437844 1999 *MN*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
4 6	0 36.76	+ 3 18.9	1.386	0.407	15.9	21.0	6 W	—	—
4 11	1 15.26	+ 7 29.5	1.316	0.315	3.0	19.8	1 W	—	—
4 16	1 59.71	+12 2.4	1.213	0.240	26.5	19.9	6 E	—	—
4 21	2 44.44	+16 10.8	1.052	0.234	72.2	20.9	13 E	5*	3*
4 26	3 19.30	+19 2.2	0.874	0.303	107.1	22.5	17 E	9*	5*

284152 2005 XC_4

4 6	0 44.56	+26 44.4	4.501	3.583	5.7	21.5	21 W	11*	—
4 16	0 57.10	+28 5.6	4.509	3.585	5.6	21.5	20 W	13*	—
4 26	1 9.68	+29 29.1	4.500	3.586	6.0	21.5	22 W	16*	—
5 6	1 22.26	+30 54.4	4.475	3.586	6.8	21.5	25 W	19*	5*
5 16	1 34.78	+32 21.2	4.434	3.586	7.9	21.6	29 W	22*	9*

369984 1998 QR_{52}

4 6	1 8.10	+17 7.8	2.153	1.186	9.3	21.5	11 E	3*	—
4 11	1 24.02	+18 46.6	2.136	1.166	9.2	21.4	11 E	3*	—
4 16	1 40.52	+20 22.5	2.119	1.146	9.1	21.3	10 E	2*	—
4 21	1 57.65	+21 54.6	2.100	1.125	9.1	21.3	10 E	2*	—
4 26	2 15.48	+23 22.1	2.080	1.103	9.1	21.2	10 E	2*	—
5 1	2 34.04	+24 43.8	2.059	1.080	9.1	21.1	10 E	2*	—
5 6	2 53.39	+25 58.5	2.038	1.056	9.1	21.1	10 E	2*	—
5 11	3 13.57	+27 5.0	2.016	1.032	9.1	21.0	9 E	2*	—
5 16	3 34.58	+28 1.8	1.993	1.008	9.1	20.9	9 E	2*	—
5 21	3 56.41	+28 47.2	1.971	0.982	9.0	20.8	9 E	2*	—
5 26	4 19.03	+29 19.7	1.948	0.957	9.0	20.8	8 E	2*	—
5 31	4 42.38	+29 37.6	1.924	0.932	8.9	20.7	8 E	2*	—
6 5	5 6.37	+29 39.6	1.901	0.907	8.8	20.6	8 E	2*	—
6 10	5 30.87	+29 24.2	1.878	0.882	8.8	20.5	8 E	2*	—
6 15	5 55.74	+28 50.4	1.855	0.859	8.9	20.4	8 E	1*	—
6 20	6 20.82	+27 57.4	1.833	0.836	9.2	20.3	8 E	1*	—
6 25	6 45.93	+26 45.0	1.810	0.815	9.8	20.3	8 E	1*	—
6 30	7 10.95	+25 13.4	1.788	0.796	10.7	20.2	8 E	—	—
7 5	7 35.74	+23 23.2	1.766	0.779	11.9	20.2	9 E	—	2*
7 10	8 0.20	+21 15.6	1.745	0.765	13.6	20.2	10 E	—	3*
7 15	8 24.28	+18 52.0	1.724	0.754	15.5	20.2	11 E	—	5*
7 20	8 47.95	+16 14.5	1.703	0.747	17.6	20.2	13 E	—	7*
7 25	9 11.21	+13 25.4	1.683	0.744	19.9	20.3	14 E	—	8*
7 30	9 34.10	+10 26.9	1.664	0.744	22.2	20.3	16 E	—	10*
8 4	9 56.70	+ 7 21.8	1.646	0.748	24.5	20.4	18 E	—	12*
8 9	10 19.06	+ 4 12.5	1.630	0.756	26.7	20.5	20 E	—	13*
8 14	10 41.29	+ 1 1.7	1.616	0.767	28.7	20.5	21 E	—	15*
8 19	11 3.45	− 2 8.1	1.604	0.781	30.5	20.6	23 E	—	16*
8 24	11 25.62	− 5 14.4	1.595	0.798	32.0	20.7	25 E	—	18*
8 29	11 47.89	− 8 15.2	1.589	0.818	33.2	20.8	26 E	—	19*
9 3	12 10.32	−11 8.2	1.586	0.839	34.2	20.8	28 E	—	21*
9 8	12 32.94	−13 51.6	1.587	0.862	34.8	20.9	29 E	—	22*
9 13	12 55.77	−16 23.7	1.591	0.885	35.2	21.0	30 E	—	23*
9 18	13 18.79	−18 43.0	1.598	0.910	35.4	21.1	32 E	—	24*
9 23	13 41.99	−20 48.4	1.609	0.935	35.3	21.1	33 E	—	25*
9 28	14 5.32	−22 39.0	1.623	0.960	35.0	21.2	33 E	—	26*
10 3	14 28.70	−24 14.2	1.641	0.986	34.6	21.3	34 E	—	27*
10 8	14 52.06	−25 33.9	1.661	1.011	34.1	21.3	34 E	—	28*
10 13	15 15.30	−26 38.0	1.684	1.035	33.4	21.4	35 E	—	28*
10 18	15 38.32	−27 26.9	1.709	1.059	32.6	21.5	35 E	1*	29*

348053 2003 UA_{206}

4 6	1 19.07	+ 9 40.2	2.715	1.722	3.4	21.5	6 E	—	—
4 16	1 44.74	+11 54.0	2.708	1.706	1.7	21.3	3 E	—	—
4 26	2 11.04	+14 0.6	2.698	1.692	0.5	21.2	1 W	—	—
5 6	2 38.00	+15 57.5	2.687	1.681	2.0	21.3	3 W	—	—
5 16	3 5.60	+17 42.3	2.675	1.673	3.7	21.4	6 W	—	—
5 26	3 33.75	+19 12.5	2.661	1.668	5.4	21.5	9 W	—	3*

98891 2001 BK_{41}

4 6	1 21.32	+11 54.5	4.113	3.125	2.5	21.4	8 E	2*	—
4 16	1 34.61	+13 3.7	4.141	3.139	1.0	21.3	3 W	—	—
4 26	1 47.89	+14 11.0	4.150	3.152	2.0	21.4	6 W	—	—
5 6	2 1.12	+15 15.7	4.143	3.164	3.9	21.5	12 W	1*	5*
5 16	2 14.24	+16 17.5	4.118	3.175	5.8	21.6	18 W	4*	11*

237566 2001 BW_1

4 6	1 33.20	+31 36.7	4.295	3.428	7.5	21.5	26 E	18*	—
4 16	1 47.68	+32 32.1	4.312	3.408	6.5	21.4	23 E	12*	—
4 26	2 2.48	+33 29.6	4.314	3.388	5.9	21.4	20 W	11*	—
5 6	2 17.59	+34 28.3	4.299	3.366	5.8	21.4	20 W	13*	—
5 16	2 32.95	+35 27.4	4.269	3.344	6.2	21.4	21 W	15*	—
5 26	2 48.52	+36 26.2	4.224	3.320	7.0	21.4	24 W	17*	2*
6 5	3 4.26	+37 24.0	4.163	3.296	8.2	21.4	27 W	20*	6*
6 15	3 20.11	+38 20.3	4.088	3.271	9.5	21.4	32 W	24*	9*
6 25	3 36.00	+39 14.7	3.998	3.245	10.9	21.3	37 W	29*	12*
7 5	3 51.86	+40 6.9	3.896	3.219	12.3	21.3	42 W	34*	14*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
7 15	4 7.57	+40 56.8	3.781	3.191	13.7	21.3	48 W	39*	16*
7 25	4 23.01	+41 44.3	3.656	3.163	15.0	21.2	54 W	46*	17*
8 4	4 38.05	+42 29.4	3.520	3.133	16.2	21.2	60 W	52*	18*
8 14	4 52.50	+43 12.7	3.375	3.103	17.3	21.1	66 W	59*	19*
8 24	5 6.15	+43 54.2	3.223	3.072	18.3	21.0	72 W	66*	19*
9 3	5 18.74	+44 34.7	3.065	3.041	19.0	20.9	79 W	73*	19*
9 13	5 29.96	+45 14.7	2.903	3.008	19.5	20.8	86 W	80*	19*
9 23	5 39.44	+45 54.6	2.740	2.975	19.7	20.6	93 W	87*	18*
10 3	5 46.75	+46 34.7	2.577	2.940	19.5	20.5	101 W	88	17
10 8	5 49.43	+46 54.6	2.497	2.923	19.3	20.4	105 W	88	17
10 13	5 51.37	+47 14.4	2.419	2.905	18.9	20.3	109 W	88	17
10 18	5 52.51	+47 33.6	2.342	2.888	18.4	20.2	114 W	87	16
10 23	5 52.78	+47 52.1	2.267	2.870	17.9	20.1	118 W	87	16
10 28	5 52.11	+48 9.3	2.195	2.851	17.1	20.0	122 W	87	16
11 2	5 50.46	+48 24.5	2.126	2.833	16.3	19.9	127 W	87	16
11 7	5 47.76	+48 37.2	2.061	2.814	15.4	19.8	131 W	86	15
11 12	5 44.03	+48 46.2	2.000	2.796	14.3	19.6	136 W	86	15
11 17	5 39.29	+48 50.5	1.944	2.777	13.2	19.5	140 W	86	15
11 22	5 33.60	+48 49.2	1.893	2.758	12.0	19.4	144 W	86	15
11 27	5 27.08	+48 41.0	1.848	2.738	10.9	19.3	148 W	86	15
12 2	5 19.88	+48 25.1	1.810	2.719	9.9	19.2	152 W	87	16
12 7	5 12.22	+48 0.6	1.777	2.699	9.1	19.1	154 W	87	16
12 12	5 4.36	+47 27.3	1.752	2.680	8.8	19.1	155 E	88	17
12 17	4 56.57	+46 45.1	1.734	2.660	8.9	19.0	155 E	88	17
12 22	4 49.09	+45 54.8	1.723	2.639	9.6	19.0	153 E	89	18
12 27	4 42.17	+44 57.3	1.719	2.619	10.7	19.0	150 E	90	19
1 1	4 35.99	+43 53.8	1.722	2.599	12.1	19.1	146 E	89	20
1 6	4 30.72	+42 46.0	1.731	2.578	13.6	19.1	142 E	88	21
1 11	4 26.46	+41 35.5	1.747	2.558	15.1	19.2	137 E	87	22
1 16	4 23.25	+40 23.9	1.768	2.537	16.7	19.2	132 E	85	24
1 21	4 21.10	+39 12.5	1.794	2.516	18.1	19.3	127 E	84	25

30997 1995 UO_5

4 6	1 59.68	+13 4.4	2.981	2.040	7.9	21.5	16 E	9*	4*
4 16	2 15.25	+15 23.3	2.955	1.978	5.5	21.3	11 E	4*	—
4 26	2 31.91	+17 43.9	2.910	1.913	3.2	21.0	6 E	—	—
5 6	2 49.81	+20 6.2	2.849	1.843	2.0	20.8	4 W	—	—
5 16	3 9.19	+22 30.0	2.771	1.769	3.5	20.8	6 W	—	—
5 26	3 30.34	+24 55.0	2.678	1.690	6.0	20.8	10 W	3*	1*
6 5	3 53.66	+27 20.2	2.572	1.607	8.8	20.7	14 W	6*	3*
6 15	4 19.72	+29 43.8	2.455	1.518	11.7	20.6	18 W	9*	5*
6 25	4 49.21	+32 2.2	2.329	1.425	14.6	20.4	21 W	13*	6*
6 30	5 5.52	+33 7.7	2.263	1.376	16.1	20.3	22 W	14*	6*
7 5	5 23.05	+34 9.1	2.197	1.326	17.7	20.2	23 W	16*	6*
7 10	5 41.93	+35 5.0	2.130	1.275	19.2	20.1	24 W	17*	5*
7 15	6 2.27	+35 53.3	2.064	1.222	20.7	20.0	25 W	18*	5*
7 20	6 24.21	+36 31.6	1.998	1.168	22.1	19.9	26 W	19*	4*
7 25	6 47.82	+36 56.6	1.933	1.113	23.6	19.8	26 W	20*	2*
7 30	7 13.12	+37 4.7	1.871	1.057	24.9	19.6	26 W	20*	1*
8 4	7 40.06	+36 51.5	1.812	1.000	26.1	19.5	26 W	20*	—
8 9	8 8.46	+36 12.4	1.756	0.942	27.2	19.3	25 W	19*	—
8 14	8 38.01	+35 2.7	1.706	0.884	27.9	19.1	24 W	18*	—
8 19	9 8.32	+33 18.1	1.661	0.827	28.3	18.9	23 W	16*	—
8 24	9 38.91	+30 55.3	1.623	0.771	28.2	18.7	21 W	14*	—
8 29	10 9.28	+27 52.2	1.591	0.717	27.3	18.5	19 W	11*	—
9 3	10 39.01	+24 8.9	1.568	0.667	25.6	18.3	17 W	7*	—
9 8	11 7.76	+19 47.5	1.551	0.623	23.0	18.0	14 E	5*	—
9 13	11 35.32	+14 52.3	1.541	0.588	19.6	17.8	11 E	4*	—
9 18	12 1.64	+ 9 30.1	1.535	0.565	16.2	17.6	9 E	3*	—
9 23	12 26.79	+ 3 49.8	1.534	0.557	14.1	17.5	8 E	1*	—
9 25	12 36.56	+ 1 30.9	1.534	0.557	14.1	17.5	8 E	1*	—
9 27	12 46.21	− 0 48.6	1.535	0.560	14.6	17.5	8 E	—	1*
9 29	12 55.73	− 3 8.1	1.536	0.566	15.5	17.5	9 E	—	2*
10 1	13 5.17	− 5 26.8	1.537	0.574	16.7	17.6	9 E	—	3*
10 3	13 14.53	− 7 44.2	1.539	0.584	18.1	17.7	10 E	—	4*
10 8	13 37.80	−13 18.7	1.546	0.617	21.7	18.0	13 E	—	7*
10 13	14 1.15	−18 35.0	1.557	0.659	24.9	18.2	16 E	—	9*
10 18	14 24.92	−23 28.1	1.572	0.709	27.3	18.5	19 E	—	12*
10 23	14 49.36	−27 54.6	1.592	0.762	28.9	18.7	22 E	—	14*
10 28	15 14.65	−31 51.9	1.617	0.818	29.8	18.9	24 E	—	16*
11 2	15 40.85	−35 18.4	1.647	0.875	30.2	19.1	26 E	—	18*
11 7	16 7.91	−38 13.3	1.681	0.933	30.1	19.3	28 E	—	19*
11 12	16 35.67	−40 36.3	1.721	0.991	29.7	19.4	30 E	—	21*
11 17	17 3.85	−42 27.8	1.764	1.048	29.0	19.6	31 E	—	22*
11 22	17 32.10	−43 49.2	1.811	1.104	28.2	19.8	32 E	—	23*
11 27	18 0.04	−44 42.4	1.861	1.159	27.3	19.9	33 E	—	24*
12 2	18 27.32	−45 10.2	1.914	1.213	26.3	20.0	33 E	—	25*
12 7	18 53.62	−45 15.6	1.969	1.266	25.3	20.1	33 E	—	25*
12 12	19 18.69	−45 1.7	2.026	1.318	24.2	20.3	33 E	—	26*

237566 2001 BW_1 *(continuation)*

7 15	4 7.57	+40 56.8	3.781	3.191	13.7	21.3	48 W	39*	16*
7 25	4 23.01	+41 44.3	3.656	3.163	15.0	21.2	54 W	46*	17*
8 4	4 38.05	+42 29.4	3.520	3.133	16.2	21.2	60 W	52*	18*
8 14	4 52.50	+43 12.7	3.375	3.103	17.3	21.1	66 W	59*	19*
8 24	5 6.15	+43 54.2	3.223	3.072	18.3	21.0	72 W	66*	19*
9 3	5 18.74	+44 34.7	3.065	3.041	19.0	20.9	79 W	73*	19*
9 13	5 29.96	+45 14.7	2.903	3.008	19.5	20.8	86 W	80*	19*
9 23	5 39.44	+45 54.6	2.740	2.975	19.7	20.6	93 W	87*	18*
10 3	5 46.75	+46 34.7	2.577	2.940	19.5	20.5	101 W	88	17
10 8	5 49.43	+46 54.6	2.497	2.923	19.3	20.4	105 W	88	17
10 13	5 51.37	+47 14.4	2.419	2.905	18.9	20.3	109 W	88	17
10 18	5 52.51	+47 33.6	2.342	2.888	18.4	20.2	114 W	87	16
10 23	5 52.78	+47 52.1	2.267	2.870	17.9	20.1	118 W	87	16
10 28	5 52.11	+48 9.3	2.195	2.851	17.1	20.0	122 W	87	16
11 2	5 50.46	+48 24.5	2.126	2.833	16.3	19.9	127 W	87	16
11 7	5 47.76	+48 37.2	2.061	2.814	15.4	19.8	131 W	86	15
11 12	5 44.03	+48 46.2	2.000	2.796	14.3	19.6	136 W	86	15
11 17	5 39.29	+48 50.5	1.944	2.777	13.2	19.5	140 W	86	15
11 22	5 33.60	+48 49.2	1.893	2.758	12.0	19.4	144 W	86	15
11 27	5 27.08	+48 41.0	1.848	2.738	10.9	19.3	148 W	86	15
12 2	5 19.88	+48 25.1	1.810	2.719	9.9	19.2	152 W	87	16
12 7	5 12.22	+48 0.6	1.777	2.699	9.1	19.1	154 W	87	16
12 12	5 4.36	+47 27.3	1.752	2.680	8.8	19.1	155 E	88	17
12 17	4 56.57	+46 45.1	1.734	2.660	8.9	19.0	155 E	88	17
12 22	4 49.09	+45 54.8	1.723	2.639	9.6	19.0	153 E	89	18
12 27	4 42.17	+44 57.3	1.719	2.619	10.7	19.0	150 E	90	19
1 1	4 35.99	+43 53.8	1.722	2.599	12.1	19.1	146 E	89	20
1 6	4 30.72	+42 46.0	1.731	2.578	13.6	19.1	142 E	88	21
1 11	4 26.46	+41 35.5	1.747	2.558	15.1	19.2	137 E	87	22
1 16	4 23.25	+40 23.9	1.768	2.537	16.7	19.2	132 E	85	24
1 21	4 21.10	+39 12.5	1.794	2.516	18.1	19.3	127 E	84	25

30997 1995 UO_5 *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 17	19 42.40	−44 31.7	2.083	1.368	23.1	20.4	33 E	—	26*
12 22	20 4.69	−43 48.6	2.142	1.417	22.0	20.5	33 E	—	26*
12 27	20 25.55	−42 55.0	2.202	1.465	20.9	20.6	32 E	—	25*
1 1	20 45.06	−41 53.2	2.261	1.511	19.8	20.7	31 E	—	25*
1 6	21 3.29	−40 45.3	2.320	1.556	18.7	20.7	31 E	—	24*
1 11	21 20.34	−39 32.9	2.379	1.600	17.7	20.8	30 E	—	23*
1 16	21 36.32	−38 17.4	2.436	1.642	16.7	20.9	29 E	—	22*
1 21	21 51.32	−36 59.8	2.492	1.684	15.7	21.0	28 E	—	21*

468541 2006 QA_{31}

4 6	2 7.78	+ 9 31.2	1.583	0.693	25.3	21.5	17 E	8*	8*
4 11	2 32.31	+12 25.5	1.538	0.672	28.8	21.4	19 E	10*	8*
4 16	2 58.04	+15 18.8	1.493	0.657	32.6	21.4	21 E	12*	9*
4 21	3 25.03	+18 7.4	1.449	0.650	36.6	21.5	23 E	14*	10*
4 26	3 53.29	+20 46.9	1.407	0.651	40.6	21.5	25 E	16*	11*

337248 2000 RH_{60}

4 6	2 25.53	+ 5 49.0	1.464	0.646	34.5	21.4	21 E	9*	13*
4 11	2 45.38	+ 7 29.4	1.382	0.584	39.4	21.2	22 E	9*	14*
4 16	3 6.11	+ 9 21.5	1.288	0.522	46.5	21.0	22 E	9*	14*
4 21	3 27.24	+11 30.7	1.181	0.462	56.8	20.8	23 E	10*	14*
4 26	3 47.47	+14 5.7	1.060	0.412	71.3	20.8	23 E	10*	14*
5 1	4 4.00	+17 19.0	0.928	0.379	90.8	21.0	22 E	11*	12*

187746 1976 DC

4 6	2 56.39	+33 53.3	3.104	2.404	15.1	21.5	39 E	33*	5*
4 16	3 17.27	+34 27.6	3.136	2.367	13.6	21.4	34 E	28*	3*
4 26	3 39.07	+34 58.3	3.158	2.328	12.1	21.4	29 E	23*	1*
5 6	4 1.74	+35 23.0	3.169	2.289	10.5	21.3	25 E	18*	—
5 16	4 25.21	+35 39.8	3.169	2.250	9.1	21.2	20 E	14*	—
5 26	4 49.39	+35 46.9	3.159	2.210	7.7	21.1	17 E	11*	—
6 5	5 14.18	+35 42.2	3.139	2.169	6.5	21.0	14 E	7*	—
6 15	5 39.46	+35 24.3	3.110	2.128	5.8	20.9	12 E	5*	—
6 25	6 5.08	+34 51.8	3.072	2.087	5.6	20.8	12 W	5*	—
7 5	6 30.90	+34 3.4	3.026	2.045	6.2	20.7	13 W	6*	—
7 15	6 56.77	+32 58.4	2.972	2.004	7.3	20.7	14 W	8*	—
7 25	7 22.55	+31 36.0	2.911	1.963	8.7	20.7	17 W	11*	—
8 4	7 48.13	+29 56.0	2.844	1.922	10.4	20.7	20 W	14*	2*
8 14	8 13.41	+27 58.0	2.770	1.881	12.2	20.6	23 W	17*	4*
8 24	8 38.31	+25 42.4	2.692	1.841	14.1	20.6	26 W	20*	6*
9 3	9 2.81	+23 9.1	2.610	1.802	16.0	20.5	30 W	23*	9*
9 13	9 26.90	+20 18.6	2.524	1.765	18.0	20.5	33 W	26*	11*
9 23	9 50.59	+17 11.3	2.435	1.729	20.0	20.4	36 W	29*	14*
10 3	10 13.96	+13 47.7	2.345	1.694	22.0	20.4	39 W	31*	17*
10 13	10 37.05	+10 8.5	2.254	1.662	23.9	20.3	43 W	34*	20*
10 23	10 59.97	+ 6 14.5	2.163	1.632	25.9	20.2	46 W	35*	23*
11 2	11 22.82	+ 2 6.6	2.073	1.605	27.8	20.1	49 W	36*	27*
11 12	11 45.74	− 2 13.8	1.985	1.581	29.5	20.1	52 W	36*	32*
11 22	12 8.86	− 6 45.0	1.900	1.561	31.2	20.0	55 W	34*	37*
12 2	12 32.35	−11 24.8	1.819	1.544	32.8	19.9	58 W	32*	42*
12 12	12 56.35	−16 10.4	1.743	1.531	34.2	19.9	61 W	28*	47*
12 17	13 8.60	−18 34.2	1.706	1.527	34.9	19.8	63 W	26*	50*
12 22	13 21.04	−20 58.1	1.671	1.523	35.5	19.8	64 W	24*	53*
12 27	13 33.70	−23 21.6	1.637	1.520	36.1	19.8	65 W	22*	56*
1 1	13 46.60	−25 44.0	1.605	1.519	36.6	19.7	67 W	19*	59*
1 6	13 59.74	−28 4.7	1.574	1.518	37.0	19.7	68 W	17	61*
1 11	14 13.13	−30 23.2	1.544	1.519	37.4	19.7	70 W	15	63*
1 16	14 26.80	−32 38.6	1.516	1.521	37.8	19.6	71 W	12	65*
1 21	14 40.74	−34 50.6	1.488	1.523	38.1	19.6	73 W	10	67*

