	72
5 31	15 47.50	− 7 28.5	1.297	2.283	7.8	20.0	162 E	38	71
6 5	15 42.36	− 7 12.4	1.295	2.266	9.9	20.1	157 E	38	71
6 15	15 33.23	− 6 54.0	1.309	2.229	14.4	20.2	147 E	38	71
6 25	15 26.47	− 6 55.5	1.342	2.193	18.6	20.4	136 E	38	71
7 5	15 22.73	− 7 16.4	1.391	2.156	22.3	20.6	127 E	38	71
7 15	15 22.28	− 7 54.9	1.451	2.120	25.2	20.7	117 E	37*	72
7 25	15 25.11	− 8 47.7	1.519	2.083	27.5	20.8	109 E	35*	73
8 4	15 31.01	− 9 51.6	1.591	2.046	29.1	20.9	101 E	33*	74
8 14	15 39.78	−11 3.3	1.665	2.009	30.2	21.0	94 E	30*	75
8 24	15 51.16	−12 19.6	1.738	1.973	30.8	21.1	88 E	28*	75*
9 3	16 4.91	−13 37.5	1.809	1.937	31.0	21.2	82 E	26*	72*
9 13	16 20.84	−14 54.3	1.878	1.902	30.9	21.2	76 E	25*	68*
9 23	16 38.78	−16 7.2	1.943	1.868	30.5	21.2	71 E	24*	63*
10 3	16 58.57	−17 13.6	2.004	1.835	29.8	21.2	66 E	22*	58*
10 13	17 20.09	−18 10.9	2.061	1.803	29.0	21.2	61 E	22*	54*
10 23	17 43.16	−18 56.5	2.113	1.773	27.9	21.2	57 E	21*	49*
11 2	18 7.63	−19 28.2	2.162	1.744	26.8	21.2	52 E	20*	44*
11 12	18 33.33	−19 43.8	2.207	1.718	25.5	21.2	48 E	20*	39*
11 22	19 0.05	−19 41.7	2.248	1.693	24.2	21.1	45 E	20*	35*
12 2	19 27.57	−19 20.7	2.286	1.672	22.8	21.1	41 E	19*	30*
12 12	19 55.67	−18 40.1	2.322	1.653	21.3	21.1	37 E	19*	26*
12 22	20 24.13	−17 40.0	2.355	1.636	19.7	21.0	34 E	18*	22*
1 1	20 52.74	−16 21.1	2.388	1.624	18.1	21.0	31 E	17*	18*
1 11	21 21.34	−14 44.7	2.419	1.614	16.5	20.9	28 E	16*	15*
1 21	21 49.78	−12 52.8	2.449	1.608	14.8	20.9	25 E	15*	12*

18172 2000 QL_7

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	16 29.31	−42 41.4	2.884	3.390	15.8	21.4	112 W	2	73
4 6	16 25.97	−43 38.1	2.783	3.415	14.5	21.3	122 W	1	72
4 16	16 19.63	−44 25.3	2.697	3.438	12.8	21.2	131 W	1	72
4 26	16 10.48	−44 58.3	2.630	3.460	10.8	21.1	140 W	—	71
5 6	15 59.12	−45 12.8	2.585	3.482	8.8	21.0	148 W	—	71
5 16	15 46.44	−45 5.6	2.566	3.501	7.3	20.9	154 W	—	71
5 26	15 33.62	−44 36.6	2.575	3.520	6.9	20.9	155 E	—	71
6 5	15 21.82	−43 48.8	2.611	3.538	7.8	21.0	152 E	1	72
6 15	15 11.94	−42 47.5	2.674	3.554	9.4	21.1	145 E	2	73
6 25	15 4.58	−41 39.6	2.762	3.569	11.3	21.3	137 E	3	74
7 5	14 59.94	−40 31.4	2.870	3.583	13.0	21.4	128 E	4*	75

276660 2003 WB_{25}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	16 46.25	−50 43.4	1.235	1.800	32.0	21.4	107 W	—	65
4 1	16 47.10	−50 39.9	1.201	1.819	30.8	21.3	111 W	—	65
4 6	16 46.33	−50 30.5	1.168	1.837	29.4	21.2	116 W	—	65
4 11	16 43.89	−50 13.8	1.136	1.855	27.8	21.2	120 W	—	66
4 16	16 39.79	−49 48.4	1.106	1.872	26.0	21.1	125 W	—	66
4 21	16 34.14	−49 12.7	1.078	1.890	24.0	21.0	130 W	—	67
4 26	16 27.11	−48 25.1	1.054	1.907	21.7	20.9	135 W	—	68
5 1	16 18.95	−47 24.2	1.034	1.924	19.3	20.8	141 W	—	69
5 6	16 9.98	−46 9.0	1.019	1.940	16.8	20.7	146 W	—	70
5 11	16 0.59	−44 39.6	1.010	1.956	14.4	20.6	151 W	—	71
5 16	15 51.18	−42 56.6	1.006	1.972	12.2	20.5	156 W	2	73
5 21	15 42.16	−41 2.3	1.009	1.988	10.5	20.5	159 E	4	75
5 26	15 33.85	−38 59.5	1.019	2.003	9.8	20.5	160 E	6	77
5 31	15 26.48	−36 51.9	1.037	2.018	10.1	20.6	159 E	8	79
6 5	15 20.20	−34 42.9	1.061	2.032	11.4	20.7	157 E	10	81
6 10	15 15.10	−32 36.1	1.091	2.046	13.3	20.8	152 E	12	83
6 15	15 11.19	−30 34.3	1.129	2.060	15.3	21.0	148 E	14	85
6 20	15 8.46	−28 39.8	1.172	2.073	17.3	21.1	143 E	16	87
6 25	15 6.82	−26 54.2	1.220	2.087	19.2	21.3	138 E	18	89
6 30	15 6.20	−25 18.2	1.274	2.099	20.9	21.5	133 E	20	89

271774 2004 TO_{12}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	16 48.86	−24 53.5	1.031	1.685	33.2	21.4	112 W	20	89
4 6	17 2.32	−25 23.1	0.934	1.668	31.6	21.1	119 W	20	89
4 16	17 12.80	−25 44.7	0.845	1.652	29.2	20.8	127 W	19	90
4 26	17 19.61	−25 59.2	0.764	1.637	25.9	20.5	135 W	19	90
5 6	17 22.14	−26 6.7	0.695	1.622	21.5	20.1	144 W	19	90
5 16	17 19.98	−26 6.0	0.639	1.609	16.0	19.7	154 W	19	90

271774 2004 TO_{12} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
5 21	17 17.21	−26 1.9	0.616	1.603	12.9	19.5	159 W	19	90
5 26	17 13.47	−25 54.9	0.597	1.597	9.5	19.3	165 W	19	90
5 31	17 8.95	−25 45.0	0.583	1.592	6.0	19.1	171 W	19	90
6 5	17 3.88	−25 32.0	0.573	1.587	2.6	18.9	176 W	19	90
6 10	16 58.56	−25 16.2	0.568	1.582	2.5	18.8	176 E	20	89
6 15	16 53.34	−24 58.3	0.567	1.578	5.9	19.0	171 E	20	89
6 20	16 48.55	−24 39.1	0.570	1.574	9.6	19.2	165 E	20	89
6 25	16 44.48	−24 19.7	0.578	1.570	13.2	19.4	159 E	21	88
6 30	16 41.33	−24 0.9	0.589	1.567	16.6	19.5	154 E	21	88
7 5	16 39.27	−23 43.7	0.604	1.565	19.8	19.7	149 E	21	88
7 15	16 38.77	−23 16.4	0.644	1.561	25.3	20.0	139 E	22	87
7 25	16 43.22	−23 0.3	0.695	1.558	29.8	20.3	130 E	22	87
8 4	16 52.14	−22 53.9	0.754	1.558	33.2	20.5	123 E	22	87
8 14	17 4.96	−22 54.0	0.820	1.559	35.7	20.8	116 E	22*	87
8 24	17 21.05	−22 56.2	0.891	1.562	37.4	21.0	110 E	22*	87
9 3	17 39.72	−22 56.2	0.968	1.567	38.5	21.2	105 E	22*	87
9 13	18 0.48	−22 50.2	1.048	1.574	39.0	21.4	100 E	22*	87

366430 2001 VH_{86}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	16 53.72	−24 0.0	1.868	2.417	22.6	21.4	111 W	21	88
4 6	16 59.73	−23 43.4	1.709	2.372	21.5	21.1	120 W	21	88
4 16	17 3.12	−23 17.0	1.560	2.326	19.6	20.8	129 W	22	87
4 26	17 3.52	−22 39.9	1.424	2.279	16.9	20.5	139 W	22	87
5 6	17 0.70	−21 51.1	1.306	2.232	13.4	20.1	149 W	23	86
5 16	16 54.65	−20 50.0	1.207	2.185	9.0	19.7	160 W	24	85
5 26	16 45.89	−19 37.4	1.131	2.138	3.9	19.3	172 W	25	84
5 31	16 40.79	−18 57.8	1.102	2.114	1.8	19.1	176 W	26	83
6 5	16 35.42	−18 16.7	1.079	2.091	2.8	19.1	174 E	27	82
6 10	16 29.99	−17 34.9	1.062	2.067	5.5	19.2	169 E	27	82
6 15	16 24.71	−16 53.7	1.052	2.044	8.5	19.2	163 E	28	81
6 20	16 19.78	−16 13.9	1.047	2.021	11.5	19.3	157 E	29	80
6 25	16 15.39	−15 36.5	1.047	1.997	14.3	19.4	151 E	29	80
6 30	16 11.68	−15 2.5	1.052	1.974	17.1	19.5	145 E	30	79
7 5	16 8.78	−14 32.5	1.062	1.951	19.7	19.6	140 E	30	79
7 15	16 5.74	−13 46.3	1.092	1.906	24.4	19.7	129 E	31	78
7 25	16 6.66	−13 19.5	1.133	1.862	28.2	19.9	120 E	32*	77
8 4	16 11.48	−13 10.3	1.181	1.819	31.2	20.0	112 E	31*	77
8 14	16 20.00	−13 15.8	1.234	1.777	33.5	20.1	104 E	31*	77
8 24	16 31.91	−13 31.7	1.287	1.738	35.2	20.2	98 E	30*	78
9 3	16 46.87	−13 53.6	1.341	1.701	36.4	20.3	92 E	29*	78*
9 13	17 4.61	−14 17.4	1.394	1.667	37.1	20.3	86 E	29*	75*
9 23	17 24.82	−14 38.5	1.446	1.635	37.4	20.4	82 E	28*	72*
10 3	17 47.23	−14 53.2	1.497	1.607	37.4	20.4	77 E	28*	68*
10 13	18 11.60	−14 57.8	1.546	1.583	37.2	20.4	73 E	28*	64*
10 23	18 37.61	−14 49.0	1.595	1.563	36.7	20.5	70 E	29*	59*
11 2	19 4.97	−14 24.4	1.645	1.548	36.1	20.5	67 E	29*	55*
11 12	19 33.38	−13 42.3	1.696	1.537	35.2	20.5	64 E	30*	51*
11 22	20 2.51	−12 41.7	1.748	1.532	34.2	20.6	61 E	31*	46*
12 2	20 32.04	−11 22.8	1.804	1.531	33.1	20.6	58 E	32*	42*
12 12	21 1.73	− 9 46.8	1.863	1.536	31.9	20.6	55 E	33*	37*
12 22	21 31.31	− 7 55.6	1.926	1.545	30.5	20.7	53 E	34*	33*
1 1	22 0.61	− 5 51.9	1.994	1.560	29.0	20.7	50 E	34*	29*
1 11	22 29.50	− 3 38.6	2.066	1.578	27.4	20.8	48 E	34*	25*
1 21	22 57.88	− 1 18.9	2.142	1.602	25.7	20.8	45 E	34*	22*

200648 2001 TU_1

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	17 26.83	−26 11.2	1.665	2.134	27.0	21.4	104 W	19	90
4 6	17 38.14	−26 44.8	1.522	2.100	26.4	21.1	111 W	18	89
4 16	17 47.29	−27 18.2	1.386	2.065	25.2	20.8	119 W	18	89
4 26	17 53.78	−27 53.0	1.260	2.031	23.3	20.5	127 W	17	88
5 6	17 57.08	−28 30.0	1.145	1.997	20.6	20.2	136 W	16	87
5 16	17 56.69	−29 8.9	1.045	1.963	17.0	19.9	145 W	16	87
5 26	17 52.37	−29 47.3	0.961	1.929	12.5	19.5	156 W	15	86
5 31	17 48.79	−30 5.1	0.926	1.913	10.1	19.3	161 W	15	86
6 5	17 44.37	−30 20.9	0.896	1.896	7.5	19.1	166 W	15	86
6 10	17 39.25	−30 34.0	0.871	1.880	5.2	18.9	170 W	14	85
6 15	17 33.63	−30 43.9	0.852	1.864	4.0	18.8	173 W	14	85
6 20	17 27.78	−30 49.9	0.838	1.848	5.2	18.8	171 E	14	85
6 25	17 21.98	−30 52.1	0.829	1.832	7.7	18.9	166 E	14	85
6 30	17 16.48	−30 50.5	0.826	1.817	10.6	19.0	161 E	14	85
7 5	17 11.56	−30 45.4	0.827	1.802	13.6	19.0	155 E	14	85
7 10	17 7.45	−30 37.7	0.833	1.787	16.5	19.1	150 E	14	85
7 15	17 4.34	−30 27.9	0.843	1.773	19.3	19.3	145 E	15	86
7 20	17 2.37	−30 17.0	0.857	1.759	21.9	19.4	140 E	15	86
7 25	17 1.62	−30 5.7	0.874	1.746	24.4	19.5	135 E	15	86
8 4	17 3.80	−29 43.4	0.916	1.720	28.6	19.6	126 E	15	86
8 14	17 10.78	−29 23.1	0.967	1.696	31.9	19.8	118 E	16*	87
8 24	17 22.14	−29 4.4	1.023	1.675	34.4	20.0	111 E	16*	87

200648 2001 TU_1 *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
9 3	17 37.26	−28 44.6	1.084	1.656	36.2	20.1	105 E	16*	87
9 13	17 55.58	−28 20.5	1.148	1.639	37.3	20.3	99 E	17*	88
9 23	18 16.53	−27 48.6	1.215	1.626	38.0	20.4	94 E	17*	87*
10 3	18 39.53	−27 5.5	1.284	1.615	38.3	20.5	89 E	18*	83*
10 13	19 4.12	−26 8.7	1.354	1.608	38.2	20.6	85 E	19*	79*
10 23	19 29.80	−24 56.4	1.427	1.604	37.8	20.7	81 E	20*	74*
11 2	19 56.16	−23 27.6	1.501	1.603	37.1	20.8	77 E	22*	70*
11 12	20 22.86	−21 42.5	1.578	1.605	36.2	20.9	73 E	23*	65*
11 22	20 49.58	−19 41.8	1.658	1.611	35.1	21.0	70 E	25*	59*
12 2	21 16.11	−17 27.2	1.739	1.620	33.9	21.1	66 E	27*	54*
12 12	21 42.32	−15 0.7	1.823	1.632	32.5	21.1	63 E	30*	49*
12 22	22 8.10	−12 24.5	1.910	1.647	31.0	21.2	60 E	32*	43*
1 1	22 33.42	− 9 41.2	1.998	1.664	29.4	21.3	56 E	33*	38*
1 11	22 58.28	− 6 53.2	2.088	1.685	27.7	21.4	53 E	34*	33*
1 21	23 22.71	− 4 3.0	2.178	1.707	25.9	21.4	49 E	34*	29*

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3 27	17 36.35	−48 58.1	0.492	1.183	56.3	21.5	100 W	—	67
3 28	17 41.82	−50 58.2	0.485	1.178	56.7	21.4	99 W	—	65
3 29	17 47.86	−52 59.9	0.480	1.173	57.2	21.4	99 W	—	63
3 30	17 54.54	−55 2.9	0.475	1.168	57.7	21.4	99 W	—	61
3 31	18 1.99	−57 6.7	0.471	1.164	58.2	21.4	98 W	—	59
4 1	18 10.35	−59 10.5	0.468	1.159	58.7	21.4	98 W	—	57
4 2	18 19.80	−61 13.5	0.465	1.154	59.2	21.4	97 W	—	55
4 3	18 30.55	−63 15.0	0.463	1.149	59.8	21.4	97 W	—	53
4 4	18 42.88	−65 13.8	0.462	1.145	60.3	21.4	96 W	—	51*
4 5	18 57.10	−67 8.8	0.461	1.140	60.9	21.4	95 W	—	49*
4 6	19 13.59	−68 58.3	0.461	1.135	61.5	21.4	95 W	—	47*
4 7	19 32.77	−70 40.8	0.462	1.131	62.0	21.4	94 W	—	45*
4 8	19 55.07	−72 14.1	0.464	1.126	62.6	21.4	93 W	—	43*
4 9	20 20.84	−73 35.8	0.466	1.121	63.2	21.4	92 W	—	41*
4 10	20 50.22	−74 43.5	0.469	1.117	63.7	21.5	91 W	—	39*
4 11	21 22.94	−75 34.4	0.473	1.112	64.3	21.5	91 W	—	38*
4 12	21 58.15	−76 6.7	0.477	1.108	64.8	21.5	90 W	—	36*
4 13	22 34.44	−76 19.2	0.482	1.103	65.3	21.5	89 W	—	34*

537703 2015 TH_{21}

3 27	17 39.19	−38 46.6	1.425	1.877	31.6	21.5	100 W	6*	77
4 6	17 58.18	−42 39.0	1.295	1.836	31.7	21.2	106 W	2	73
4 16	18 17.70	−47 0.3	1.176	1.796	31.5	21.0	111 W	—	69
4 26	18 37.96	−51 51.9	1.073	1.756	31.2	20.7	115 W	—	64
5 6	18 59.43	−57 11.6	0.985	1.716	31.0	20.5	119 W	—	59
5 11	19 10.79	−59 59.7	0.947	1.697	30.9	20.4	120 W	—	56
5 16	19 22.72	−62 51.2	0.914	1.678	31.0	20.3	121 W	—	53
5 21	19 35.39	−65 44.0	0.885	1.660	31.2	20.2	122 W	—	50
5 26	19 49.06	−68 35.6	0.861	1.642	31.5	20.1	122 W	—	47
5 28	19 54.88	−69 43.4	0.852	1.635	31.7	20.1	122 W	—	46
5 30	20 0.93	−70 50.3	0.844	1.627	31.9	20.0	122 W	—	45
6 1	20 7.25	−71 56.3	0.836	1.620	32.1	20.0	122 W	—	44
6 3	20 13.86	−73 1.1	0.830	1.614	32.3	20.0	122 W	—	43
6 5	20 20.80	−74 4.6	0.823	1.607	32.6	20.0	122 W	—	42
6 7	20 28.11	−75 6.5	0.818	1.600	32.8	20.0	121 W	—	41
6 9	20 35.84	−76 6.8	0.812	1.593	33.1	19.9	121 W	—	40
6 11	20 44.05	−77 5.1	0.808	1.587	33.4	19.9	121 W	—	39
6 13	20 52.80	−78 1.4	0.803	1.580	33.7	19.9	120 W	—	38
6 15	21 2.17	−78 55.4	0.800	1.574	34.1	19.9	120 W	—	37
6 16	21 7.12	−79 21.5	0.798	1.571	34.3	19.9	120 W	—	37
6 17	21 12.25	−79 47.0	0.796	1.568	34.4	19.9	119 W	—	36
6 18	21 17.57	−80 11.8	0.795	1.565	34.6	19.9	119 W	—	36
6 19	21 23.11	−80 35.9	0.793	1.562	34.8	19.9	119 W	—	35
6 20	21 28.88	−80 59.4	0.792	1.558	34.9	19.9	119 W	—	35
6 21	21 34.88	−81 22.2	0.791	1.555	35.1	19.9	118 W	—	35
6 22	21 41.14	−81 44.2	0.790	1.552	35.3	19.9	118 W	—	34
6 23	21 47.66	−82 5.5	0.788	1.550	35.5	19.9	118 W	—	34
6 24	21 54.45	−82 26.1	0.787	1.547	35.7	19.9	117 W	—	34
6 25	22 1.54	−82 45.9	0.786	1.544	35.8	19.9	117 W	—	33
6 26	22 8.92	−83 4.9	0.786	1.541	36.0	19.9	117 W	—	33
6 27	22 16.62	−83 23.1	0.785	1.538	36.2	19.9	117 W	—	33
6 28	22 24.63	−83 40.5	0.784	1.535	36.4	19.9	116 W	—	32
6 29	22 32.96	−83 57.1	0.783	1.532	36.6	19.9	116 W	—	32
6 30	22 41.60	−84 12.9	0.783	1.530	36.7	19.9	116 W	—	32
7 1	22 50.57	−84 27.8	0.782	1.527	36.9	19.9	116 W	—	32
7 2	22 59.84	−84 41.9	0.781	1.524	37.1	19.9	115 W	—	31
7 3	23 9.39	−84 55.2	0.781	1.522	37.3	19.9	115 W	—	31
7 4	23 19.22	−85 7.6	0.780	1.519	37.4	19.9	115 W	—	31
7 5	23 29.28	−85 19.3	0.780	1.516	37.6	19.9	114 W	—	31
7 6	23 39.55	−85 30.1	0.780	1.514	37.8	19.9	114 W	—	31
7 7	23 49.97	−85 40.1	0.779	1.511	37.9	19.9	114 W	—	30
7 8	0 0.49	−85 49.4	0.779	1.509	38.1	19.9	114 W	—	30
7 9	0 11.06	−85 57.9	0.779	1.506	38.3	19.9	113 W	—	30

537703 2015 TH_{21} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
7 10	0 21.60	−86 5.8	0.778	1.504	38.4	19.9	113 W	—	30
7 11	0 32.04	−86 13.0	0.778	1.501	38.6	19.9	113 W	—	30
7 12	0 42.32	−86 19.6	0.778	1.499	38.8	19.9	113 W	—	30
7 13	0 52.35	−86 25.6	0.778	1.497	38.9	19.9	112 W	—	30
7 14	1 2.06	−86 31.1	0.777	1.494	39.1	19.9	112 W	—	29
7 15	1 11.38	−86 36.2	0.777	1.492	39.2	19.9	112 W	—	29
7 16	1 20.23	−86 40.8	0.777	1.490	39.3	19.9	112 W	—	29
7 17	1 28.54	−86 45.1	0.777	1.488	39.5	19.9	111 W	—	29
7 18	1 36.26	−86 49.2	0.777	1.486	39.6	19.9	111 W	—	29
7 19	1 43.32	−86 53.0	0.776	1.484	39.8	19.9	111 W	—	29
7 20	1 49.67	−86 56.6	0.776	1.482	39.9	19.9	111 W	—	29
7 21	1 55.25	−87 0.1	0.776	1.479	40.0	19.9	111 W	—	29
7 22	2 0.01	−87 3.5	0.776	1.477	40.1	19.9	110 W	—	29
7 23	2 3.91	−87 6.8	0.776	1.476	40.3	19.9	110 W	—	29
7 24	2 6.88	−87 10.1	0.776	1.474	40.4	19.9	110 W	—	29
7 25	2 8.87	−87 13.3	0.775	1.472	40.5	19.9	110 W	—	29
7 26	2 9.83	−87 16.6	0.775	1.470	40.6	19.9	110 W	—	29
7 27	2 9.69	−87 19.8	0.775	1.468	40.7	19.9	109 W	—	29
7 28	2 8.38	−87 22.9	0.775	1.466	40.8	19.9	109 W	—	29
7 29	2 5.82	−87 26.1	0.775	1.465	40.9	19.9	109 W	—	29
7 30	2 1.95	−87 29.1	0.774	1.463	41.0	19.9	109 W	—	29
7 31	1 56.70	−87 31.9	0.774	1.461	41.1	19.9	109 W	—	28
8 1	1 50.00	−87 34.5	0.774	1.460	41.2	19.9	109 W	—	28
8 2	1 41.82	−87 36.8	0.774	1.458	41.3	19.9	109 W	—	28
8 3	1 32.12	−87 38.6	0.773	1.457	41.4	19.9	108 W	—	28
8 4	1 20.96	−87 39.9	0.773	1.455	41.5	19.9	108 W	—	28
8 5	1 8.41	−87 40.5	0.773	1.454	41.5	19.9	108 W	—	28
8 6	0 54.63	−87 40.3	0.772	1.453	41.6	19.9	108 W	—	28
8 7	0 39.86	−87 39.1	0.772	1.451	41.7	19.9	108 W	—	28
8 8	0 24.38	−87 36.8	0.772	1.450	41.7	19.9	108 W	—	28
8 9	0 8.54	−87 33.4	0.771	1.449	41.8	19.9	108 W	—	28
8 10	23 52.71	−87 28.6	0.771	1.448	41.9	19.9	108 W	—	29
8 11	23 37.22	−87 22.5	0.771	1.446	41.9	19.9	108 W	—	29
8 12	23 22.36	−87 15.0	0.770	1.445	42.0	19.9	107 W	—	29
8 13	23 8.38	−87 6.1	0.770	1.444	42.0	19.9	107 W	—	29
8 14	22 55.41	−86 55.9	0.770	1.443	42.1	19.9	107 W	—	29
8 15	22 43.54	−86 44.4	0.769	1.442	42.1	19.9	107 W	—	29
8 16	22 32.81	−86 31.6	0.769	1.441	42.2	19.9	107 W	—	29
8 17	22 23.17	−86 17.6	0.768	1.440	42.2	19.9	107 W	—	30
8 18	22 14.58	−86 2.5	0.768	1.440	42.2	19.9	107 W	—	30
8 19	22 6.97	−85 46.2	0.768	1.439	42.2	19.9	107 W	—	30
8 20	22 0.26	−85 28.9	0.767	1.438	42.3	19.9	107 W	—	31
8 21	21 54.36	−85 10.6	0.767	1.437	42.3	19.9	107 E	—	31
8 22	21 49.19	−84 51.3	0.767	1.437	42.3	19.9	107 E	—	31
8 23	21 44.67	−84 31.0	0.766	1.436	42.3	19.9	107 E	—	31
8 24	21 40.73	−84 9.8	0.766	1.436	42.3	19.9	107 E	—	32
8 25	21 37.32	−83 47.6	0.765	1.435	42.3	19.9	107 E	—	32
8 26	21 34.37	−83 24.6	0.765	1.435	42.4	19.8	107 E	—	33
8 27	21 31.82	−83 0.8	0.765	1.434	42.4	19.8	107 E	—	33
8 28	21 29.65	−82 36.1	0.764	1.434	42.4	19.8	107 E	—	33
8 29	21 27.80	−82 10.5	0.764	1.434	42.4	19.8	107 E	—	34
8 30	21 26.24	−81 44.1	0.764	1.433	42.3	19.8	107 E	—	34
8 31	21 24.94	−81 17.0	0.764	1.433	42.3	19.8	107 E	—	35
9 1	21 23.88	−80 49.0	0.763	1.433	42.3	19.8	107 E	—	35
9 2	21 23.03	−80 20.2	0.763	1.433	42.3	19.8	107 E	—	36
9 3	21 22.37	−79 50.6	0.763	1.433	42.3	19.8	107 E	—	36
9 4	21 21.87	−79 20.3	0.763	1.433	42.3	19.8	107 E	—	37
9 5	21 21.54	−78 49.2	0.763	1.433	42.3	19.8	107 E	—	37
9 6	21 21.34	−78 17.3	0.763	1.433	42.2	19.8	107 E	—	38
9 7	21 21.27	−77 44.7	0.763	1.433	42.2	19.8	107 E	—	38
9 8	21 21.32	−77 11.4	0.763	1.433	42.2	19.8	107 E	—	39
9 9	21 21.47	−76 37.3	0.763	1.433	42.1	19.8	107 E	—	39
9 10	21 21.72	−76 2.5	0.763	1.433	42.1	19.8	107 E	—	40
9 11	21 22.05	−75 27.0	0.764	1.434	42.1	19.8	107 E	—	41
9 12	21 22.47	−74 50.9	0.764	1.434	42.0	19.8	107 E	—	41
9 13	21 22.96	−74 14.0	0.764	1.435	42.0	19.8	107 E	—	42
9 15	21 24.14	−72 58.4	0.765	1.435	41.9	19.8	108 E	—	43
9 17	21 25.54	−71 40.2	0.767	1.437	41.8	19.8	108 E	—	44
9 19	21 27.13	−70 19.6	0.768	1.438	41.7	19.8	108 E	—	46
9 21	21 28.87	−68 56.7	0.770	1.439	41.6	19.9	108 E	—	47
9 23	21 30.75	−67 31.5	0.772	1.441	41.5	19.9	108 E	—	48
9 28	21 35.91	−63 50.1	0.780	1.446	41.3	19.9	108 E	—	52
10 3	21 41.58	−59 58.3	0.791	1.452	41.0	19.9	108 E	—	56
10 8	21 47.65	−55 58.6	0.806	1.459	40.8	20.0	107 E	—	60
10 13	21 54.04	−51 54.1	0.824	1.468	40.6	20.0	107 E	—	64
10 18	22 0.66	−47 47.8	0.846	1.477	40.4	20.1	106 E	—	68
10 23	22 7.46	−43 42.6	0.872	1.487	40.2	20.2	105 E	1	72
10 28	22 14.40	−39 40.9	0.903	1.498	40.0	20.2	104 E	5	76
11 2	22 21.48	−35 44.8	0.938	1.510	39.8	20.3	103 E	9	80
11 7	22 28.69	−31 56.0	0.976	1.523	39.6	20.4	101 E	13	84
11 12	22 36.02	−28 15.7	1.019	1.537	39.4	20.5	100 E	17	88

537703 2015 TH_{21} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
11 17	22 43.46	−24 44.6	1.066	1.552	39.1	20.6	98 E	20	89
11 22	22 50.99	−21 23.2	1.116	1.567	38.8	20.8	96 E	24	85*
11 27	22 58.61	−18 11.6	1.169	1.583	38.5	20.9	94 E	27	80*
12 2	23 6.32	−15 9.4	1.225	1.599	38.0	21.0	92 E	30	76*
12 7	23 14.13	−12 16.3	1.283	1.616	37.6	21.1	90 E	33	71*
12 12	23 22.04	− 9 31.8	1.344	1.633	37.0	21.2	88 E	35	66*
12 17	23 30.04	− 6 55.5	1.407	1.651	36.4	21.3	85 E	38	62*
12 22	23 38.13	− 4 26.7	1.471	1.670	35.8	21.4	83 E	41	58*

394794 2008 QV_7

3 27	17 44.76	−28 1.7	1.544	1.973	29.9	21.4	100 W	17*	88
4 6	18 0.56	−28 27.2	1.411	1.941	29.7	21.2	106 W	17*	88
4 16	18 14.71	−28 49.4	1.283	1.908	29.0	20.9	113 W	16	87
4 26	18 26.77	−29 10.0	1.163	1.877	27.8	20.6	120 W	16	87
5 6	18 36.23	−29 30.6	1.052	1.846	25.8	20.3	127 W	15	86
5 16	18 42.47	−29 52.3	0.951	1.816	23.0	20.0	135 W	15	86
5 26	18 44.99	−30 14.8	0.864	1.787	19.3	19.6	144 W	15	86
6 5	18 43.45	−30 35.8	0.791	1.759	14.7	19.2	154 W	14	85
6 10	18 41.16	−30 44.4	0.761	1.746	12.1	19.0	159 W	14	85
6 15	18 37.96	−30 50.8	0.735	1.733	9.4	18.8	164 W	14	85
6 20	18 33.99	−30 54.1	0.713	1.721	6.8	18.7	168 W	14	85
6 25	18 29.48	−30 53.5	0.697	1.709	4.9	18.5	172 W	14	85
6 30	18 24.65	−30 48.7	0.685	1.698	4.8	18.4	172 E	14	85
7 5	18 19.78	−30 39.2	0.678	1.687	6.8	18.5	169 E	14	85
7 10	18 15.17	−30 25.3	0.675	1.676	9.6	18.6	164 E	15	86
7 15	18 11.12	−30 7.3	0.678	1.667	12.7	18.7	159 E	15	86
7 20	18 7.89	−29 45.8	0.684	1.657	15.7	18.8	154 E	15	86
7 25	18 5.66	−29 21.9	0.694	1.649	18.6	18.9	149 E	16	87
7 30	18 4.56	−28 56.1	0.708	1.641	21.4	19.1	144 E	16	87
8 4	18 4.64	−28 29.3	0.725	1.634	23.9	19.2	139 E	17	88
8 14	18 8.50	−27 34.5	0.768	1.621	28.3	19.4	131 E	17	88
8 24	18 17.02	−26 39.5	0.820	1.612	31.7	19.7	123 E	18	89
9 3	18 29.57	−25 44.0	0.880	1.605	34.3	19.9	116 E	19	90
9 8	18 37.15	−25 15.3	0.913	1.603	35.3	20.0	113 E	20	89
9 13	18 45.49	−24 45.7	0.947	1.602	36.1	20.1	110 E	20	89
9 18	18 54.50	−24 14.7	0.982	1.601	36.8	20.2	107 E	21	88
9 23	19 4.08	−23 42.1	1.019	1.602	37.3	20.3	105 E	21	88
10 3	19 24.66	−22 30.8	1.096	1.605	37.9	20.4	100 E	22	87
10 13	19 46.70	−21 9.9	1.178	1.611	38.1	20.6	95 E	24	85*
10 23	20 9.72	−19 38.3	1.264	1.620	37.9	20.8	91 E	25	81*
11 2	20 33.32	−17 55.7	1.354	1.632	37.4	20.9	87 E	27	75*
11 12	20 57.22	−16 2.5	1.449	1.647	36.6	21.1	83 E	29	70*
11 22	21 21.16	−13 59.4	1.547	1.664	35.6	21.2	79 E	31	64*
12 2	21 44.99	−11 47.8	1.648	1.684	34.4	21.3	75 E	33	58*
12 12	22 8.62	− 9 29.2	1.753	1.706	33.0	21.5	71 E	35*	52*

422729 2001 NC_{15}

3 27	17 47.64	−33 28.7	2.065	2.426	24.0	21.4	99 W	11*	83
4 6	17 58.49	−34 11.3	1.905	2.386	23.8	21.2	106 W	11	82
4 16	18 7.31	−34 55.4	1.752	2.345	23.0	21.0	114 W	10	81
4 26	18 13.62	−35 41.4	1.607	2.305	21.7	20.7	122 W	9	80
5 6	18 16.94	−36 29.3	1.474	2.264	19.8	20.4	131 W	9	80
5 11	18 17.30	−36 53.5	1.412	2.243	18.6	20.3	135 W	8	79
5 16	18 16.73	−37 17.3	1.354	2.222	17.2	20.1	140 W	8	79
5 21	18 15.19	−37 40.2	1.300	2.202	15.6	19.9	144 W	7	78
5 26	18 12.67	−38 1.4	1.251	2.181	13.9	19.8	149 W	7	78
5 31	18 9.20	−38 20.1	1.206	2.161	12.2	19.6	153 W	7	78
6 5	18 4.82	−38 35.1	1.167	2.140	10.4	19.5	158 W	6	77
6 10	17 59.64	−38 45.6	1.133	2.120	8.8	19.3	161 W	6	77
6 15	17 53.83	−38 50.5	1.105	2.099	7.7	19.2	164 W	6	77
6 20	17 47.59	−38 49.1	1.082	2.079	7.5	19.1	165 E	6	77
6 25	17 41.20	−38 40.9	1.065	2.059	8.2	19.1	163 E	6	77
6 30	17 34.90	−38 25.9	1.054	2.039	9.8	19.1	160 E	7	78
7 5	17 28.96	−38 4.5	1.048	2.019	11.9	19.1	156 E	7	78
7 10	17 23.63	−37 37.3	1.047	1.999	14.1	19.2	151 E	7	78
7 15	17 19.13	−37 5.4	1.051	1.980	16.5	19.3	146 E	8	79
7 20	17 15.64	−36 30.0	1.060	1.960	18.8	19.3	142 E	8	79
7 25	17 13.26	−35 52.4	1.072	1.941	21.0	19.4	137 E	9	80
7 30	17 12.05	−35 13.4	1.089	1.922	23.1	19.5	132 E	10	81
8 4	17 12.01	−34 34.1	1.108	1.904	25.0	19.6	127 E	10	81
8 14	17 15.46	−33 17.0	1.154	1.868	28.3	19.7	119 E	12	83
8 24	17 23.29	−32 4.0	1.208	1.833	31.0	19.9	111 E	13*	84
9 3	17 34.95	−30 54.8	1.267	1.801	32.9	20.0	104 E	14*	85
9 13	17 49.92	−29 47.5	1.329	1.770	34.3	20.1	98 E	15*	86
9 23	18 7.68	−28 39.1	1.393	1.742	35.2	20.2	92 E	16*	85*
10 3	18 27.69	−27 26.3	1.457	1.716	35.6	20.2	86 E	17*	80*
10 13	18 49.56	−26 6.1	1.522	1.693	35.7	20.3	82 E	19*	75*
10 23	19 12.85	−24 35.9	1.588	1.674	35.4	20.4	77 E	20*	70*

422729 2001 NC_{15} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
11 2	19 37.19	−22 53.8	1.653	1.657	34.9	20.4	73 E	22*	65*
11 12	20 2.28	−20 58.5	1.719	1.645	34.1	20.5	69 E	24*	60*
11 22	20 27.81	−18 49.9	1.785	1.636	33.2	20.5	65 E	26*	54*
12 2	20 53.56	−16 28.3	1.852	1.631	32.1	20.6	62 E	28*	49*
12 12	21 19.37	−13 54.8	1.920	1.630	30.8	20.6	58 E	30*	43*
12 22	21 45.08	−11 10.9	1.989	1.633	29.5	20.6	55 E	32*	38*
1 1	22 10.64	− 8 18.7	2.060	1.639	28.0	20.7	51 E	33*	32*
1 11	22 36.00	− 5 20.4	2.133	1.650	26.4	20.7	48 E	33*	28*
1 21	23 1.15	− 2 18.5	2.206	1.664	24.8	20.8	45 E	33*	23*