445775 2011 YA

4 6	4 0.88	+23 50.1	1.477	1.079	42.6	21.3	47 E	38*	22*
4 11	4 12.94	+24 4.7	1.437	1.011	44.2	21.1	45 E	35*	21*
4 16	4 25.82	+24 16.4	1.390	0.944	46.2	20.9	43 E	33*	21*
4 21	4 39.52	+24 24.0	1.336	0.875	48.8	20.8	41 E	31*	20*
4 26	4 54.00	+24 26.0	1.274	0.808	52.2	20.6	39 E	29*	20*
5 1	5 9.15	+24 20.5	1.203	0.741	56.6	20.4	38 E	27*	20*
5 6	5 24.76	+24 5.7	1.124	0.678	62.4	20.2	37 E	25*	20*
5 11	5 40.38	+23 39.4	1.037	0.621	70.0	20.1	35 E	23*	20*
5 16	5 55.22	+22 59.7	0.941	0.572	79.8	20.0	34 E	20*	20*
5 21	6 8.02	+22 5.9	0.838	0.537	92.2	20.1	32 E	17*	20*
5 26	6 16.98	+20 58.6	0.732	0.519	106.9	20.5	29 E	14*	19*
5 28	6 19.04	+20 28.5	0.691	0.518	113.3	20.7	28 E	12*	18*
5 30	6 20.04	+19 56.9	0.649	0.520	119.9	21.1	26 E	10*	17*
6 1	6 19.88	+19 23.9	0.610	0.525	126.6	21.5	25 E	8*	16*
6 3	6 18.46	+18 49.6	0.571	0.533	133.4	22.1	22 E	6*	15*

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

139211 2001 GN_2

4 6	4 13.45	+ 1 48.0	1.831	1.389	32.7	21.4	49 E	24*	38*
4 16	4 39.82	+ 4 11.3	1.812	1.326	32.9	21.3	46 E	22*	36*
4 26	5 8.52	+ 6 30.3	1.788	1.266	33.2	21.2	44 E	19*	34*
5 6	5 39.62	+ 8 42.6	1.760	1.208	33.7	21.0	42 E	17*	33*
5 16	6 13.21	+10 44.8	1.730	1.155	34.2	20.9	40 E	15*	31*
5 26	6 49.24	+12 32.8	1.699	1.108	34.9	20.8	39 E	14*	30*
6 5	7 27.58	+14 2.5	1.671	1.070	35.6	20.7	38 E	13*	29*
6 15	8 7.98	+15 9.0	1.647	1.041	36.3	20.6	37 E	12*	29*
6 25	8 49.98	+15 48.1	1.627	1.023	36.9	20.6	37 E	13*	29*
7 5	9 33.03	+15 56.4	1.615	1.019	37.4	20.6	38 E	14*	29*
7 15	10 16.51	+15 32.2	1.611	1.027	37.7	20.6	38 E	15*	29*
7 25	10 59.77	+14 36.1	1.616	1.047	37.8	20.7	39 E	17*	29*
8 4	11 42.27	+13 10.8	1.631	1.078	37.4	20.7	40 E	19*	30*
8 14	12 23.60	+11 21.1	1.657	1.119	36.7	20.8	41 E	21*	31*
8 24	13 3.48	+ 9 13.8	1.695	1.168	35.7	20.9	42 E	22*	31*
9 3	13 41.80	+ 6 55.9	1.744	1.222	34.4	21.1	43 E	24*	32*
9 13	14 18.53	+ 4 34.5	1.805	1.280	32.8	21.2	44 E	25*	32*
9 23	14 53.71	+ 2 16.5	1.877	1.342	31.0	21.3	44 E	26*	31*
10 3	15 27.40	+ 0 7.2	1.958	1.405	29.1	21.5	43 E	26*	30*

216523 2001 HY_7

4 6	6 1.39	+16 9.2	0.319	0.965	87.1	21.1	74 E	52*	44*
4 11	6 45.31	+16 50.2	0.330	0.999	81.1	21.0	80 E	55*	46*
4 16	7 25.54	+16 57.2	0.349	1.031	75.7	21.0	85 E	57*	47*
4 21	8 1.30	+16 37.8	0.374	1.061	71.2	21.1	88 E	57*	47
4 26	8 32.59	+16 0.5	0.405	1.090	67.4	21.2	91 E	57*	48
5 1	8 59.86	+15 12.1	0.439	1.116	64.4	21.3	92 E	57*	49
5 6	9 23.76	+14 17.2	0.476	1.141	62.0	21.5	93 E	55*	50

422637 1985 WA

4 6	13 47.15	− 6 42.7	3.454	4.439	2.7	24.2	168 W	38	71
4 16	13 39.50	− 6 6.7	3.451	4.452	0.9	24.1	176 W	39	70
4 26	13 31.90	− 5 32.5	3.479	4.465	2.9	24.3	167 E	39	70
5 6	13 24.82	− 5 2.7	3.537	4.477	5.3	24.4	156 E	40	69
5 16	13 18.68	− 4 39.4	3.624	4.488	7.5	24.6	145 E	40	69

455554 2004 MQ_1

4 6	13 47.73	− 2 20.7	3.067	4.049	3.1	23.8	167 W	43	66
4 16	13 38.84	− 1 36.3	3.065	4.060	2.1	23.7	172 W	43	66
4 26	13 30.02	− 0 56.9	3.095	4.070	4.0	23.9	164 E	44	65
5 6	13 21.84	− 0 25.4	3.156	4.079	6.5	24.0	153 E	45	64
5 16	13 14.78	− 0 3.6	3.245	4.086	8.8	24.2	142 E	45	64

529752 2010 MR

4 6	13 49.16	−16 13.5	2.369	3.344	4.6	23.5	164 W	29	80
4 16	13 39.69	−15 24.7	2.312	3.312	1.7	23.2	175 W	30	79
4 26	13 29.92	−14 28.5	2.286	3.280	3.2	23.3	169 E	31	78
5 6	13 20.67	−13 29.7	2.290	3.246	6.7	23.5	158 E	32	77
5 16	13 12.68	−12 33.6	2.321	3.211	10.1	23.6	146 E	32	77

461911 2006 QS_{123}

4 6	13 49.39	− 3 48.6	2.624	3.607	3.5	22.4	167 W	41	68
4 16	13 41.44	− 2 47.7	2.608	3.606	2.0	22.3	173 W	42	67
4 26	13 33.45	− 1 51.4	2.623	3.603	4.2	22.5	165 E	43	66
5 6	13 26.06	− 1 3.6	2.667	3.600	7.1	22.6	154 E	44	65
5 16	13 19.80	− 0 27.2	2.737	3.596	9.8	22.8	143 E	45	64

483563 2004 BD_{68}

4 6	13 50.59	+ 3 33.6	2.370	3.343	4.8	23.5	164 W	49	60
4 11	13 44.91	+ 4 20.4	2.351	3.331	4.2	23.4	166 W	49	60
4 16	13 39.06	+ 5 5.4	2.339	3.318	4.5	23.4	165 W	50	59
4 21	13 33.15	+ 5 47.7	2.336	3.305	5.5	23.5	162 E	51	58
4 26	13 27.30	+ 6 26.5	2.341	3.291	6.8	23.5	157 E	51	58
5 1	13 21.62	+ 7 1.4	2.354	3.277	8.3	23.6	152 E	52	57
5 6	13 16.20	+ 7 31.7	2.374	3.262	9.9	23.7	146 E	53	56

401925 2002 AT_{15}

4 6	13 51.21	+45 56.8	2.070	2.784	16.8	23.0	126 W	89	18
4 11	13 44.12	+46 21.8	2.087	2.787	17.1	23.0	125 W	89	18
4 16	13 36.96	+46 35.3	2.108	2.789	17.5	23.1	123 W	88	17
4 21	13 29.91	+46 37.5	2.133	2.791	17.9	23.1	121 E	88	17
4 26	13 23.17	+46 28.6	2.162	2.792	18.4	23.2	119 E	89	18
5 1	13 16.90	+46 9.4	2.194	2.793	18.8	23.2	117 E	89	18
5 6	13 11.22	+45 40.8	2.230	2.794	19.3	23.2	114 E	89	18

363084 2000 RD_{53}

4 6	13 51.83	− 3 59.9	1.507	2.492	5.3	23.2	167 W	41	68
4 11	13 46.08	− 3 8.1	1.489	2.484	3.5	23.1	171 W	42	67
4 16	13 40.09	− 2 16.5	1.478	2.476	3.2	23.0	172 W	43	66
4 21	13 34.03	− 1 26.5	1.474	2.467	4.7	23.1	168 E	44	65
4 26	13 28.08	− 0 39.3	1.478	2.458	6.9	23.2	163 E	44	65

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
363084 2000 RD_{53} *(continuation)*									
5 1	13 22.39	+ 0 4.0	1.488	2.448	9.2	23.3	157 E	45	64
5 6	13 17.09	+ 0 42.6	1.506	2.438	11.6	23.4	151 E	46	63
530101 2010 XD_{52}									
4 6	13 52.37	−23 29.7	2.339	3.291	6.4	22.4	159 W	22	87
4 11	13 48.15	−22 59.8	2.310	3.283	5.0	22.3	164 W	22	87
4 16	13 43.77	−22 26.0	2.287	3.274	3.8	22.2	167 W	23	86
4 21	13 39.33	−21 48.9	2.272	3.265	3.3	22.2	169 E	23	86
4 26	13 34.95	−21 9.1	2.265	3.256	3.7	22.2	168 E	24	85
5 1	13 30.71	−20 27.4	2.265	3.246	4.8	22.2	164 E	25	84
5 6	13 26.72	−19 44.6	2.272	3.237	6.3	22.3	160 E	25	84
5 11	13 23.05	−19 1.4	2.287	3.227	7.8	22.4	154 E	26	83
5 16	13 19.80	−18 18.9	2.308	3.217	9.3	22.5	149 E	27	82
436037 2009 NJ									
4 6	13 53.87	−20 53.3	2.141	3.102	6.2	23.1	160 W	24	85
4 11	13 48.01	−20 22.5	2.119	3.101	4.5	23.0	166 W	25	84
4 16	13 41.99	−19 48.0	2.106	3.099	3.2	22.9	170 W	25	84
4 21	13 35.94	−19 10.5	2.100	3.097	2.8	22.9	171 E	26	83
4 26	13 30.00	−18 30.7	2.103	3.095	3.8	22.9	168 E	26	83
5 1	13 24.28	−17 49.5	2.113	3.092	5.3	23.0	163 E	27	82
5 6	13 18.91	−17 7.9	2.131	3.088	7.1	23.1	158 E	28	81
529032 2009 NA									
4 6	13 57.79	−24 15.8	2.844	3.787	5.9	23.1	157 W	21	88
4 16	13 49.10	−23 34.8	2.778	3.760	3.7	22.9	166 W	21	88
4 26	13 40.04	−22 41.9	2.742	3.732	3.3	22.9	168 E	22	87
5 6	13 31.35	−21 40.7	2.737	3.702	5.3	23.0	160 E	23	86
5 16	13 23.66	−20 35.9	2.761	3.672	7.9	23.1	150 E	24	85
145485 2005 UN_{398}									
4 6	14 0.33	+ 0 47.0	5.854	6.818	2.4	22.5	163 W	46	63
4 16	13 55.89	+ 1 17.5	5.824	6.808	1.8	22.4	168 W	46	63
4 26	13 51.34	+ 1 44.8	5.825	6.798	2.4	22.5	164 E	47	62
5 6	13 46.91	+ 2 7.4	5.856	6.787	3.5	22.5	155 E	47	62
5 16	13 42.85	+ 2 24.3	5.915	6.776	4.8	22.6	146 E	47	62
394130 2006 HY_{51}									
4 6	14 1.83	+ 0 13.3	4.124	5.089	3.3	24.0	163 W	45	64
4 16	13 53.50	+ 0 58.1	4.098	5.085	2.3	24.0	168 W	46	63
4 26	13 45.02	+ 1 38.3	4.107	5.079	3.3	24.0	163 E	47	62
5 6	13 36.82	+ 2 11.7	4.149	5.073	5.0	24.1	154 E	47	62
5 16	13 29.32	+ 2 36.7	4.220	5.065	6.9	24.3	143 E	48	61
542192 2013 AY_{50}									
4 6	14 4.88	+21 54.8	2.171	3.063	10.1	22.5	148 W	67	42
4 11	14 0.08	+22 21.2	2.172	3.066	10.0	22.5	148 W	67	42
4 16	13 55.13	+22 41.3	2.180	3.070	10.3	22.5	147 W	68	41
4 21	13 50.14	+22 54.6	2.194	3.074	10.7	22.5	145 E	68	41
4 26	13 45.23	+23 0.9	2.214	3.077	11.4	22.6	143 E	68	41
5 1	13 40.52	+23 0.2	2.240	3.080	12.2	22.6	140 E	68	41
5 6	13 36.10	+22 52.6	2.271	3.082	13.0	22.7	137 E	68	41
459683 2013 MY_{5}									
4 6	14 6.18	− 7 33.2	1.435	2.411	6.8	22.9	163 W	37	72
4 11	13 59.78	− 6 55.8	1.416	2.408	4.3	22.7	170 W	38	71
4 16	13 53.05	− 6 17.6	1.405	2.405	2.3	22.6	174 W	39	70
4 21	13 46.18	− 5 39.8	1.401	2.402	2.7	22.6	174 E	39	70
4 26	13 39.38	− 5 3.5	1.404	2.398	5.0	22.8	168 E	40	69
5 1	13 32.81	− 4 29.7	1.415	2.393	7.5	22.9	162 E	41	68
5 6	13 26.64	− 3 59.3	1.432	2.388	10.0	23.0	156 E	41	68
456701 2007 RV_{241}									
4 6	14 8.47	−12 45.9	2.005	2.972	6.0	22.2	162 W	32	77
4 16	13 59.54	−11 56.2	1.954	2.954	2.0	21.9	174 W	33	76
4 26	13 50.00	−11 1.9	1.933	2.935	2.1	21.9	174 E	34	75
5 6	13 40.79	−10 8.2	1.940	2.915	6.3	22.1	162 E	35	74
5 16	13 32.77	− 9 20.5	1.975	2.894	10.1	22.3	150 E	36	73
401968 2002 TE_{138}									
4 6	14 9.54	−19 58.5	2.545	3.494	6.1	23.9	158 W	25	84
4 16	14 0.73	−19 27.3	2.488	3.478	3.2	23.7	169 W	26	83
4 26	13 51.40	−18 46.8	2.461	3.461	2.2	23.6	172 E	26	83
5 6	13 42.33	−18 0.6	2.465	3.444	4.8	23.8	163 E	27	82
5 16	13 34.24	−17 13.1	2.498	3.425	7.9	23.9	152 E	28	81
429073 2009 ND_{1}									
4 6	14 10.28	+ 2 18.3	3.324	4.279	4.5	23.5	160 W	47	62
4 16	14 2.84	+ 3 2.2	3.305	4.284	3.4	23.4	165 W	48	61
4 26	13 55.16	+ 3 39.1	3.318	4.288	4.1	23.4	162 E	49	60
5 6	13 47.75	+ 4 6.6	3.361	4.291	5.9	23.6	154 E	49	60
5 16	13 41.08	+ 4 23.0	3.431	4.293	7.9	23.7	144 E	49	60

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
139359 2001 ME_{1}									
4 6	14 13.93	− 7 2.6	3.920	4.879	3.7	23.2	161 W	38	71
4 16	14 6.24	− 6 19.4	3.874	4.869	1.7	23.0	172 W	39	70
4 26	13 58.23	− 5 36.7	3.860	4.857	1.8	23.0	171 E	39	70
5 6	13 50.37	− 4 57.3	3.880	4.845	3.9	23.1	161 E	40	69
5 16	13 43.07	− 4 23.2	3.930	4.831	6.0	23.3	150 E	41	68
509935 2009 QL_{8}									
4 6	14 16.79	− 7 19.5	1.429	2.397	7.9	22.6	161 W	38	71
4 11	14 10.11	− 6 46.0	1.434	2.421	5.4	22.5	167 W	38	71
4 16	14 3.28	− 6 13.0	1.446	2.444	3.2	22.5	172 W	39	70
4 21	13 56.48	− 5 41.5	1.465	2.467	2.5	22.5	174 W	39	70
4 26	13 49.90	− 5 12.3	1.492	2.489	4.1	22.6	170 E	40	69
5 1	13 43.70	− 4 46.3	1.526	2.511	6.3	22.8	164 E	40	69
5 6	13 38.00	− 4 24.0	1.567	2.532	8.5	23.0	158 E	41	68
5 11	13 32.91	− 4 5.8	1.615	2.553	10.6	23.1	152 E	41	68
488645 2003 OV									
4 6	14 20.90	−25 12.8	2.450	3.372	7.8	23.5	153 W	20	89
4 11	14 14.73	−24 46.2	2.445	3.398	6.2	23.5	159 W	20	89
4 16	14 8.42	−24 15.8	2.448	3.424	4.7	23.4	164 W	21	88
4 21	14 2.11	−23 42.2	2.460	3.449	3.5	23.4	168 W	21	88
4 26	13 55.90	−23 6.0	2.479	3.473	3.0	23.4	169 E	22	87
5 1	13 49.93	−22 28.1	2.507	3.497	3.6	23.5	167 E	23	86
5 6	13 44.27	−21 49.1	2.543	3.521	4.8	23.6	163 E	23	86
5 11	13 39.03	−21 9.9	2.587	3.544	6.1	23.7	158 E	24	85
401979 2002 UC_{32}									
4 6	14 22.47	−20 43.8	2.454	3.389	7.1	23.8	155 W	24	85
4 16	14 13.88	−20 17.7	2.392	3.375	4.0	23.6	166 W	25	84
4 26	14 4.53	−19 41.6	2.360	3.361	2.0	23.4	173 E	25	84
5 6	13 55.24	−18 58.6	2.357	3.346	4.1	23.6	166 E	26	83
5 16	13 46.78	−18 13.1	2.384	3.330	7.3	23.7	155 E	27	82
452376 2002 AC_{5}									
4 6	14 23.72	+11 47.9	1.360	2.294	11.7	23.2	152 W	57	52
4 11	14 16.48	+12 16.7	1.366	2.313	10.6	23.2	155 W	57	52
4 16	14 9.02	+12 38.6	1.379	2.331	10.1	23.2	156 W	58	51
4 21	14 1.55	+12 52.8	1.398	2.349	10.3	23.2	155 W	58	51
4 26	13 54.29	+12 59.0	1.424	2.366	11.1	23.3	153 E	58	51
5 1	13 47.41	+12 57.2	1.457	2.383	12.2	23.4	150 E	58	51
5 6	13 41.06	+12 47.7	1.496	2.399	13.6	23.6	146 E	58	51
5 11	13 35.36	+12 31.1	1.540	2.414	15.1	23.7	142 E	58	51
530121 2011 AV_{2}									
4 6	14 24.42	−21 44.6	2.506	3.435	7.2	23.3	154 W	23	86
4 16	14 16.13	−21 16.5	2.444	3.423	4.3	23.1	165 W	24	85
4 26	14 7.08	−20 38.0	2.410	3.411	2.2	22.9	173 E	24	85
5 6	13 58.07	−19 52.0	2.407	3.397	3.9	23.0	167 E	25	84
5 16	13 49.84	−19 2.8	2.433	3.383	6.9	23.2	156 E	26	83
536531 2015 DV_{215}									
4 6	14 25.75	−21 23.3	1.072	2.021	12.4	22.8	154 W	24	85
4 11	14 17.07	−21 25.0	1.061	2.034	9.5	22.7	161 W	24	85
4 16	14 7.88	−21 20.3	1.057	2.046	6.6	22.6	166 W	24	85
4 21	13 58.50	−21 9.7	1.060	2.058	4.6	22.5	171 W	24	85
4 26	13 49.24	−20 53.9	1.070	2.069	4.6	22.5	171 E	24	85
5 1	13 40.39	−20 34.2	1.086	2.079	6.5	22.7	166 E	24	85
5 6	13 32.20	−20 11.8	1.110	2.089	9.2	22.8	161 E	25	84
5 11	13 24.88	−19 48.3	1.140	2.098	11.8	23.0	155 E	25	84
453270 2008 SJ_{290}									
4 6	14 26.25	− 7 4.2	1.879	2.833	7.5	22.9	158 W	38	71
4 11	14 22.19	− 6 30.6	1.850	2.826	5.6	22.7	164 W	38	71
4 16	14 17.79	− 5 56.4	1.827	2.819	3.9	22.6	169 W	39	70
4 21	14 13.14	− 5 22.3	1.812	2.811	2.8	22.5	172 W	40	69
4 26	14 8.38	− 4 49.2	1.805	2.804	3.1	22.5	171 E	40	69
5 1	14 3.63	− 4 17.8	1.804	2.796	4.6	22.6	167 E	41	68
5 6	13 59.01	− 3 48.8	1.811	2.787	6.5	22.7	162 E	41	68
5 11	13 54.62	− 3 22.9	1.824	2.779	8.4	22.8	156 E	42	67
518847 2010 DM									
4 6	14 28.93	− 6 38.7	1.484	2.440	8.9	22.3	158 W	38	71
4 16	14 14.04	− 4 51.5	1.361	2.354	4.5	21.8	169 W	40	69
4 26	13 55.95	− 2 51.3	1.270	2.265	5.1	21.6	169 E	42	67
5 6	13 36.08	− 0 48.9	1.212	2.171	11.0	21.7	156 E	44	65
5 16	13 16.37	+ 1 2.2	1.185	2.073	17.7	21.8	141 E	46	63
467475 2006 RG_{7}									
4 6	14 29.05	+ 2 28.8	1.548	2.496	9.4	22.4	156 W	47	62
4 11	14 24.43	+ 3 42.9	1.526	2.489	8.1	22.3	160 W	49	60
4 16	14 19.38	+ 4 55.6	1.510	2.482	7.3	22.2	162 W	50	59
4 21	14 14.04	+ 6 5.2	1.501	2.475	7.4	22.2	162 W	51	58

467475 2006 RG_7 *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
4 26	14 8.56	+ 7 10.3	1.500	2.467	8.3	22.2	159 E	52	57
5 1	14 3.09	+ 8 9.5	1.506	2.459	9.7	22.3	156 E	53	56
5 6	13 57.79	+ 9 1.8	1.518	2.451	11.4	22.4	151 E	54	55
5 11	13 52.80	+ 9 46.3	1.537	2.442	13.3	22.4	146 E	55	54

524114 2000 SB_1

4 6	14 29.57	−38 53.3	3.881	4.706	7.6	22.0	142 W	6	77
4 11	14 25.87	−38 45.7	3.855	4.718	6.9	21.9	146 W	6	77
4 16	14 21.98	−38 34.3	3.836	4.729	6.2	21.9	150 W	6	77
4 21	14 17.98	−38 19.3	3.824	4.741	5.5	21.8	153 W	7	78
4 26	14 13.93	−38 0.7	3.819	4.752	5.1	21.8	155 W	7	78
5 1	14 9.92	−37 39.0	3.821	4.763	4.8	21.8	157 E	7	78
5 6	14 6.01	−37 14.4	3.830	4.774	4.8	21.8	157 E	8	79
5 11	14 2.27	−36 47.2	3.846	4.785	5.0	21.8	156 E	8	79
5 16	13 58.77	−36 18.0	3.870	4.795	5.4	21.9	153 E	9	80
5 21	13 55.55	−35 47.3	3.901	4.806	6.0	21.9	150 E	9	80
5 26	13 52.66	−35 15.6	3.938	4.816	6.6	22.0	147 E	10	81

359170 2009 CN_5

4 6	14 30.57	−29 24.7	1.318	2.234	13.5	23.1	148 W	16	87
4 11	14 22.68	−29 25.1	1.296	2.240	11.4	23.0	154 W	16	87
4 16	14 14.18	−29 17.4	1.280	2.245	9.3	22.9	159 W	16	87
4 21	14 5.32	−29 1.6	1.271	2.250	7.7	22.8	163 W	16	87
4 26	13 56.39	−28 38.2	1.269	2.254	7.0	22.8	164 E	16	87
5 1	13 47.65	−28 8.0	1.274	2.257	7.4	22.8	163 E	17	88
5 6	13 39.35	−27 32.3	1.286	2.260	8.8	22.9	160 E	17	88
5 11	13 31.73	−26 52.8	1.304	2.262	10.7	23.0	155 E	18	89

532777 2013 WL_{64}

4 6	14 31.35	−48 45.0	2.837	3.598	11.7	22.5	133 W	—	67
4 11	14 26.56	−48 48.2	2.788	3.585	11.0	22.4	137 W	—	67
4 16	14 21.33	−48 45.0	2.744	3.573	10.4	22.3	140 W	—	67
4 21	14 15.80	−48 35.2	2.707	3.560	9.8	22.3	143 W	—	67
4 26	14 10.09	−48 18.7	2.675	3.547	9.3	22.2	145 E	—	68
5 1	14 4.35	−47 55.5	2.649	3.534	9.0	22.2	147 E	—	68
5 6	13 58.71	−47 25.8	2.630	3.520	8.9	22.1	147 E	—	69
5 11	13 53.32	−46 50.1	2.618	3.507	9.1	22.1	147 E	—	69
5 16	13 48.30	−46 9.0	2.611	3.493	9.4	22.1	146 E	—	70
5 21	13 43.77	−45 23.5	2.611	3.479	9.9	22.1	144 E	—	71