415760 2000 RD_{103}

3 27	17 48.84	−23 28.2	1.915	2.291	25.5	21.5	99 W	21*	87
4 6	17 59.61	−23 8.2	1.763	2.257	25.2	21.3	106 W	22*	87
4 16	18 8.32	−22 42.0	1.616	2.222	24.4	21.0	114 W	22	87
4 26	18 14.57	−22 10.5	1.477	2.187	22.9	20.7	122 W	23	86
5 6	18 17.94	−21 34.2	1.349	2.152	20.7	20.4	131 W	23	86
5 16	18 18.04	−20 53.8	1.235	2.117	17.6	20.1	141 W	24	85
5 26	18 14.68	−20 9.9	1.137	2.082	13.6	19.8	151 W	25	84
6 5	18 8.01	−19 23.1	1.058	2.047	8.8	19.4	162 W	26	83
6 10	18 3.59	−18 58.9	1.026	2.029	6.3	19.2	167 W	26	83
6 15	17 58.63	−18 34.7	1.000	2.012	3.8	19.0	172 W	26	83
6 20	17 53.31	−18 10.6	0.980	1.994	2.7	18.8	175 E	27	82
6 25	17 47.85	−17 47.1	0.966	1.977	4.3	18.9	172 E	27	82
6 30	17 42.44	−17 24.6	0.958	1.960	7.1	19.0	166 E	28	81
7 5	17 37.30	−17 3.8	0.955	1.943	10.0	19.1	161 E	28	81
7 10	17 32.66	−16 45.0	0.957	1.927	12.9	19.2	155 E	28	81
7 15	17 28.69	−16 28.8	0.964	1.910	15.8	19.3	149 E	29	80
7 25	17 23.34	−16 5.2	0.991	1.878	20.9	19.5	139 E	29	80
8 4	17 21.93	−15 53.6	1.033	1.847	25.3	19.7	129 E	29	80
8 14	17 24.69	−15 52.9	1.084	1.817	28.9	19.8	120 E	29	80
8 24	17 31.45	−16 0.2	1.143	1.788	31.6	20.0	112 E	29*	80
9 3	17 41.84	−16 11.7	1.206	1.761	33.6	20.1	105 E	29*	80
9 13	17 55.47	−16 23.7	1.271	1.737	34.9	20.3	99 E	28*	80
9 23	18 11.92	−16 32.2	1.339	1.714	35.8	20.4	93 E	28*	80*
10 3	18 30.77	−16 33.6	1.407	1.694	36.2	20.5	88 E	28*	77*
10 13	18 51.66	−16 25.0	1.475	1.676	36.2	20.5	83 E	28*	73*
10 23	19 14.23	−16 3.8	1.544	1.661	35.9	20.6	78 E	29*	68*
11 2	19 38.12	−15 28.0	1.612	1.649	35.4	20.7	74 E	29*	63*
11 12	20 3.04	−14 36.6	1.682	1.640	34.6	20.7	70 E	30*	58*
11 22	20 28.68	−13 29.0	1.751	1.635	33.7	20.8	67 E	31*	52*
12 2	20 54.78	−12 5.6	1.821	1.632	32.6	20.8	63 E	32*	47*
12 12	21 21.13	−10 27.3	1.893	1.633	31.3	20.9	60 E	33*	42*
12 22	21 47.54	− 8 35.8	1.965	1.638	30.0	20.9	56 E	34*	37*
1 1	22 13.89	− 6 32.9	2.039	1.645	28.5	21.0	53 E	35*	32*
1 11	22 40.08	− 4 21.1	2.114	1.656	26.9	21.0	50 E	35*	28*
1 21	23 6.06	− 2 2.8	2.190	1.669	25.2	21.1	46 E	34*	24*

190736 2001 PM_{43}

3 27	17 55.36	−47 44.7	2.634	2.920	19.8	21.4	96 W	—	68
4 1	17 58.67	−48 13.4	2.571	2.921	19.7	21.4	100 W	—	68
4 6	18 1.25	−48 42.4	2.509	2.922	19.4	21.3	104 W	—	67
4 11	18 3.03	−49 11.5	2.448	2.923	19.0	21.2	108 W	—	67
4 16	18 3.95	−49 40.6	2.389	2.923	18.5	21.2	112 W	—	66
4 21	18 3.95	−50 9.2	2.332	2.924	17.9	21.1	117 W	—	66
4 26	18 2.99	−50 36.8	2.277	2.923	17.2	21.0	121 W	—	65
5 1	18 1.03	−51 2.9	2.226	2.923	16.4	20.9	125 W	—	65
5 6	17 58.05	−51 26.7	2.178	2.923	15.5	20.9	129 W	—	65
5 11	17 54.04	−51 47.3	2.134	2.922	14.6	20.8	133 W	—	64
5 16	17 49.04	−52 3.8	2.095	2.921	13.6	20.7	137 W	—	64
5 21	17 43.14	−52 15.0	2.061	2.919	12.6	20.6	141 W	—	64
5 26	17 36.46	−52 20.2	2.032	2.918	11.6	20.6	145 W	—	64
5 31	17 29.16	−52 18.4	2.009	2.916	10.7	20.5	148 W	—	64
6 5	17 21.44	−52 9.0	1.992	2.914	10.1	20.5	150 W	—	64
6 10	17 13.53	−51 51.7	1.981	2.912	9.7	20.4	151 W	—	64
6 15	17 5.68	−51 26.5	1.977	2.909	9.6	20.4	151 E	—	65
6 20	16 58.13	−50 53.8	1.979	2.907	9.9	20.4	150 E	—	65
6 25	16 51.08	−50 14.3	1.987	2.903	10.5	20.5	149 E	—	66
6 30	16 44.71	−49 29.1	2.002	2.900	11.3	20.5	146 E	—	67
7 5	16 39.15	−48 39.4	2.022	2.897	12.3	20.6	143 E	—	67
7 10	16 34.49	−47 46.3	2.049	2.893	13.4	20.6	139 E	—	68
7 15	16 30.78	−46 51.1	2.081	2.889	14.4	20.7	135 E	—	69
7 20	16 28.03	−45 54.9	2.117	2.885	15.5	20.8	131 E	—	70
7 25	16 26.23	−44 58.9	2.158	2.880	16.5	20.9	126 E	—	71
7 30	16 25.34	−44 3.7	2.204	2.876	17.4	20.9	122 E	1*	72
8 4	16 25.32	−43 10.0	2.252	2.871	18.2	21.0	118 E	2*	73
8 9	16 26.12	−42 18.3	2.304	2.866	18.9	21.1	114 E	2*	74
8 14	16 27.68	−41 29.0	2.358	2.860	19.5	21.1	109 E	3*	75
8 19	16 29.94	−40 42.2	2.415	2.854	20.0	21.2	105 E	4*	75
8 24	16 32.86	−39 58.0	2.473	2.849	20.4	21.3	101 E	4*	76
8 29	16 36.36	−39 16.3	2.532	2.842	20.6	21.3	97 E	4*	77*
9 3	16 40.42	−38 37.1	2.592	2.836	20.8	21.4	93 E	5*	77*

190736 2001 PM_{43} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
9 8	16 44.97	−38 0.2	2.653	2.829	20.9	21.4	89 E	5*	76*
9 13	16 49.99	−37 25.5	2.713	2.822	20.8	21.4	86 E	5*	74*
9 18	16 55.43	−36 52.6	2.774	2.815	20.7	21.5	82 E	6*	72*

239881 2000 QW_{55}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	17 57.11	−29 19.9	2.005	2.343	25.0	21.4	97 W	16*	87
4 6	18 8.42	−29 50.3	1.852	2.311	24.8	21.2	104 W	15*	86
4 16	18 17.76	−30 21.9	1.706	2.279	24.1	21.0	112 W	15	86
4 26	18 24.67	−30 56.0	1.566	2.246	22.8	20.7	120 W	14	85
5 6	18 28.70	−31 33.7	1.437	2.213	20.8	20.4	129 W	13	84
5 16	18 29.34	−32 14.5	1.321	2.180	18.1	20.1	138 W	13	84
5 26	18 26.24	−32 56.2	1.220	2.147	14.6	19.8	148 W	12	83
6 5	18 19.37	−33 34.5	1.139	2.113	10.5	19.5	158 W	11	82
6 10	18 14.64	−33 50.4	1.106	2.096	8.3	19.3	163 W	11	82
6 15	18 9.21	−34 2.9	1.078	2.080	6.5	19.1	167 W	11	82
6 20	18 3.28	−34 11.3	1.057	2.063	5.4	19.0	169 W	11	82
6 25	17 57.06	−34 15.0	1.041	2.047	5.7	19.0	168 E	11	82
6 30	17 50.80	−34 13.6	1.031	2.030	7.3	19.0	165 E	11	82
7 5	17 44.75	−34 7.3	1.026	2.014	9.6	19.1	161 E	11	82
7 10	17 39.17	−33 56.3	1.027	1.998	12.1	19.2	156 E	11	82
7 15	17 34.29	−33 41.3	1.033	1.981	14.7	19.3	150 E	11	82
7 20	17 30.31	−33 23.2	1.044	1.966	17.2	19.4	145 E	12	83
7 25	17 27.34	−33 2.8	1.059	1.950	19.5	19.5	140 E	12	83
7 30	17 25.47	−32 41.0	1.078	1.934	21.8	19.5	135 E	12	83
8 4	17 24.73	−32 18.5	1.100	1.919	23.8	19.6	130 E	13	84
8 14	17 26.72	−31 33.4	1.152	1.889	27.3	19.8	121 E	13	84
8 24	17 33.08	−30 50.1	1.212	1.859	30.0	20.0	113 E	14	85
9 3	17 43.32	−30 8.5	1.278	1.832	32.0	20.1	106 E	15*	86
9 13	17 56.97	−29 26.7	1.347	1.805	33.4	20.2	99 E	15*	87
9 23	18 13.49	−28 42.2	1.418	1.781	34.2	20.3	93 E	16*	86*
10 3	18 32.37	−27 52.1	1.490	1.758	34.7	20.4	87 E	17*	81*
10 13	18 53.20	−26 53.6	1.562	1.737	34.7	20.5	82 E	18*	76*
10 23	19 15.56	−25 44.2	1.633	1.719	34.4	20.6	78 E	19*	71*
11 2	19 39.06	−24 22.1	1.704	1.703	33.9	20.6	73 E	20*	66*
11 12	20 3.40	−22 46.3	1.774	1.689	33.1	20.7	69 E	22*	60*
11 22	20 28.28	−20 56.2	1.843	1.679	32.1	20.7	65 E	24*	55*
12 2	20 53.45	−18 52.1	1.913	1.671	31.0	20.8	61 E	25*	49*
12 12	21 18.74	−16 34.7	1.981	1.666	29.8	20.8	57 E	27*	44*
12 22	21 43.99	−14 5.5	2.050	1.664	28.4	20.8	53 E	29*	38*
1 1	22 9.12	−11 26.2	2.118	1.665	26.9	20.8	50 E	30*	33*
1 11	22 34.09	− 8 38.9	2.186	1.669	25.3	20.9	47 E	30*	29*
1 21	22 58.87	− 5 45.8	2.254	1.677	23.6	20.9	43 E	30*	24*

436384 2010 TD_{19}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	18 7.24	+ 0 59.9	1.815	2.129	27.9	21.5	94 W	46*	63*
4 6	18 16.77	+ 1 13.7	1.672	2.098	28.0	21.3	100 W	46*	63
4 16	18 24.22	+ 1 23.4	1.530	2.066	27.6	21.0	107 W	46*	63
4 26	18 29.16	+ 1 23.2	1.393	2.033	26.7	20.8	115 W	46	63
5 6	18 31.10	+ 1 6.0	1.261	2.000	25.0	20.5	123 W	46	63
5 11	18 30.76	+ 0 48.4	1.199	1.983	23.8	20.3	128 W	46	63
5 16	18 29.46	+ 0 22.8	1.139	1.966	22.4	20.1	132 W	45	64
5 21	18 27.14	− 0 12.1	1.083	1.949	20.8	19.9	137 W	45	64
5 26	18 23.77	− 0 57.8	1.031	1.932	18.9	19.8	142 W	44	65
5 31	18 19.32	− 1 55.6	0.982	1.914	16.8	19.6	147 W	43	66
6 5	18 13.79	− 3 6.6	0.939	1.897	14.4	19.4	152 W	42	67
6 15	17 59.78	− 6 10.9	0.870	1.862	9.8	19.0	162 W	39	70
6 25	17 42.92	−10 8.3	0.826	1.826	8.4	18.8	165 E	35	74
7 5	17 25.20	−14 42.6	0.811	1.791	12.8	18.9	157 E	30	79
7 10	17 16.78	−17 5.9	0.813	1.774	15.9	19.0	151 E	28	81
7 15	17 9.05	−19 29.1	0.822	1.756	19.2	19.1	145 E	26	83
7 20	17 2.29	−21 49.6	0.837	1.739	22.4	19.2	139 E	23	86
7 25	16 56.67	−24 5.3	0.857	1.722	25.3	19.3	134 E	21	88
7 30	16 52.33	−26 15.0	0.881	1.705	28.0	19.4	128 E	19	90
8 4	16 49.36	−28 18.0	0.908	1.688	30.4	19.5	123 E	17	88
8 14	16 47.66	−32 3.9	0.971	1.655	34.3	19.8	113 E	13*	84
8 24	16 51.59	−35 24.5	1.040	1.623	37.1	19.9	105 E	9*	81
9 3	17 0.83	−38 22.2	1.112	1.593	38.9	20.1	97 E	6*	78
9 8	17 7.36	−39 42.9	1.147	1.579	39.5	20.2	94 E	4*	76*
9 13	17 15.12	−40 58.4	1.182	1.565	40.0	20.2	91 E	3*	74*
9 18	17 24.08	−42 8.6	1.216	1.552	40.3	20.3	88 E	2*	72*
9 23	17 34.19	−43 13.3	1.250	1.539	40.5	20.3	85 E	1*	70*
9 28	17 45.43	−44 12.0	1.282	1.526	40.7	20.4	83 E	—	68*
10 3	17 57.75	−45 4.5	1.313	1.515	40.7	20.4	81 E	—	66*
10 8	18 11.14	−45 50.2	1.342	1.504	40.6	20.4	78 E	—	64*
10 13	18 25.55	−46 28.7	1.370	1.494	40.5	20.5	76 E	—	63*
10 18	18 40.89	−46 59.2	1.397	1.484	40.3	20.5	75 E	—	62*
10 23	18 57.10	−47 21.2	1.423	1.476	40.1	20.5	73 E	—	61*

436384 2010 TD_{19} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
10 28	19 14.09	−47 34.0	1.447	1.468	39.9	20.5	71 E	—	60*
11 2	19 31.75	−47 36.9	1.470	1.461	39.6	20.5	70 E	—	59*
11 7	19 49.97	−47 29.3	1.491	1.455	39.3	20.5	68 E	—	58*
11 12	20 8.60	−47 11.0	1.512	1.450	39.0	20.6	67 E	—	58*
11 17	20 27.51	−46 41.5	1.532	1.446	38.7	20.6	66 E	—	57*
11 22	20 46.54	−46 0.7	1.551	1.443	38.3	20.6	65 E	—	57*
11 27	21 5.57	−45 8.5	1.569	1.441	38.0	20.6	64 E	—	56*
12 2	21 24.47	−44 5.1	1.587	1.439	37.6	20.6	63 E	1*	56*
12 7	21 43.15	−42 50.7	1.605	1.439	37.3	20.6	62 E	2*	56*
12 12	22 1.51	−41 26.0	1.623	1.440	36.9	20.6	61 E	4*	55*
12 17	22 19.47	−39 51.5	1.642	1.442	36.5	20.7	61 E	5*	55*
12 22	22 36.99	−38 8.0	1.661	1.444	36.1	20.7	60 E	7*	54*
12 27	22 54.04	−36 16.3	1.681	1.448	35.7	20.7	59 E	9*	53*
1 1	23 10.61	−34 17.3	1.701	1.453	35.2	20.7	58 E	10*	52*
1 6	23 26.72	−32 12.0	1.723	1.458	34.8	20.7	58 E	12*	51*
1 11	23 42.37	−30 1.3	1.747	1.465	34.3	20.8	57 E	14*	50*
1 16	23 57.57	−27 46.4	1.771	1.472	33.7	20.8	56 E	16*	49*
1 21	0 12.35	−25 28.2	1.798	1.480	33.2	20.8	55 E	18*	48*

89958 2002 LY_{45}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	18 32.44	−13 28.6	1.937	2.152	27.6	21.3	88 W	30*	75*
4 6	18 42.64	−12 21.2	1.714	2.065	28.8	21.0	95 W	32*	76
4 16	18 51.71	−10 57.6	1.491	1.971	29.8	20.6	103 W	34*	75
4 26	18 59.31	− 9 13.1	1.270	1.871	30.3	20.2	110 W	36*	73
5 1	19 2.44	− 8 10.6	1.162	1.819	30.5	19.9	114 W	37*	72
5 6	19 4.99	− 6 59.3	1.055	1.765	30.5	19.7	118 W	38*	71
5 11	19 6.87	− 5 36.9	0.950	1.709	30.3	19.4	121 W	39	70
5 16	19 7.92	− 4 0.3	0.848	1.651	30.1	19.0	125 W	41	68
5 21	19 7.93	− 2 5.0	0.748	1.590	29.8	18.7	129 W	43	66
5 26	19 6.62	+ 0 16.1	0.651	1.528	29.5	18.3	132 W	45	64
5 28	19 5.62	+ 1 22.1	0.613	1.502	29.4	18.1	133 W	46	63
5 30	19 4.30	+ 2 34.8	0.576	1.476	29.3	17.9	135 W	48	61
6 1	19 2.60	+ 3 55.5	0.539	1.450	29.3	17.7	136 W	49	60
6 3	19 0.46	+ 5 25.6	0.504	1.423	29.4	17.6	137 W	50	59
6 5	18 57.78	+ 7 7.0	0.468	1.395	29.6	17.4	137 W	52	57
6 7	18 54.47	+ 9 1.8	0.434	1.367	30.0	17.2	138 W	54	55
6 9	18 50.38	+11 12.8	0.401	1.339	30.7	17.0	138 W	56	53
6 11	18 45.31	+13 43.5	0.369	1.310	31.7	16.8	137 W	59	50
6 13	18 39.00	+16 38.2	0.338	1.281	33.3	16.6	136 W	62	47
6 15	18 31.06	+20 2.0	0.308	1.251	35.4	16.4	134 W	65	44
6 16	18 26.32	+21 56.6	0.294	1.236	36.8	16.3	133 W	67	42
6 17	18 20.95	+24 0.8	0.281	1.221	38.4	16.2	132 W	69	40
6 18	18 14.83	+26 15.2	0.268	1.205	40.3	16.1	130 W	71	38
6 19	18 7.82	+28 40.4	0.256	1.190	42.5	16.1	128 W	74	35
6 20	17 59.74	+31 17.0	0.244	1.174	45.0	16.0	125 W	76	33
6 21	17 50.36	+34 5.0	0.234	1.158	47.8	16.0	122 E	79	30
6 22	17 39.40	+37 3.9	0.224	1.142	50.9	15.9	119 E	82	27
6 23	17 26.50	+40 12.5	0.215	1.126	54.4	15.9	116 E	85	24
6 24	17 11.20	+43 28.4	0.207	1.110	58.3	15.9	112 E	88	21
6 25	16 52.97	+46 47.5	0.201	1.094	62.5	15.9	107 E	88	17
6 26	16 31.17	+50 4.0	0.196	1.077	67.0	16.0	103 E	85	14
6 27	16 5.17	+53 10.0	0.192	1.060	71.8	16.1	98 E	82	11
6 28	15 34.50	+55 55.6	0.190	1.043	76.8	16.2	93 E	79	8
6 29	14 59.16	+58 9.8	0.190	1.026	81.9	16.3	87 E	77	6
6 30	14 19.99	+59 42.6	0.191	1.009	87.0	16.5	82 E	74*	4
7 1	13 38.83	+60 27.9	0.193	0.991	92.1	16.7	77 E	70*	4
7 2	12 58.15	+60 25.1	0.197	0.973	97.1	16.9	72 E	66*	4
7 3	12 20.25	+59 39.9	0.203	0.955	101.9	17.2	67 E	61*	4*
7 4	11 46.59	+58 21.8	0.210	0.937	106.5	17.4	62 E	56*	5*
7 5	11 17.62	+56 41.3	0.218	0.919	110.8	17.7	58 E	52*	6*
7 6	10 53.11	+54 47.6	0.227	0.900	114.9	18.0	53 E	47*	6*
7 7	10 32.49	+52 47.7	0.237	0.882	118.8	18.3	49 E	43*	6*
7 8	10 15.13	+50 46.6	0.247	0.863	122.4	18.7	46 E	40*	6*
7 9	10 0.41	+48 47.6	0.259	0.843	125.8	19.0	42 E	36*	6*
7 10	9 47.85	+46 52.8	0.271	0.824	129.0	19.4	39 E	33*	5*
7 11	9 37.02	+45 3.1	0.285	0.804	132.0	19.7	36 E	30*	5*
7 12	9 27.61	+43 19.2	0.298	0.784	134.8	20.1	33 E	27*	4*
7 13	9 19.34	+41 41.1	0.313	0.764	137.6	20.4	30 E	24*	3*
7 14	9 12.01	+40 8.8	0.327	0.743	140.2	20.8	28 E	22*	3*
7 15	9 5.48	+38 42.0	0.343	0.723	142.7	21.2	26 E	19*	2*
7 16	8 59.60	+37 20.3	0.359	0.701	145.1	21.6	23 E	17*	1*
7 17	8 54.27	+36 3.5	0.375	0.680	147.4	22.0	21 E	15*	—
7 18	8 49.42	+34 51.2	0.392	0.658	149.6	22.4	19 E	13*	—

452384 2002 EV_8

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	18 53.06	−40 53.1	1.225	1.525	40.8	21.5	86 W	3*	72*
4 1	19 10.28	−41 20.3	1.182	1.514	41.3	21.4	87 W	2*	72*
4 6	19 27.62	−41 41.7	1.140	1.504	41.7	21.3	89 W	1*	72*
4 11	19 45.01	−41 57.3	1.099	1.493	42.1	21.2	90 W	—	72*
4 16	20 2.36	−42 6.9	1.059	1.483	42.5	21.1	92 W	—	72*

452384 2002 EV_8 *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 21	20 19.60	−42 10.6	1.020	1.473	42.9	21.0	93 W	—	73*
4 26	20 36.66	−42 8.5	0.983	1.464	43.2	21.0	95 W	—	73*
5 1	20 53.47	−42 0.8	0.946	1.454	43.5	20.9	96 W	—	74*
5 6	21 9.94	−41 47.7	0.910	1.445	43.8	20.8	98 W	—	74*
5 11	21 25.98	−41 29.5	0.876	1.437	44.0	20.7	99 W	—	74*
5 16	21 41.50	−41 6.8	0.842	1.428	44.1	20.6	100 W	—	75*
5 21	21 56.44	−40 39.7	0.809	1.420	44.2	20.5	102 W	—	75
5 26	22 10.72	−40 8.7	0.777	1.413	44.2	20.4	103 W	—	76
5 31	22 24.29	−39 34.2	0.746	1.406	44.2	20.3	105 W	1*	76
6 5	22 37.07	−38 56.8	0.715	1.399	44.0	20.2	107 W	1*	77
6 10	22 48.96	−38 16.9	0.686	1.393	43.8	20.1	108 W	2*	78
6 15	22 59.90	−37 34.9	0.656	1.387	43.4	20.0	110 W	4*	78
6 20	23 9.80	−36 50.8	0.628	1.382	42.9	19.9	112 W	5*	79
6 25	23 18.60	−36 4.8	0.600	1.378	42.2	19.7	114 W	6*	80
6 30	23 26.20	−35 17.0	0.573	1.374	41.4	19.6	117 W	8*	81
7 5	23 32.48	−34 27.5	0.546	1.370	40.3	19.5	119 W	9*	82
7 10	23 37.31	−33 35.8	0.521	1.367	39.0	19.3	122 W	11*	82
7 15	23 40.57	−32 41.3	0.496	1.365	37.4	19.2	125 W	12*	83
7 20	23 42.14	−31 42.9	0.473	1.364	35.5	19.0	129 W	13	84
7 25	23 41.92	−30 39.3	0.451	1.363	33.2	18.8	133 W	14	85
7 30	23 39.81	−29 29.1	0.430	1.362	30.5	18.7	137 W	16	87
8 4	23 35.75	−28 10.4	0.412	1.363	27.4	18.5	142 W	17	88
8 9	23 29.76	−26 41.4	0.396	1.364	23.9	18.3	147 W	18	89
8 14	23 22.01	−25 0.1	0.384	1.365	20.0	18.1	153 W	20	89
8 19	23 12.81	−23 5.4	0.375	1.367	15.8	17.9	158 W	22	87
8 24	23 2.60	−20 57.7	0.369	1.370	11.5	17.7	164 W	24	85
8 29	22 51.90	−18 38.9	0.368	1.374	7.8	17.6	169 W	26	83
9 3	22 41.28	−16 12.6	0.372	1.378	6.4	17.5	171 E	29	80
9 8	22 31.31	−13 43.3	0.380	1.382	8.4	17.7	168 E	31	78
9 13	22 22.48	−11 15.4	0.393	1.387	12.1	17.9	163 E	34	75
9 18	22 15.14	− 8 53.0	0.411	1.393	16.1	18.2	157 E	36	73
9 23	22 9.44	− 6 38.9	0.432	1.399	19.9	18.4	152 E	38	71
9 28	22 5.44	− 4 34.9	0.457	1.406	23.3	18.6	146 E	40	69
10 3	22 3.09	− 2 41.2	0.486	1.413	26.3	18.9	141 E	42	67
10 8	22 2.32	− 0 57.6	0.517	1.420	28.9	19.1	137 E	44	65
10 13	22 3.02	+ 0 37.2	0.551	1.428	31.1	19.3	132 E	46	63
10 18	22 5.03	+ 2 4.4	0.588	1.437	33.0	19.5	128 E	47	62
10 23	22 8.21	+ 3 25.0	0.626	1.445	34.5	19.7	125 E	48	61
10 28	22 12.41	+ 4 40.3	0.666	1.454	35.8	19.9	121 E	50	59
11 2	22 17.52	+ 5 51.1	0.708	1.464	36.8	20.1	118 E	51	58
11 7	22 23.44	+ 6 58.6	0.751	1.473	37.6	20.2	115 E	52	57
11 12	22 30.08	+ 8 3.7	0.796	1.483	38.3	20.4	112 E	53	56
11 17	22 37.34	+ 9 6.8	0.842	1.493	38.7	20.5	109 E	54	55
11 22	22 45.15	+10 8.6	0.888	1.503	39.1	20.7	106 E	55	54*
11 27	22 53.45	+11 9.3	0.936	1.514	39.3	20.8	104 E	56	52*
12 2	23 2.18	+12 9.3	0.985	1.524	39.4	20.9	101 E	57	50*
12 7	23 11.32	+13 8.8	1.034	1.535	39.3	21.1	99 E	58	48*
12 12	23 20.81	+14 8.1	1.084	1.546	39.3	21.2	97 E	59	46*
12 17	23 30.63	+15 7.2	1.135	1.557	39.1	21.3	94 E	60	44*
12 22	23 40.73	+16 6.1	1.186	1.568	38.8	21.4	92 E	61	42*
12 27	23 51.11	+17 4.7	1.238	1.578	38.5	21.5	90 E	62	39*

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3 27	18 56.39	−22 25.4	1.507	1.707	35.5	21.4	83 W	20*	77*
4 1	19 10.17	−21 48.1	1.437	1.676	36.4	21.3	85 W	21*	78*
4 6	19 24.18	−21 4.1	1.369	1.646	37.4	21.2	87 W	21*	80*
4 11	19 38.40	−20 13.1	1.302	1.616	38.3	21.1	88 W	22*	81*
4 16	19 52.84	−19 14.7	1.238	1.586	39.2	20.9	89 W	22*	81*
4 21	20 7.52	−18 8.6	1.177	1.557	40.2	20.8	91 W	23*	81*
4 26	20 22.43	−16 54.4	1.119	1.528	41.2	20.7	92 W	24*	81*
5 1	20 37.59	−15 31.9	1.063	1.500	42.1	20.6	93 W	25*	80*
5 6	20 53.01	−14 0.6	1.010	1.472	43.1	20.4	94 W	26*	78
5 16	21 24.60	−10 31.8	0.914	1.419	45.2	20.2	95 W	29*	75
5 26	21 57.23	− 6 28.9	0.831	1.371	47.4	20.0	96 W	32*	70
6 5	22 30.93	− 1 55.8	0.762	1.327	49.6	19.8	96 W	36*	66
6 10	22 48.14	+ 0 29.4	0.733	1.307	50.7	19.7	95 W	38*	64
6 15	23 5.55	+ 2 58.5	0.707	1.289	51.7	19.6	95 W	41*	61
6 20	23 23.14	+ 5 29.5	0.685	1.273	52.7	19.5	95 W	43*	59
6 25	23 40.88	+ 8 0.4	0.666	1.258	53.6	19.5	94 W	46*	56
6 30	23 58.72	+10 29.3	0.650	1.246	54.5	19.4	94 W	48*	54
7 5	0 16.59	+12 54.1	0.637	1.236	55.2	19.4	94 W	51*	51
7 10	0 34.40	+15 12.7	0.626	1.228	55.7	19.4	94 W	54*	49
7 15	0 52.07	+17 23.2	0.617	1.222	56.1	19.3	94 W	57*	47
7 20	1 9.50	+19 24.2	0.610	1.218	56.3	19.3	94 W	59*	45
7 25	1 26.60	+21 14.8	0.604	1.217	56.3	19.3	94 W	62*	43
7 30	1 43.26	+22 54.1	0.600	1.219	56.1	19.3	94 W	64*	41
8 4	1 59.35	+24 21.9	0.597	1.223	55.7	19.2	95 W	67*	40
8 9	2 14.73	+25 37.9	0.594	1.229	55.1	19.2	96 W	69*	38
8 14	2 29.28	+26 42.3	0.591	1.237	54.3	19.2	97 W	71*	37
8 19	2 42.87	+27 35.4	0.589	1.248	53.2	19.2	99 W	72*	36
8 24	2 55.41	+28 17.7	0.586	1.261	52.0	19.2	101 W	73*	36

242187 2003 KR_{18} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
8 29	3 6.77	+28 50.0	0.583	1.275	50.5	19.1	103 W	74	35
9 3	3 16.82	+29 12.7	0.580	1.292	48.8	19.1	106 W	74	35
9 8	3 25.44	+29 26.3	0.577	1.310	46.8	19.1	109 W	74	35
9 13	3 32.53	+29 31.1	0.573	1.330	44.6	19.0	112 W	75	34
9 18	3 38.02	+29 27.7	0.570	1.352	42.1	19.0	115 W	74	35
9 23	3 41.86	+29 16.2	0.567	1.375	39.4	18.9	120 W	74	35
10 3	3 44.46	+28 29.6	0.564	1.424	33.2	18.8	129 W	73	36
10 13	3 40.59	+27 11.7	0.567	1.477	25.8	18.7	140 W	72	37
10 23	3 31.63	+25 25.5	0.581	1.533	17.7	18.6	152 W	70	39
10 28	3 25.94	+24 24.4	0.594	1.562	13.5	18.5	159 W	69	40
11 2	3 19.88	+23 19.9	0.612	1.591	9.3	18.5	165 W	68	41
11 7	3 13.81	+22 14.2	0.634	1.621	5.2	18.4	171 W	67	42
11 12	3 8.06	+21 9.6	0.662	1.651	2.1	18.3	176 E	66	43
11 17	3 2.90	+20 8.3	0.695	1.682	3.6	18.6	174 E	65	44
11 22	2 58.52	+19 12.0	0.734	1.712	6.9	18.9	168 E	64	45
11 27	2 55.03	+18 22.0	0.778	1.743	10.1	19.2	162 E	63	46
12 2	2 52.50	+17 39.0	0.826	1.774	13.0	19.5	156 E	63	46
12 12	2 50.36	+16 35.1	0.938	1.835	17.8	20.0	145 E	62	47
12 22	2 51.88	+15 59.3	1.067	1.897	21.4	20.5	135 E	61	48
1 1	2 56.51	+15 46.9	1.210	1.958	24.0	20.9	126 E	61	48
1 11	3 3.73	+15 52.7	1.365	2.018	25.6	21.3	118 E	61	48

390662 2002 RM_{76}

3 27	19 14.24	−29 1.0	1.498	1.650	36.5	21.5	80 W	13*	74*
4 6	19 41.95	−28 33.2	1.408	1.637	37.4	21.3	84 W	13*	77*
4 16	20 8.66	−27 50.9	1.322	1.626	38.1	21.2	88 W	13*	81*
4 26	20 34.01	−26 56.8	1.239	1.618	38.4	21.0	92 W	14*	85*
5 6	20 57.71	−25 54.1	1.159	1.612	38.5	20.9	96 W	15*	90*
5 16	21 19.40	−24 46.7	1.084	1.609	38.2	20.7	100 W	16*	89
5 26	21 38.70	−23 38.5	1.012	1.610	37.4	20.6	105 W	18*	88
6 5	21 55.25	−22 33.6	0.944	1.613	36.0	20.4	111 W	20*	87
6 15	22 8.54	−21 35.9	0.881	1.619	34.0	20.2	117 W	22*	86
6 25	22 18.09	−20 48.5	0.825	1.628	31.2	20.0	124 W	24*	85
7 5	22 23.41	−20 13.5	0.775	1.640	27.5	19.7	132 W	25	84
7 15	22 24.09	−19 51.0	0.735	1.654	22.8	19.5	141 W	25	84
7 25	22 20.18	−19 37.8	0.707	1.670	17.1	19.3	151 W	25	84
7 30	22 16.68	−19 32.9	0.699	1.679	14.0	19.1	156 W	25	84
8 4	22 12.33	−19 28.1	0.695	1.689	10.8	19.0	162 W	26	83
8 9	22 7.34	−19 22.2	0.696	1.699	7.6	18.9	167 W	26	83
8 14	22 1.97	−19 14.4	0.701	1.710	4.9	18.8	172 W	26	83
8 19	21 56.51	−19 3.9	0.711	1.721	3.7	18.8	174 W	26	83
8 24	21 51.24	−18 50.2	0.727	1.732	5.3	18.9	171 E	26	83
8 29	21 46.39	−18 33.2	0.747	1.744	8.0	19.1	166 E	26	83
9 3	21 42.17	−18 12.8	0.772	1.757	10.8	19.3	161 E	27	82
9 8	21 38.74	−17 49.3	0.802	1.769	13.6	19.5	156 E	27	82
9 13	21 36.23	−17 22.9	0.837	1.782	16.2	19.7	150 E	28	81
9 23	21 34.12	−16 22.5	0.918	1.809	20.6	20.1	141 E	29	80
10 3	21 35.76	−15 14.1	1.014	1.837	24.0	20.5	132 E	30	79
10 13	21 40.76	−13 58.9	1.122	1.866	26.6	20.8	123 E	31	78
10 23	21 48.57	−12 37.7	1.241	1.896	28.3	21.1	116 E	32	77
11 2	21 58.60	−11 11.0	1.367	1.926	29.3	21.4	108 E	34	75

275975 2001 XF_1

3 27	19 17.16	− 3 51.5	0.868	1.162	56.7	21.5	77 W	36*	61*
4 6	20 7.89	− 4 53.0	0.794	1.088	61.9	21.3	74 W	32*	61*
4 16	21 5.44	− 5 50.8	0.744	1.016	67.5	21.2	69 W	27*	59*
4 26	22 8.48	− 6 30.0	0.724	0.948	72.6	21.1	64 W	21*	56*
5 6	23 13.63	− 6 31.3	0.739	0.887	76.1	21.1	59 W	14*	52*
5 16	0 16.56	− 5 42.9	0.787	0.838	76.9	21.2	54 W	9*	48*
5 26	1 14.17	− 4 6.8	0.863	0.806	74.7	21.2	50 W	5*	44*
6 5	2 5.58	− 1 54.3	0.958	0.793	70.1	21.3	47 W	3*	41*
6 15	2 51.30	+ 0 38.4	1.062	0.802	64.3	21.3	45 W	3*	39*
6 25	3 32.29	+ 3 16.0	1.166	0.831	58.4	21.4	44 W	5*	38*

88254 2001 FM_{129}

3 27	19 23.09	−22 33.4	1.631	1.712	34.6	21.4	77 W	18*	71*
4 6	19 44.14	−21 43.7	1.471	1.661	36.6	21.1	82 W	19*	76*
4 16	20 5.82	−20 40.9	1.309	1.603	38.7	20.9	87 W	20*	80*
4 26	20 28.58	−19 22.0	1.148	1.539	40.8	20.5	91 W	21*	82*
5 6	20 53.22	−17 42.0	0.990	1.469	43.2	20.2	95 W	23*	82
5 11	21 6.60	−16 41.3	0.912	1.431	44.6	20.0	96 W	24*	81
5 16	21 20.98	−15 31.3	0.836	1.391	46.1	19.8	97 W	24*	80
5 21	21 36.68	−14 9.5	0.762	1.350	47.9	19.6	98 W	26*	78
5 26	21 54.10	−12 32.4	0.691	1.306	50.1	19.3	98 W	27*	77
5 31	22 13.82	−10 35.4	0.623	1.261	52.8	19.1	98 W	28*	75
6 5	22 36.56	− 8 12.2	0.559	1.213	56.2	18.9	97 W	30*	72
6 10	23 3.25	− 5 15.2	0.500	1.164	60.5	18.7	94 W	31*	69