163760 2003 OR_{14}

4 6	14 32.72	−14 23.0	2.383	3.321	7.1	21.6	156 W	31	78
4 16	14 24.15	−13 16.0	2.365	3.352	3.6	21.4	168 W	32	77
4 26	14 15.06	−12 5.6	2.376	3.382	0.4	21.2	179 W	33	76
5 6	14 6.23	−10 56.6	2.419	3.411	3.6	21.5	168 E	34	75
5 16	13 58.37	− 9 53.8	2.491	3.439	6.9	21.8	156 E	35	74
5 26	13 52.01	− 9 1.2	2.591	3.466	9.8	22.0	144 E	36	73

529819 2010 PM_{58}

4 6	14 33.26	−37 55.9	1.104	1.989	18.1	23.4	142 W	7	78
4 11	14 24.14	−38 16.7	1.071	1.984	16.2	23.3	146 W	7	78
4 16	14 13.90	−38 25.6	1.043	1.979	14.5	23.2	150 W	7	78
4 21	14 2.88	−38 21.0	1.021	1.972	13.2	23.1	153 W	7	78
4 26	13 51.45	−38 2.6	1.006	1.964	12.6	23.0	155 E	7	78
5 1	13 40.05	−37 30.6	0.997	1.956	12.7	23.0	155 E	7	78
5 6	13 29.10	−36 46.2	0.994	1.946	13.8	23.0	153 E	8	79
5 11	13 18.99	−35 51.6	0.998	1.936	15.4	23.1	149 E	9	80

306798 2001 OW_{94}

4 6	14 33.59	−19 7.9	2.770	3.694	6.9	22.0	154 W	26	83
4 16	14 25.53	−18 48.7	2.707	3.686	4.0	21.8	165 W	26	83
4 26	14 16.67	−18 22.1	2.673	3.677	1.4	21.6	175 W	27	82
5 6	14 7.72	−17 50.3	2.671	3.667	2.9	21.7	169 E	27	82
5 16	13 59.35	−17 16.7	2.698	3.656	5.9	21.8	158 E	28	81
5 26	13 52.20	−16 44.9	2.753	3.644	8.7	22.0	147 E	28	81

484506 2008 ER_7

4 6	14 33.85	−18 46.1	1.370	2.311	11.0	23.2	154 W	26	83
4 11	14 26.00	−18 14.1	1.354	2.323	8.2	23.1	161 W	27	82
4 16	14 17.71	−17 37.4	1.346	2.335	5.4	22.9	167 W	27	82
4 21	14 9.20	−16 57.0	1.345	2.346	2.7	22.8	174 W	28	81
4 26	14 0.73	−16 13.8	1.351	2.356	1.8	22.7	176 E	29	80
5 1	13 52.51	−15 29.4	1.366	2.365	4.1	22.9	170 E	30	79
5 6	13 44.76	−14 44.9	1.388	2.374	6.8	23.1	164 E	30	79
5 11	13 37.64	−14 1.9	1.418	2.381	9.5	23.3	157 E	31	78

185746 1999 LO_1

4 6	14 36.06	−11 31.3	1.874	2.815	8.4	21.4	156 W	33	76
4 16	14 26.80	−10 49.4	1.814	2.802	4.4	21.1	168 W	34	75
4 26	14 16.34	−10 3.7	1.783	2.788	1.2	20.9	177 W	35	74
5 6	14 5.70	− 9 19.0	1.782	2.773	4.8	21.1	167 E	36	73

185746 1999 LO_1 *(continuation)*

5 16	13 55.91	− 8 40.5	1.808	2.757	9.0	21.3	155 E	36	73
5 26	13 47.88	− 8 12.6	1.860	2.739	12.8	21.5	143 E	37	72

393657 2004 RS_9

4 6	14 37.16	−20 29.7	1.422	2.355	11.4	21.3	152 W	25	84
4 16	14 29.74	−18 30.7	1.341	2.323	6.6	21.0	165 W	26	83
4 26	14 20.61	−16 7.7	1.286	2.292	1.4	20.5	177 W	29	80
5 6	14 10.98	−13 30.5	1.260	2.259	4.6	20.7	170 E	31	78
5 16	14 2.18	−10 52.6	1.260	2.227	10.2	20.9	157 E	34	75
5 26	13 55.41	− 8 28.2	1.286	2.194	15.4	21.1	145 E	37	72
6 5	13 51.40	− 6 27.3	1.331	2.161	19.8	21.3	134 E	39	70
6 15	13 50.50	− 4 55.0	1.392	2.128	23.5	21.5	123 E	40*	69

523596 2002 PH_{80}

4 6	14 37.79	−23 21.5	1.122	2.055	13.7	22.2	151 W	22	87
4 16	14 27.90	−23 42.5	1.021	1.998	9.1	21.8	162 W	21	88
4 26	14 14.60	−23 42.7	0.942	1.941	5.3	21.3	170 W	21	88
5 6	13 59.31	−23 20.4	0.887	1.882	7.5	21.3	166 E	22	87
5 16	13 44.13	−22 39.0	0.856	1.823	13.6	21.4	155 E	22	87
5 26	13 31.36	−21 48.6	0.845	1.763	20.3	21.5	143 E	23	86

513126 1998 QP

4 6	14 38.59	−29 7.0	1.884	2.779	11.2	25.5	147 W	16	87
4 11	14 32.35	−28 57.6	1.857	2.786	9.5	25.4	153 W	16	87
4 16	14 25.66	−28 42.4	1.836	2.792	7.7	25.3	158 W	16	87
4 21	14 18.67	−28 21.6	1.823	2.798	6.2	25.2	162 W	17	88
4 26	14 11.57	−27 55.5	1.818	2.803	5.2	25.2	165 E	17	88
5 1	14 4.53	−27 24.7	1.820	2.808	5.0	25.2	166 E	18	89
5 6	13 57.71	−26 50.0	1.829	2.812	5.8	25.2	164 E	18	89
5 11	13 51.27	−26 12.5	1.846	2.815	7.2	25.3	160 E	19	90

537098 2015 GZ_{45}

4 6	14 40.11	−17 7.6	0.959	1.906	13.7	21.4	153 W	28	81
4 16	14 30.16	−17 15.6	0.855	1.843	8.1	20.9	165 W	28	81
4 26	14 16.06	−17 9.6	0.773	1.778	2.1	20.2	176 W	28	81
5 6	13 59.14	−16 50.2	0.714	1.713	7.4	20.3	167 E	28	81
5 11	13 50.29	−16 36.8	0.693	1.680	11.5	20.3	161 E	28	81
5 16	13 41.65	−16 22.2	0.678	1.647	15.7	20.4	154 E	29	80
5 21	13 33.56	−16 8.0	0.666	1.613	19.9	20.5	147 E	29	80
5 26	13 26.31	−15 55.8	0.660	1.580	23.9	20.5	141 E	29	80
5 31	13 20.13	−15 46.7	0.656	1.546	27.9	20.6	135 E	29	80
6 5	13 15.20	−15 42.1	0.655	1.513	31.6	20.6	129 E	29	80
6 10	13 11.63	−15 43.0	0.656	1.480	35.1	20.7	123 E	29*	80
6 15	13 9.49	−15 50.1	0.659	1.446	38.3	20.7	118 E	28*	80
6 20	13 8.78	−16 4.0	0.662	1.414	41.4	20.8	113 E	27*	80
6 25	13 9.49	−16 24.8	0.665	1.381	44.2	20.8	109 E	25*	80
6 30	13 11.56	−16 52.4	0.667	1.349	46.8	20.8	105 E	23*	81
7 5	13 14.95	−17 26.6	0.669	1.318	49.3	20.9	101 E	22*	81
7 10	13 19.64	−18 7.2	0.669	1.288	51.5	20.9	97 E	20*	82
7 15	13 25.59	−18 54.1	0.669	1.258	53.7	20.9	94 E	18*	83
7 20	13 32.79	−19 46.7	0.666	1.230	55.7	20.9	92 E	16*	83*
7 25	13 41.21	−20 44.4	0.662	1.203	57.6	20.9	89 E	15*	82*
7 30	13 50.85	−21 46.6	0.656	1.177	59.4	20.9	87 E	14*	81*
8 4	14 1.76	−22 52.6	0.649	1.154	61.2	20.9	85 E	12*	79*
8 9	14 13.99	−24 1.6	0.639	1.132	62.8	20.8	83 E	11*	77*
8 14	14 27.62	−25 12.8	0.629	1.112	64.3	20.8	82 E	11*	75*
8 19	14 42.71	−26 24.7	0.616	1.095	65.7	20.8	81 E	10*	74*
8 24	14 59.36	−27 35.8	0.603	1.081	67.0	20.7	80 E	9*	73*
8 29	15 17.70	−28 44.0	0.589	1.069	68.1	20.7	79 E	9*	72*
9 3	15 37.85	−29 47.1	0.575	1.061	68.9	20.6	79 E	9*	72*
9 8	15 59.92	−30 42.3	0.561	1.055	69.6	20.6	79 E	9*	72*
9 13	16 23.98	−31 26.0	0.547	1.053	69.9	20.6	79 E	10*	72*
9 18	16 50.02	−31 54.4	0.534	1.054	69.9	20.5	80 E	10*	73*
9 23	17 17.87	−32 3.1	0.524	1.058	69.5	20.5	81 E	11*	74*
9 28	17 47.27	−31 48.3	0.516	1.066	68.8	20.4	83 E	12*	76*
10 3	18 17.79	−31 6.7	0.510	1.076	67.7	20.4	84 E	13*	77*
10 8	18 48.86	−29 56.8	0.509	1.090	66.2	20.4	86 E	15*	80*
10 13	19 19.86	−28 18.9	0.512	1.106	64.4	20.3	88 E	17	82*
10 18	19 50.16	−26 16.0	0.520	1.124	62.4	20.4	90 E	19	84*
10 23	20 19.22	−23 52.8	0.533	1.145	60.2	20.4	92 E	21	85*
10 28	20 46.71	−21 15.2	0.551	1.168	58.1	20.4	94 E	24	84*
11 2	21 12.44	−18 29.3	0.575	1.193	55.9	20.5	95 E	27	82*
11 7	21 36.39	−15 40.9	0.603	1.220	53.8	20.6	97 E	29	79*
11 12	21 58.62	−12 54.2	0.637	1.247	51.8	20.7	98 E	32	76*
11 17	22 19.24	−10 12.7	0.676	1.277	50.0	20.8	98 E	35	74*
11 22	22 38.41	− 7 38.5	0.719	1.307	48.3	21.0	99 E	37	71*
11 27	22 56.29	− 5 12.7	0.766	1.338	46.8	21.1	99 E	40	68*
12 2	23 13.05	− 2 55.8	0.818	1.369	45.4	21.3	98 E	42	66*
12 7	23 28.86	− 0 47.5	0.873	1.402	44.2	21.4	98 E	44	63*

58325 1994 RE_{11}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
4 6	14 43.18	− 2 17.7	2.498	3.424	7.4	21.5	154 W	43	66
4 16	14 36.01	− 1 5.5	2.444	3.415	5.0	21.3	163 W	44	65
4 26	14 27.94	+ 0 2.7	2.419	3.405	4.1	21.2	166 W	45	64
5 6	14 19.64	+ 1 2.2	2.424	3.393	5.6	21.3	161 E	46	63
5 16	14 11.81	+ 1 48.7	2.458	3.381	8.2	21.5	152 E	47	62
5 26	14 5.09	+ 2 19.9	2.517	3.368	10.8	21.6	141 E	47	62

440174 2003 YF_{136}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 6	14 43.27	−20 15.0	1.704	2.626	10.6	22.2	151 W	25	84
4 16	14 34.42	−19 36.7	1.632	2.609	6.5	21.9	163 W	25	84
4 26	14 23.96	−18 44.2	1.587	2.590	2.3	21.6	174 W	26	83
5 6	14 13.03	−17 41.8	1.570	2.571	3.6	21.7	171 E	27	82
5 16	14 2.84	−16 35.9	1.581	2.550	8.2	21.9	159 E	28	81
5 26	13 54.48	−15 33.9	1.617	2.529	12.5	22.1	147 E	29	80

533849 2014 OH_{338}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 6	14 43.39	−12 59.1	2.601	3.525	7.3	22.3	154 W	32	77
4 16	14 36.20	−12 7.8	2.536	3.515	4.2	22.1	165 W	33	76
4 26	14 28.09	−11 12.5	2.501	3.505	1.2	21.9	176 W	34	75
5 6	14 19.75	−10 17.0	2.496	3.494	2.9	22.0	170 E	35	74
5 16	14 11.86	− 9 25.4	2.521	3.482	6.1	22.2	159 E	36	73
5 26	14 5.06	− 8 41.4	2.574	3.469	9.1	22.4	147 E	36	73

399356 2000 WG_{12}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 6	14 43.91	−18 45.8	2.072	2.991	9.1	21.9	152 W	26	83
4 16	14 35.78	−18 8.8	1.995	2.970	5.5	21.6	163 W	27	82
4 26	14 26.30	−17 21.4	1.945	2.949	1.7	21.3	175 W	28	81
5 6	14 16.39	−16 27.1	1.924	2.926	2.9	21.4	172 E	29	80
5 16	14 7.00	−15 30.9	1.933	2.902	6.9	21.6	160 E	29	80
5 26	13 59.03	−14 38.5	1.968	2.878	10.7	21.7	148 E	30	79

244977 2004 BE_{68}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 6	14 46.12	−15 0.6	1.588	2.518	10.6	22.0	152 W	30	79
4 11	14 40.93	−14 10.3	1.563	2.523	8.3	21.9	159 W	31	78
4 16	14 35.26	−13 16.7	1.544	2.527	5.8	21.7	165 W	32	77
4 21	14 29.26	−12 20.9	1.533	2.531	3.3	21.6	172 W	33	76
4 26	14 23.09	−11 23.9	1.529	2.534	1.2	21.4	177 W	34	75
5 1	14 16.92	−10 27.0	1.533	2.537	2.3	21.5	174 E	35	74
5 6	14 10.92	− 9 31.3	1.544	2.539	4.8	21.7	168 E	35	74
5 11	14 5.22	− 8 38.3	1.563	2.541	7.2	21.8	162 E	36	73
5 16	13 59.98	− 7 48.8	1.588	2.542	9.6	22.0	155 E	37	72
5 21	13 55.30	− 7 3.8	1.620	2.543	11.8	22.1	149 E	38	71
5 26	13 51.27	− 6 24.0	1.658	2.543	13.8	22.2	143 E	39	70

451896 2014 JN_{54}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 6	14 46.64	+ 8 21.9	1.909	2.818	10.4	21.3	149 W	53	56
4 11	14 41.90	+ 8 37.5	1.876	2.807	9.3	21.2	153 W	54	55
4 16	14 36.70	+ 8 49.7	1.850	2.796	8.4	21.2	156 W	54	55
4 21	14 31.13	+ 8 57.8	1.830	2.785	8.0	21.1	157 W	54	55
4 26	14 25.32	+ 9 0.9	1.818	2.773	8.0	21.1	157 W	54	55
5 1	14 19.41	+ 8 58.8	1.812	2.762	8.6	21.1	156 E	54	55
5 6	14 13.53	+ 8 50.9	1.813	2.750	9.6	21.1	153 E	54	55
5 11	14 7.83	+ 8 37.3	1.820	2.738	10.9	21.2	149 E	54	55
5 16	14 2.42	+ 8 17.8	1.834	2.725	12.3	21.2	145 E	53	56
5 21	13 57.44	+ 7 52.7	1.854	2.713	13.7	21.3	140 E	53	56
5 26	13 52.96	+ 7 22.3	1.880	2.700	15.2	21.4	136 E	52	57
5 31	13 49.06	+ 6 47.1	1.910	2.687	16.5	21.4	131 E	52	57

483535 2003 UM_{86}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 6	14 48.76	−11 41.0	1.774	2.701	9.9	22.2	152 W	33	76
4 16	14 40.18	−10 51.3	1.713	2.692	5.8	22.0	164 W	34	75
4 26	14 30.13	− 9 57.3	1.679	2.682	2.0	21.7	175 W	35	74
5 6	14 19.63	− 9 4.3	1.673	2.671	4.0	21.8	169 E	36	73
5 16	14 9.78	− 8 18.0	1.696	2.659	8.3	22.0	158 E	37	72
5 26	14 1.56	− 7 43.4	1.744	2.646	12.3	22.3	146 E	37	72

47576 2000 AW_{172}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 6	14 52.03	−16 27.6	2.034	2.948	9.6	21.8	151 W	29	80
4 16	14 43.73	−15 36.2	1.977	2.950	5.8	21.6	163 W	29	80
4 26	14 34.17	−14 36.9	1.948	2.951	1.7	21.3	175 W	30	79
5 6	14 24.27	−13 34.3	1.948	2.951	2.5	21.4	173 E	31	78
5 16	14 14.96	−12 33.6	1.977	2.950	6.5	21.6	161 E	32	77
5 26	14 7.11	−11 40.4	2.034	2.948	10.2	21.8	149 E	33	76

409829 2006 OX_{21}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 6	14 55.62	−10 35.4	1.939	2.856	9.8	22.0	151 W	34	75
4 16	14 48.00	−10 1.2	1.855	2.827	6.2	21.7	162 W	35	74
4 26	14 38.72	− 9 24.0	1.797	2.798	2.6	21.4	173 W	36	73
5 6	14 28.63	− 8 47.7	1.768	2.768	3.5	21.4	170 E	36	73
5 16	14 18.74	− 8 17.0	1.767	2.737	7.4	21.6	159 E	37	72
5 26	14 10.06	− 7 56.1	1.792	2.705	11.4	21.7	148 E	37	72

445024 2008 NT

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
4 6	15 0.29	−24 12.1	1.710	2.600	12.4	21.9	146 W	21	88
4 16	14 52.47	−23 52.7	1.622	2.577	8.7	21.6	157 W	21	88
4 26	14 42.53	−23 16.2	1.559	2.552	4.7	21.3	168 W	22	87
5 6	14 31.52	−22 24.4	1.523	2.526	3.0	21.1	172 E	23	86
5 16	14 20.69	−21 21.7	1.514	2.499	6.6	21.3	163 E	24	85
5 26	14 11.32	−20 15.7	1.531	2.472	11.1	21.5	152 E	25	84

414287 2008 OB_9

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 6	15 0.41	−12 10.3	2.061	2.968	9.8	22.3	150 W	33	76
4 11	14 55.34	−11 31.5	2.065	3.007	7.9	22.2	156 W	33	76
4 16	14 50.00	−10 52.2	2.076	3.045	5.9	22.2	162 W	34	75
4 21	14 44.52	−10 13.0	2.094	3.083	4.0	22.1	168 W	35	74
4 26	14 39.01	− 9 34.7	2.120	3.121	2.4	22.1	173 W	35	74
5 1	14 33.60	− 8 57.9	2.154	3.158	1.9	22.1	174 W	36	73
5 6	14 28.39	− 8 23.2	2.196	3.195	3.1	22.2	170 E	37	72
5 11	14 23.47	− 7 51.2	2.246	3.231	4.7	22.4	165 E	37	72
5 16	14 18.92	− 7 22.4	2.303	3.267	6.4	22.6	159 E	38	71
5 21	14 14.83	− 6 57.0	2.367	3.303	7.9	22.7	153 E	38	71

452337 2001 RB_{22}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 6	15 1.76	−12 52.5	1.773	2.682	11.0	22.5	149 W	32	77
4 16	14 54.43	−12 0.4	1.691	2.659	7.2	22.2	161 W	33	76
4 26	14 45.23	−11 1.6	1.635	2.635	3.1	21.9	172 W	34	75
5 6	14 35.09	−10 1.2	1.608	2.611	2.9	21.8	172 E	35	74
5 16	14 25.10	− 9 5.1	1.608	2.585	7.2	22.0	161 E	36	73
5 26	14 16.35	− 8 19.3	1.634	2.559	11.6	22.2	150 E	37	72

194212 2001 TH_{114}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 6	15 2.13	−22 19.6	1.964	2.852	11.2	21.5	146 W	23	86
4 16	14 54.18	−22 3.3	1.882	2.836	7.7	21.3	158 W	23	86
4 26	14 44.43	−21 34.0	1.825	2.820	3.9	21.0	169 W	23	86
5 6	14 33.81	−20 53.6	1.797	2.802	2.2	20.9	174 E	24	85
5 16	14 23.40	−20 6.1	1.797	2.783	5.7	21.1	164 E	25	84
5 26	14 14.27	−19 17.0	1.825	2.764	9.7	21.2	153 E	26	83
6 5	14 7.20	−18 32.3	1.877	2.743	13.3	21.4	141 E	26	83

143381 2003 BC_{21}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 6	15 2.42	−24 7.3	3.041	3.908	8.3	22.0	146 W	21	88
4 16	14 55.06	−23 45.4	2.970	3.912	5.8	21.8	157 W	21	88
4 26	14 46.65	−23 13.8	2.927	3.916	3.2	21.6	167 W	22	87
5 6	14 37.82	−22 34.3	2.915	3.918	1.8	21.5	173 E	22	87
5 16	14 29.23	−21 49.5	2.933	3.920	3.8	21.7	165 E	23	86
5 26	14 21.51	−21 3.1	2.981	3.920	6.4	21.8	155 E	24	85

496962 2002 GP_{186}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 6	15 3.03	−16 29.2	0.684	1.622	19.0	21.4	148 W	29	80
4 11	14 53.85	−16 31.7	0.670	1.634	14.9	21.2	155 W	28	81
4 16	14 43.49	−16 28.9	0.660	1.645	10.6	21.1	162 W	29	80
4 21	14 32.36	−16 21.0	0.656	1.655	6.2	20.9	170 W	29	80
4 26	14 20.89	−16 8.7	0.659	1.664	2.0	20.6	177 W	29	80
5 1	14 9.58	−15 52.9	0.667	1.672	3.4	20.8	174 E	29	80
5 6	13 58.86	−15 35.2	0.681	1.680	7.6	21.0	167 E	29	80
5 11	13 49.11	−15 17.1	0.701	1.687	11.7	21.3	160 E	30	79
5 16	13 40.62	−15 0.5	0.727	1.693	15.5	21.5	153 E	30	79
5 21	13 33.56	−14 46.7	0.757	1.698	19.0	21.7	147 E	30	79
5 26	13 28.00	−14 36.8	0.792	1.702	22.1	21.9	141 E	30	79

413949 2007 AH_{14}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 6	15 3.61	−21 9.2	2.554	3.434	9.3	22.4	147 W	24	85
4 16	14 56.55	−20 42.5	2.473	3.423	6.3	22.2	158 W	24	85
4 26	14 48.18	−20 6.3	2.418	3.412	3.1	22.0	169 W	25	84
5 6	14 39.18	−19 22.7	2.394	3.401	1.2	21.8	176 E	26	83
5 16	14 30.34	−18 35.1	2.399	3.388	4.2	22.0	166 E	26	83
5 26	14 22.41	−17 47.6	2.433	3.374	7.5	22.2	154 E	27	82

243298 2008 EN_{82}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 6	15 3.62	−13 40.0	2.996	3.886	7.7	21.4	149 W	31	78
4 16	14 56.57	−12 50.2	2.929	3.887	5.0	21.2	160 W	32	77
4 26	14 48.51	−11 56.5	2.890	3.888	2.2	21.0	171 W	33	76
5 6	14 40.05	−11 2.0	2.883	3.888	1.6	21.0	174 E	34	75
5 16	14 31.79	−10 10.1	2.907	3.886	4.3	21.1	163 E	35	74
5 26	14 24.33	− 9 24.2	2.961	3.884	7.1	21.3	152 E	36	73
6 5	14 18.12	− 8 46.8	3.041	3.880	9.5	21.5	141 E	36	73

524392 2002 AU_5

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 6	15 6.42	−27 18.3	1.946	2.812	12.3	22.0	143 W	18	89
4 16	14 54.85	−27 15.4	1.814	2.755	9.0	21.7	155 W	18	89
4 26	14 40.35	−26 52.2	1.710	2.695	5.5	21.4	165 W	18	89
5 6	14 23.95	−26 6.6	1.636	2.632	4.4	21.2	168 E	19	90
5 16	14 7.12	−25 0.5	1.594	2.567	7.9	21.2	160 E	20	89
5 26	13 51.52	−23 40.8	1.582	2.498	12.5	21.3	148 E	21	88
6 5	13 38.48	−22 17.5	1.596	2.426	17.0	21.4	136 E	23	86

288638 2004 PJ_{32}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
4 6	15 7.07	−22 1.4	1.660	2.548	12.9	21.3	145 W	23	86
4 16	14 59.67	−21 55.3	1.567	2.520	9.1	21.0	157 W	23	86
4 26	14 49.91	−21 35.4	1.498	2.491	4.8	20.7	168 W	23	86
5 6	14 38.76	−21 2.6	1.456	2.462	2.3	20.4	174 E	24	85
5 11	14 33.06	−20 42.4	1.445	2.447	3.9	20.5	171 E	24	85
5 16	14 27.51	−20 20.5	1.441	2.431	6.2	20.6	165 E	25	84
5 21	14 22.27	−19 57.8	1.443	2.416	8.5	20.7	159 E	25	84
5 26	14 17.49	−19 35.2	1.451	2.400	10.9	20.8	153 E	25	84
5 31	14 13.30	−19 13.5	1.466	2.385	13.1	20.9	148 E	26	83
6 5	14 9.79	−18 53.5	1.485	2.369	15.3	21.0	142 E	26	83
6 10	14 7.02	−18 35.9	1.509	2.353	17.2	21.1	137 E	26	83
6 15	14 5.05	−18 21.3	1.538	2.337	19.0	21.1	131 E	27	82
6 20	14 3.89	−18 10.1	1.569	2.320	20.7	21.2	126 E	27*	82
6 25	14 3.55	−18 2.5	1.604	2.304	22.1	21.3	121 E	26*	82
6 30	14 4.01	−17 58.6	1.641	2.287	23.4	21.4	117 E	26*	82
7 5	14 5.23	−17 58.3	1.681	2.271	24.5	21.4	112 E	25*	82

488883 2005 SK_{222}

4 6	15 7.13	− 7 25.4	1.900	2.801	10.8	21.8	148 W	38	71
4 16	14 59.95	− 6 20.6	1.827	2.787	7.4	21.6	159 W	39	70
4 26	14 51.05	− 5 14.8	1.782	2.773	4.4	21.4	168 W	40	69
5 6	14 41.30	− 4 14.0	1.764	2.757	4.5	21.3	168 E	41	68
5 16	14 31.68	− 3 23.7	1.774	2.741	7.7	21.5	159 E	42	67
5 26	14 23.17	− 2 48.6	1.811	2.724	11.4	21.7	148 E	42	67

258325 2001 VB_2

4 6	15 7.83	−13 55.0	1.353	2.262	13.7	22.0	148 W	31	78
4 16	14 57.29	−13 33.0	1.268	2.237	8.9	21.7	160 W	31	78
4 26	14 43.77	−13 2.5	1.209	2.211	3.3	21.3	173 W	32	77
5 6	14 28.60	−12 27.2	1.177	2.182	3.2	21.2	173 E	33	76
5 16	14 13.51	−11 53.0	1.172	2.151	9.2	21.4	160 E	33	76
5 26	14 0.29	−11 26.7	1.193	2.117	15.0	21.6	147 E	34	75

357153 2002 CO_{23}

4 6	15 8.01	−16 2.2	2.198	3.086	10.2	21.7	147 W	29	80
4 16	15 0.72	−15 17.4	2.121	3.078	6.8	21.5	159 W	30	79
4 26	14 51.90	−14 25.2	2.071	3.068	3.1	21.2	171 W	31	78
5 6	14 42.33	−13 29.2	2.050	3.057	1.2	21.1	176 E	32	77
5 16	14 32.89	−12 33.9	2.059	3.045	5.0	21.3	165 E	32	77
5 26	14 24.46	−11 44.3	2.096	3.032	8.8	21.5	153 E	33	76

461432 2001 WT_{15}

4 6	15 9.25	−43 56.8	2.858	3.614	11.7	21.6	133 W	1	72
4 11	15 5.31	−43 57.1	2.805	3.606	10.9	21.5	137 W	1	72
4 16	15 0.85	−43 52.1	2.757	3.597	10.0	21.4	142 W	1	72
4 21	14 55.96	−43 41.5	2.714	3.588	9.1	21.4	145 W	1	72
4 26	14 50.76	−43 25.2	2.678	3.578	8.3	21.3	149 W	2	73
5 1	14 45.35	−43 3.0	2.649	3.569	7.7	21.2	152 W	2	73
5 6	14 39.86	−42 35.1	2.626	3.559	7.2	21.2	154 E	2	73
5 11	14 34.42	−42 1.6	2.610	3.549	7.0	21.2	155 E	3	74
5 16	14 29.16	−41 23.1	2.602	3.539	7.2	21.1	154 E	4	75
5 21	14 24.19	−40 40.2	2.600	3.528	7.6	21.2	152 E	4	75
5 26	14 19.63	−39 53.8	2.605	3.517	8.3	21.2	150 E	5	76
5 31	14 15.54	−39 4.8	2.617	3.506	9.2	21.2	146 E	6	77
6 5	14 11.99	−38 14.1	2.635	3.495	10.2	21.3	142 E	7	78
6 10	14 9.03	−37 22.5	2.660	3.484	11.2	21.3	138 E	8	79
6 15	14 6.68	−36 31.1	2.689	3.472	12.2	21.4	134 E	8	79
6 20	14 4.97	−35 40.6	2.724	3.460	13.1	21.4	129 E	9*	80
6 25	14 3.88	−34 51.7	2.764	3.448	14.0	21.5	125 E	10*	81

229986 1999 XZ_{121}

4 6	15 9.94	−24 59.2	1.822	2.694	12.7	21.7	144 W	20	89
4 16	15 2.02	−24 51.4	1.734	2.676	9.2	21.4	155 W	20	89
4 26	14 51.92	−24 27.7	1.670	2.657	5.4	21.2	166 W	21	88
5 6	14 40.61	−23 49.0	1.634	2.637	3.0	21.0	172 E	21	88
5 16	14 29.30	−22 58.6	1.626	2.616	5.7	21.1	165 E	22	87
5 26	14 19.26	−22 2.8	1.645	2.594	9.8	21.3	154 E	23	86
6 5	14 11.43	−21 8.6	1.688	2.571	13.8	21.5	143 E	24	85

306664 2000 SP_{266}

4 6	15 10.22	−10 45.0	1.517	2.420	12.9	21.3	147 W	34	75
4 16	15 4.00	− 9 51.9	1.424	2.386	8.9	21.0	158 W	35	74
4 26	14 55.38	− 8 52.8	1.356	2.351	4.8	20.6	169 W	36	73
5 6	14 45.25	− 7 53.7	1.314	2.316	3.8	20.5	171 E	37	72
5 11	14 39.99	− 7 26.2	1.303	2.298	5.6	20.5	167 E	38	71
5 16	14 34.83	− 7 1.3	1.298	2.280	7.9	20.6	162 E	38	71
5 21	14 29.94	− 6 39.9	1.299	2.262	10.4	20.7	156 E	38	71
5 26	14 25.46	− 6 22.6	1.306	2.244	12.8	20.8	151 E	39	70
5 31	14 21.53	− 6 10.0	1.318	2.226	15.2	20.9	145 E	39	70
6 5	14 18.24	− 6 2.3	1.335	2.208	17.4	21.0	140 E	39	70

306664 2000 SP_{266} *(continuation)*

6 10	14 15.67	− 5 59.7	1.357	2.189	19.4	21.0	134 E	39	70
6 15	14 13.89	− 6 2.4	1.382	2.171	21.3	21.1	129 E	39	70
6 20	14 12.91	− 6 10.1	1.410	2.152	23.0	21.2	124 E	39*	70
6 25	14 12.75	− 6 22.7	1.441	2.134	24.5	21.3	120 E	38*	70
6 30	14 13.38	− 6 39.9	1.474	2.115	25.8	21.3	115 E	37*	71
7 5	14 14.81	− 7 1.3	1.508	2.097	26.9	21.4	111 E	36*	71
7 10	14 16.99	− 7 26.6	1.544	2.079	27.9	21.5	107 E	35*	71

369995 1999 RV_{195}

4 6	15 11.27	−23 25.4	2.790	3.648	9.3	21.4	144 W	22	87
4 16	15 4.84	−22 59.0	2.693	3.628	6.7	21.2	155 W	22	87
4 26	14 57.04	−22 22.3	2.622	3.608	3.8	20.9	166 W	23	86
5 6	14 48.49	−21 36.8	2.581	3.587	1.5	20.7	175 E	23	86
5 16	14 39.89	−20 45.3	2.570	3.565	3.4	20.8	168 E	24	85
5 26	14 31.97	−19 51.6	2.588	3.542	6.5	21.0	157 E	25	84
6 5	14 25.34	−19 0.0	2.633	3.518	9.4	21.2	146 E	26	83
6 15	14 20.42	−18 14.2	2.702	3.494	11.9	21.3	135 E	27	82
6 25	14 17.47	−17 36.9	2.790	3.468	14.0	21.4	125 E	27*	82

306678 2000 UK

4 6	15 14.47	−51 34.1	2.892	3.583	12.9	21.5	127 W	—	64
4 11	15 9.45	−52 2.4	2.862	3.595	12.2	21.5	131 W	—	64
4 16	15 3.79	−52 24.9	2.836	3.607	11.5	21.5	134 W	—	64
4 21	14 57.59	−52 41.3	2.816	3.618	10.9	21.4	137 W	—	63
4 26	14 51.01	−52 51.1	2.801	3.629	10.3	21.4	140 W	—	63
5 1	14 44.18	−52 54.1	2.793	3.640	9.8	21.4	142 W	—	63
5 6	14 37.28	−52 50.2	2.790	3.651	9.5	21.4	144 E	—	63
5 11	14 30.48	−52 39.7	2.794	3.662	9.3	21.4	144 E	—	63
5 16	14 23.93	−52 22.9	2.804	3.672	9.3	21.4	144 E	—	64
5 21	14 17.80	−52 0.5	2.820	3.682	9.4	21.4	143 E	—	64
5 26	14 12.21	−51 33.4	2.843	3.692	9.8	21.4	142 E	—	64
5 31	14 7.25	−51 2.4	2.871	3.702	10.2	21.5	140 E	—	65

459462 2013 AY_{52}

4 6	15 15.27	+19 43.1	0.986	1.853	21.4	22.3	138 W	65	44
4 11	15 9.15	+21 16.0	0.956	1.839	20.6	22.1	140 W	66	43
4 16	15 1.77	+22 43.1	0.932	1.825	20.2	22.1	141 W	68	41
4 21	14 53.27	+24 0.9	0.912	1.810	20.2	22.0	141 W	69	40
4 26	14 43.87	+25 6.4	0.897	1.794	20.8	22.0	141 W	70	39
5 1	14 33.85	+25 56.9	0.888	1.776	21.8	21.9	139 W	71	38
5 6	14 23.53	+26 30.5	0.884	1.758	23.3	22.0	136 E	72	37
5 11	14 13.27	+26 45.8	0.884	1.739	25.0	22.0	133 E	72	37
5 16	14 3.45	+26 42.9	0.888	1.719	27.0	22.0	130 E	72	37
5 21	13 54.38	+26 22.4	0.896	1.698	29.0	22.1	126 E	71	38
5 26	13 46.31	+25 45.9	0.906	1.675	31.0	22.1	121 E	71	38
5 31	13 39.38	+24 55.4	0.920	1.652	33.0	22.2	117 E	70	39

220452 2003 YN_{117}

4 6	15 15.32	−24 13.8	1.788	2.655	13.2	21.3	143 W	21	88
4 16	15 7.30	−24 18.4	1.698	2.637	9.6	21.1	154 W	21	88
4 26	14 56.89	−24 8.7	1.633	2.618	5.6	20.8	165 W	21	88
5 6	14 45.08	−23 44.7	1.595	2.598	2.9	20.6	173 E	21	88
5 16	14 33.11	−23 8.9	1.585	2.578	5.5	20.7	166 E	22	87
5 26	14 22.32	−22 26.8	1.603	2.556	9.7	20.9	155 E	23	86
6 5	14 13.73	−21 44.9	1.644	2.533	13.8	21.1	144 E	23	86
6 15	14 8.01	−21 9.2	1.706	2.509	17.3	21.3	133 E	24	85
6 25	14 5.41	−20 44.4	1.783	2.484	20.2	21.4	123 E	24*	85

524198 2001 QC_{333}

4 6	15 19.06	−19 34.1	1.324	2.211	15.6	21.5	144 W	25	84
4 16	15 13.29	−19 41.5	1.231	2.180	11.4	21.1	155 W	25	84
4 26	15 4.44	−19 38.0	1.158	2.149	6.4	20.8	166 W	25	84
5 6	14 53.42	−19 23.8	1.110	2.118	1.4	20.3	177 W	26	83
5 11	14 47.53	−19 13.4	1.095	2.102	2.8	20.4	174 E	26	83
5 16	14 41.66	−19 1.6	1.086	2.087	5.6	20.5	168 E	26	83
5 21	14 36.04	−18 49.2	1.084	2.071	8.5	20.6	162 E	26	83
5 26	14 30.86	−18 37.0	1.087	2.055	11.4	20.7	156 E	26	83
5 31	14 26.31	−18 25.9	1.095	2.040	14.2	20.8	151 E	27	82
6 5	14 22.50	−18 16.6	1.108	2.024	16.8	20.9	145 E	27	82
6 10	14 19.56	−18 9.9	1.126	2.009	19.2	21.0	139 E	27	82
6 15	14 17.54	−18 6.3	1.148	1.993	21.4	21.1	134 E	27	82
6 20	14 16.51	−18 6.3	1.172	1.978	23.5	21.2	129 E	27*	82
6 25	14 16.44	−18 10.1	1.200	1.963	25.3	21.3	124 E	27*	82
6 30	14 17.33	−18 17.6	1.230	1.948	26.9	21.4	120 E	26*	82
7 5	14 19.15	−18 28.9	1.262	1.933	28.3	21.5	116 E	25*	82

316781 1999 TJ_{150}

4 6	15 20.73	−15 34.1	1.428	2.315	14.7	21.2	144 W	29	80
4 16	15 15.06	−14 45.2	1.337	2.288	10.5	20.9	155 W	30	79
4 26	15 6.68	−13 45.0	1.270	2.262	5.7	20.5	167 W	31	78
5 6	14 56.51	−12 38.1	1.227	2.235	1.8	20.2	176 W	32	77

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
316781 1999 TJ_{150} *(continuation)*									
5 11	14 51.13	−12 4.2	1.216	2.221	3.4	20.3	172 E	33	76
5 16	14 45.81	−11 31.3	1.210	2.207	6.0	20.4	167 E	33	76
5 21	14 40.72	−11 0.4	1.212	2.193	8.7	20.5	161 E	34	75
5 26	14 36.05	−10 32.6	1.219	2.179	11.4	20.6	155 E	34	75
5 31	14 31.92	−10 8.5	1.231	2.165	13.9	20.7	149 E	35	74
6 5	14 28.44	− 9 48.8	1.249	2.150	16.3	20.8	143 E	35	74
6 10	14 25.72	− 9 33.9	1.271	2.136	18.6	20.9	138 E	35	74
6 15	14 23.80	− 9 24.2	1.297	2.121	20.6	21.0	133 E	36	73
6 20	14 22.73	− 9 19.6	1.326	2.107	22.4	21.1	128 E	36	73
6 25	14 22.50	− 9 20.1	1.358	2.092	24.1	21.2	123 E	36*	73
6 30	14 23.09	− 9 25.5	1.393	2.078	25.5	21.3	118 E	35*	73
7 5	14 24.50	− 9 35.4	1.429	2.063	26.8	21.4	114 E	34*	74
7 10	14 26.69	− 9 49.6	1.467	2.049	27.8	21.4	110 E	33*	74
7 15	14 29.63	−10 7.6	1.506	2.034	28.7	21.5	106 E	32*	74
399575 2003 ST_{258}									
4 6	15 22.29	−15 41.3	1.588	2.467	13.9	21.4	144 W	29	80
4 16	15 16.68	−15 13.4	1.487	2.433	10.1	21.0	155 W	30	79
4 26	15 8.48	−14 36.6	1.409	2.399	5.6	20.7	167 W	30	79
5 6	14 58.47	−13 54.1	1.357	2.365	1.3	20.3	177 W	31	78
5 11	14 53.12	−13 32.0	1.341	2.347	2.6	20.4	174 E	31	78
5 16	14 47.78	−13 10.3	1.331	2.330	5.1	20.5	168 E	32	77
5 21	14 42.62	−12 49.9	1.328	2.312	7.7	20.6	162 E	32	77
5 26	14 37.79	−12 31.4	1.331	2.294	10.3	20.7	156 E	32	77
5 31	14 33.44	−12 15.7	1.340	2.277	12.7	20.8	150 E	33	76
6 5	14 29.69	−12 3.1	1.354	2.259	15.1	20.9	145 E	33	76
6 10	14 26.62	−11 54.2	1.373	2.241	17.3	21.0	139 E	33	76
6 15	14 24.32	−11 49.4	1.396	2.223	19.3	21.0	134 E	33	76
6 20	14 22.82	−11 48.7	1.422	2.205	21.1	21.1	129 E	33	76
6 25	14 22.14	−11 52.3	1.452	2.187	22.7	21.2	124 E	33*	76
6 30	14 22.28	−12 0.1	1.484	2.169	24.2	21.3	119 E	32*	76
7 5	14 23.22	−12 11.8	1.519	2.151	25.5	21.3	115 E	31*	76
7 10	14 24.95	−12 27.2	1.555	2.133	26.6	21.4	110 E	30*	76
7 15	14 27.44	−12 46.3	1.592	2.114	27.5	21.5	106 E	29*	77
364762 2007 XC_{10}									
4 6	15 25.24	−69 41.9	1.321	1.937	28.5	22.5	112 W	—	46
4 11	15 14.54	−69 36.8	1.271	1.931	27.9	22.4	116 W	—	46
4 16	15 1.60	−69 14.7	1.223	1.924	27.1	22.3	119 W	—	47
4 21	14 47.10	−68 31.8	1.178	1.917	26.2	22.2	123 W	—	47
4 26	14 31.99	−67 25.1	1.136	1.909	25.3	22.0	126 W	—	49
5 1	14 17.22	−65 52.4	1.098	1.901	24.3	21.9	129 E	—	50
5 6	14 3.63	−63 52.9	1.064	1.892	23.4	21.8	132 E	—	52
5 11	13 51.88	−61 27.1	1.035	1.883	22.6	21.7	134 E	—	55
5 16	13 42.29	−58 37.1	1.012	1.874	22.1	21.7	136 E	—	57
5 21	13 34.98	−55 26.7	0.995	1.864	22.0	21.6	136 E	—	61
5 26	13 29.84	−52 0.7	0.986	1.854	22.2	21.6	136 E	—	64
509985 2009 UE_{51}									
4 6	15 25.66	−20 48.7	1.160	2.042	17.7	21.4	142 W	24	85
4 16	15 18.44	−19 13.5	1.110	2.058	12.5	21.1	154 W	26	83
4 26	15 8.43	−17 19.4	1.083	2.074	6.6	20.9	166 W	28	81
5 6	14 57.06	−15 15.1	1.080	2.089	0.8	20.5	178 W	30	79
5 16	14 45.98	−13 12.7	1.104	2.103	5.9	20.9	168 E	32	77
5 26	14 36.74	−11 24.7	1.152	2.116	11.5	21.2	155 E	34	75
6 5	14 30.30	− 9 59.6	1.223	2.129	16.3	21.6	144 E	35	74
333358 2001 WN_1									
4 6	15 26.57	−31 16.5	1.017	1.881	21.1	21.9	138 W	14	85
4 11	15 22.99	−30 53.4	0.971	1.871	18.8	21.8	143 W	14	85
4 16	15 18.17	−30 20.3	0.929	1.861	16.2	21.6	149 W	15	86
4 21	15 12.22	−29 36.2	0.892	1.850	13.4	21.4	155 W	15	86
4 26	15 5.29	−28 40.5	0.859	1.839	10.5	21.2	161 W	16	87
5 1	14 57.62	−27 33.1	0.833	1.827	7.6	21.0	166 W	17	88
5 6	14 49.47	−26 14.5	0.812	1.815	5.4	20.8	170 E	19	90
5 11	14 41.17	−24 46.2	0.798	1.802	5.5	20.7	170 E	20	89
5 16	14 33.08	−23 10.7	0.790	1.788	7.9	20.8	166 E	22	87
5 21	14 25.53	−21 31.0	0.788	1.774	11.2	20.9	160 E	23	86
5 26	14 18.80	−19 50.5	0.793	1.759	14.8	21.0	154 E	25	84
5 31	14 13.08	−18 12.4	0.802	1.744	18.2	21.2	147 E	27	82
6 5	14 8.52	−16 39.3	0.816	1.728	21.6	21.3	141 E	28	81
6 10	14 5.17	−15 13.4	0.834	1.712	24.7	21.4	135 E	30	79
455211 2001 MS_{18}									
4 6	15 29.04	−20 55.1	1.514	2.377	15.4	21.4	141 W	24	85
4 16	15 23.88	−20 27.6	1.409	2.343	11.6	21.1	152 W	25	84
4 26	15 15.82	−19 45.1	1.325	2.309	7.0	20.7	164 W	25	84
5 6	15 5.62	−18 48.9	1.267	2.274	1.8	20.3	176 W	26	83
5 11	15 0.07	−18 16.8	1.247	2.256	1.2	20.2	177 E	27	82
5 16	14 54.48	−17 43.1	1.234	2.239	3.9	20.4	171 E	27	82