88254 2001 FM_{129} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
6 15	23 35.01	− 1 36.7	0.449	1.112	66.0	18.5	90 W	33*	66
6 20	0 12.95	+ 2 47.9	0.408	1.058	72.9	18.4	85 W	34*	61
6 25	0 57.72	+ 7 51.1	0.381	1.002	81.2	18.4	77 W	35*	56*
6 27	1 17.45	+ 9 57.8	0.375	0.980	84.8	18.5	74 W	35*	53*
6 29	1 38.06	+12 3.8	0.371	0.956	88.5	18.6	70 W	34*	50*
7 1	1 59.34	+14 5.9	0.371	0.933	92.2	18.7	66 W	34*	47*
7 3	2 21.05	+16 1.2	0.373	0.909	95.8	18.8	63 W	33*	44*
7 5	2 42.92	+17 46.9	0.379	0.884	99.3	18.9	59 W	32*	41*
7 7	3 4.67	+19 21.0	0.388	0.860	102.5	19.1	56 W	31*	38*
7 9	3 26.03	+20 42.3	0.400	0.835	105.3	19.2	52 W	30*	35*
7 11	3 46.76	+21 50.5	0.415	0.810	107.8	19.4	49 W	28*	33*
7 13	4 6.69	+22 45.9	0.432	0.785	109.9	19.5	47 W	27*	30*
7 15	4 25.71	+23 29.3	0.452	0.759	111.5	19.6	44 W	26*	28*
7 17	4 43.77	+24 2.0	0.475	0.734	112.7	19.7	42 W	25*	26*
7 19	5 0.86	+24 25.3	0.500	0.708	113.4	19.8	40 W	24*	24*
7 21	5 17.01	+24 40.4	0.527	0.683	113.7	19.9	38 W	23*	23*
7 23	5 32.30	+24 48.6	0.556	0.657	113.4	19.9	36 W	22*	21*
7 25	5 46.82	+24 50.8	0.588	0.632	112.7	19.9	35 W	22*	20*
7 27	6 0.66	+24 47.9	0.622	0.607	111.5	19.8	34 W	21*	19*
7 29	6 13.93	+24 40.5	0.657	0.583	109.8	19.8	33 W	20*	18*
7 31	6 26.74	+24 29.1	0.695	0.559	107.6	19.7	32 W	20*	17*
8 2	6 39.19	+24 14.1	0.734	0.537	104.9	19.6	31 W	19*	16*
8 4	6 51.39	+23 55.6	0.775	0.516	101.7	19.4	30 W	19*	16*
8 6	7 3.42	+23 33.8	0.818	0.496	98.0	19.3	29 W	18*	15*
8 8	7 15.36	+23 8.6	0.863	0.479	93.7	19.1	28 W	18*	14*
8 10	7 27.29	+22 40.0	0.909	0.464	89.0	19.0	27 W	17*	13*
8 12	7 39.24	+22 7.9	0.956	0.453	83.9	18.8	26 W	17*	13*
8 14	7 51.23	+21 32.4	1.004	0.444	78.4	18.7	25 W	16*	12*
8 16	8 3.26	+20 53.5	1.052	0.439	72.8	18.6	24 W	15*	11*
8 18	8 15.31	+20 11.2	1.099	0.438	67.0	18.5	23 W	15*	10*
8 20	8 27.33	+19 25.8	1.146	0.441	61.3	18.4	22 W	14*	10*
8 22	8 39.26	+18 37.6	1.193	0.448	55.8	18.4	21 W	13*	9*
8 24	8 51.04	+17 47.0	1.238	0.458	50.6	18.3	20 W	12*	8*
8 26	9 2.61	+16 54.4	1.281	0.471	45.8	18.3	20 W	11*	7*
8 28	9 13.93	+16 0.4	1.323	0.487	41.4	18.4	19 W	11*	7*
8 30	9 24.96	+15 5.4	1.363	0.506	37.4	18.4	18 W	10*	6*
9 1	9 35.67	+14 9.7	1.402	0.526	33.9	18.4	17 W	9*	6*
9 3	9 46.06	+13 13.7	1.439	0.548	30.8	18.5	16 W	9*	5*
9 8	10 10.57	+10 54.4	1.526	0.607	24.7	18.7	15 W	7*	4*
9 13	10 33.12	+ 8 38.4	1.606	0.669	20.4	18.9	13 W	6*	3*
9 18	10 53.90	+ 6 27.5	1.679	0.733	17.6	19.1	13 W	6*	3*
9 23	11 13.15	+ 4 22.7	1.748	0.797	15.7	19.3	12 W	5*	3*
10 3	11 47.95	+ 0 32.0	1.870	0.920	13.8	19.7	13 W	6*	3*
10 13	12 18.92	− 2 54.2	1.975	1.036	13.6	20.0	14 W	7*	4*
10 23	12 47.06	− 5 57.9	2.063	1.143	14.2	20.4	16 W	9*	5*
11 2	13 13.10	− 8 41.8	2.134	1.242	15.3	20.7	19 W	11*	8*
11 12	13 37.51	−11 7.8	2.187	1.332	16.8	20.9	23 W	13*	11*
11 22	14 0.60	−13 17.5	2.223	1.415	18.4	21.1	27 W	16*	14*
12 2	14 22.61	−15 12.5	2.241	1.490	20.1	21.3	31 W	18*	19*
12 12	14 43.67	−16 53.8	2.241	1.559	21.9	21.5	36 W	20*	24*

200597 2001 RA_{77}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	19 32.38	−21 43.3	2.599	2.529	22.4	21.5	75 W	18*	69*
4 6	19 45.87	−21 22.9	2.446	2.504	23.3	21.3	82 W	19*	75*
4 16	19 58.22	−21 3.1	2.291	2.477	23.9	21.2	89 W	20*	82*
4 26	20 9.21	−20 45.8	2.136	2.450	24.1	21.0	96 W	21*	85
5 6	20 18.62	−20 33.2	1.984	2.422	23.9	20.8	103 W	22*	85
5 16	20 26.14	−20 27.8	1.836	2.394	23.2	20.6	111 W	23*	84
5 26	20 31.43	−20 32.1	1.694	2.365	21.9	20.4	120 W	24*	85
6 5	20 34.16	−20 48.2	1.563	2.335	19.9	20.1	129 W	24*	85
6 15	20 33.94	−21 17.8	1.445	2.305	17.0	19.8	138 W	24	85
6 25	20 30.54	−22 1.1	1.343	2.274	13.4	19.5	149 W	23	86
7 5	20 23.99	−22 55.9	1.261	2.242	9.0	19.2	160 W	22	87
7 10	20 19.62	−23 26.3	1.228	2.227	6.6	19.0	165 W	22	87
7 15	20 14.66	−23 57.5	1.201	2.211	4.1	18.8	171 W	21	88
7 20	20 9.26	−24 28.5	1.180	2.195	2.2	18.6	175 W	21	88
7 25	20 3.58	−24 58.5	1.166	2.179	2.8	18.6	174 E	20	89
7 30	19 57.83	−25 26.5	1.158	2.163	5.3	18.7	169 E	20	89
8 4	19 52.20	−25 51.8	1.156	2.147	8.0	18.8	163 E	19	90
8 9	19 46.91	−26 13.8	1.160	2.130	10.7	18.9	157 E	19	90
8 14	19 42.17	−26 32.0	1.169	2.114	13.3	19.0	151 E	18	89
8 19	19 38.13	−26 46.4	1.184	2.098	15.8	19.1	146 E	18	89
8 24	19 34.94	−26 57.1	1.203	2.082	18.2	19.2	140 E	18	89
9 3	19 31.39	−27 7.6	1.252	2.049	22.3	19.4	130 E	18	89
9 13	19 31.89	−27 5.2	1.314	2.017	25.6	19.6	120 E	18	89
9 23	19 36.36	−26 51.3	1.384	1.985	28.1	19.7	111 E	18	89
10 3	19 44.43	−26 26.7	1.460	1.953	29.9	19.9	104 E	19	90
10 13	19 55.67	−25 51.1	1.537	1.922	31.1	20.0	96 E	19	90
10 23	20 9.61	−25 4.1	1.616	1.892	31.7	20.1	90 E	20	83*

200597 2001 RA_{77} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
11 2	20 25.77	−24 4.9	1.693	1.863	32.0	20.1	84 E	21	76*
11 12	20 43.76	−22 52.7	1.768	1.834	31.8	20.2	78 E	22	70*
11 22	21 3.23	−21 27.0	1.840	1.807	31.4	20.2	72 E	24	63*
12 2	21 23.84	−19 47.6	1.909	1.782	30.7	20.3	67 E	25*	57*
12 12	21 45.38	−17 54.6	1.975	1.758	29.9	20.3	63 E	27*	50*
12 22	22 7.61	−15 48.7	2.036	1.736	28.8	20.3	58 E	28*	44*
1 1	22 30.39	−13 30.7	2.095	1.715	27.7	20.3	54 E	29*	39*
1 11	22 53.61	−11 2.0	2.150	1.698	26.4	20.3	50 E	30*	34*
1 21	23 17.18	− 8 24.2	2.203	1.682	25.1	20.3	46 E	30*	30*

434677 2006 BZ_7

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	19 36.78	−46 9.9	1.764	1.857	31.9	21.4	79 W	—	62*
4 1	19 38.95	−45 32.2	1.706	1.872	32.0	21.4	83 W	—	65*
4 6	19 40.04	−44 54.8	1.646	1.886	32.0	21.3	87 W	—	68*
4 11	19 39.95	−44 17.1	1.583	1.900	31.8	21.2	92 W	—	71*
4 16	19 38.56	−43 38.8	1.519	1.913	31.4	21.2	96 W	—	72*
4 21	19 35.73	−42 58.8	1.455	1.925	30.8	21.1	101 W	1*	73
4 26	19 31.36	−42 16.1	1.391	1.937	29.8	20.9	107 W	2*	74
5 1	19 25.30	−41 29.2	1.327	1.948	28.6	20.8	112 W	3*	75
5 6	19 17.43	−40 36.2	1.266	1.959	26.9	20.7	118 W	4*	75
5 11	19 7.66	−39 34.8	1.208	1.968	24.9	20.5	125 W	5	76
5 16	18 55.98	−38 22.0	1.154	1.977	22.4	20.4	132 W	7	78
5 21	18 42.49	−36 55.1	1.107	1.986	19.5	20.2	139 W	8	79
5 26	18 27.43	−35 11.6	1.066	1.994	16.1	20.0	147 W	10	81
5 31	18 11.18	−33 9.9	1.035	2.001	12.3	19.8	155 W	12	83
6 5	17 54.25	−30 50.1	1.013	2.007	8.1	19.6	164 W	14	85
6 10	17 37.23	−28 14.7	1.002	2.013	3.9	19.4	172 W	17	88
6 15	17 20.73	−25 28.2	1.003	2.018	1.8	19.3	176 E	20	89
6 20	17 5.28	−22 36.7	1.016	2.023	5.6	19.5	169 E	22	87
6 25	16 51.28	−19 46.9	1.040	2.027	9.7	19.8	160 E	25	84
6 30	16 38.96	−17 4.6	1.075	2.030	13.6	20.0	152 E	28	81
7 5	16 28.40	−14 34.0	1.119	2.032	17.0	20.2	144 E	30	79
7 10	16 19.61	−12 17.8	1.171	2.034	20.0	20.4	137 E	33	76
7 15	16 12.51	−10 17.0	1.229	2.035	22.6	20.6	130 E	35	74
7 20	16 6.98	− 8 31.5	1.293	2.036	24.7	20.7	123 E	36	73
7 25	16 2.86	− 7 0.2	1.360	2.036	26.3	20.9	117 E	38*	71
7 30	16 0.01	− 5 41.9	1.430	2.035	27.6	21.1	112 E	39*	70
8 4	15 58.29	− 4 35.1	1.502	2.034	28.6	21.2	106 E	39*	69
8 9	15 57.57	− 3 38.2	1.575	2.032	29.3	21.3	101 E	39*	68
8 14	15 57.75	− 2 49.9	1.648	2.029	29.7	21.4	96 E	39*	67

417422 2006 KZ_{42}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	19 38.12	−17 13.0	1.887	1.857	30.9	21.4	73 W	22*	66*
4 6	20 0.21	−15 9.0	1.769	1.828	32.3	21.3	77 W	24*	69*
4 16	20 21.54	−12 48.0	1.654	1.801	33.4	21.2	81 W	26*	72*
4 26	20 41.98	−10 11.3	1.543	1.776	34.4	21.0	86 W	28*	73*
5 6	21 1.41	− 7 20.2	1.437	1.752	35.1	20.9	90 W	31*	71*
5 16	21 19.67	− 4 16.6	1.336	1.731	35.6	20.7	94 W	35*	68
5 26	21 36.59	− 1 3.3	1.241	1.713	35.8	20.5	98 W	39*	65
6 5	21 51.99	+ 2 17.0	1.153	1.697	35.7	20.3	103 W	44*	62
6 15	22 5.57	+ 5 40.1	1.071	1.684	35.1	20.1	108 W	49*	58
6 20	22 11.59	+ 7 21.1	1.033	1.678	34.7	20.0	110 W	51*	57
6 25	22 17.04	+ 9 0.9	0.996	1.674	34.1	19.9	113 W	54*	55
6 30	22 21.87	+10 38.6	0.962	1.670	33.4	19.8	115 W	56*	53
7 5	22 26.03	+12 13.4	0.929	1.667	32.6	19.7	118 W	57	52
7 10	22 29.47	+13 44.1	0.898	1.665	31.7	19.6	121 W	59	50
7 15	22 32.14	+15 9.5	0.870	1.663	30.6	19.5	123 W	60	49
7 20	22 34.02	+16 28.3	0.844	1.662	29.4	19.4	126 W	61	48
7 25	22 35.09	+17 39.4	0.820	1.663	28.1	19.3	130 W	63	46
7 30	22 35.35	+18 41.3	0.798	1.663	26.7	19.2	133 W	64	45
8 4	22 34.80	+19 32.6	0.780	1.665	25.1	19.1	136 W	65	44
8 9	22 33.51	+20 11.8	0.764	1.668	23.5	19.0	139 W	65	44
8 14	22 31.57	+20 37.8	0.751	1.671	21.8	19.0	142 W	66	43
8 19	22 29.13	+20 49.9	0.742	1.675	20.2	18.9	145 W	66	43
8 24	22 26.35	+20 47.6	0.736	1.680	18.7	18.8	148 W	66	43
8 29	22 23.43	+20 31.3	0.734	1.686	17.4	18.8	150 E	66	43
9 3	22 20.56	+20 1.4	0.736	1.692	16.5	18.8	152 E	65	44
9 8	22 17.96	+19 19.3	0.742	1.699	16.0	18.8	152 E	64	45
9 13	22 15.82	+18 27.0	0.752	1.707	16.0	18.8	152 E	63	46
9 18	22 14.32	+17 26.7	0.766	1.716	16.5	18.9	151 E	62	47
9 23	22 13.56	+16 21.1	0.785	1.725	17.4	19.0	149 E	61	48
9 28	22 13.61	+15 12.5	0.808	1.735	18.5	19.1	147 E	60	49
10 3	22 14.52	+14 3.3	0.835	1.745	19.8	19.2	144 E	59	50
10 8	22 16.30	+12 55.4	0.866	1.756	21.2	19.3	141 E	58	51
10 13	22 18.93	+11 50.8	0.901	1.768	22.6	19.5	137 E	57	52
10 18	22 22.37	+10 50.7	0.939	1.780	23.9	19.6	134 E	56	53
10 23	22 26.56	+ 9 56.3	0.982	1.792	25.1	19.8	130 E	55	54
11 2	22 36.90	+ 8 26.3	1.076	1.819	27.2	20.1	123 E	53	56
11 12	22 49.48	+ 7 23.1	1.181	1.847	28.7	20.4	116 E	52	57
11 22	23 3.78	+ 6 46.2	1.297	1.877	29.7	20.6	110 E	52	57

417422 2006 KZ_{42} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 2	23 19.37	+ 6 32.8	1.422	1.908	30.2	20.9	103 E	52	57*
12 12	23 35.93	+ 6 40.2	1.553	1.940	30.2	21.1	97 E	52	54*
12 22	23 53.20	+ 7 4.9	1.690	1.973	29.9	21.3	91 E	52	51*

410302 2007 TR_{361}

3 27	19 49.02	−25 19.1	1.983	1.921	29.6	21.4	72 W	14*	66*
4 6	20 13.08	−24 47.4	1.851	1.882	31.1	21.2	76 W	14*	70*
4 16	20 37.08	−24 7.1	1.721	1.844	32.5	21.1	81 W	14*	74*
4 26	21 0.94	−23 19.3	1.595	1.806	33.7	20.9	85 W	15*	79*
5 6	21 24.60	−22 25.2	1.474	1.770	34.7	20.7	89 W	15*	83*
5 16	21 47.94	−21 26.7	1.358	1.736	35.6	20.5	93 W	17*	85*
5 26	22 10.83	−20 25.6	1.248	1.703	36.2	20.3	97 W	18*	84
6 5	22 33.14	−19 24.1	1.144	1.673	36.5	20.1	101 W	20*	83
6 15	22 54.65	−18 24.7	1.047	1.645	36.5	19.9	106 W	22*	82
6 25	23 15.06	−17 29.9	0.958	1.619	36.1	19.6	110 W	25*	81
7 5	23 34.05	−16 42.1	0.876	1.597	35.3	19.4	115 W	27*	81
7 15	23 51.10	−16 4.1	0.801	1.578	33.9	19.1	120 W	29*	80
7 25	0 5.64	−15 37.1	0.735	1.563	31.9	18.9	126 W	29	80
8 4	0 17.04	−15 21.7	0.678	1.551	29.1	18.6	132 W	30	79
8 9	0 21.33	−15 18.0	0.652	1.547	27.5	18.4	135 W	30	79
8 14	0 24.58	−15 16.3	0.630	1.544	25.6	18.3	139 W	30	79
8 19	0 26.74	−15 15.9	0.610	1.542	23.5	18.2	143 W	30	79
8 24	0 27.78	−15 15.7	0.593	1.541	21.2	18.0	147 W	30	79
8 29	0 27.72	−15 14.6	0.579	1.541	18.8	17.9	151 W	30	79
9 3	0 26.58	−15 11.5	0.568	1.542	16.3	17.8	155 W	30	79
9 8	0 24.48	−15 4.9	0.561	1.544	13.8	17.7	159 W	30	79
9 13	0 21.60	−14 53.3	0.558	1.547	11.6	17.6	162 W	30	79
9 18	0 18.17	−14 35.5	0.559	1.551	10.0	17.5	165 W	30	79
9 23	0 14.44	−14 10.6	0.564	1.556	9.4	17.5	165 W	31	78
9 28	0 10.67	−13 38.3	0.574	1.562	10.0	17.6	164 E	31	78
10 3	0 7.13	−12 58.7	0.587	1.569	11.5	17.7	162 E	32	77
10 8	0 4.04	−12 12.1	0.605	1.577	13.6	17.9	158 E	33	76
10 13	0 1.62	−11 19.1	0.627	1.586	15.9	18.1	154 E	34	75
10 18	24 0.00	−10 20.6	0.654	1.596	18.2	18.2	150 E	35	74
10 23	23 59.25	− 9 17.7	0.684	1.606	20.4	18.4	146 E	36	73
10 28	23 59.41	− 8 11.4	0.717	1.618	22.5	18.6	141 E	37	72
11 2	0 0.45	− 7 2.5	0.755	1.630	24.3	18.8	137 E	38	71
11 7	0 2.37	− 5 51.6	0.796	1.643	26.0	19.0	133 E	39	70
11 12	0 5.12	− 4 39.3	0.839	1.657	27.4	19.1	130 E	40	69
11 22	0 12.85	− 2 12.6	0.936	1.686	29.6	19.5	122 E	43	66
12 2	0 23.08	+ 0 14.6	1.043	1.717	31.2	19.8	116 E	45	64
12 12	0 35.36	+ 2 40.6	1.159	1.751	32.1	20.1	109 E	48	61
12 22	0 49.28	+ 5 4.2	1.282	1.786	32.4	20.4	103 E	50	58*
1 1	1 4.50	+ 7 24.2	1.412	1.823	32.3	20.6	97 E	52	54*
1 11	1 20.79	+ 9 39.9	1.548	1.861	31.9	20.9	92 E	55	49*
1 21	1 37.96	+11 50.4	1.688	1.899	31.1	21.1	86 E	57	45*