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
455211 2001 MS_{18} *(continuation)*									
5 21	14 49.02	−17 8.8	1.227	2.221	6.7	20.5	165 E	28	81
5 26	14 43.89	−16 35.0	1.227	2.203	9.5	20.6	159 E	28	81
5 31	14 39.25	−16 2.6	1.232	2.184	12.2	20.7	153 E	29	80
6 5	14 35.22	−15 32.6	1.243	2.166	14.8	20.8	147 E	29	80
6 10	14 31.92	−15 5.9	1.259	2.148	17.2	20.9	141 E	30	79
6 15	14 29.43	−14 43.1	1.279	2.129	19.4	21.0	136 E	30	79
6 20	14 27.81	−14 24.8	1.303	2.111	21.4	21.0	131 E	31	78
6 25	14 27.07	−14 11.2	1.330	2.092	23.2	21.1	126 E	31*	78
6 30	14 27.20	−14 2.3	1.359	2.074	24.9	21.2	121 E	30*	78
7 5	14 28.19	−13 58.1	1.391	2.055	26.3	21.3	116 E	30*	78
7 10	14 30.02	−13 58.5	1.425	2.036	27.6	21.3	112 E	29*	78
7 15	14 32.66	−14 3.1	1.459	2.018	28.7	21.4	108 E	28*	78
7 20	14 36.08	−14 11.8	1.495	1.999	29.6	21.5	104 E	27*	78
471323 2011 KW_{15}									
4 6	15 37.29	−60 53.7	0.970	1.689	31.5	21.8	118 W	—	55
4 8	15 34.36	−61 23.3	0.951	1.684	31.2	21.8	119 W	—	55
4 10	15 30.91	−61 51.5	0.932	1.679	31.0	21.7	120 W	—	54
4 12	15 26.94	−62 18.2	0.914	1.674	30.7	21.6	122 W	—	54
4 14	15 22.43	−62 43.0	0.897	1.668	30.4	21.6	123 W	—	53
4 16	15 17.35	−63 5.7	0.879	1.663	30.1	21.5	124 W	—	53
4 21	15 2.23	−63 50.6	0.838	1.648	29.3	21.4	127 W	—	52
4 26	14 43.88	−64 14.1	0.799	1.631	28.7	21.2	129 W	—	52
5 1	14 23.02	−64 10.3	0.764	1.614	28.2	21.1	131 E	—	52
5 6	14 0.92	−63 34.2	0.732	1.595	28.0	21.0	132 E	—	52
5 11	13 39.18	−62 22.9	0.705	1.575	28.2	20.9	133 E	—	54
5 16	13 19.34	−60 36.8	0.681	1.553	28.8	20.8	132 E	—	55
5 21	13 2.48	−58 19.5	0.661	1.531	29.8	20.7	131 E	—	58
5 26	12 49.08	−55 36.7	0.646	1.507	31.4	20.7	129 E	—	60
5 31	12 39.13	−52 34.8	0.634	1.481	33.4	20.7	126 E	—	63
6 5	12 32.38	−49 20.4	0.626	1.454	35.8	20.7	123 E	—	67
6 10	12 28.47	−45 59.6	0.621	1.426	38.4	20.7	119 E	—	70
6 15	12 26.99	−42 37.9	0.619	1.397	41.2	20.7	115 E	—	73
6 20	12 27.55	−39 19.4	0.620	1.366	44.1	20.7	111 E	2*	77
6 25	12 29.79	−36 7.0	0.622	1.333	47.0	20.8	106 E	4*	80
6 30	12 33.42	−33 2.2	0.625	1.300	49.9	20.8	102 E	5*	83
7 5	12 38.20	−30 5.6	0.629	1.264	52.9	20.8	98 E	7*	86
7 10	12 43.95	−27 17.3	0.633	1.228	55.8	20.9	93 E	8*	86*
7 15	12 50.49	−24 36.6	0.637	1.190	58.7	20.9	89 E	9*	83*
7 20	12 57.66	−22 2.2	0.639	1.151	61.6	20.9	85 E	10*	79*
7 25	13 5.30	−19 32.4	0.640	1.110	64.6	20.9	81 E	12*	75*
7 30	13 13.25	−17 4.8	0.639	1.068	67.7	21.0	77 E	13*	71*
8 4	13 21.39	−14 37.2	0.635	1.026	70.9	21.0	73 E	14*	67*
8 9	13 29.54	−12 7.0	0.630	0.982	74.4	21.0	69 E	16*	62*
8 14	13 37.48	− 9 31.1	0.621	0.937	78.2	21.0	65 E	17*	58*
8 19	13 44.94	− 6 46.1	0.610	0.892	82.4	21.0	61 E	19*	54*
8 24	13 51.55	− 3 48.4	0.596	0.847	87.1	21.0	57 E	21*	49*
8 29	13 56.82	− 0 34.4	0.580	0.802	92.4	21.0	53 E	22*	44*
9 3	14 0.12	+ 2 58.6	0.562	0.759	98.4	21.1	48 E	24*	38*
9 8	14 0.62	+ 6 51.5	0.544	0.718	105.1	21.2	43 E	25*	31*
9 13	13 57.27	+11 0.8	0.527	0.680	112.3	21.5	39 E	26*	24*
430973 2005 WT_{91}									
4 6	15 38.26	−13 39.1	1.346	2.210	16.8	21.3	140 W	31	78
4 16	15 31.72	−13 45.6	1.259	2.194	12.6	21.0	152 W	31	78
4 26	15 21.84	−13 49.0	1.194	2.177	7.6	20.6	163 W	31	78
5 6	15 9.52	−13 51.1	1.153	2.159	2.3	20.2	175 W	31	78
5 11	15 2.86	−13 52.3	1.142	2.150	2.1	20.2	176 E	31	78
5 16	14 56.16	−13 54.2	1.138	2.141	4.6	20.3	170 E	31	78
5 21	14 49.64	−13 57.3	1.140	2.131	7.5	20.5	164 E	31	78
5 26	14 43.52	−14 1.9	1.148	2.122	10.3	20.6	158 E	31	78
5 31	14 37.95	−14 8.7	1.162	2.112	13.0	20.7	152 E	31	78
6 5	14 33.10	−14 17.7	1.182	2.102	15.6	20.8	146 E	31	78
6 10	14 29.07	−14 29.5	1.206	2.092	18.0	20.9	141 E	31	78
6 15	14 25.94	−14 44.1	1.234	2.081	20.1	21.1	135 E	30	79
6 20	14 23.76	−15 1.8	1.267	2.071	22.1	21.2	130 E	30	79
6 25	14 22.52	−15 22.6	1.302	2.060	23.8	21.3	125 E	29*	79
6 30	14 22.21	−15 46.3	1.340	2.050	25.4	21.4	120 E	29*	80
7 5	14 22.81	−16 12.7	1.379	2.039	26.7	21.4	116 E	28*	80
523668 2012 UV_{27}									
4 6	15 40.68	−31 27.4	0.714	1.587	26.6	21.2	135 W	14	85
4 11	15 45.23	−32 25.2	0.661	1.558	25.4	20.9	138 W	13	84
4 16	15 49.21	−33 22.9	0.611	1.530	24.1	20.7	142 W	12	83
4 21	15 52.58	−34 20.2	0.564	1.502	22.6	20.4	145 W	11	82
4 26	15 55.31	−35 16.6	0.520	1.474	21.0	20.2	148 W	10	81
5 1	15 57.38	−36 11.4	0.480	1.447	19.3	19.9	152 W	9	80
5 6	15 58.76	−37 3.7	0.442	1.421	17.7	19.6	155 W	8	79
5 11	15 59.48	−37 52.2	0.408	1.395	16.2	19.4	157 W	7	78
5 16	15 59.62	−38 35.3	0.377	1.371	15.0	19.1	159 W	6	77

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
523668 2012 UV_{27} *(continuation)*									
5 21	15 59.38	−39 11.7	0.349	1.347	14.3	18.9	161 W	6	77
5 26	15 58.99	−39 39.7	0.324	1.324	14.2	18.7	161 E	5	76
5 31	15 58.73	−39 57.9	0.302	1.302	15.0	18.5	161 E	5	76
6 5	15 58.91	−40 4.7	0.282	1.282	16.3	18.4	159 E	5	76
6 10	15 59.96	−39 58.7	0.264	1.263	18.2	18.3	157 E	5	76
6 15	16 2.32	−39 39.2	0.249	1.246	20.3	18.2	155 E	5	76
6 20	16 6.42	−39 5.8	0.236	1.230	22.5	18.1	152 E	6	77
6 25	16 12.59	−38 18.2	0.225	1.217	24.7	18.0	150 E	7	78
6 30	16 21.01	−37 15.9	0.216	1.205	26.6	18.0	148 E	8	79
7 5	16 31.76	−35 58.2	0.208	1.195	28.3	17.9	146 E	9	80
7 10	16 44.83	−34 25.0	0.203	1.188	29.6	17.9	145 E	11	82
7 15	17 0.07	−32 36.5	0.199	1.183	30.7	17.9	144 E	12	83
7 20	17 17.16	−30 34.1	0.198	1.180	31.4	17.9	143 E	14	85
7 25	17 35.62	−28 19.6	0.199	1.179	31.8	17.9	142 E	17	88
7 30	17 54.87	−25 56.4	0.202	1.181	32.0	17.9	142 E	19	90
8 4	18 14.40	−23 29.0	0.208	1.185	32.0	18.0	142 E	22	87
8 9	18 33.78	−21 2.4	0.217	1.191	32.0	18.1	141 E	24	85
8 14	18 52.67	−18 41.2	0.229	1.200	32.0	18.3	141 E	26	83
8 19	19 10.85	−16 29.1	0.244	1.211	31.9	18.4	141 E	29	80
8 24	19 28.14	−14 28.3	0.262	1.223	32.0	18.6	140 E	31	78
8 29	19 44.46	−12 40.0	0.282	1.238	32.1	18.8	139 E	32	77
9 3	19 59.85	−11 4.1	0.306	1.255	32.2	19.0	138 E	34	75
9 13	20 28.18	− 8 26.0	0.362	1.292	32.6	19.4	136 E	37	72
9 23	20 53.84	− 6 22.7	0.430	1.336	33.2	19.9	133 E	39	70
10 3	21 17.45	− 4 42.7	0.510	1.383	33.8	20.3	130 E	40	69
10 8	21 28.68	− 3 58.2	0.554	1.409	34.1	20.6	128 E	41	68
10 13	21 39.62	− 3 16.1	0.601	1.435	34.3	20.8	126 E	42	67
10 18	21 50.31	− 2 35.3	0.650	1.461	34.5	21.0	124 E	42	67
10 23	22 0.78	− 1 55.4	0.703	1.489	34.7	21.2	122 E	43	66
10 28	22 11.05	− 1 16.0	0.758	1.516	34.8	21.4	119 E	44	65
187737 2153 *P–L*									
4 6	15 48.25	−21 58.6	1.447	2.279	17.6	21.2	136 W	23	86
4 16	15 44.59	−21 53.1	1.340	2.250	14.1	20.9	147 W	23	86
4 26	15 37.62	−21 35.1	1.253	2.220	9.6	20.6	158 W	23	86
5 6	15 27.91	−21 4.2	1.189	2.190	4.5	20.2	170 W	24	85
5 11	15 22.35	−20 44.2	1.166	2.175	1.8	19.9	176 W	24	85
5 16	15 16.55	−20 21.8	1.149	2.159	1.7	19.9	176 E	25	84
5 21	15 10.74	−19 57.7	1.139	2.144	4.4	20.0	171 E	25	84
5 26	15 5.11	−19 32.9	1.135	2.128	7.3	20.1	165 E	25	84
5 31	14 59.86	−19 8.1	1.137	2.113	10.2	20.3	158 E	26	83
6 5	14 55.17	−18 44.4	1.144	2.097	12.9	20.4	153 E	26	83
6 10	14 51.16	−18 22.6	1.157	2.082	15.5	20.5	147 E	27	82
6 15	14 47.98	−18 3.6	1.174	2.066	18.0	20.6	141 E	27	82
6 20	14 45.68	−17 48.1	1.196	2.050	20.2	20.7	136 E	27	82
6 25	14 44.31	−17 36.5	1.221	2.035	22.3	20.7	131 E	27	82
6 30	14 43.87	−17 28.9	1.249	2.019	24.1	20.8	126 E	27*	81
7 5	14 44.36	−17 25.4	1.279	2.003	25.8	20.9	121 E	27*	81
7 10	14 45.76	−17 26.1	1.312	1.988	27.2	21.0	117 E	27*	81
7 15	14 48.05	−17 30.8	1.346	1.972	28.5	21.1	112 E	26*	82
7 20	14 51.18	−17 39.2	1.382	1.956	29.5	21.1	108 E	25*	82
7 25	14 55.10	−17 51.0	1.418	1.941	30.4	21.2	105 E	24*	82
7 30	14 59.78	−18 5.7	1.455	1.926	31.2	21.3	101 E	23*	82
8 4	15 5.17	−18 23.1	1.492	1.910	31.8	21.3	97 E	22*	82
8 9	15 11.24	−18 42.7	1.530	1.895	32.2	21.4	94 E	22*	83
8 14	15 17.95	−19 4.2	1.567	1.880	32.6	21.4	91 E	21*	82*
8 19	15 25.27	−19 27.1	1.604	1.865	32.8	21.5	88 E	20*	81*
8 24	15 33.17	−19 50.9	1.640	1.851	33.0	21.5	85 E	20*	78*
524395 2002 AW_{17}									
4 6	15 52.95	+10 49.5	2.334	3.109	13.5	21.5	134 W	56	53
4 11	15 50.59	+11 37.7	2.292	3.102	12.7	21.4	137 W	57	52
4 16	15 47.67	+12 24.3	2.256	3.096	11.9	21.3	140 W	57	52
4 21	15 44.25	+13 8.4	2.225	3.089	11.2	21.3	143 W	58	51
4 26	15 40.39	+13 49.0	2.200	3.081	10.7	21.2	145 W	59	50
5 1	15 36.15	+14 25.2	2.182	3.074	10.4	21.2	147 W	59	50
5 6	15 31.63	+14 56.3	2.170	3.066	10.3	21.2	147 W	60	49
5 11	15 26.92	+15 21.6	2.164	3.058	10.5	21.2	147 W	60	49
5 16	15 22.13	+15 40.5	2.164	3.049	10.9	21.2	145 E	61	48
5 21	15 17.37	+15 52.6	2.170	3.041	11.5	21.2	143 E	61	48
5 26	15 12.75	+15 57.8	2.182	3.032	12.3	21.2	140 E	61	48
5 31	15 8.37	+15 56.2	2.200	3.023	13.2	21.3	137 E	61	48
6 5	15 4.31	+15 48.0	2.223	3.013	14.1	21.3	134 E	61	48
6 10	15 0.65	+15 33.4	2.251	3.003	15.1	21.4	130 E	61	48
6 15	14 57.46	+15 12.9	2.283	2.993	16.0	21.4	126 E	60	49
6 20	14 54.78	+14 47.1	2.319	2.983	16.8	21.5	122 E	60	49
541071 2018 NB_{15}									
4 6	15 56.18	−17 21.9	1.233	2.069	19.8	21.4	135 W	28	81
4 16	15 54.19	−17 47.1	1.123	2.032	16.2	21.1	146 W	27	82
4 26	15 48.44	−18 9.8	1.032	1.996	11.5	20.7	157 W	27	82
5 6	15 39.19	−18 30.0	0.961	1.960	5.9	20.2	169 W	26	83

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
541071 2018 NB_{15} *(continuation)*									
5 11	15 33.51	−18 39.0	0.934	1.942	2.8	20.0	175 W	26	83
5 16	15 27.36	−18 47.6	0.913	1.924	0.5	19.7	179 E	26	83
5 21	15 20.99	−18 55.8	0.897	1.906	3.8	19.9	173 E	26	83
5 26	15 14.63	−19 4.0	0.888	1.888	7.1	20.0	167 E	26	83
5 31	15 8.55	−19 12.6	0.884	1.870	10.4	20.2	160 E	26	83
6 5	15 2.96	−19 22.0	0.885	1.853	13.7	20.3	154 E	26	83
6 10	14 58.10	−19 32.8	0.891	1.835	16.8	20.4	149 E	25	84
6 15	14 54.14	−19 45.6	0.901	1.818	19.7	20.5	143 E	25	84
6 25	14 49.37	−20 18.7	0.932	1.784	24.8	20.7	132 E	25	84
7 5	14 49.11	−21 3.2	0.975	1.752	29.1	20.8	123 E	24*	85
7 15	14 53.37	−21 59.3	1.025	1.720	32.4	21.0	115 E	22*	86
7 25	15 1.88	−23 5.3	1.080	1.691	35.0	21.1	108 E	20*	87
8 4	15 14.24	−24 18.3	1.138	1.663	36.8	21.3	101 E	18*	88
8 14	15 30.12	−25 34.8	1.196	1.637	38.0	21.4	95 E	16*	89*
8 24	15 49.19	−26 50.6	1.255	1.614	38.8	21.5	90 E	14*	84*
310435 2000 AV_{156}									
4 6	15 56.81	−12 51.3	2.208	3.008	13.4	21.4	136 W	32	77
4 16	15 51.98	−12 28.3	2.097	2.987	10.6	21.2	147 W	33	76
4 26	15 44.89	−12 2.3	2.008	2.964	7.4	20.9	158 W	33	76
5 6	15 36.00	−11 35.4	1.946	2.941	4.0	20.7	168 W	33	76
5 16	15 26.05	−11 10.3	1.912	2.916	2.7	20.5	172 E	34	75
5 26	15 16.00	−10 50.3	1.906	2.891	5.8	20.7	163 E	34	75
6 5	15 6.78	−10 38.2	1.928	2.865	9.5	20.8	152 E	34	75
6 15	14 59.21	−10 36.5	1.975	2.838	13.0	21.0	141 E	34	75
6 25	14 53.85	−10 46.1	2.041	2.811	15.9	21.2	131 E	34	75
7 5	14 50.96	−11 7.2	2.123	2.782	18.3	21.3	121 E	34*	75
7 15	14 50.61	−11 39.0	2.217	2.753	20.1	21.4	111 E	32*	76
285631 2000 RB_{84}									
4 6	16 6.39	−18 10.9	2.124	2.900	14.6	21.5	133 W	27	82
4 16	16 2.33	−17 36.9	2.012	2.884	11.9	21.2	144 W	27	82
4 26	15 55.82	−16 55.0	1.922	2.866	8.5	21.0	155 W	28	81
5 6	15 47.32	−16 6.9	1.857	2.848	4.7	20.7	167 W	29	80
5 16	15 37.58	−15 15.2	1.819	2.829	1.5	20.5	176 W	30	79
5 21	15 32.54	−14 49.2	1.811	2.819	2.5	20.5	173 E	30	79
5 26	15 27.57	−14 24.0	1.810	2.808	4.4	20.6	168 E	31	78
5 31	15 22.79	−14 0.0	1.816	2.798	6.5	20.7	162 E	31	78
6 5	15 18.31	−13 37.8	1.829	2.787	8.5	20.8	156 E	31	78
6 10	15 14.24	−13 17.9	1.848	2.777	10.4	20.9	150 E	32	77
6 15	15 10.66	−13 0.8	1.873	2.766	12.2	21.0	145 E	32	77
6 20	15 7.65	−12 46.6	1.904	2.754	13.9	21.1	139 E	32	77
6 25	15 5.25	−12 35.7	1.939	2.743	15.5	21.2	134 E	32	77
6 30	15 3.48	−12 28.1	1.978	2.731	16.9	21.3	129 E	33	76
7 5	15 2.36	−12 23.8	2.020	2.719	18.1	21.3	124 E	32*	76
7 10	15 1.89	−12 22.8	2.066	2.707	19.2	21.4	119 E	32*	76
7 15	15 2.07	−12 24.9	2.115	2.695	20.1	21.5	114 E	31*	76
482084 2010 FL_6									
4 6	16 13.03	−15 38.1	1.231	2.039	21.5	21.4	132 W	29	80
4 16	16 8.58	−15 53.0	1.185	2.073	17.2	21.3	142 W	29	80
4 26	16 0.58	−16 4.8	1.157	2.108	12.1	21.1	154 W	29	80
5 6	15 49.97	−16 14.0	1.150	2.143	6.5	20.9	166 W	29	80
5 16	15 38.13	−16 21.8	1.167	2.177	1.5	20.6	177 W	29	80
5 26	15 26.73	−16 30.4	1.210	2.212	5.2	21.0	169 E	28	81
6 5	15 17.16	−16 42.3	1.277	2.247	10.2	21.3	157 E	28	81
6 15	15 10.35	−16 59.7	1.367	2.281	14.4	21.7	146 E	28	81
138937 2001 BK_{16}									
4 6	16 15.98	+24 3.7	1.546	2.256	21.8	21.4	123 W	69	40
4 11	16 13.60	+25 18.7	1.479	2.218	21.5	21.2	126 W	70	39
4 16	16 10.12	+26 33.2	1.417	2.180	21.3	21.1	128 W	72	37
4 21	16 5.47	+27 45.5	1.358	2.142	21.3	21.0	129 W	73	36
4 26	15 59.62	+28 53.4	1.304	2.102	21.3	20.8	131 W	74	35
5 1	15 52.56	+29 54.7	1.254	2.062	21.6	20.7	131 W	75	34
5 6	15 44.33	+30 46.8	1.209	2.021	22.1	20.6	131 W	76	33
5 11	15 35.02	+31 27.0	1.168	1.979	22.9	20.5	130 W	76	33
5 16	15 24.82	+31 52.5	1.132	1.936	23.9	20.4	129 E	77	32
5 21	15 13.97	+32 1.2	1.101	1.892	25.2	20.4	127 E	77	32
5 26	15 2.76	+31 51.3	1.074	1.848	26.8	20.3	125 E	77	32
5 31	14 51.52	+31 22.0	1.051	1.803	28.6	20.2	122 E	76	33
6 5	14 40.57	+30 32.9	1.031	1.757	30.6	20.2	118 E	76	33
6 10	14 30.21	+29 24.6	1.015	1.710	32.7	20.2	115 E	74	35
6 15	14 20.70	+27 58.0	1.002	1.662	34.8	20.1	111 E	73	36
6 20	14 12.21	+26 14.9	0.991	1.613	37.1	20.1	107 E	71*	38
6 25	14 4.87	+24 17.1	0.982	1.563	39.3	20.1	103 E	68*	40
6 30	13 58.70	+22 6.4	0.974	1.513	41.6	20.1	99 E	64*	42
7 5	13 53.70	+19 44.3	0.967	1.461	43.9	20.0	95 E	59*	44
7 10	13 49.84	+17 12.1	0.960	1.409	46.2	20.0	91 E	55*	47
7 15	13 47.06	+14 30.9	0.953	1.356	48.5	20.0	87 E	50*	49

138937 2001 BK_{16} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
7 25	13 44.33	+ 8 44.5	0.936	1.249	53.1	19.9	79 E	40*	55*
8 4	13 44.60	+ 2 27.5	0.913	1.139	58.0	19.8	72 E	32*	58*
8 14	13 46.86	− 4 22.4	0.881	1.029	63.5	19.6	65 E	23*	57*
8 19	13 48.31	− 8 1.1	0.861	0.975	66.6	19.6	62 E	19*	55*
8 24	13 49.64	−11 49.8	0.838	0.922	70.0	19.5	59 E	14*	53*
8 29	13 50.54	−15 49.0	0.813	0.870	73.7	19.4	56 E	10*	50*
9 3	13 50.58	−19 58.6	0.784	0.822	77.8	19.4	53 E	5*	46*
9 8	13 49.18	−24 17.4	0.754	0.778	82.3	19.3	50 E	—	42*
9 13	13 45.55	−28 42.3	0.721	0.739	87.2	19.3	47 E	—	38*
9 15	13 43.25	−30 28.6	0.708	0.725	89.2	19.3	46 E	—	36*
9 17	13 40.35	−32 14.2	0.694	0.712	91.2	19.3	45 E	—	34*
9 19	13 36.78	−33 58.4	0.681	0.701	93.2	19.3	44 E	—	32*
9 21	13 32.46	−35 40.2	0.667	0.691	95.3	19.3	43 E	—	29*
9 23	13 27.32	−37 18.6	0.654	0.683	97.2	19.3	42 E	—	27*
9 25	13 21.31	−38 52.4	0.641	0.677	99.1	19.4	42 E	—	25*
9 27	13 14.36	−40 20.1	0.628	0.672	100.9	19.4	41 E	—	22*
9 29	13 6.48	−41 40.4	0.616	0.669	102.4	19.4	41 E	—	19*
10 1	12 57.67	−42 51.8	0.604	0.667	103.8	19.4	40 E	—	17*
10 3	12 47.99	−43 52.9	0.592	0.668	105.0	19.5	40 E	—	14*
10 5	12 37.53	−44 42.3	0.581	0.670	105.9	19.5	40 W	—	13*
10 7	12 26.45	−45 19.1	0.571	0.674	106.5	19.5	40 W	—	16*
10 9	12 14.93	−45 42.6	0.561	0.680	106.9	19.5	41 W	—	19*
10 11	12 3.17	−45 52.3	0.552	0.687	106.9	19.5	41 W	—	22*
10 13	11 51.38	−45 48.3	0.543	0.696	106.6	19.5	42 W	—	25*
10 15	11 39.78	−45 31.1	0.535	0.706	106.1	19.4	43 W	—	28*
10 17	11 28.54	−45 1.5	0.527	0.718	105.3	19.4	44 W	—	31*
10 19	11 17.81	−44 20.4	0.520	0.731	104.3	19.3	45 W	—	34*
10 21	11 7.68	−43 29.1	0.513	0.746	103.0	19.3	47 W	—	36*
10 23	10 58.22	−42 28.7	0.506	0.761	101.6	19.2	49 W	—	39*
10 25	10 49.44	−41 20.5	0.499	0.777	100.0	19.2	50 W	—	42*
10 27	10 41.33	−40 5.7	0.493	0.795	98.3	19.1	52 W	—	45*
10 29	10 33.84	−38 45.1	0.487	0.813	96.5	19.0	54 W	2*	47*
10 31	10 26.93	−37 19.5	0.481	0.831	94.6	19.0	57 W	4*	50*
11 2	10 20.54	−35 49.7	0.475	0.850	92.6	18.9	59 W	7*	53*
11 4	10 14.58	−34 16.1	0.469	0.870	90.5	18.9	61 W	9*	55*
11 6	10 8.98	−32 39.0	0.463	0.890	88.3	18.8	64 W	11*	58*
11 8	10 3.69	−30 58.5	0.457	0.911	86.1	18.7	67 W	14*	60*
11 10	9 58.62	−29 14.8	0.451	0.932	83.8	18.7	69 W	16*	63*
11 12	9 53.72	−27 27.7	0.445	0.953	81.4	18.6	72 W	18*	66*
11 17	9 41.82	−22 44.9	0.430	1.007	75.2	18.4	80 W	22	71*
11 22	9 29.78	−17 38.0	0.416	1.062	68.5	18.2	88 W	27	76*
11 27	9 16.94	−12 4.4	0.404	1.117	61.1	18.1	98 W	33	75*
12 2	9 2.77	− 6 3.5	0.396	1.172	53.1	17.9	108 W	39	70
12 7	8 46.99	+ 0 19.9	0.394	1.227	44.5	17.7	119 W	45	64
12 12	8 29.59	+ 6 53.4	0.398	1.281	35.6	17.6	131 W	52	57
12 14	8 22.24	+ 9 29.4	0.403	1.303	32.0	17.6	135 W	54	55
12 16	8 14.72	+12 2.6	0.409	1.324	28.4	17.5	140 W	57	52
12 18	8 7.05	+14 31.5	0.416	1.345	24.9	17.5	145 W	60	49
12 20	7 59.30	+16 54.9	0.425	1.367	21.5	17.5	149 W	62	47
12 22	7 51.50	+19 11.8	0.436	1.388	18.3	17.5	154 W	64	45
12 24	7 43.71	+21 21.0	0.448	1.409	15.1	17.4	158 W	66	43
12 26	7 35.99	+23 22.1	0.462	1.430	12.2	17.4	162 W	68	41
12 28	7 28.39	+25 14.5	0.477	1.451	9.5	17.4	166 W	70	39
12 30	7 20.96	+26 58.1	0.494	1.472	7.3	17.4	169 W	72	37
1 1	7 13.76	+28 32.8	0.512	1.492	5.6	17.5	171 W	74	35
1 6	6 57.02	+31 52.6	0.565	1.543	6.1	17.8	170 E	77	32
1 11	6 42.51	+34 25.0	0.624	1.593	9.8	18.2	164 E	79	30
1 16	6 30.47	+36 18.6	0.691	1.642	13.6	18.7	157 E	81	28
1 21	6 20.94	+37 42.0	0.764	1.690	16.8	19.0	150 E	83	26

366733 2004 BG_{121}

4 6	16 19.67	+16 40.5	0.941	1.726	28.2	21.4	125 W	62	47
4 11	16 20.88	+18 21.4	0.897	1.704	27.8	21.3	128 W	63	46
4 16	16 21.04	+20 4.0	0.855	1.683	27.4	21.1	130 W	65	44
4 21	16 20.10	+21 46.3	0.817	1.660	27.2	21.0	131 W	67	42
4 26	16 17.99	+23 26.1	0.782	1.638	27.1	20.9	132 W	68	41
5 1	16 14.69	+25 0.6	0.750	1.615	27.2	20.7	133 W	70	39
5 6	16 10.22	+26 27.0	0.722	1.591	27.6	20.6	133 W	71	38
5 11	16 4.61	+27 41.9	0.696	1.568	28.3	20.5	133 W	73	36
5 16	15 58.02	+28 42.0	0.673	1.544	29.2	20.5	132 W	74	35
5 21	15 50.66	+29 24.4	0.653	1.520	30.4	20.4	130 E	74	35
5 26	15 42.79	+29 46.8	0.636	1.495	31.9	20.3	129 E	75	34
5 31	15 34.72	+29 47.4	0.621	1.471	33.6	20.3	127 E	75	34
6 5	15 26.76	+29 25.1	0.607	1.446	35.5	20.3	124 E	74	35
6 10	15 19.25	+28 39.7	0.596	1.421	37.5	20.3	122 E	74	35
6 15	15 12.48	+27 31.5	0.586	1.397	39.6	20.2	119 E	73	36
6 20	15 6.71	+26 1.6	0.577	1.372	41.7	20.2	116 E	71	38
6 25	15 2.08	+24 11.6	0.570	1.347	43.9	20.2	113 E	69	40
6 30	14 58.69	+22 3.2	0.562	1.323	46.0	20.2	111 E	67*	42

366733 2004 BG_{121} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
7 5	14 56.59	+19 37.7	0.556	1.299	48.2	20.2	108 E	64*	44
7 10	14 55.80	+16 56.6	0.550	1.276	50.3	20.2	105 E	61*	47
7 15	14 56.31	+14 1.2	0.544	1.253	52.4	20.2	103 E	57*	50
7 20	14 58.10	+10 52.8	0.538	1.230	54.4	20.2	100 E	53*	53
7 25	15 1.11	+ 7 32.7	0.533	1.209	56.4	20.2	98 E	49*	56
7 30	15 5.28	+ 4 1.7	0.528	1.188	58.3	20.2	95 E	45*	60
8 4	15 10.61	+ 0 20.6	0.523	1.168	60.1	20.2	93 E	40*	64
8 9	15 17.08	− 3 29.6	0.518	1.150	61.8	20.2	91 E	36*	67
8 14	15 24.71	− 7 27.8	0.514	1.133	63.4	20.2	90 E	32*	71*
8 19	15 33.52	−11 32.5	0.510	1.117	64.9	20.2	88 E	28*	75*
8 24	15 43.54	−15 42.2	0.507	1.103	66.2	20.2	86 E	24*	77*
8 29	15 54.86	−19 54.9	0.505	1.091	67.3	20.2	85 E	21*	78*
9 3	16 7.61	−24 8.3	0.504	1.080	68.3	20.2	84 E	17*	78*
9 8	16 21.95	−28 19.6	0.504	1.072	69.0	20.2	83 E	13*	77*
9 13	16 38.09	−32 25.6	0.505	1.066	69.4	20.2	83 E	10*	74*
9 18	16 56.25	−36 22.5	0.508	1.061	69.7	20.2	82 E	6*	72*
9 23	17 16.68	−40 6.1	0.511	1.060	69.6	20.2	82 E	3*	70*
9 28	17 39.65	−43 31.8	0.516	1.060	69.4	20.2	82 E	—	68*
10 3	18 5.37	−46 34.3	0.523	1.063	68.9	20.2	82 E	—	66*
10 8	18 33.95	−49 8.6	0.530	1.067	68.1	20.3	82 E	—	64*
10 13	19 5.23	−51 9.5	0.539	1.074	67.2	20.3	83 E	—	63*
10 15	19 18.40	−51 47.4	0.543	1.078	66.7	20.3	83 E	—	63*
10 17	19 31.88	−52 19.1	0.548	1.081	66.3	20.3	83 E	—	63*
10 19	19 45.60	−52 44.3	0.552	1.086	65.8	20.3	84 E	—	62*
10 21	19 59.50	−53 2.9	0.557	1.090	65.3	20.3	84 E	—	62*
10 23	20 13.52	−53 14.8	0.562	1.095	64.8	20.3	84 E	—	62*
10 25	20 27.58	−53 20.0	0.567	1.099	64.3	20.3	85 E	—	62*
10 27	20 41.60	−53 18.5	0.572	1.105	63.7	20.4	85 E	—	63*
10 29	20 55.51	−53 10.5	0.578	1.110	63.1	20.4	86 E	—	63*
10 31	21 9.24	−52 56.1	0.583	1.116	62.6	20.4	86 E	—	63*
11 2	21 22.74	−52 35.6	0.589	1.122	62.0	20.4	86 E	—	63*
11 4	21 35.94	−52 9.2	0.596	1.128	61.4	20.4	87 E	—	64
11 6	21 48.80	−51 37.2	0.602	1.135	60.8	20.4	87 E	—	64
11 8	22 1.30	−50 59.9	0.609	1.142	60.1	20.5	88 E	—	65
11 10	22 13.39	−50 17.8	0.616	1.149	59.5	20.5	88 E	—	66
11 12	22 25.07	−49 31.2	0.624	1.156	58.9	20.5	88 E	—	66
11 17	22 52.39	−47 17.5	0.643	1.175	57.3	20.6	89 E	—	69
11 22	23 17.08	−44 43.4	0.665	1.195	55.8	20.6	90 E	—	71
11 27	23 39.37	−41 54.1	0.689	1.216	54.2	20.7	91 E	3	74
12 2	23 59.54	−38 53.9	0.715	1.238	52.8	20.8	92 E	6	77
12 7	0 17.92	−35 46.7	0.744	1.260	51.4	20.9	93 E	9	80
12 12	0 34.80	−32 35.8	0.775	1.283	50.0	20.9	93 E	12	83
12 17	0 50.44	−29 23.9	0.809	1.307	48.7	21.0	93 E	16	86*
12 22	1 5.05	−26 13.3	0.845	1.331	47.6	21.1	93 E	19	87*
12 27	1 18.82	−23 5.7	0.884	1.355	46.4	21.3	93 E	22	84*
1 1	1 31.93	−20 2.6	0.926	1.380	45.4	21.4	92 E	25	81*
1 6	1 44.50	−17 5.0	0.971	1.405	44.4	21.5	92 E	28	77*

134863 2000 PX_5

4 6	16 20.18	−25 30.8	1.550	2.310	19.8	21.4	128 W	19	90
4 16	16 18.40	−26 0.2	1.421	2.272	17.0	21.0	138 W	19	90
4 26	16 12.93	−26 22.5	1.309	2.233	13.3	20.7	149 W	19	90
5 6	16 3.82	−26 34.7	1.216	2.193	8.9	20.3	160 W	18	89
5 11	15 58.05	−26 35.7	1.179	2.173	6.4	20.1	166 W	18	89
5 16	15 51.65	−26 33.1	1.148	2.152	4.2	19.9	171 W	18	89
5 21	15 44.82	−26 26.5	1.123	2.132	3.1	19.8	174 E	19	90
5 26	15 37.78	−26 16.3	1.104	2.110	4.4	19.8	171 E	19	90
5 31	15 30.77	−26 2.7	1.092	2.089	6.9	19.9	166 E	19	90
6 5	15 24.03	−25 46.5	1.086	2.068	9.8	20.0	160 E	19	90
6 10	15 17.78	−25 28.5	1.085	2.046	12.7	20.1	154 E	20	89
6 15	15 12.24	−25 9.8	1.090	2.024	15.5	20.2	148 E	20	89
6 20	15 7.57	−24 51.5	1.100	2.002	18.1	20.3	142 E	20	89
6 25	15 3.88	−24 34.5	1.114	1.980	20.6	20.3	137 E	20	89
6 30	15 1.23	−24 19.7	1.132	1.958	23.0	20.4	131 E	21	88
7 5	14 59.67	−24 7.7	1.152	1.935	25.1	20.5	126 E	21*	88
7 15	14 59.82	−23 53.8	1.201	1.890	28.7	20.6	117 E	20*	88
7 25	15 4.17	−23 54.3	1.255	1.845	31.5	20.8	108 E	19*	88
8 4	15 12.34	−24 8.1	1.311	1.799	33.7	20.9	101 E	18*	88
8 14	15 24.02	−24 32.7	1.367	1.754	35.2	20.9	94 E	16*	88*
8 24	15 38.88	−25 5.0	1.422	1.709	36.2	21.0	88 E	15*	82*
9 3	15 56.64	−25 40.8	1.472	1.665	36.9	21.0	82 E	14*	76*
9 13	16 17.10	−26 16.3	1.519	1.621	37.2	21.1	77 E	14*	71*
9 23	16 40.08	−26 46.9	1.562	1.580	37.3	21.1	72 E	14*	66*
10 3	17 5.36	−27 8.1	1.600	1.540	37.1	21.1	68 E	14*	62*
10 13	17 32.76	−27 15.6	1.634	1.502	36.8	21.0	64 E	14*	58*
10 23	18 2.02	−27 4.8	1.664	1.468	36.4	21.0	61 E	15*	55*
11 2	18 32.80	−26 32.0	1.692	1.437	35.8	21.0	58 E	16*	51*
11 12	19 4.79	−25 34.2	1.718	1.410	35.2	21.0	55 E	17*	48*
11 22	19 37.55	−24 9.3	1.743	1.387	34.5	20.9	53 E	18*	44*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
134863 2000 PX_5 *(continuation)*									
12 2	20 10.69	−22 16.8	1.769	1.369	33.7	20.9	50 E	20*	41*
12 12	20 43.89	−19 57.5	1.796	1.356	32.8	20.9	48 E	22*	37*
12 22	21 16.83	−17 13.9	1.826	1.349	31.8	20.9	46 E	24*	33*
1 1	21 49.31	−14 9.5	1.860	1.348	30.7	20.9	44 E	25*	30*
1 11	22 21.22	−10 48.8	1.899	1.353	29.6	20.9	43 E	27*	27*
1 21	22 52.51	− 7 16.8	1.942	1.363	28.3	21.0	41 E	28*	24*
285574 2000 QG_{20}									
4 6	16 25.52	−20 18.3	1.546	2.303	20.0	21.5	128 W	25	84
4 16	16 25.56	−20 10.0	1.422	2.269	17.2	21.2	138 W	25	84
4 26	16 22.31	−19 54.1	1.314	2.235	13.6	20.8	149 W	25	84
5 6	16 15.84	−19 30.4	1.225	2.200	9.1	20.5	160 W	25	84
5 16	16 6.64	−18 59.7	1.160	2.165	3.9	20.1	172 W	26	83
5 21	16 1.35	−18 42.3	1.136	2.147	1.4	19.8	177 W	26	83
5 26	15 55.82	−18 24.3	1.118	2.130	2.1	19.8	176 E	27	82
5 31	15 50.26	−18 6.1	1.107	2.112	4.9	20.0	170 E	27	82
6 5	15 44.85	−17 48.4	1.101	2.094	7.9	20.1	164 E	27	82
6 10	15 39.80	−17 32.0	1.102	2.077	10.7	20.2	158 E	27	82
6 15	15 35.29	−17 17.5	1.107	2.059	13.5	20.3	152 E	28	81
6 20	15 31.48	−17 5.7	1.118	2.042	16.1	20.4	146 E	28	81
6 25	15 28.47	−16 57.0	1.133	2.024	18.6	20.5	141 E	28	81
7 5	15 25.14	−16 50.2	1.175	1.990	22.9	20.6	130 E	28	81
7 15	15 25.61	−16 58.4	1.229	1.956	26.5	20.8	121 E	28*	81
7 25	15 29.83	−17 20.6	1.290	1.922	29.2	21.0	112 E	27*	81
8 4	15 37.53	−17 54.4	1.357	1.890	31.3	21.1	105 E	25*	82
8 14	15 48.42	−18 36.9	1.426	1.858	32.7	21.2	98 E	24*	83
8 24	16 2.19	−19 24.5	1.495	1.828	33.6	21.3	92 E	22*	83*
9 3	16 18.52	−20 13.7	1.564	1.799	34.0	21.4	86 E	21*	79*
9 13	16 37.18	−21 1.0	1.632	1.772	34.1	21.4	81 E	20*	74*
9 23	16 57.93	−21 42.9	1.698	1.747	33.8	21.5	76 E	20*	69*
357126 2001 XR_{246}									
4 6	16 42.58	−27 11.7	1.716	2.414	20.3	21.5	123 W	18	89
4 16	16 43.11	−27 20.1	1.586	2.384	18.0	21.2	133 W	18	89
4 26	16 40.32	−27 19.9	1.471	2.354	14.9	20.9	143 W	18	89
5 6	16 34.19	−27 8.9	1.374	2.323	11.0	20.6	154 W	18	89
5 16	16 25.09	−26 44.7	1.299	2.292	6.4	20.3	165 W	18	89
5 21	16 19.70	−26 27.2	1.271	2.276	4.1	20.1	171 W	19	90
5 26	16 13.97	−26 6.4	1.249	2.260	2.3	19.9	175 W	19	90
5 31	16 8.10	−25 42.4	1.234	2.244	2.9	19.9	173 E	19	90
6 5	16 2.26	−25 15.8	1.224	2.228	5.3	20.0	168 E	20	89
6 10	15 56.68	−24 47.4	1.222	2.211	7.9	20.1	163 E	20	89
6 15	15 51.54	−24 18.1	1.225	2.195	10.5	20.2	157 E	21	88
6 20	15 47.00	−23 48.8	1.233	2.179	13.1	20.3	151 E	21	88
6 25	15 43.22	−23 20.6	1.247	2.162	15.5	20.4	145 E	22	87
6 30	15 40.25	−22 54.2	1.266	2.146	17.8	20.5	140 E	22	87
7 5	15 38.18	−22 30.2	1.289	2.129	19.9	20.6	135 E	22	87
7 10	15 37.04	−22 9.2	1.315	2.112	21.8	20.7	129 E	23	86
7 15	15 36.83	−21 51.5	1.344	2.096	23.5	20.8	125 E	23*	86
7 20	15 37.56	−21 37.2	1.376	2.079	25.1	20.8	120 E	23*	86
7 25	15 39.19	−21 26.4	1.410	2.063	26.4	20.9	116 E	23*	85
7 30	15 41.67	−21 19.0	1.446	2.046	27.5	21.0	111 E	23*	85
8 4	15 44.98	−21 14.6	1.483	2.030	28.5	21.0	107 E	22*	85
8 9	15 49.07	−21 13.0	1.521	2.013	29.3	21.1	103 E	22*	85
8 14	15 53.91	−21 13.9	1.559	1.997	30.0	21.2	100 E	21*	85
8 19	15 59.44	−21 16.9	1.598	1.981	30.5	21.2	96 E	21*	85
8 24	16 5.64	−21 21.7	1.637	1.965	30.9	21.3	93 E	21*	85*
8 29	16 12.45	−21 27.7	1.675	1.949	31.2	21.3	90 E	20*	83*
9 3	16 19.85	−21 34.5	1.713	1.933	31.4	21.3	86 E	20*	80*
9 8	16 27.81	−21 41.9	1.751	1.917	31.5	21.4	83 E	20*	77*
9 13	16 36.29	−21 49.3	1.789	1.902	31.5	21.4	80 E	20*	74*
9 18	16 45.27	−21 56.3	1.825	1.887	31.4	21.4	78 E	19*	71*
9 23	16 54.70	−22 2.6	1.861	1.872	31.2	21.4	75 E	19*	69*
9 28	17 4.58	−22 7.8	1.896	1.857	31.0	21.5	72 E	19*	66*
10 3	17 14.87	−22 11.4	1.930	1.842	30.7	21.5	70 E	19*	63*
10 8	17 25.55	−22 13.2	1.963	1.828	30.3	21.5	67 E	19*	61*
10 13	17 36.59	−22 12.8	1.995	1.814	29.9	21.5	65 E	19*	58*
10 18	17 47.98	−22 9.9	2.026	1.801	29.4	21.5	63 E	19*	56*
10 23	17 59.67	−22 4.2	2.056	1.788	28.9	21.5	60 E	19*	53*
10 28	18 11.64	−21 55.3	2.085	1.775	28.4	21.5	58 E	19*	51*
11 2	18 23.88	−21 43.1	2.113	1.763	27.8	21.5	56 E	20*	48*
11 7	18 36.35	−21 27.3	2.140	1.751	27.2	21.5	54 E	20*	46*
11 12	18 49.04	−21 7.8	2.166	1.740	26.6	21.5	52 E	20*	43*
11 17	19 1.90	−20 44.3	2.191	1.729	26.0	21.5	50 E	20*	41*
11 22	19 14.92	−20 16.8	2.216	1.719	25.3	21.5	48 E	20*	38*
11 27	19 28.07	−19 45.2	2.239	1.709	24.6	21.5	46 E	21*	36*
12 2	19 41.32	−19 9.4	2.262	1.700	23.8	21.4	44 E	21*	33*
12 7	19 54.66	−18 29.4	2.284	1.692	23.1	21.4	42 E	21*	31*
12 12	20 8.06	−17 45.2	2.306	1.684	22.3	21.4	41 E	21*	28*
12 17	20 21.49	−16 57.0	2.327	1.677	21.6	21.4	39 E	21*	26*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
357126 2001 XR_{246} *(continuation)*									
12 22	20 34.94	−16 4.7	2.347	1.670	20.8	21.4	37 E	21*	24*
12 27	20 48.40	−15 8.6	2.367	1.664	20.0	21.4	35 E	21*	21*
1 1	21 1.85	−14 8.7	2.386	1.659	19.2	21.4	34 E	20*	19*
1 6	21 15.27	−13 5.4	2.405	1.655	18.4	21.3	32 E	20*	17*
1 11	21 28.67	−11 58.7	2.423	1.651	17.5	21.3	30 E	20*	15*
1 16	21 42.01	−10 49.1	2.441	1.648	16.7	21.3	29 E	19*	13*
1 21	21 55.31	− 9 36.6	2.459	1.646	15.8	21.3	27 E	18*	12*
387505 1998 KN_3									
4 6	16 52.92	−26 19.0	1.135	1.861	27.4	21.2	121 W	19	90
4 11	16 53.12	−26 35.1	1.032	1.811	26.6	21.0	126 W	18	89
4 16	16 52.02	−26 51.7	0.931	1.760	25.5	20.6	131 W	18	89
4 21	16 49.28	−27 8.8	0.832	1.707	24.0	20.3	136 W	18	89
4 26	16 44.42	−27 26.1	0.737	1.652	21.9	19.9	142 W	18	89
5 1	16 36.80	−27 42.8	0.646	1.594	19.3	19.4	149 W	17	88
5 6	16 25.41	−27 56.9	0.558	1.535	15.8	18.9	156 W	17	88
5 8	16 19.50	−28 0.8	0.525	1.510	14.2	18.7	159 W	17	88
5 10	16 12.65	−28 3.2	0.492	1.485	12.3	18.5	162 W	17	88
5 12	16 4.71	−28 3.4	0.461	1.460	10.4	18.2	165 W	17	88
5 14	15 55.54	−28 0.4	0.430	1.434	8.5	17.9	168 W	17	88
5 16	15 44.94	−27 53.1	0.401	1.408	6.8	17.7	171 W	17	88
5 18	15 32.73	−27 40.0	0.373	1.381	6.1	17.4	172 E	17	88
5 20	15 18.68	−27 18.7	0.346	1.354	7.3	17.3	170 E	18	89
5 22	15 2.57	−26 46.7	0.321	1.327	10.3	17.2	166 E	18	89
5 24	14 44.23	−26 0.4	0.299	1.299	14.5	17.2	161 E	19	90
5 26	14 23.50	−24 55.9	0.278	1.270	19.7	17.1	155 E	20	89
5 28	14 0.39	−23 28.7	0.260	1.241	25.7	17.1	148 E	22	87
5 30	13 35.06	−21 34.9	0.245	1.212	32.4	17.1	140 E	23	86
6 1	13 7.92	−19 12.2	0.233	1.182	39.9	17.2	132 E	26	83
6 3	12 39.61	−16 21.7	0.225	1.151	48.0	17.3	123 E	28*	80
6 5	12 10.92	−13 8.2	0.221	1.120	56.5	17.4	113 E	30*	77
6 6	11 56.70	−11 25.3	0.220	1.104	60.8	17.5	108 E	31*	75
6 7	11 42.69	− 9 40.1	0.220	1.088	65.2	17.6	103 E	31*	74
6 8	11 28.99	− 7 53.9	0.222	1.071	69.5	17.7	99 E	31*	72
6 9	11 15.66	− 6 8.0	0.224	1.055	73.7	17.8	94 E	31*	70
6 10	11 2.75	− 4 23.6	0.227	1.038	77.9	18.0	89 E	30*	68
6 11	10 50.32	− 2 41.7	0.231	1.022	82.0	18.1	85 E	29*	67*
6 12	10 38.38	− 1 3.2	0.236	1.005	85.9	18.3	81 E	28*	64*
6 13	10 26.95	+ 0 31.4	0.241	0.988	89.8	18.5	76 E	27*	62*
6 14	10 16.03	+ 2 1.7	0.247	0.970	93.5	18.6	72 E	26*	59*
6 15	10 5.61	+ 3 27.3	0.254	0.953	97.1	18.8	69 E	25*	56*
6 20	9 20.41	+ 9 26.2	0.296	0.862	113.4	19.8	51 E	17*	42*
6 25	8 44.31	+13 46.7	0.348	0.766	127.7	21.0	37 E	10*	29*
6 30	8 14.42	+16 57.4	0.411	0.663	141.4	22.6	24 E	4*	17*
7 5	7 48.88	+19 19.4	0.487	0.552	156.0	25.3	13 E	—	6*
401146 2011 VD_9									
4 6	16 59.61	−17 17.2	1.989	2.641	19.1	21.4	120 W	28	81
4 16	16 59.66	−15 45.3	1.851	2.614	17.1	21.1	130 W	29	80
4 26	16 56.82	−13 59.5	1.730	2.587	14.4	20.9	140 W	31	78
5 6	16 51.16	−12 1.8	1.630	2.558	11.1	20.6	151 W	33	76
5 16	16 42.99	− 9 56.3	1.554	2.529	7.7	20.3	160 W	35	74
5 21	16 38.18	− 8 52.7	1.526	2.515	6.4	20.2	164 W	36	73
5 26	16 33.04	− 7 49.8	1.505	2.500	5.7	20.1	166 W	37	72
5 31	16 27.72	− 6 48.7	1.491	2.484	6.1	20.1	165 E	38	71
6 5	16 22.36	− 5 50.5	1.485	2.469	7.3	20.2	162 E	39	70
6 10	16 17.10	− 4 56.4	1.485	2.454	9.1	20.2	158 E	40	69
6 15	16 12.12	− 4 7.1	1.491	2.438	11.1	20.3	153 E	41	68
6 25	16 3.45	− 2 45.9	1.522	2.406	15.0	20.5	142 E	42	67
7 5	15 57.16	− 1 49.3	1.572	2.374	18.6	20.6	132 E	43	66
7 15	15 53.71	− 1 16.9	1.638	2.341	21.6	20.8	122 E	44	65
7 25	15 53.26	− 1 6.0	1.714	2.308	23.9	20.9	113 E	43*	65
8 4	15 55.70	− 1 12.5	1.796	2.274	25.6	21.0	105 E	42*	65
8 14	16 0.87	− 1 32.5	1.881	2.240	26.7	21.1	97 E	41*	66
8 24	16 8.54	− 2 1.8	1.965	2.206	27.3	21.2	90 E	39*	66*
9 3	16 18.44	− 2 37.1	2.047	2.171	27.5	21.3	83 E	38*	65*
9 13	16 30.39	− 3 15.3	2.126	2.136	27.3	21.3	77 E	37*	61*
9 23	16 44.18	− 3 53.6	2.198	2.102	26.9	21.3	71 E	35*	57*
10 3	16 59.64	− 4 29.4	2.265	2.067	26.2	21.3	66 E	34*	52*
10 13	17 16.66	− 5 0.7	2.325	2.033	25.4	21.3	61 E	33*	47*
10 23	17 35.08	− 5 25.2	2.378	1.999	24.4	21.3	56 E	33*	41*
11 2	17 54.81	− 5 41.3	2.423	1.965	23.3	21.3	51 E	32*	36*
11 12	18 15.73	− 5 47.2	2.462	1.932	22.1	21.3	47 E	31*	30*
11 22	18 37.73	− 5 41.4	2.495	1.900	20.9	21.2	43 E	30*	24*
12 2	19 0.69	− 5 23.0	2.522	1.869	19.6	21.2	40 E	29*	19*
12 12	19 24.51	− 4 51.0	2.543	1.839	18.3	21.1	36 E	27*	13*
12 22	19 49.05	− 4 5.0	2.560	1.811	17.0	21.0	33 E	26*	8*
1 1	20 14.23	− 3 5.2	2.573	1.784	15.7	21.0	29 E	23*	4*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
401146 2011 VD_9 *(continuation)*									
1 11	20 39.93	− 1 52.0	2.583	1.759	14.5	20.9	27 E	21*	—
1 21	21 6.04	− 0 26.4	2.591	1.736	13.2	20.8	24 E	17*	—
100452 1996 RY_{27}									
4 6	17 0.95	−22 58.3	1.497	2.174	23.6	21.3	120 W	22	87
4 16	17 4.94	−23 0.3	1.361	2.137	21.5	21.0	129 W	22	87
4 26	17 5.65	−22 56.9	1.239	2.099	18.6	20.6	138 W	22	87
5 6	17 2.73	−22 47.8	1.131	2.060	14.8	20.3	149 W	22	87
5 16	16 56.09	−22 31.9	1.042	2.022	9.9	19.9	160 W	22	87
5 26	16 46.22	−22 8.5	0.975	1.983	4.2	19.4	172 W	23	86
5 31	16 40.42	−21 54.1	0.949	1.963	1.1	19.1	178 W	23	86
6 5	16 34.29	−21 38.2	0.930	1.943	2.2	19.1	176 E	23	86
6 10	16 28.07	−21 21.1	0.916	1.924	5.5	19.3	170 E	24	85
6 15	16 22.02	−21 3.6	0.908	1.904	8.8	19.4	163 E	24	85
6 20	16 16.40	−20 46.4	0.906	1.884	12.0	19.5	157 E	24	85
6 25	16 11.42	−20 30.4	0.908	1.865	15.2	19.6	151 E	24	85
6 30	16 7.25	−20 16.2	0.915	1.845	18.2	19.7	146 E	25	84
7 5	16 4.04	−20 4.5	0.926	1.826	21.0	19.8	140 E	25	84
7 15	16 0.84	−19 50.6	0.958	1.788	26.0	20.0	130 E	25	84
7 25	16 2.18	−19 50.5	1.000	1.750	30.0	20.1	120 E	25*	84
8 4	16 7.90	−20 3.2	1.049	1.713	33.2	20.3	112 E	24*	84
8 14	16 17.70	−20 26.1	1.101	1.678	35.7	20.4	105 E	23*	84
8 24	16 31.21	−20 55.4	1.155	1.645	37.4	20.5	99 E	23*	85
9 3	16 47.98	−21 26.7	1.209	1.613	38.7	20.6	93 E	22*	85*
9 13	17 7.71	−21 55.5	1.263	1.583	39.4	20.7	88 E	21*	81*
9 23	17 30.02	−22 17.4	1.315	1.556	39.8	20.7	83 E	21*	77*
10 3	17 54.58	−22 28.0	1.366	1.533	39.9	20.8	79 E	21*	72*
10 13	18 21.07	−22 23.7	1.417	1.512	39.7	20.8	75 E	21*	68*
10 23	18 49.10	−22 1.0	1.468	1.495	39.2	20.9	72 E	22*	64*
11 2	19 18.29	−21 17.8	1.518	1.482	38.6	20.9	69 E	23*	61*
11 12	19 48.27	−20 12.7	1.570	1.473	37.8	20.9	66 E	24*	56*
11 22	20 18.67	−18 45.5	1.624	1.468	36.8	21.0	63 E	25*	52*
12 2	20 49.15	−16 57.1	1.679	1.468	35.7	21.0	60 E	27*	48*
12 12	21 19.47	−14 49.6	1.738	1.472	34.5	21.1	58 E	29*	43*
12 22	21 49.41	−12 25.6	1.800	1.480	33.1	21.1	55 E	31*	39*
1 1	22 18.84	− 9 48.6	1.865	1.492	31.6	21.2	53 E	32*	35*
1 11	22 47.73	− 7 2.2	1.935	1.509	30.1	21.2	50 E	33*	31*
1 21	23 16.04	− 4 10.1	2.007	1.529	28.4	21.3	48 E	33*	27*
440904 2006 VA									
4 6	17 4.99	−29 9.2	0.965	1.685	31.6	21.2	118 W	16	87
4 11	17 13.12	−29 28.0	0.907	1.663	31.1	21.0	121 W	16	87
4 16	17 20.84	−29 44.3	0.852	1.642	30.4	20.8	124 W	15	86
4 21	17 28.12	−29 58.2	0.800	1.621	29.5	20.6	127 W	15	86
4 26	17 34.89	−30 9.6	0.750	1.600	28.4	20.4	131 W	15	86
5 1	17 41.08	−30 18.2	0.702	1.580	27.2	20.2	134 W	15	86
5 6	17 46.61	−30 24.0	0.658	1.560	25.7	20.0	138 W	15	86
5 11	17 51.39	−30 26.6	0.616	1.541	24.0	19.8	142 W	15	86
5 16	17 55.35	−30 25.7	0.578	1.523	22.1	19.6	145 W	15	86
5 21	17 58.46	−30 20.8	0.542	1.505	20.0	19.4	149 W	15	86
5 26	18 0.69	−30 11.5	0.510	1.487	17.6	19.1	154 W	15	86
5 31	18 2.05	−29 57.2	0.481	1.471	14.9	18.9	158 W	15	86
6 5	18 2.54	−29 37.3	0.455	1.455	12.0	18.6	163 W	15	86
6 10	18 2.26	−29 11.3	0.433	1.441	9.0	18.4	167 W	16	87
6 15	18 1.36	−28 39.0	0.415	1.427	5.9	18.1	172 W	16	87
6 20	18 0.07	−28 0.4	0.399	1.415	3.4	17.9	175 W	17	88
6 25	17 58.66	−27 16.0	0.388	1.403	3.8	17.8	175 E	18	89
6 30	17 57.39	−26 26.5	0.380	1.393	6.7	17.9	171 E	19	90
7 5	17 56.52	−25 33.2	0.375	1.384	10.1	18.0	166 E	19	90
7 10	17 56.33	−24 37.6	0.373	1.376	13.6	18.1	161 E	20	89
7 15	17 57.04	−23 41.4	0.375	1.369	17.0	18.3	157 E	21	88
7 20	17 58.85	−22 45.9	0.380	1.364	20.1	18.4	153 E	22	87
7 25	18 1.83	−21 52.5	0.387	1.360	23.0	18.5	148 E	23	86
7 30	18 5.99	−21 1.7	0.397	1.358	25.7	18.6	145 E	24	85
8 4	18 11.30	−20 14.2	0.409	1.357	28.1	18.8	141 E	25	84
8 14	18 25.22	−18 49.2	0.441	1.359	32.0	19.0	135 E	26	83
8 24	18 42.91	−17 35.0	0.481	1.367	34.9	19.3	129 E	27	82
9 3	19 3.40	−16 27.2	0.530	1.381	37.0	19.6	125 E	29	80
9 13	19 25.88	−15 21.3	0.588	1.399	38.3	19.9	120 E	30	79
9 23	19 49.61	−14 13.0	0.655	1.423	39.1	20.2	117 E	31	78
10 3	20 13.96	−12 59.8	0.730	1.450	39.5	20.5	113 E	32	77
10 13	20 38.51	−11 40.1	0.814	1.481	39.5	20.8	109 E	33	76
10 23	21 2.95	−10 12.8	0.908	1.516	39.2	21.1	106 E	35	74
11 2	21 27.04	− 8 38.4	1.009	1.553	38.7	21.3	102 E	36	73
380546 2004 NB_{25}									
4 6	17 6.44	−12 57.0	1.877	2.518	20.4	21.4	119 W	32	77
4 16	17 9.07	−12 20.1	1.729	2.474	18.7	21.1	128 W	33	76
4 26	17 8.98	−11 39.3	1.594	2.431	16.3	20.8	137 W	33	76
5 6	17 6.01	−10 56.8	1.477	2.387	13.3	20.5	147 W	34	75