39774 1997 GO_{27}

3 27	19 49.95	− 4 25.1	1.392	1.385	42.1	21.5	69 W	33*	56*
4 6	20 18.43	− 1 30.5	1.333	1.375	43.3	21.4	71 W	34*	57*
4 16	20 46.34	+ 1 35.5	1.277	1.366	44.5	21.3	72 W	36*	57*
4 26	21 13.70	+ 4 48.5	1.223	1.357	45.5	21.2	74 W	38*	56*
5 6	21 40.63	+ 8 4.1	1.171	1.349	46.5	21.2	76 W	40*	54*
5 16	22 7.20	+11 17.9	1.120	1.342	47.4	21.1	78 W	43*	52*
5 26	22 33.49	+14 25.3	1.070	1.336	48.3	21.0	80 W	45*	50*
6 5	22 59.64	+17 22.0	1.020	1.331	49.0	20.9	82 W	49*	47
6 15	23 25.68	+20 3.7	0.969	1.326	49.6	20.8	84 W	52*	44
6 25	23 51.65	+22 25.8	0.917	1.323	50.0	20.7	86 W	56*	42
7 5	0 17.56	+24 23.8	0.864	1.321	50.3	20.6	89 W	61*	40
7 15	0 43.27	+25 52.5	0.809	1.320	50.3	20.4	92 W	65*	38
7 20	0 55.97	+26 24.0	0.781	1.321	50.2	20.3	94 W	67*	38
7 25	1 8.54	+26 45.9	0.753	1.321	49.9	20.2	95 W	69*	37
7 30	1 20.91	+26 57.5	0.724	1.322	49.6	20.2	97 W	70*	37
8 4	1 33.03	+26 57.8	0.696	1.323	49.2	20.1	100 W	71*	37
8 9	1 44.80	+26 45.6	0.667	1.324	48.5	20.0	102 W	72*	37
8 14	1 56.14	+26 19.8	0.639	1.325	47.8	19.8	104 W	71	38
8 19	2 6.95	+25 39.2	0.610	1.327	46.8	19.7	107 W	71	38
8 24	2 17.15	+24 42.5	0.582	1.329	45.6	19.6	110 W	70	39
8 29	2 26.60	+23 28.3	0.555	1.332	44.1	19.4	113 W	68	41
9 3	2 35.18	+21 55.3	0.529	1.334	42.4	19.3	117 W	67	42
9 8	2 42.73	+20 1.9	0.503	1.337	40.4	19.1	121 W	65	44
9 13	2 49.14	+17 47.1	0.480	1.340	38.0	19.0	125 W	63	46
9 18	2 54.29	+15 10.5	0.459	1.344	35.3	18.8	129 W	60	49
9 23	2 58.10	+12 12.3	0.440	1.347	32.4	18.6	134 W	57	52
9 28	3 0.47	+ 8 54.3	0.424	1.351	29.2	18.5	139 W	54	55
10 3	3 1.37	+ 5 19.6	0.412	1.355	26.0	18.3	144 W	50	59
10 8	3 0.79	+ 1 33.7	0.404	1.359	22.9	18.2	148 W	47	62
10 13	2 58.86	− 2 15.8	0.400	1.363	20.4	18.1	152 W	43	66
10 18	2 55.78	− 6 0.3	0.401	1.368	18.8	18.1	154 W	39	70
10 23	2 51.78	− 9 31.1	0.407	1.372	18.5	18.1	154 W	35	74

39774 1997 GO_{27} *(continuation)*

10 28	2 47.17	−12 40.6	0.417	1.377	19.4	18.2	153 W	32	77
11 2	2 42.29	−15 23.2	0.431	1.382	21.2	18.3	150 W	30	79
11 7	2 37.50	−17 35.5	0.449	1.387	23.5	18.5	146 E	27	82
11 12	2 33.13	−19 16.6	0.471	1.392	25.9	18.7	142 E	26	83
11 17	2 29.47	−20 28.0	0.495	1.397	28.3	18.8	138 E	25	84
11 22	2 26.68	−21 12.2	0.522	1.402	30.4	19.0	134 E	24	85
11 27	2 24.88	−21 32.4	0.551	1.407	32.4	19.2	130 E	23	86
12 2	2 24.13	−21 31.6	0.582	1.412	34.1	19.4	127 E	23	86
12 7	2 24.44	−21 12.9	0.614	1.417	35.7	19.6	123 E	24	85
12 12	2 25.81	−20 39.3	0.648	1.422	36.9	19.7	120 E	24	85
12 17	2 28.16	−19 53.5	0.682	1.427	38.0	19.9	117 E	25	84
12 22	2 31.44	−18 57.7	0.718	1.432	38.9	20.0	114 E	26	83
12 27	2 35.55	−17 53.8	0.754	1.437	39.7	20.1	111 E	27	82
1 1	2 40.44	−16 43.4	0.790	1.442	40.3	20.3	108 E	28	81
1 6	2 46.05	−15 27.7	0.827	1.447	40.8	20.4	106 E	30	79
1 11	2 52.33	−14 8.1	0.865	1.452	41.2	20.5	103 E	31	78
1 16	2 59.21	−12 45.6	0.902	1.457	41.5	20.6	101 E	32	77*
1 21	3 6.63	−11 21.2	0.940	1.461	41.7	20.7	99 E	34	75*

248926 2006 WZ_2

3 27	19 55.97	−45 42.7	2.189	2.172	26.4	21.5	76 W	—	60*
4 6	20 17.92	−46 11.1	2.065	2.154	27.3	21.4	81 W	—	63*
4 16	20 38.87	−46 42.1	1.939	2.133	28.0	21.2	87 W	—	65*
4 26	20 58.54	−47 18.5	1.813	2.111	28.4	21.1	92 W	—	67*
5 6	21 16.69	−48 3.2	1.689	2.086	28.6	20.9	98 W	—	68*
5 16	21 32.90	−48 59.7	1.568	2.060	28.5	20.7	104 W	—	67
5 26	21 46.65	−50 10.6	1.451	2.032	28.0	20.5	110 W	—	66
5 31	21 52.39	−50 52.2	1.395	2.017	27.6	20.4	113 W	—	65
6 5	21 57.23	−51 38.2	1.340	2.002	27.1	20.3	116 W	—	64
6 10	22 1.02	−52 28.5	1.287	1.986	26.6	20.1	119 W	—	64
6 15	22 3.58	−53 23.0	1.236	1.970	26.0	20.0	122 W	—	63
6 20	22 4.74	−54 21.0	1.188	1.954	25.3	19.9	125 W	—	62
6 25	22 4.31	−55 21.6	1.143	1.937	24.6	19.8	127 W	—	61
6 30	22 2.04	−56 23.5	1.100	1.919	23.9	19.6	130 W	—	60
7 5	21 57.69	−57 24.9	1.061	1.901	23.2	19.5	132 W	—	59
7 10	21 51.06	−58 23.0	1.025	1.883	22.6	19.4	135 W	—	58
7 15	21 42.01	−59 14.5	0.993	1.865	22.1	19.3	136 W	—	57
7 20	21 30.59	−59 55.4	0.964	1.845	21.9	19.2	137 W	—	56
7 25	21 17.04	−60 21.7	0.940	1.826	21.9	19.1	138 W	—	56
7 27	21 11.12	−60 27.2	0.932	1.818	21.9	19.1	138 W	—	56
7 29	21 4.99	−60 29.6	0.924	1.810	22.1	19.1	138 W	—	56
7 31	20 58.68	−60 28.6	0.916	1.802	22.3	19.1	138 W	—	56
8 2	20 52.26	−60 24.1	0.910	1.794	22.5	19.0	137 W	—	56
8 4	20 45.78	−60 15.9	0.904	1.786	22.8	19.0	137 E	—	56
8 6	20 39.31	−60 3.9	0.899	1.778	23.1	19.0	136 E	—	56
8 8	20 32.91	−59 48.2	0.895	1.769	23.5	19.0	136 E	—	56
8 10	20 26.64	−59 28.8	0.891	1.761	24.0	19.0	135 E	—	57
8 12	20 20.55	−59 5.6	0.888	1.753	24.4	19.0	134 E	—	57
8 14	20 14.71	−58 38.9	0.885	1.744	25.0	19.0	133 E	—	57
8 16	20 9.14	−58 8.8	0.884	1.736	25.5	19.0	132 E	—	58
8 18	20 3.90	−57 35.4	0.883	1.727	26.1	19.0	131 E	—	58
8 20	19 59.00	−56 59.0	0.882	1.719	26.7	19.0	130 E	—	59
8 22	19 54.47	−56 19.9	0.882	1.710	27.4	19.0	129 E	—	60
8 24	19 50.32	−55 38.1	0.883	1.701	28.0	19.0	128 E	—	60
8 29	19 41.65	−53 44.0	0.887	1.680	29.7	19.1	124 E	—	62
9 3	19 35.40	−51 38.8	0.894	1.657	31.4	19.1	121 E	—	64
9 8	19 31.44	−49 25.8	0.905	1.635	33.2	19.1	117 E	—	67
9 13	19 29.58	−47 7.8	0.917	1.613	34.8	19.2	114 E	—	69
9 18	19 29.56	−44 47.1	0.932	1.590	36.4	19.2	110 E	—	71
9 23	19 31.13	−42 25.2	0.949	1.567	37.8	19.3	107 E	3	74
9 28	19 34.07	−40 3.2	0.967	1.544	39.2	19.3	103 E	5	76
10 3	19 38.18	−37 41.7	0.986	1.521	40.4	19.4	100 E	7	78
10 8	19 43.31	−35 21.1	1.006	1.498	41.5	19.4	97 E	10	81
10 13	19 49.33	−33 1.5	1.027	1.475	42.5	19.5	94 E	12	83*
10 18	19 56.08	−30 42.8	1.047	1.452	43.3	19.5	90 E	14	83*
10 23	20 3.48	−28 24.9	1.068	1.429	44.1	19.5	88 E	17	82*
11 2	20 19.85	−23 50.1	1.108	1.384	45.3	19.6	82 E	21	75*
11 12	20 37.96	−19 14.5	1.145	1.340	46.1	19.6	77 E	26	67*
11 22	20 57.46	−14 35.9	1.179	1.299	46.7	19.6	73 E	30*	59*
12 2	21 18.14	− 9 52.2	1.208	1.260	47.0	19.6	69 E	35*	51*
12 12	21 39.97	− 5 2.0	1.233	1.225	47.2	19.6	66 E	39*	43*
12 22	22 2.97	− 0 4.7	1.252	1.195	47.3	19.6	63 E	43*	36*
1 1	22 27.32	+ 4 59.1	1.266	1.170	47.4	19.5	61 E	47*	29*
1 11	22 53.31	+10 8.1	1.277	1.151	47.4	19.5	60 E	49*	23*
1 21	23 21.34	+15 19.1	1.284	1.140	47.5	19.5	59 E	51*	19*

533544 2014 JK_{57}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 27	20 25.50	−22 32.9	1.786	1.603	33.7	21.5	63 W	13*	57*
4 6	20 54.58	−21 42.3	1.716	1.600	34.9	21.4	66 W	12*	60*
4 16	21 22.80	−20 41.3	1.648	1.600	36.0	21.4	69 W	12*	63*
4 26	21 49.97	−19 33.1	1.582	1.604	36.8	21.3	73 W	13*	67*
5 6	22 15.93	−18 21.3	1.518	1.611	37.5	21.3	76 W	13*	70*
5 16	22 40.54	−17 9.7	1.455	1.621	37.9	21.2	80 W	14*	74*
5 26	23 3.61	−16 2.1	1.394	1.635	38.0	21.1	84 W	16*	77*
6 5	23 24.99	−15 2.0	1.333	1.651	37.9	21.0	88 W	18*	78*
6 15	23 44.45	−14 13.1	1.273	1.670	37.4	20.9	93 W	21*	78
6 25	0 1.70	−13 38.7	1.214	1.692	36.5	20.8	98 W	24*	78
7 5	0 16.46	−13 21.5	1.157	1.716	35.1	20.7	104 W	27*	77
7 15	0 28.30	−13 23.8	1.102	1.743	33.1	20.6	111 W	30*	77
7 25	0 36.77	−13 46.7	1.051	1.771	30.5	20.5	118 W	31*	78
8 4	0 41.45	−14 29.3	1.007	1.801	27.2	20.3	126 W	31	78
8 9	0 42.24	−14 57.1	0.988	1.816	25.2	20.2	130 W	30	79
8 14	0 41.96	−15 28.3	0.972	1.832	23.1	20.1	135 W	30	79
8 19	0 40.61	−16 1.8	0.958	1.848	20.9	20.1	139 W	29	80
8 24	0 38.25	−16 36.3	0.949	1.864	18.6	20.0	144 W	28	81
8 29	0 34.93	−17 10.3	0.943	1.881	16.3	19.9	149 W	28	81
9 3	0 30.76	−17 42.3	0.942	1.897	14.0	19.9	153 W	27	82
9 8	0 25.89	−18 10.6	0.946	1.914	11.9	19.8	157 W	27	82
9 13	0 20.53	−18 33.6	0.955	1.931	10.4	19.8	160 W	26	83
9 18	0 14.90	−18 49.9	0.970	1.949	9.5	19.8	161 W	26	83
9 23	0 9.24	−18 58.8	0.990	1.966	9.6	19.9	161 W	26	83
9 28	0 3.77	−18 59.8	1.016	1.984	10.5	20.0	159 E	26	83
10 3	23 58.67	−18 52.6	1.047	2.001	12.0	20.1	156 E	26	83
10 8	23 54.13	−18 37.7	1.083	2.019	13.7	20.3	152 E	26	83
10 13	23 50.29	−18 15.4	1.125	2.036	15.4	20.4	147 E	27	82
10 18	23 47.23	−17 46.5	1.172	2.054	17.1	20.6	143 E	27	82
10 23	23 44.98	−17 11.8	1.222	2.072	18.7	20.8	138 E	28	81
10 28	23 43.56	−16 32.3	1.278	2.090	20.2	20.9	134 E	28	81
11 2	23 42.96	−15 48.5	1.336	2.107	21.4	21.1	129 E	29	80
11 7	23 43.14	−15 1.2	1.399	2.125	22.5	21.2	125 E	30	79
11 12	23 44.06	−14 11.0	1.464	2.143	23.5	21.4	120 E	31	78

313594 2003 NB_{7}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	20 26.90	−21 56.3	1.986	1.764	30.1	21.4	63 W	13*	57*
4 6	20 53.46	−20 38.6	1.883	1.738	31.8	21.3	66 W	13*	60*
4 16	21 19.65	−19 8.6	1.784	1.715	33.3	21.2	70 W	14*	64*
4 26	21 45.36	−17 28.4	1.687	1.694	34.6	21.1	73 W	15*	67*
5 6	22 10.49	−15 40.0	1.594	1.675	35.8	21.0	76 W	16*	70*
5 16	22 34.96	−13 46.1	1.505	1.659	36.9	20.9	80 W	18*	72*
5 26	22 58.62	−11 49.3	1.419	1.646	37.7	20.8	83 W	20*	74*
6 5	23 21.38	− 9 52.5	1.337	1.636	38.3	20.6	87 W	23*	74*
6 15	23 43.04	− 7 58.7	1.259	1.630	38.6	20.5	91 W	27*	72
6 25	0 3.41	− 6 11.0	1.184	1.627	38.5	20.4	95 W	31*	70
7 5	0 22.22	− 4 32.1	1.112	1.627	38.0	20.2	100 W	35*	69
7 15	0 39.10	− 3 5.0	1.044	1.630	37.1	20.1	105 W	39*	67
7 25	0 53.64	− 1 52.2	0.980	1.637	35.6	19.9	110 W	42*	66
8 4	1 5.36	− 0 55.7	0.920	1.647	33.4	19.7	117 W	44*	65
8 14	1 13.66	− 0 17.0	0.867	1.661	30.4	19.5	124 W	45	64
8 24	1 18.07	+ 0 3.5	0.821	1.677	26.5	19.3	132 W	45	64
9 3	1 18.24	+ 0 6.9	0.785	1.696	21.6	19.1	142 W	45	64
9 13	1 14.25	− 0 3.5	0.762	1.717	15.9	18.8	152 W	45	64
9 18	1 10.90	− 0 11.9	0.757	1.729	12.8	18.7	158 W	45	64
9 23	1 6.86	− 0 21.2	0.756	1.741	9.6	18.6	163 W	45	64
9 28	1 2.31	− 0 30.3	0.760	1.754	6.5	18.5	169 W	44	65
10 3	0 57.50	− 0 38.1	0.770	1.767	4.0	18.4	173 W	44	65
10 8	0 52.66	− 0 43.7	0.784	1.781	3.6	18.5	173 E	44	65
10 13	0 48.03	− 0 46.1	0.805	1.795	5.7	18.7	170 E	44	65
10 23	0 40.28	− 0 38.5	0.860	1.825	11.3	19.1	159 E	44	65
11 2	0 35.40	− 0 13.2	0.936	1.856	16.3	19.5	148 E	45	64
11 12	0 33.90	+ 0 29.7	1.030	1.888	20.4	19.9	138 E	45	64
11 22	0 35.77	+ 1 28.1	1.138	1.921	23.5	20.2	129 E	46	63
12 2	0 40.64	+ 2 39.1	1.259	1.955	25.7	20.5	121 E	48	61
12 12	0 48.08	+ 4 0.1	1.390	1.990	27.2	20.8	113 E	49	60
12 22	0 57.64	+ 5 28.5	1.528	2.025	27.9	21.1	105 E	50	58*
1 1	1 8.93	+ 7 1.9	1.673	2.060	28.2	21.3	98 E	52	54*

142781 2002 UM_{11}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	20 47.56	+15 59.1	3.001	2.557	18.6	21.5	55 W	41*	32*
4 6	21 1.44	+18 31.8	2.898	2.534	19.8	21.4	59 W	44*	34*
4 16	21 14.75	+21 14.2	2.791	2.510	21.0	21.4	64 W	47*	36*
4 26	21 27.38	+24 5.4	2.681	2.484	22.0	21.3	68 W	51*	37*
5 6	21 39.24	+27 4.4	2.569	2.457	23.0	21.2	72 W	54*	36*
5 16	21 50.18	+30 10.2	2.455	2.428	23.9	21.1	77 W	59*	34*
5 26	22 0.00	+33 21.1	2.342	2.397	24.6	21.0	81 W	64*	31
6 5	22 8.48	+36 35.4	2.229	2.365	25.3	20.9	85 W	70*	27
6 15	22 15.30	+39 50.8	2.117	2.332	25.8	20.7	89 W	77*	24
6 25	22 20.06	+43 3.8	2.008	2.296	26.2	20.6	93 W	84*	21
7 5	22 22.29	+46 10.3	1.902	2.259	26.5	20.5	97 W	89	18