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
380546 2004 NB_{25} *(continuation)*									
5 16	17 0.17	−10 15.8	1.379	2.342	9.8	20.2	157 W	35	74
5 26	16 51.89	− 9 40.5	1.305	2.298	6.6	19.9	165 W	35	74
5 31	16 47.08	− 9 26.3	1.276	2.276	5.8	19.8	167 W	36	73
6 5	16 42.01	− 9 15.0	1.254	2.253	6.0	19.7	167 E	36	73
6 10	16 36.82	− 9 7.3	1.238	2.231	7.3	19.7	164 E	36	73
6 15	16 31.70	− 9 3.6	1.228	2.209	9.3	19.8	160 E	36	73
6 25	16 22.37	− 9 9.2	1.225	2.164	13.7	19.9	150 E	36	73
7 5	16 15.20	− 9 32.6	1.243	2.120	18.2	20.0	139 E	35	74
7 15	16 11.04	−10 12.9	1.276	2.076	22.2	20.2	129 E	35	74
7 25	16 10.37	−11 7.7	1.322	2.033	25.6	20.3	120 E	34*	75
8 4	16 13.27	−12 13.7	1.377	1.990	28.2	20.4	112 E	32*	76
8 14	16 19.64	−13 27.5	1.436	1.949	30.3	20.5	104 E	30*	77
8 24	16 29.27	−14 45.6	1.499	1.909	31.7	20.6	97 E	29*	79
9 3	16 41.90	−16 4.5	1.562	1.870	32.6	20.7	91 E	27*	79*
9 13	16 57.30	−17 21.0	1.625	1.833	33.1	20.8	85 E	25*	76*
9 23	17 15.22	−18 31.7	1.686	1.798	33.3	20.8	79 E	24*	72*
10 3	17 35.41	−19 33.5	1.745	1.765	33.1	20.8	75 E	23*	67*
10 13	17 57.69	−20 23.3	1.803	1.735	32.7	20.9	70 E	22*	63*
10 23	18 21.78	−20 58.2	1.859	1.708	32.0	20.9	66 E	22*	58*
11 2	18 47.42	−21 15.8	1.913	1.684	31.2	20.9	62 E	22*	54*
11 12	19 14.35	−21 14.0	1.965	1.664	30.2	20.9	58 E	22*	49*
11 22	19 42.23	−20 51.2	2.017	1.647	29.1	20.9	54 E	22*	45*
12 2	20 10.76	−20 7.1	2.069	1.634	27.9	20.9	51 E	22*	40*
12 12	20 39.66	−19 1.7	2.121	1.626	26.5	20.9	47 E	22*	36*
12 22	21 8.63	−17 36.2	2.173	1.622	25.1	20.9	44 E	23*	32*
1 1	21 37.45	−15 52.5	2.226	1.622	23.6	20.9	41 E	23*	28*
1 11	22 5.96	−13 52.9	2.281	1.627	22.0	20.9	38 E	22*	24*
1 21	22 34.04	−11 40.5	2.337	1.636	20.3	20.9	35 E	22*	21*
220428 2003 UJ_3									
4 6	17 8.53	−19 27.3	1.232	1.919	27.3	21.3	118 W	26	83
4 16	17 16.34	−19 14.6	1.119	1.893	25.3	21.0	126 W	26	83
4 26	17 20.98	−18 56.3	1.016	1.867	22.5	20.7	135 W	26	83
5 6	17 22.02	−18 34.4	0.927	1.842	18.7	20.3	144 W	26	83
5 16	17 19.22	−18 10.7	0.853	1.818	13.9	19.9	154 W	27	82
5 26	17 12.87	−17 47.5	0.796	1.794	8.4	19.6	165 W	27	82
5 31	17 8.64	−17 36.9	0.775	1.783	5.5	19.4	170 W	27	82
6 5	17 3.92	−17 27.5	0.759	1.772	3.3	19.2	174 W	28	81
6 10	16 58.94	−17 19.6	0.749	1.761	3.7	19.2	174 E	28	81
6 15	16 53.96	−17 13.8	0.743	1.751	6.4	19.3	169 E	28	81
6 20	16 49.23	−17 10.4	0.742	1.741	9.5	19.4	164 E	28	81
6 25	16 45.01	−17 9.9	0.746	1.731	12.7	19.5	158 E	28	81
6 30	16 41.49	−17 12.4	0.754	1.722	15.7	19.6	153 E	28	81
7 5	16 38.83	−17 18.1	0.767	1.713	18.7	19.7	147 E	28	81
7 15	16 36.58	−17 39.3	0.803	1.697	23.9	20.0	137 E	27	82
7 25	16 38.75	−18 12.1	0.850	1.683	28.1	20.2	129 E	27	82
8 4	16 45.24	−18 53.3	0.906	1.670	31.5	20.4	121 E	26*	83
8 14	16 55.72	−19 39.0	0.970	1.660	34.0	20.6	114 E	25*	84
8 24	17 9.72	−20 24.8	1.039	1.653	35.7	20.8	107 E	24*	84
9 3	17 26.70	−21 6.4	1.112	1.647	36.8	21.0	102 E	24*	85
9 13	17 46.21	−21 40.0	1.189	1.644	37.4	21.2	97 E	23*	86
9 23	18 7.79	−22 2.1	1.269	1.644	37.6	21.3	92 E	23*	84*
10 3	18 30.98	−22 10.0	1.351	1.645	37.4	21.4	87 E	23*	80*
165464 2001 AY_{19}									
4 6	17 13.31	−18 1.5	2.378	2.971	17.4	21.5	117 W	27	82
4 16	17 13.05	−17 55.5	2.238	2.952	15.8	21.3	127 W	27	82
4 26	17 10.19	−17 48.3	2.112	2.933	13.4	21.0	137 W	27	82
5 6	17 4.75	−17 40.2	2.006	2.912	10.5	20.8	148 W	27	82
5 16	16 56.93	−17 31.7	1.922	2.891	7.0	20.5	160 W	27	82
5 26	16 47.30	−17 23.4	1.864	2.868	3.3	20.3	171 W	28	81
6 5	16 36.69	−17 16.3	1.835	2.845	2.3	20.1	174 E	28	81
6 15	16 26.13	−17 11.6	1.833	2.821	6.0	20.3	163 E	28	81
6 25	16 16.66	−17 11.1	1.859	2.796	9.9	20.5	152 E	28	81
7 5	16 9.09	−17 16.4	1.909	2.770	13.5	20.7	141 E	28	81
7 15	16 4.00	−17 28.4	1.978	2.743	16.5	20.9	130 E	28	81
7 25	16 1.64	−17 47.5	2.063	2.715	18.9	21.0	120 E	27*	82
8 4	16 2.01	−18 13.4	2.158	2.687	20.7	21.1	111 E	26*	82
8 14	16 5.03	−18 45.1	2.259	2.657	21.9	21.3	102 E	24*	83
8 24	16 10.48	−19 21.4	2.364	2.627	22.6	21.3	94 E	23*	83*
9 3	16 18.14	−20 0.7	2.468	2.596	22.8	21.4	86 E	21*	79*
9 13	16 27.81	−20 41.4	2.570	2.564	22.6	21.5	78 E	20*	72*
139622 2001 QQ_{142}									
4 6	17 19.97	−15 16.3	1.184	1.851	29.2	21.3	116 W	30	79
4 16	17 20.61	−15 20.6	1.090	1.859	26.2	21.0	125 W	30	79
4 26	17 16.58	−15 27.6	1.005	1.863	22.1	20.7	136 W	30	79
5 6	17 7.53	−15 38.7	0.934	1.865	16.9	20.4	147 W	29	80
5 16	16 53.63	−15 54.4	0.882	1.865	10.7	20.1	160 W	29	80