142781 2002 UM_{11} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
7 10	22 22.28	+47 39.5	1.850	2.240	26.7	20.4	99 W	87	16
7 15	22 21.41	+49 4.7	1.799	2.221	26.7	20.3	100 W	86	15
7 20	22 19.64	+50 24.8	1.749	2.201	26.8	20.2	102 W	85	14
7 25	22 16.90	+51 38.9	1.700	2.181	26.9	20.2	104 W	83	12
7 30	22 13.15	+52 45.6	1.653	2.161	26.9	20.1	106 W	82	11
8 4	22 8.38	+53 43.6	1.607	2.140	26.9	20.0	107 W	81	10
8 9	22 2.63	+54 31.2	1.562	2.119	26.9	19.9	109 W	80	9
8 14	21 56.01	+55 6.8	1.518	2.097	26.9	19.8	110 W	80	9
8 19	21 48.67	+55 29.1	1.476	2.075	27.0	19.7	112 E	80	9
8 24	21 40.86	+55 36.7	1.436	2.053	27.0	19.7	113 E	79	8
8 29	21 32.84	+55 28.5	1.398	2.030	27.0	19.6	114 E	80	9
9 3	21 24.94	+55 3.7	1.361	2.007	27.1	19.5	115 E	80	9
9 8	21 17.50	+54 21.9	1.327	1.984	27.2	19.4	116 E	81	10
9 13	21 10.85	+53 23.3	1.294	1.960	27.4	19.3	116 E	82	11
9 18	21 5.25	+52 8.3	1.265	1.936	27.6	19.3	117 E	83	12
9 23	21 0.91	+50 38.1	1.237	1.912	27.9	19.2	117 E	84	13
9 28	20 57.93	+48 53.8	1.212	1.888	28.3	19.1	117 E	86	15
10 3	20 56.41	+46 56.8	1.191	1.863	28.8	19.1	116 E	88	17
10 8	20 56.35	+44 48.7	1.171	1.838	29.4	19.0	115 E	90	19
10 13	20 57.74	+42 31.4	1.156	1.813	30.1	19.0	114 E	88	21
10 18	21 0.50	+40 6.9	1.143	1.788	30.8	19.0	113 E	85	24
10 23	21 4.55	+37 37.0	1.133	1.762	31.7	18.9	112 E	83	26
10 28	21 9.79	+35 3.5	1.127	1.736	32.6	18.9	110 E	80	29
11 2	21 16.14	+32 28.2	1.123	1.711	33.5	18.9	108 E	77	31*
11 7	21 23.50	+29 53.1	1.123	1.685	34.5	18.9	105 E	75	34*
11 12	21 31.78	+27 19.7	1.127	1.659	35.5	18.9	103 E	72	36*
11 17	21 40.88	+24 49.8	1.133	1.633	36.5	18.9	100 E	70	37*
11 22	21 50.71	+22 24.4	1.142	1.607	37.5	18.9	98 E	67	39*
11 27	22 1.19	+20 4.7	1.153	1.582	38.4	18.9	95 E	65	40*
12 2	22 12.26	+17 51.4	1.167	1.556	39.3	19.0	92 E	63	40*
12 7	22 23.84	+15 45.5	1.183	1.531	40.1	19.0	89 E	61	41*
12 12	22 35.88	+13 47.2	1.201	1.505	40.8	19.0	86 E	59	41*
12 22	23 1.08	+10 14.6	1.242	1.456	41.8	19.0	81 E	55	41*
1 1	23 27.46	+ 7 12.9	1.287	1.409	42.5	19.0	75 E	52*	40*
1 11	23 54.76	+ 4 40.3	1.334	1.364	42.7	19.1	70 E	49*	39*
1 21	0 22.75	+ 2 33.2	1.380	1.323	42.6	19.1	66 E	45*	38*

164400 2005 GN_{59}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	21 28.00	− 9 44.9	2.314	1.761	23.7	21.5	45 W	15*	39*
4 6	21 51.87	− 7 31.6	2.185	1.701	26.3	21.3	49 W	16*	42*
4 16	22 16.56	− 5 3.8	2.055	1.639	28.8	21.2	52 W	17*	45*
4 26	22 42.34	− 2 21.6	1.925	1.575	31.4	21.0	55 W	19*	47*
5 6	23 9.53	+ 0 35.2	1.799	1.509	34.1	20.9	57 W	20*	48*
5 16	23 38.58	+ 3 45.9	1.679	1.440	36.8	20.7	59 W	22*	49*
5 26	0 9.96	+ 7 8.6	1.566	1.371	39.7	20.5	60 W	24*	48*
6 5	0 44.32	+10 39.8	1.464	1.300	42.6	20.4	60 W	26*	47*
6 10	1 2.81	+12 26.6	1.418	1.265	44.0	20.3	60 W	27*	46*
6 15	1 22.28	+14 12.6	1.375	1.230	45.5	20.2	60 W	29*	44*
6 20	1 42.79	+15 56.4	1.337	1.195	46.9	20.1	59 W	30*	43*
6 25	2 4.40	+17 36.1	1.303	1.160	48.3	20.0	58 W	31*	41*
6 30	2 27.13	+19 9.8	1.274	1.126	49.7	19.9	58 W	32*	40*
7 5	2 50.98	+20 35.1	1.249	1.093	50.9	19.9	57 W	32*	38*
7 10	3 15.88	+21 49.5	1.230	1.061	52.0	19.8	55 W	33*	36*
7 15	3 41.71	+22 50.9	1.216	1.031	53.0	19.7	54 W	33*	34*
7 20	4 8.31	+23 36.9	1.208	1.002	53.8	19.7	53 W	34*	33*
7 25	4 35.45	+24 6.0	1.205	0.976	54.3	19.6	51 W	34*	31*
7 30	5 2.91	+24 17.2	1.208	0.952	54.5	19.6	50 W	34*	30*
8 4	5 30.40	+24 10.2	1.215	0.931	54.5	19.6	48 W	33*	28*
8 9	5 57.65	+23 45.2	1.227	0.913	54.2	19.5	47 W	33*	27*
8 14	6 24.42	+23 3.4	1.244	0.899	53.5	19.5	46 W	32*	26*
8 19	6 50.52	+22 6.4	1.264	0.889	52.6	19.5	44 W	32*	25*
8 24	7 15.80	+20 56.1	1.288	0.883	51.5	19.5	43 W	31*	24*
8 29	7 40.17	+19 34.6	1.314	0.882	50.1	19.5	42 W	30*	24*
9 3	8 3.57	+18 4.1	1.343	0.885	48.7	19.5	41 W	30*	23*
9 8	8 25.98	+16 26.5	1.373	0.893	47.2	19.5	41 W	29*	23*
9 13	8 47.39	+14 43.9	1.403	0.904	45.6	19.6	40 W	29*	22*
9 18	9 7.83	+12 58.0	1.434	0.920	44.1	19.6	40 W	29*	22*
9 23	9 27.36	+11 10.2	1.465	0.939	42.7	19.7	39 W	29*	22*
9 28	9 46.02	+ 9 21.8	1.495	0.961	41.4	19.7	39 W	29*	22*
10 3	10 3.85	+ 7 33.8	1.524	0.986	40.2	19.8	40 W	29*	22*
10 8	10 20.92	+ 5 47.1	1.552	1.014	39.2	19.8	40 W	29*	23*
10 13	10 37.27	+ 4 2.4	1.578	1.043	38.3	19.9	40 W	29*	23*
10 23	11 8.01	+ 0 41.0	1.625	1.107	36.9	20.1	42 W	30*	25*
11 2	11 36.45	− 2 27.6	1.662	1.174	36.0	20.2	44 W	30*	27*
11 12	12 2.87	− 5 21.7	1.689	1.244	35.5	20.4	47 W	31*	29*
11 22	12 27.45	− 8 0.3	1.704	1.315	35.3	20.5	50 W	32*	33*
12 2	12 50.36	−10 23.3	1.707	1.385	35.3	20.6	54 W	32*	37*
12 12	13 11.63	−12 30.4	1.698	1.455	35.3	20.7	59 W	31*	43*
12 22	13 31.22	−14 21.7	1.676	1.522	35.4	20.8	64 W	30*	49*
1 1	13 49.07	−15 57.3	1.643	1.588	35.4	20.8	69 W	29*	55*

164400 2005 GN_{59} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
1 11	14 4.96	−17 17.2	1.598	1.652	35.2	20.9	75 W	28	63*
1 21	14 18.63	−18 21.2	1.544	1.714	34.7	20.8	82 W	27	71*

467351 2003 KO_2

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	21 28.92	−37 27.5	0.276	0.877	108.0	21.5	57 W	—	45*
4 1	21 12.14	−35 20.8	0.246	0.914	103.0	21.0	63 W	—	53*
4 6	20 54.32	−32 13.2	0.216	0.948	97.8	20.6	70 W	3*	61*
4 11	20 34.25	−27 45.3	0.187	0.978	92.0	20.1	77 W	10*	70*
4 16	20 10.22	−21 21.9	0.159	1.005	85.1	19.5	86 W	19*	79*
4 18	19 59.00	−18 4.8	0.149	1.014	81.8	19.3	90 W	23*	81*
4 20	19 46.64	−14 17.0	0.139	1.023	78.3	19.0	94 W	28*	78*
4 22	19 32.95	− 9 55.3	0.131	1.032	74.5	18.8	98 W	33*	74
4 24	19 17.77	− 4 58.2	0.123	1.040	70.5	18.5	103 W	39*	69
4 26	19 0.97	+ 0 32.8	0.118	1.048	66.3	18.3	108 W	45*	63
4 27	18 51.93	+ 3 29.1	0.116	1.051	64.3	18.2	110 W	48*	61
4 28	18 42.46	+ 6 30.8	0.114	1.055	62.2	18.1	112 W	52	57
4 29	18 32.55	+ 9 36.3	0.113	1.058	60.3	18.0	114 W	55	54
4 30	18 22.21	+12 43.5	0.112	1.061	58.5	18.0	116 W	58	51
5 1	18 11.47	+15 50.1	0.112	1.064	56.9	17.9	118 W	61	48
5 2	18 0.34	+18 53.6	0.112	1.067	55.5	17.9	119 W	64	45
5 3	17 48.87	+21 51.8	0.113	1.070	54.3	17.9	121 W	67	42
5 4	17 37.11	+24 42.4	0.115	1.073	53.3	17.9	121 W	70	39
5 5	17 25.11	+27 23.7	0.117	1.075	52.6	17.9	122 W	72	37
5 6	17 12.94	+29 54.1	0.119	1.078	52.1	18.0	123 W	75	34
5 7	17 0.68	+32 12.7	0.122	1.080	51.9	18.0	123 W	77	32
5 8	16 48.40	+34 19.0	0.126	1.082	51.9	18.1	123 W	79	30
5 9	16 36.19	+36 12.6	0.129	1.084	52.0	18.2	122 W	81	28
5 10	16 24.13	+37 53.9	0.134	1.086	52.3	18.2	122 W	83	26
5 11	16 12.29	+39 23.3	0.138	1.088	52.7	18.3	121 W	84	25
5 12	16 0.73	+40 41.5	0.143	1.089	53.2	18.4	120 W	86	23
5 13	15 49.53	+41 49.2	0.148	1.091	53.8	18.5	119 W	87	22
5 14	15 38.72	+42 47.3	0.153	1.092	54.4	18.6	119 W	88	21
5 15	15 28.35	+43 36.8	0.159	1.093	55.0	18.7	118 W	89	20
5 16	15 18.43	+44 18.5	0.164	1.095	55.7	18.8	117 E	89	20
5 17	15 9.00	+44 53.3	0.170	1.096	56.4	18.9	116 E	90	19
5 18	15 0.05	+45 22.0	0.176	1.097	57.0	19.0	115 E	90	19
5 19	14 51.58	+45 45.3	0.182	1.097	57.7	19.1	114 E	89	18
5 20	14 43.60	+46 4.0	0.189	1.098	58.4	19.2	112 E	89	18
5 21	14 36.09	+46 18.5	0.195	1.098	59.0	19.3	111 E	89	18
5 22	14 29.02	+46 29.6	0.201	1.099	59.7	19.4	110 E	89	18
5 23	14 22.39	+46 37.5	0.208	1.099	60.3	19.5	109 E	88	17
5 24	14 16.18	+46 42.8	0.214	1.099	60.9	19.5	108 E	88	17
5 25	14 10.36	+46 45.9	0.221	1.099	61.5	19.6	107 E	88	17
5 26	14 4.90	+46 47.0	0.227	1.099	62.1	19.7	106 E	88	17
5 28	13 55.03	+46 44.4	0.241	1.099	63.3	19.9	104 E	88	17
5 30	13 46.37	+46 36.8	0.254	1.097	64.3	20.0	103 E	88	17
6 1	13 38.80	+46 25.5	0.267	1.096	65.4	20.1	101 E	89	18
6 3	13 32.17	+46 11.5	0.280	1.094	66.3	20.3	99 E	89	18
6 5	13 26.36	+45 55.6	0.293	1.091	67.3	20.4	97 E	89	18
6 7	13 21.27	+45 38.3	0.306	1.088	68.2	20.5	96 E	89*	18
6 9	13 16.81	+45 20.1	0.319	1.084	69.1	20.6	94 E	87*	19
6 11	13 12.89	+45 1.4	0.331	1.080	69.9	20.7	92 E	85*	19
6 13	13 9.44	+44 42.4	0.344	1.076	70.8	20.8	91 E	83*	19
6 15	13 6.40	+44 23.4	0.356	1.071	71.6	20.9	89 E	81*	20
6 17	13 3.72	+44 4.5	0.367	1.065	72.4	21.0	87 E	79*	20
6 19	13 1.34	+43 45.8	0.379	1.059	73.2	21.1	86 E	77*	20
6 21	12 59.21	+43 27.6	0.389	1.052	74.0	21.1	84 E	75*	21
6 23	12 57.29	+43 9.8	0.400	1.045	74.8	21.2	83 E	73*	21
6 25	12 55.54	+42 52.5	0.410	1.037	75.7	21.3	81 E	71*	21
6 30	12 51.72	+42 11.7	0.434	1.015	77.8	21.4	78 E	67*	22
7 5	12 48.30	+41 34.3	0.454	0.990	80.2	21.6	74 E	63*	22
7 10	12 44.87	+41 0.5	0.472	0.962	82.8	21.7	70 E	59*	23*
7 15	12 40.99	+40 30.3	0.486	0.930	85.7	21.8	66 E	55*	23*

163251 2002 GX_4

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	21 37.40	− 2 21.6	3.438	2.773	13.8	21.5	42 W	19*	33*
4 6	21 51.24	− 1 18.3	3.318	2.744	15.6	21.5	48 W	21*	39*
4 16	22 4.69	− 0 13.5	3.186	2.714	17.3	21.4	54 W	23*	44*
4 26	22 17.69	+ 0 51.6	3.046	2.683	18.9	21.3	60 W	25*	50*
5 6	22 30.17	+ 1 55.6	2.897	2.650	20.3	21.2	66 W	28*	54*
5 16	22 42.05	+ 2 57.1	2.742	2.617	21.6	21.1	72 W	31*	58*
5 26	22 53.23	+ 3 54.4	2.581	2.582	22.6	21.0	79 W	34*	59*
6 5	23 3.58	+ 4 45.6	2.418	2.547	23.4	20.9	85 W	38*	59
6 15	23 12.92	+ 5 28.1	2.252	2.510	23.8	20.7	92 W	42*	59
6 25	23 21.06	+ 5 59.1	2.088	2.473	23.9	20.5	100 W	46*	58
7 5	23 27.77	+ 6 15.3	1.926	2.434	23.5	20.3	108 W	50*	58
7 15	23 32.73	+ 6 12.3	1.769	2.395	22.4	20.0	116 W	51*	58

163251 2002 GX_4 *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
7 20	23 34.45	+ 6 2.0	1.693	2.375	21.7	19.9	120 W	51	58
7 25	23 35.63	+ 5 45.1	1.621	2.354	20.7	19.7	125 W	51	58
7 30	23 36.21	+ 5 20.9	1.551	2.334	19.6	19.6	130 W	50	59
8 4	23 36.16	+ 4 48.7	1.484	2.313	18.2	19.4	135 W	50	59
8 14	23 34.05	+ 3 17.8	1.363	2.271	14.7	19.1	145 W	48	61
8 24	23 29.30	+ 1 9.6	1.262	2.228	10.2	18.7	157 W	46	63
9 3	23 22.18	− 1 33.9	1.185	2.185	4.8	18.3	169 W	43	66
9 8	23 17.94	− 3 6.7	1.157	2.163	1.9	18.0	176 W	42	67
9 13	23 13.43	− 4 44.3	1.135	2.141	1.3	17.9	177 E	40	69
9 18	23 8.82	− 6 24.7	1.121	2.118	4.4	18.1	171 E	39	70
9 23	23 4.29	− 8 5.3	1.113	2.096	7.6	18.2	164 E	37	72
9 28	23 0.01	− 9 43.8	1.112	2.074	10.7	18.3	157 E	35	74
10 3	22 56.15	−11 17.9	1.118	2.051	13.7	18.4	151 E	34	75
10 8	22 52.88	−12 45.6	1.129	2.028	16.5	18.5	145 E	32	77
10 13	22 50.33	−14 5.3	1.146	2.006	19.2	18.6	139 E	31	78
10 18	22 48.61	−15 16.2	1.167	1.983	21.6	18.7	133 E	30	79
10 23	22 47.77	−16 17.6	1.191	1.960	23.8	18.8	127 E	29	80
11 2	22 48.84	−17 51.7	1.249	1.915	27.5	18.9	117 E	27	82
11 12	22 53.60	−18 49.0	1.315	1.870	30.3	19.1	108 E	26	83
11 22	23 1.78	−19 12.9	1.383	1.825	32.3	19.2	99 E	26	83
11 27	23 7.03	−19 13.6	1.417	1.803	33.0	19.2	95 E	26	82*
12 2	23 12.99	−19 7.4	1.451	1.781	33.6	19.3	92 E	26	80*
12 7	23 19.61	−18 54.7	1.485	1.760	34.0	19.3	88 E	26	76*
12 12	23 26.85	−18 36.0	1.517	1.738	34.4	19.3	85 E	26	73*
12 22	23 43.00	−17 41.9	1.578	1.697	34.7	19.4	79 E	27	66*
1 1	0 1.09	−16 27.9	1.633	1.657	34.8	19.4	74 E	29	60*
1 11	0 20.91	−14 56.0	1.683	1.619	34.6	19.4	69 E	30*	55*
1 21	0 42.25	−13 8.7	1.726	1.583	34.3	19.4	65 E	31*	51*

203269 2001 QP_{280}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	21 42.43	−15 31.5	2.466	1.874	21.5	21.5	44 W	8*	38*
4 6	22 6.49	−13 47.7	2.371	1.847	23.5	21.4	47 W	9*	41*
4 16	22 30.43	−11 56.5	2.275	1.821	25.4	21.4	51 W	10*	45*
4 26	22 54.24	− 9 59.7	2.179	1.796	27.2	21.3	55 W	11*	49*
5 6	23 17.96	− 7 58.8	2.083	1.773	28.9	21.2	58 W	13*	52*
5 16	23 41.59	− 5 55.8	1.988	1.752	30.5	21.1	62 W	14*	55*
5 26	0 5.12	− 3 52.5	1.894	1.732	32.1	21.0	65 W	17*	57*
6 5	0 28.56	− 1 51.0	1.802	1.714	33.4	20.9	69 W	20*	59*
6 15	0 51.86	+ 0 6.6	1.712	1.698	34.7	20.8	72 W	23*	60*
6 25	1 14.95	+ 1 58.1	1.624	1.685	35.7	20.7	75 W	28*	60*
7 5	1 37.77	+ 3 41.8	1.538	1.674	36.6	20.6	79 W	32*	60*
7 15	2 0.14	+ 5 15.4	1.454	1.665	37.3	20.5	83 W	37*	59*
7 25	2 21.87	+ 6 37.5	1.373	1.659	37.7	20.4	87 W	43*	57
8 4	2 42.71	+ 7 46.7	1.294	1.656	37.8	20.3	91 W	47*	56
8 14	3 2.31	+ 8 42.0	1.217	1.656	37.5	20.1	95 W	51*	55
8 24	3 20.26	+ 9 23.0	1.143	1.658	36.8	20.0	100 W	54*	55
9 3	3 36.09	+ 9 50.3	1.072	1.663	35.6	19.8	106 W	55	54
9 13	3 49.20	+10 4.6	1.004	1.671	33.8	19.6	112 W	55	54
9 23	3 58.99	+10 7.9	0.941	1.681	31.3	19.4	120 W	55	54
10 3	4 4.87	+10 2.8	0.885	1.694	27.8	19.2	128 W	55	54
10 13	4 6.31	+ 9 53.0	0.838	1.709	23.5	19.0	137 W	55	54
10 23	4 3.24	+ 9 43.0	0.804	1.726	18.2	18.8	147 W	55	54
10 28	4 0.12	+ 9 39.5	0.792	1.735	15.3	18.6	153 W	55	54
11 2	3 56.11	+ 9 37.7	0.785	1.745	12.3	18.5	158 W	55	54
11 7	3 51.39	+ 9 38.4	0.783	1.756	9.4	18.4	163 W	55	54
11 12	3 46.20	+ 9 42.1	0.786	1.766	6.8	18.3	168 W	55	54
11 17	3 40.80	+ 9 49.3	0.795	1.778	5.3	18.3	170 W	55	54
11 22	3 35.47	+10 0.1	0.809	1.789	5.8	18.4	169 E	55	54
12 2	3 25.95	+10 33.2	0.854	1.813	10.5	18.7	160 E	56	53
12 12	3 19.26	+11 21.0	0.920	1.839	15.6	19.1	150 E	56	53
12 22	3 16.24	+12 21.4	1.004	1.866	20.0	19.5	140 E	57	52
1 1	3 17.03	+13 31.0	1.104	1.893	23.4	19.8	130 E	59	50
1 11	3 21.40	+14 46.7	1.217	1.922	25.9	20.1	121 E	60	49
1 21	3 28.90	+16 5.3	1.340	1.951	27.6	20.4	113 E	61	48

189829 2002 VQ_6

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 27	21 43.05	−10 16.7	1.994	1.416	28.0	21.5	42 W	12*	35*
4 6	22 11.78	− 7 24.5	1.954	1.416	29.4	21.5	44 W	13*	38*
4 16	22 39.81	− 4 25.1	1.913	1.419	30.7	21.5	46 W	14*	40*
4 26	23 7.20	− 1 22.1	1.873	1.423	32.0	21.5	48 W	15*	41*
5 6	23 34.06	+ 1 41.4	1.833	1.429	33.2	21.5	51 W	17*	43*
5 16	0 0.47	+ 4 42.4	1.792	1.436	34.3	21.5	53 W	19*	44*
5 26	0 26.48	+ 7 37.8	1.750	1.446	35.4	21.5	56 W	22*	45*
6 5	0 52.17	+10 25.2	1.706	1.457	36.3	21.5	58 W	25*	46*
6 15	1 17.56	+13 2.4	1.661	1.470	37.2	21.4	61 W	29*	46*
6 25	1 42.62	+15 27.2	1.613	1.484	38.0	21.4	64 W	33*	45*
7 5	2 7.32	+17 38.0	1.562	1.499	38.7	21.4	67 W	38*	44*

189829 2002 VQ_6 *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
7 15	2 31.56	+19 33.5	1.508	1.515	39.3	21.4	71 W	44*	43*
7 25	2 55.17	+21 12.6	1.451	1.532	39.7	21.3	74 W	49*	42*
8 4	3 17.95	+22 34.8	1.390	1.550	39.9	21.2	79 W	55*	41*
8 14	3 39.60	+23 39.8	1.326	1.568	39.9	21.2	83 W	60*	40*
8 24	3 59.76	+24 27.9	1.259	1.587	39.6	21.1	88 W	65*	40
9 3	4 18.02	+24 59.6	1.190	1.605	38.8	21.0	93 W	69*	39
9 13	4 33.84	+25 15.7	1.119	1.624	37.7	20.8	100 W	70*	39
9 23	4 46.61	+25 17.1	1.047	1.643	35.9	20.6	106 W	70	39
10 3	4 55.66	+25 4.8	0.977	1.661	33.3	20.4	114 W	70	39
10 8	4 58.55	+24 53.5	0.944	1.670	31.7	20.3	119 W	70	39
10 13	5 0.23	+24 38.8	0.911	1.679	29.8	20.2	123 W	70	39
10 18	5 0.63	+24 20.6	0.881	1.688	27.7	20.1	128 W	69	40
10 23	4 59.70	+23 58.9	0.853	1.697	25.3	20.0	133 W	69	40
11 2	4 53.81	+23 4.2	0.805	1.714	19.6	19.7	145 W	68	41
11 12	4 42.98	+21 54.2	0.775	1.731	12.7	19.4	157 W	67	42
11 22	4 28.80	+20 32.0	0.764	1.746	5.2	19.1	171 W	66	43
11 27	4 21.18	+19 48.5	0.768	1.754	1.5	18.8	177 W	65	44
12 2	4 13.67	+19 5.0	0.777	1.762	2.9	19.0	175 E	64	45
12 7	4 6.60	+18 23.3	0.793	1.769	6.6	19.2	168 E	63	46
12 12	4 0.26	+17 44.7	0.814	1.776	10.1	19.5	162 E	63	46
12 17	3 54.88	+17 10.5	0.841	1.783	13.4	19.7	155 E	62	47
12 22	3 50.58	+16 41.6	0.873	1.789	16.5	19.9	149 E	62	47
12 27	3 47.44	+16 18.4	0.910	1.796	19.2	20.0	143 E	61	48
1 1	3 45.48	+16 1.1	0.951	1.802	21.7	20.2	137 E	61	48
1 6	3 44.68	+15 49.5	0.995	1.808	23.8	20.4	132 E	61	48
1 11	3 45.01	+15 43.4	1.042	1.813	25.6	20.6	127 E	61	48
1 16	3 46.39	+15 42.3	1.092	1.819	27.2	20.7	122 E	61	48
1 21	3 48.73	+15 45.5	1.144	1.824	28.5	20.9	118 E	61	48

523637 2010 LT_{108}

3 27	22 45.64	+50 40.7	0.268	0.861	113.3	20.9	52 W	41*	—
3 28	22 38.95	+51 25.2	0.277	0.863	111.5	20.9	54 W	42*	—
3 29	22 32.58	+52 4.3	0.285	0.865	109.8	20.8	55 W	44*	—
3 30	22 26.53	+52 38.6	0.294	0.867	108.1	20.8	56 W	45*	—
3 31	22 20.80	+53 8.7	0.303	0.869	106.5	20.8	57 W	46*	—
4 1	22 15.38	+53 35.1	0.312	0.872	105.0	20.8	57 W	47*	—
4 2	22 10.28	+53 58.2	0.321	0.874	103.5	20.7	58 W	48*	—
4 3	22 5.48	+54 18.5	0.330	0.877	102.1	20.7	59 W	50*	—
4 4	22 0.97	+54 36.2	0.339	0.880	100.7	20.7	60 W	51*	—
4 5	21 56.74	+54 51.7	0.348	0.883	99.3	20.7	61 W	51*	—
4 6	21 52.79	+55 5.3	0.357	0.886	98.1	20.7	61 W	52*	—
4 8	21 45.63	+55 27.6	0.375	0.893	95.6	20.7	63 W	54*	1*
4 10	21 39.38	+55 44.7	0.392	0.900	93.3	20.8	64 W	55*	2*
4 12	21 33.94	+55 57.9	0.409	0.907	91.1	20.8	65 W	57*	3*
4 14	21 29.21	+56 8.1	0.426	0.915	89.1	20.8	66 W	58*	3*
4 16	21 25.08	+56 16.0	0.442	0.923	87.2	20.8	67 W	59*	4*
4 18	21 21.47	+56 22.3	0.457	0.932	85.3	20.8	68 W	60*	5*
4 20	21 18.31	+56 27.2	0.472	0.941	83.6	20.9	69 W	61*	5*
4 22	21 15.53	+56 31.2	0.487	0.950	82.0	20.9	69 W	62*	6*
4 24	21 13.07	+56 34.5	0.501	0.959	80.4	20.9	70 W	63*	6*
4 26	21 10.87	+56 37.3	0.514	0.969	78.9	20.9	71 W	64*	6*
4 28	21 8.88	+56 39.7	0.527	0.979	77.5	21.0	72 W	65*	7*
4 30	21 7.06	+56 41.9	0.539	0.990	76.1	21.0	73 W	66*	7*
5 2	21 5.36	+56 44.0	0.551	1.000	74.8	21.0	73 W	67*	7*
5 4	21 3.75	+56 45.9	0.562	1.011	73.6	21.0	74 W	68*	7*
5 6	21 2.19	+56 47.7	0.572	1.022	72.4	21.1	75 W	68*	7*
5 11	20 58.32	+56 51.5	0.595	1.050	69.6	21.1	77 W	70*	7
5 16	20 54.16	+56 53.7	0.614	1.078	67.0	21.2	79 W	72*	7
5 21	20 49.43	+56 52.8	0.629	1.107	64.6	21.2	81 W	74*	7
5 26	20 43.93	+56 47.4	0.641	1.137	62.3	21.2	84 W	76*	7
5 31	20 37.48	+56 35.7	0.649	1.166	60.2	21.2	86 W	78*	7
6 5	20 29.99	+56 15.6	0.654	1.196	58.0	21.3	89 W	79	8
6 10	20 21.43	+55 44.2	0.657	1.225	55.9	21.3	92 W	79	8
6 15	20 11.91	+54 58.4	0.657	1.254	53.8	21.2	95 W	80	9
6 20	20 1.63	+53 55.1	0.656	1.283	51.7	21.2	98 W	81	10
6 25	19 50.91	+52 31.7	0.654	1.311	49.5	21.2	101 W	82	11
6 30	19 40.06	+50 46.0	0.652	1.339	47.2	21.2	105 W	84	13
7 5	19 29.46	+48 36.0	0.649	1.367	45.0	21.2	108 W	86	15
7 10	19 19.45	+46 0.8	0.648	1.394	42.7	21.1	112 W	89	18
7 15	19 10.37	+43 0.9	0.649	1.420	40.4	21.1	115 E	88	21
7 20	19 2.48	+39 38.4	0.653	1.445	38.2	21.1	118 E	85	24
7 25	18 55.93	+35 57.0	0.660	1.470	36.3	21.1	121 E	81	28
7 30	18 50.77	+32 1.3	0.672	1.494	34.6	21.1	123 E	77	32
8 4	18 47.00	+27 56.6	0.688	1.517	33.2	21.2	125 E	73	36
8 9	18 44.59	+23 48.7	0.709	1.540	32.2	21.3	126 E	69	40
8 14	18 43.48	+19 43.2	0.735	1.562	31.7	21.3	126 E	65	44
8 19	18 43.59	+15 45.1	0.767	1.583	31.5	21.5	125 E	61	48

164294 2004 XZ_{130}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
3 27	23 3.28	− 5 11.3	0.938	0.363	88.6	21.2	21 W	3*	15*
3 29	23 8.19	− 4 33.0	0.992	0.379	79.9	21.1	22 W	3*	16*
3 31	23 14.18	− 3 49.6	1.044	0.397	72.4	21.0	22 W	3*	16*
4 2	23 20.92	− 3 2.7	1.094	0.417	65.9	21.0	22 W	3*	16*
4 4	23 28.16	− 2 13.5	1.142	0.438	60.3	21.1	22 W	3*	16*
4 6	23 35.72	− 1 23.0	1.186	0.460	55.5	21.1	22 W	3*	16*
4 11	23 55.29	+ 0 45.0	1.286	0.516	46.3	21.3	22 W	3*	16*
4 16	0 15.00	+ 2 50.9	1.371	0.570	39.9	21.4	21 W	3*	15*
4 21	0 34.43	+ 4 52.0	1.444	0.621	35.5	21.6	21 W	3*	15*
4 26	0 53.45	+ 6 47.1	1.506	0.669	32.3	21.8	21 W	3*	15*

427684 2004 DH_2

3 27	23 9.77	− 1 43.4	1.509	0.650	29.6	21.4	19 W	4*	12*
4 6	0 10.19	+ 0 42.5	1.520	0.595	23.1	21.1	14 W	—	7*
4 16	1 12.91	+ 3 26.6	1.539	0.568	15.6	20.8	9 W	—	2*
4 26	2 16.24	+ 6 23.5	1.561	0.576	12.4	20.7	7 E	—	—
5 6	3 18.18	+ 9 19.9	1.588	0.617	15.8	21.0	10 E	—	3*
5 16	4 17.24	+11 58.0	1.624	0.680	19.9	21.4	13 E	—	7*

417217 2005 YS

3 27	23 31.16	− 9 55.1	0.830	0.329	111.2	21.0	18 W	—	11*
3 29	23 31.91	− 8 5.3	0.888	0.321	100.5	20.5	18 W	—	12*
3 31	23 34.65	− 6 5.4	0.949	0.320	89.5	20.2	19 W	—	13*
4 2	23 39.17	− 3 59.4	1.009	0.325	79.0	19.9	19 W	—	13*
4 4	23 45.17	− 1 51.3	1.068	0.336	69.3	19.8	18 W	—	12*
4 6	23 52.28	+ 0 15.4	1.125	0.351	60.6	19.8	18 W	1*	12*
4 8	0 0.19	+ 2 18.4	1.179	0.371	53.1	19.8	17 W	2*	11*
4 10	0 8.62	+ 4 16.0	1.229	0.394	46.8	19.8	17 W	3*	10*
4 12	0 17.37	+ 6 7.7	1.276	0.418	41.5	19.9	16 W	3*	9*
4 14	0 26.29	+ 7 52.9	1.320	0.444	37.2	19.9	16 W	4*	8*
4 16	0 35.28	+ 9 31.8	1.362	0.471	33.5	20.0	15 W	4*	8*
4 21	0 57.71	+13 12.9	1.454	0.538	26.9	20.3	14 W	5*	6*
4 26	1 19.71	+16 20.8	1.535	0.603	22.6	20.5	13 W	5*	4*
5 1	1 41.15	+19 0.6	1.607	0.665	19.8	20.7	13 W	5*	3*
5 6	2 2.04	+21 16.4	1.671	0.722	17.9	20.9	13 W	5*	2*
5 11	2 22.40	+23 11.8	1.728	0.775	16.5	21.1	13 W	6*	2*
5 16	2 42.28	+24 49.5	1.780	0.824	15.6	21.3	13 W	6*	1*
5 21	3 1.74	+26 11.5	1.825	0.868	15.0	21.4	13 W	6*	1*

526898 2007 HR

3 27	23 44.22	− 5 34.9	1.348	0.433	30.1	20.7	13 W	—	6*
4 1	0 22.88	+ 0 2.8	1.322	0.347	18.5	19.9	6 W	—	—
4 6	1 5.48	+ 6 27.1	1.285	0.286	5.3	18.9	2 E	—	—
4 11	1 50.94	+13 2.4	1.219	0.283	35.6	19.8	9 E	3*	—
4 16	2 36.43	+18 49.6	1.133	0.341	59.4	20.7	17 E	10*	3*
4 21	3 21.79	+23 26.9	1.056	0.427	71.5	21.4	24 E	17*	7*

429736 2011 MB_2

3 27	23 50.68	− 6 42.1	1.616	0.675	18.2	21.4	12 W	—	5*
4 1	0 17.37	− 3 27.5	1.610	0.649	15.3	21.2	10 W	—	3*
4 6	0 44.31	− 0 3.3	1.608	0.629	11.9	21.0	7 W	—	—
4 11	1 11.50	+ 3 26.6	1.608	0.616	8.2	20.8	5 W	—	—
4 16	1 38.95	+ 6 57.5	1.610	0.610	5.2	20.7	3 E	—	—
4 21	2 6.66	+10 24.5	1.614	0.613	5.3	20.7	3 E	—	—
4 26	2 34.61	+13 42.6	1.620	0.624	8.3	20.9	5 E	—	—
5 1	3 2.79	+16 47.0	1.627	0.642	11.8	21.1	7 E	—	—
5 6	3 31.15	+19 33.8	1.637	0.666	15.0	21.3	10 E	3*	1*

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4 6	0 15.71	+ 9 0.6	1.934	0.971	11.5	21.4	11 W	3*	3*
4 11	0 37.38	+10 16.9	1.917	0.947	10.8	21.3	10 W	2*	2*
4 16	0 59.60	+11 28.9	1.902	0.925	9.9	21.2	9 W	1*	1*
4 21	1 22.35	+12 35.3	1.891	0.906	8.8	21.1	8 W	—	1*
4 26	1 45.58	+13 34.9	1.882	0.890	7.7	21.0	7 W	—	—
5 1	2 9.24	+14 26.8	1.875	0.878	6.5	20.9	6 W	—	—
5 6	2 33.24	+15 10.0	1.871	0.870	5.4	20.8	5 W	—	—
5 11	2 57.51	+15 43.9	1.870	0.865	4.5	20.7	4 W	—	—
5 16	3 21.92	+16 8.0	1.871	0.865	4.2	20.7	4 W	—	—
5 21	3 46.35	+16 22.1	1.875	0.868	4.5	20.8	4 W	—	—
5 26	4 10.69	+16 26.0	1.882	0.876	5.4	20.8	5 W	—	—
5 31	4 34.83	+16 20.1	1.891	0.887	6.4	20.9	6 E	—	—
6 5	4 58.66	+16 4.8	1.903	0.902	7.5	21.0	7 E	—	—
6 10	5 22.07	+15 40.6	1.917	0.921	8.4	21.1	8 E	—	—
6 15	5 44.99	+15 8.4	1.934	0.942	9.3	21.2	9 E	—	—
6 20	6 7.34	+14 28.8	1.953	0.966	10.0	21.3	9 E	—	1*
6 25	6 29.08	+13 42.7	1.975	0.992	10.5	21.4	10 E	—	1*