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
139622 2001 QQ_{142} *(continuation)*									
5 21	16 45.19	−16 3.8	0.864	1.863	7.3	19.9	166 W	29	80
5 26	16 36.08	−16 14.2	0.852	1.861	4.2	19.7	172 W	29	80
5 31	16 26.59	−16 25.3	0.847	1.859	3.0	19.6	174 E	29	80
6 5	16 17.06	−16 37.1	0.848	1.855	5.5	19.7	170 E	28	81
6 10	16 7.83	−16 49.8	0.855	1.851	8.9	19.9	164 E	28	81
6 15	15 59.21	−17 3.6	0.868	1.847	12.3	20.1	157 E	28	81
6 20	15 51.48	−17 18.7	0.887	1.841	15.7	20.2	151 E	28	81
6 25	15 44.84	−17 35.5	0.910	1.835	18.7	20.4	145 E	27	82
7 5	15 35.17	−18 14.7	0.970	1.822	24.1	20.7	133 E	27	82
7 15	15 30.54	−19 2.2	1.042	1.805	28.3	20.9	123 E	26*	83
7 25	15 30.69	−19 57.8	1.122	1.786	31.5	21.2	113 E	24*	84
8 4	15 35.04	−20 59.9	1.205	1.764	33.8	21.3	105 E	22*	85
187828 1999 VX_{21}									
4 6	17 20.34	−20 44.8	1.850	2.451	21.6	21.4	115 W	24	85
4 16	17 23.05	−20 26.8	1.714	2.428	19.9	21.2	125 W	25	84
4 26	17 22.75	−20 4.2	1.591	2.405	17.4	20.9	134 W	25	84
5 6	17 19.24	−19 37.5	1.484	2.381	14.1	20.6	145 W	25	84
5 16	17 12.58	−19 7.0	1.396	2.356	10.1	20.3	156 W	26	83
5 26	17 3.23	−18 33.6	1.331	2.330	5.4	20.0	167 W	26	83
5 31	16 57.84	−18 16.3	1.308	2.317	3.1	19.8	173 W	27	82
6 5	16 52.16	−17 59.0	1.291	2.304	2.0	19.7	175 W	27	82
6 10	16 46.37	−17 42.1	1.281	2.290	3.6	19.8	172 E	27	82
6 15	16 40.67	−17 25.9	1.277	2.277	6.0	19.9	166 E	28	81
6 20	16 35.24	−17 11.2	1.279	2.263	8.6	20.0	161 E	28	81
6 25	16 30.25	−16 58.2	1.288	2.249	11.1	20.1	155 E	28	81
6 30	16 25.83	−16 47.5	1.302	2.235	13.6	20.2	149 E	28	81
7 5	16 22.10	−16 39.2	1.321	2.221	15.9	20.3	143 E	28	81
7 15	16 17.05	−16 31.2	1.372	2.193	19.9	20.5	133 E	28	81
7 25	16 15.48	−16 35.0	1.438	2.164	23.2	20.7	123 E	28*	81
8 4	16 17.35	−16 49.3	1.513	2.134	25.8	20.8	114 E	28*	81
8 14	16 22.51	−17 12.5	1.594	2.105	27.6	21.0	106 E	27*	81
8 24	16 30.65	−17 41.8	1.678	2.075	28.9	21.1	98 E	26*	82
9 3	16 41.46	−18 14.6	1.763	2.045	29.5	21.2	91 E	25*	81*
9 13	16 54.66	−18 48.1	1.848	2.016	29.8	21.2	84 E	24*	77*
9 23	17 10.00	−19 19.6	1.929	1.986	29.7	21.3	78 E	23*	71*
10 3	17 27.22	−19 46.4	2.007	1.957	29.2	21.3	73 E	22*	66*
10 13	17 46.13	−20 6.3	2.081	1.928	28.5	21.4	67 E	22*	60*
10 23	18 6.53	−20 16.9	2.149	1.899	27.6	21.4	62 E	21*	54*
11 2	18 28.21	−20 16.3	2.213	1.871	26.5	21.4	57 E	21*	49*
11 12	18 51.02	−20 2.8	2.271	1.844	25.2	21.4	53 E	21*	44*
11 22	19 14.74	−19 34.9	2.323	1.818	23.8	21.3	48 E	21*	38*
12 2	19 39.21	−18 51.9	2.371	1.793	22.4	21.3	44 E	21*	33*
12 12	20 4.25	−17 53.1	2.413	1.770	20.8	21.3	40 E	20*	28*
12 22	20 29.70	−16 38.4	2.450	1.747	19.2	21.2	36 E	20*	23*
1 1	20 55.42	−15 8.3	2.483	1.727	17.5	21.2	32 E	19*	18*
1 11	21 21.31	−13 23.6	2.511	1.708	15.8	21.1	28 E	17*	14*
1 21	21 47.25	−11 25.4	2.536	1.692	14.0	21.1	25 E	15*	11*
445900 2012 VH_{82}									
4 6	17 26.34	−29 6.0	1.475	2.085	26.1	21.3	113 W	16	87
4 16	17 34.32	−29 14.2	1.339	2.050	24.7	21.0	121 W	16	87
4 26	17 39.28	−29 16.0	1.214	2.014	22.5	20.7	130 W	16	87
5 6	17 40.70	−29 10.4	1.100	1.978	19.4	20.4	139 W	16	87
5 16	17 38.15	−28 54.8	1.002	1.941	15.4	20.0	149 W	16	87
5 26	17 31.63	−28 26.0	0.921	1.905	10.3	19.6	160 W	17	88
5 31	17 27.06	−28 5.5	0.888	1.887	7.5	19.4	166 W	17	88
6 5	17 21.77	−27 40.6	0.860	1.870	4.6	19.1	171 W	17	88
6 10	17 15.99	−27 11.2	0.838	1.852	2.3	18.9	176 W	18	89
6 15	17 9.96	−26 37.5	0.821	1.834	3.4	18.9	174 E	18	89
6 20	17 3.96	−26 0.4	0.810	1.817	6.5	19.0	168 E	19	90
6 25	16 58.29	−25 20.7	0.804	1.799	9.8	19.1	162 E	20	89
6 30	16 53.17	−24 39.6	0.803	1.782	13.1	19.2	157 E	20	89
7 5	16 48.84	−23 58.4	0.807	1.765	16.3	19.3	151 E	21	88
7 10	16 45.48	−23 18.2	0.815	1.749	19.4	19.4	145 E	22	87
7 15	16 43.21	−22 40.3	0.827	1.732	22.2	19.5	140 E	22	87
7 25	16 42.22	−21 33.9	0.860	1.701	27.2	19.7	130 E	23	86
8 4	16 45.93	−20 42.2	0.902	1.671	31.3	19.9	121 E	24*	85
8 14	16 54.09	−20 4.6	0.952	1.642	34.5	20.1	113 E	25*	84
8 24	17 6.23	−19 37.8	1.006	1.616	36.8	20.2	107 E	25*	84
9 3	17 21.79	−19 17.1	1.062	1.592	38.5	20.4	101 E	25*	83
9 13	17 40.32	−18 58.1	1.119	1.571	39.6	20.5	95 E	26*	83*
9 23	18 1.36	−18 35.9	1.178	1.553	40.2	20.6	90 E	26*	81*
10 3	18 24.45	−18 6.5	1.238	1.538	40.5	20.7	86 E	27*	77*
10 13	18 49.24	−17 26.5	1.298	1.527	40.4	20.8	82 E	27*	73*
10 23	19 15.33	−16 33.1	1.360	1.519	40.0	20.9	79 E	28*	68*
11 2	19 42.36	−15 24.9	1.423	1.515	39.3	20.9	75 E	29*	64*
11 12	20 10.02	−14 0.9	1.488	1.514	38.5	21.0	72 E	31*	59*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
445900 2012 VH_{82} *(continuation)*									
11 22	20 38.01	−12 21.4	1.556	1.518	37.5	21.1	69 E	32*	54*
12 2	21 6.08	−10 27.4	1.626	1.525	36.3	21.2	66 E	34*	49*
12 12	21 34.08	−8 20.6	1.700	1.536	35.0	21.2	63 E	36*	44*
12 22	22 1.84	−6 3.2	1.776	1.550	33.5	21.3	61 E	37*	39*
1 1	22 29.28	−3 37.8	1.856	1.567	32.0	21.4	58 E	39*	34*
1 11	22 56.37	−1 7.1	1.939	1.588	30.3	21.5	55 E	39*	30*
270659 2002 PU_{178}									
4 6	17 28.46	−19 33.1	1.312	1.941	28.2	21.3	114 W	25	84
4 16	17 38.01	−19 56.9	1.190	1.912	26.7	21.0	121 W	25	84
4 26	17 44.79	−20 24.0	1.079	1.884	24.5	20.7	129 W	25	84
5 6	17 48.33	−20 57.4	0.979	1.856	21.3	20.3	138 W	24	85
5 16	17 48.11	−21 39.2	0.892	1.829	17.1	20.0	148 W	23	86
5 26	17 44.00	−22 30.4	0.822	1.803	12.0	19.6	158 W	22	87
6 5	17 36.36	−23 29.1	0.770	1.778	5.9	19.1	170 W	22	87
6 10	17 31.51	−24 0.1	0.752	1.766	2.6	18.9	176 W	21	88
6 15	17 26.26	−24 31.3	0.739	1.755	1.2	18.7	178 E	20	89
6 20	17 20.89	−25 2.2	0.731	1.743	4.5	18.9	172 E	20	89
6 25	17 15.66	−25 32.2	0.728	1.733	7.9	19.1	166 E	19	90
6 30	17 10.84	−26 0.9	0.730	1.722	11.3	19.2	161 E	19	90
7 5	17 6.69	−26 28.2	0.736	1.712	14.6	19.3	155 E	19	90
7 10	17 3.41	−26 54.0	0.747	1.703	17.7	19.4	149 E	18	89
7 15	17 1.20	−27 18.5	0.762	1.694	20.5	19.6	144 E	18	89
7 25	17 0.36	−28 3.9	0.801	1.678	25.5	19.8	135 E	17	88
8 4	17 4.44	−28 45.0	0.851	1.664	29.6	20.0	126 E	16	87
8 14	17 13.27	−29 21.3	0.909	1.652	32.6	20.3	118 E	16	87
8 24	17 26.37	−29 51.2	0.974	1.643	34.9	20.5	112 E	15*	86
8 29	17 34.32	−30 2.9	1.008	1.640	35.7	20.6	109 E	15*	86
9 3	17 43.10	−30 11.9	1.043	1.637	36.4	20.6	106 E	15*	86
9 8	17 52.64	−30 18.0	1.080	1.634	36.9	20.7	103 E	15*	86
9 13	18 2.86	−30 20.7	1.117	1.633	37.3	20.8	100 E	15*	86
9 18	18 13.68	−30 19.8	1.155	1.632	37.6	20.9	98 E	15*	86
9 23	18 25.03	−30 14.8	1.194	1.632	37.7	21.0	96 E	15*	86*
9 28	18 36.82	−30 5.7	1.234	1.632	37.8	21.0	93 E	15*	85*
10 3	18 48.99	−29 52.0	1.274	1.634	37.8	21.1	91 E	15*	84*
10 8	19 1.49	−29 33.7	1.316	1.635	37.7	21.2	89 E	15*	82*
10 13	19 14.24	−29 10.7	1.358	1.638	37.5	21.2	87 E	16*	81*
10 18	19 27.19	−28 43.0	1.400	1.641	37.2	21.3	85 E	16	79*
10 23	19 40.28	−28 10.4	1.444	1.645	36.9	21.4	83 E	17	77*
10 28	19 53.44	−27 33.2	1.488	1.650	36.5	21.4	81 E	17	75*
11 2	20 6.65	−26 51.4	1.533	1.655	36.0	21.5	79 E	18	72*
526111 2005 UJ_{456}									
4 6	17 47.90	−27 9.7	1.391	1.958	28.9	21.4	109 W	18	89
4 16	18 0.51	−27 11.5	1.259	1.921	28.1	21.2	116 W	18	89
4 26	18 10.82	−27 7.5	1.134	1.884	26.5	20.8	123 W	18	89
5 6	18 18.33	−26 58.6	1.020	1.848	24.3	20.5	131 W	18	89
5 16	18 22.45	−26 44.7	0.918	1.812	21.1	20.1	140 W	18	89
5 26	18 22.76	−26 25.4	0.829	1.777	16.8	19.7	149 W	19	90
6 5	18 19.14	−25 58.9	0.756	1.744	11.6	19.3	160 W	19	90
6 10	18 15.94	−25 42.3	0.726	1.728	8.6	19.1	165 W	19	90
6 15	18 11.99	−25 23.2	0.701	1.712	5.4	18.8	171 W	20	89
6 20	18 7.48	−25 1.5	0.681	1.696	2.1	18.6	177 W	20	89
6 25	18 2.65	−24 37.2	0.665	1.681	1.8	18.5	177 E	20	89
6 30	17 57.76	−24 10.8	0.655	1.667	5.3	18.6	171 E	21	88
7 5	17 53.10	−23 42.7	0.649	1.653	8.9	18.8	166 E	21	88
7 10	17 48.93	−23 13.8	0.647	1.639	12.4	18.9	160 E	22	87
7 15	17 45.52	−22 44.8	0.650	1.626	15.8	19.0	154 E	22	87
7 20	17 43.09	−22 16.7	0.656	1.614	19.0	19.1	149 E	23	86
7 25	17 41.77	−21 50.1	0.666	1.602	22.0	19.2	144 E	23	86
8 4	17 42.71	−21 3.1	0.696	1.581	27.3	19.4	134 E	24	85
8 14	17 48.57	−20 25.0	0.735	1.563	31.6	19.6	126 E	25	84
8 24	17 59.03	−19 53.9	0.782	1.549	34.8	19.9	119 E	25	84
9 3	18 13.46	−19 26.0	0.835	1.538	37.2	20.0	113 E	26	83
9 13	18 31.26	−18 56.9	0.893	1.530	38.9	20.2	107 E	26	83
9 23	18 51.77	−18 22.2	0.955	1.527	39.9	20.4	102 E	27	82
10 3	19 14.35	−17 38.3	1.022	1.527	40.5	20.6	98 E	27	82
10 13	19 38.47	−16 42.7	1.094	1.531	40.5	20.7	94 E	28	80*
10 23	20 3.65	−15 33.6	1.170	1.539	40.3	20.9	90 E	29	77*
11 2	20 29.42	−14 10.7	1.250	1.551	39.7	21.0	87 E	31	72*
11 12	20 55.49	−12 34.2	1.335	1.566	38.9	21.2	83 E	32	67*
11 22	21 21.56	−10 45.3	1.425	1.584	37.9	21.3	80 E	34	62*
12 2	21 47.44	−8 45.7	1.520	1.606	36.6	21.4	76 E	36	57*
194264 2001 UY									
4 6	17 49.35	−6 52.7	2.368	2.843	19.6	21.4	108 W	38	71
4 16	17 50.37	−5 12.7	2.261	2.859	18.2	21.3	117 W	40	69
4 26	17 48.85	−3 29.3	2.166	2.875	16.5	21.2	126 W	42	67
5 6	17 44.82	−1 46.3	2.087	2.890	14.3	21.0	135 W	43	66

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
194264 2001 *UY* *(continuation)*									
5 16	17 38.44	− 0 8.5	2.028	2.904	12.0	20.9	143 W	45	64
5 26	17 30.18	+ 1 18.5	1.992	2.916	9.9	20.8	150 W	46	63
6 5	17 20.71	+ 2 29.2	1.982	2.928	8.7	20.7	154 W	47	62
6 15	17 10.88	+ 3 19.5	1.999	2.939	9.1	20.8	153 E	48	61
6 25	17 1.61	+ 3 47.3	2.041	2.949	10.7	20.9	147 E	49	60
7 5	16 53.66	+ 3 53.1	2.107	2.958	12.8	21.0	140 E	49	60
7 15	16 47.61	+ 3 39.3	2.194	2.967	14.9	21.2	131 E	49	60
7 25	16 43.80	+ 3 9.7	2.297	2.974	16.7	21.4	123 E	48	61
240565 2004 SD_5									
4 6	17 50.63	−11 21.1	2.411	2.882	19.3	21.5	108 W	34	75
4 16	17 52.08	−11 29.0	2.264	2.866	18.1	21.3	117 W	34	75
4 26	17 50.98	−11 41.8	2.127	2.849	16.4	21.1	127 W	33	76
5 6	17 47.18	−12 1.6	2.005	2.830	14.0	20.9	137 W	33	76
5 16	17 40.62	−12 29.9	1.901	2.811	10.9	20.6	148 W	32	77
5 26	17 31.57	−13 7.9	1.821	2.791	7.4	20.4	159 W	32	77
6 5	17 20.61	−13 55.2	1.767	2.770	4.0	20.1	169 W	31	78
6 15	17 8.62	−14 50.7	1.742	2.748	3.8	20.1	170 E	30	79
6 25	16 56.75	−15 52.5	1.747	2.725	7.3	20.2	160 E	29	80
7 5	16 46.12	−16 58.4	1.779	2.701	11.2	20.4	149 E	28	81
7 15	16 37.64	−18 6.8	1.835	2.677	14.8	20.6	138 E	27	82
7 25	16 31.90	−19 16.6	1.910	2.651	17.8	20.8	127 E	26	83
8 4	16 29.13	−20 26.9	2.001	2.625	20.1	20.9	117 E	24*	84
8 14	16 29.36	−21 37.3	2.101	2.597	21.8	21.0	108 E	23*	86
8 24	16 32.44	−22 47.2	2.207	2.569	22.9	21.2	99 E	21*	87
9 3	16 38.15	−23 56.0	2.316	2.541	23.4	21.3	91 E	19*	85*
9 13	16 46.25	−25 2.8	2.423	2.511	23.4	21.3	83 E	17*	77*
9 23	16 56.53	−26 6.8	2.526	2.481	23.1	21.4	76 E	16*	70*
10 3	17 8.77	−27 7.0	2.624	2.450	22.4	21.4	69 E	14*	63*
10 13	17 22.80	−28 2.4	2.715	2.418	21.4	21.4	62 E	13*	56*
10 23	17 38.46	−28 51.8	2.796	2.386	20.2	21.4	56 E	11*	50*
11 2	17 55.60	−29 34.1	2.867	2.353	18.8	21.4	50 E	10*	44*
11 12	18 14.09	−30 8.2	2.928	2.319	17.2	21.4	44 E	9*	38*
11 22	18 33.80	−30 33.1	2.976	2.285	15.6	21.3	38 E	7*	32*
12 2	18 54.60	−30 47.7	3.013	2.251	13.8	21.2	33 E	6*	27*
12 12	19 16.37	−30 51.1	3.038	2.216	12.0	21.2	28 E	4*	22*
12 22	19 38.96	−30 42.7	3.051	2.181	10.2	21.1	23 E	2*	17*
1 1	20 2.26	−30 21.8	3.053	2.146	8.5	21.0	19 E	—	13*
1 11	20 26.14	−29 48.1	3.044	2.111	7.0	20.9	15 E	—	9*
1 21	20 50.48	−29 1.4	3.024	2.075	6.0	20.8	13 E	—	6*
357060 2001 OC_{99}									
4 6	17 52.08	+ 1 9.3	2.249	2.710	20.7	21.4	107 W	46	63
4 16	17 54.86	+ 2 14.5	2.115	2.690	19.8	21.3	114 W	47	62
4 26	17 55.15	+ 3 19.0	1.989	2.669	18.5	21.1	123 W	48	61
5 6	17 52.78	+ 4 18.3	1.877	2.647	16.8	20.9	131 W	49	60
5 16	17 47.71	+ 5 7.0	1.780	2.625	14.8	20.7	139 W	50	59
5 26	17 40.14	+ 5 38.6	1.702	2.601	12.8	20.5	145 W	51	58
5 31	17 35.58	+ 5 46.2	1.671	2.589	11.9	20.4	148 W	51	58
6 5	17 30.62	+ 5 47.4	1.646	2.576	11.3	20.3	150 W	51	58
6 10	17 25.37	+ 5 41.7	1.627	2.564	11.0	20.3	151 W	51	58
6 15	17 19.97	+ 5 28.9	1.614	2.551	11.1	20.3	151 E	50	59
6 25	17 9.29	+ 4 41.5	1.606	2.525	12.4	20.3	148 E	50	59
7 5	16 59.66	+ 3 27.4	1.622	2.498	14.7	20.4	141 E	48	61
7 15	16 52.00	+ 1 51.2	1.658	2.470	17.4	20.5	133 E	47	62
7 20	16 49.13	+ 0 56.7	1.684	2.456	18.7	20.5	129 E	46	63
7 25	16 46.96	− 0 0.8	1.713	2.441	19.9	20.6	125 E	45	64
7 30	16 45.52	− 1 0.7	1.746	2.427	21.1	20.7	121 E	44	65
8 4	16 44.81	− 2 2.3	1.781	2.412	22.1	20.7	117 E	43*	66
8 9	16 44.85	− 3 4.9	1.820	2.397	23.0	20.8	112 E	42*	67
8 14	16 45.61	− 4 8.0	1.861	2.382	23.8	20.9	108 E	41*	68
8 19	16 47.09	− 5 11.1	1.903	2.366	24.5	20.9	104 E	39*	69
8 24	16 49.26	− 6 13.7	1.947	2.351	25.0	21.0	100 E	38*	70
8 29	16 52.07	− 7 15.5	1.991	2.335	25.4	21.0	97 E	36*	71
9 3	16 55.52	− 8 16.1	2.037	2.320	25.7	21.0	93 E	35*	72*
9 8	16 59.58	− 9 15.5	2.082	2.304	25.9	21.1	89 E	34*	72*
9 13	17 4.21	−10 13.2	2.128	2.288	26.0	21.1	86 E	33*	72*
9 18	17 9.39	−11 9.0	2.173	2.272	26.0	21.2	82 E	31*	70*
9 23	17 15.08	−12 2.9	2.218	2.255	25.9	21.2	79 E	30*	68*
9 28	17 21.27	−12 54.6	2.262	2.239	25.7	21.2	76 E	29*	66*
10 3	17 27.93	−13 44.0	2.305	2.222	25.5	21.2	73 E	28*	63*
10 8	17 35.04	−14 30.9	2.347	2.206	25.1	21.2	70 E	27*	60*
10 13	17 42.58	−15 15.3	2.388	2.189	24.7	21.2	66 E	26*	57*
10 18	17 50.53	−15 56.9	2.427	2.172	24.2	21.2	63 E	25*	55*
10 23	17 58.85	−16 35.7	2.465	2.156	23.7	21.2	60 E	24*	52*
10 28	18 7.55	−17 11.5	2.501	2.139	23.1	21.2	58 E	24*	49*
11 2	18 16.60	−17 44.2	2.535	2.122	22.4	21.2	55 E	23*	46*
11 7	18 25.98	−18 13.9	2.567	2.105	21.7	21.2	52 E	22*	43*
11 12	18 35.68	−18 40.2	2.597	2.088	21.0	21.2	49 E	21*	40*
11 17	18 45.67	−19 3.2	2.625	2.071	20.2	21.2	46 E	20*	37*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
357060 2001 OC_{99} *(continuation)*									
11 22	18 55.94	−19 22.7	2.651	2.054	19.4	21.2	44 E	20*	34*
11 27	19 6.48	−19 38.8	2.675	2.037	18.6	21.1	41 E	19*	31*
12 2	19 17.27	−19 51.2	2.696	2.020	17.7	21.1	38 E	18*	28*
12 7	19 28.29	−20 0.1	2.716	2.003	16.8	21.1	36 E	17*	25*
12 12	19 39.53	−20 5.2	2.733	1.987	15.9	21.0	33 E	16*	23*
12 17	19 50.96	−20 6.7	2.747	1.970	14.9	21.0	31 E	15*	20*
12 22	20 2.58	−20 4.5	2.760	1.953	13.9	21.0	29 E	14*	18*
12 27	20 14.36	−19 58.6	2.770	1.937	13.0	20.9	26 E	13*	16*
1 1	20 26.30	−19 49.0	2.778	1.920	12.0	20.9	24 E	11*	14*
1 6	20 38.39	−19 35.7	2.784	1.904	11.0	20.8	22 E	10*	12*
1 11	20 50.61	−19 18.7	2.787	1.888	10.0	20.8	19 E	8*	10*
1 16	21 2.93	−18 58.3	2.789	1.873	9.0	20.7	17 E	7*	8*
1 21	21 15.37	−18 34.3	2.789	1.857	8.0	20.6	15 E	5*	7*
363369 2002 TU_{53}									
4 6	17 53.45	−18 28.4	2.045	2.534	22.1	21.3	108 W	27	82
4 16	17 59.00	−17 35.6	1.888	2.497	21.2	21.1	116 W	27	82
4 26	18 2.07	−16 35.6	1.741	2.460	19.6	20.8	125 W	28	81
5 6	18 2.36	−15 29.1	1.607	2.422	17.4	20.6	134 W	30	79
5 16	17 59.66	−14 17.5	1.489	2.383	14.4	20.3	144 W	31	78
5 26	17 54.00	−13 3.1	1.391	2.344	10.9	19.9	154 W	32	77
6 5	17 45.74	−11 49.2	1.315	2.305	7.3	19.6	163 W	33	76
6 10	17 40.86	−11 13.7	1.286	2.285	6.0	19.5	166 W	34	75
6 15	17 35.67	−10 40.2	1.263	2.266	5.6	19.4	167 W	34	75
6 20	17 30.32	−10 9.3	1.247	2.246	6.5	19.4	166 E	35	74
6 25	17 25.01	− 9 41.5	1.237	2.226	8.2	19.5	162 E	35	74
7 5	17 15.11	− 8 57.5	1.235	2.186	12.6	19.6	152 E	36	73
7 15	17 7.23	− 8 31.1	1.254	2.146	17.1	19.8	142 E	36	73
7 25	17 2.32	− 8 22.8	1.290	2.106	21.1	19.9	132 E	37	72
8 4	17 0.81	− 8 30.7	1.340	2.067	24.5	20.1	122 E	36	73
8 14	17 2.84	− 8 51.7	1.398	2.028	27.3	20.2	114 E	36*	73
8 24	17 8.30	− 9 22.1	1.462	1.990	29.3	20.3	106 E	35*	73
9 3	17 16.93	− 9 57.8	1.529	1.952	30.7	20.4	98 E	34*	74
9 13	17 28.46	−10 35.4	1.597	1.915	31.7	20.5	92 E	33*	74*
9 23	17 42.59	−11 11.3	1.664	1.879	32.2	20.5	86 E	33*	72*
10 3	17 59.05	−11 42.3	1.729	1.845	32.3	20.6	80 E	32*	68*
10 13	18 17.59	−12 5.7	1.791	1.813	32.1	20.6	75 E	31*	63*
10 23	18 37.96	−12 18.9	1.851	1.782	31.7	20.6	70 E	31*	58*
11 2	18 59.93	−12 19.7	1.908	1.753	31.1	20.7	66 E	31*	53*
11 12	19 23.29	−12 6.3	1.962	1.727	30.3	20.7	62 E	31*	48*
11 22	19 47.79	−11 37.5	2.014	1.703	29.3	20.7	58 E	31*	43*
12 2	20 13.20	−10 52.6	2.064	1.683	28.2	20.7	54 E	31*	37*
12 12	20 39.35	− 9 51.3	2.112	1.665	27.0	20.6	50 E	31*	32*
12 22	21 6.00	− 8 34.3	2.160	1.651	25.8	20.6	47 E	31*	28*
1 1	21 33.00	− 7 2.6	2.207	1.640	24.4	20.6	44 E	30*	23*
1 11	22 0.20	− 5 17.8	2.255	1.633	22.9	20.6	40 E	29*	20*
1 21	22 27.49	− 3 22.2	2.302	1.630	21.4	20.6	37 E	28*	16*
168728 2000 OZ_{33}									
4 6	18 1.10	−24 36.1	2.031	2.498	22.7	21.4	106 W	20*	89
4 16	18 7.34	−24 26.2	1.878	2.466	21.8	21.2	114 W	21	88
4 26	18 11.03	−24 14.2	1.732	2.434	20.2	20.9	123 W	21	88
5 6	18 11.79	−24 0.3	1.599	2.400	18.0	20.7	133 W	21	88
5 16	18 9.33	−23 44.5	1.480	2.367	14.9	20.4	143 W	21	88
5 26	18 3.59	−23 26.1	1.380	2.332	11.0	20.0	154 W	22	87
6 5	17 54.87	−23 4.0	1.301	2.297	6.4	19.7	165 W	22	87
6 10	17 49.61	−22 51.2	1.271	2.280	3.8	19.5	171 W	22	87
6 15	17 43.94	−22 37.3	1.247	2.262	1.2	19.2	177 W	22	87
6 20	17 38.05	−22 22.4	1.229	2.244	1.7	19.2	176 E	23	86
6 25	17 32.14	−22 6.7	1.218	2.226	4.5	19.4	170 E	23	86
6 30	17 26.39	−21 50.5	1.213	2.208	7.3	19.5	164 E	23	86
7 5	17 20.99	−21 34.2	1.214	2.190	10.0	19.6	158 E	23	86
7 10	17 16.13	−21 18.4	1.221	2.172	12.7	19.7	152 E	24	85
7 15	17 11.95	−21 3.4	1.233	2.153	15.2	19.8	146 E	24	85
7 25	17 6.10	−20 37.9	1.270	2.117	19.7	19.9	135 E	24	85
8 4	17 3.93	−20 19.9	1.322	2.080	23.5	20.1	125 E	25	84
8 14	17 5.57	−20 9.7	1.385	2.044	26.4	20.3	116 E	25*	84
8 24	17 10.85	−20 6.5	1.454	2.007	28.7	20.4	108 E	25*	84
9 3	17 19.45	−20 7.8	1.527	1.971	30.3	20.5	100 E	24*	84
9 13	17 31.03	−20 11.2	1.601	1.936	31.3	20.6	93 E	24*	84*
9 23	17 45.25	−20 13.6	1.674	1.901	31.8	20.7	87 E	24*	79*
10 3	18 1.77	−20 11.9	1.746	1.867	31.9	20.7	81 E	24*	73*
10 13	18 20.33	−20 3.6	1.814	1.834	31.7	20.8	75 E	24*	68*
10 23	18 40.64	−19 45.8	1.879	1.802	31.3	20.8	70 E	24*	62*
11 2	19 2.44	−19 16.5	1.940	1.772	30.6	20.8	65 E	24*	56*
11 12	19 25.51	−18 33.8	1.998	1.744	29.7	20.8	61 E	25*	51*
11 22	19 49.59	−17 36.3	2.052	1.717	28.7	20.8	57 E	25*	45*
12 2	20 14.47	−16 23.2	2.102	1.693	27.5	20.8	53 E	26*	40*
12 12	20 39.97	−14 54.2	2.149	1.672	26.3	20.8	49 E	26*	35*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
168728 2000 OZ_{33} *(continuation)*									
12 22	21 5.90	−13 9.7	2.194	1.653	24.9	20.7	45 E	27*	30*
1 1	21 32.12	−11 10.7	2.236	1.637	23.5	20.7	42 E	27*	25*
1 11	21 58.53	− 8 58.4	2.277	1.624	22.0	20.7	38 E	26*	21*
1 21	22 25.03	− 6 34.9	2.317	1.614	20.5	20.7	35 E	25*	17*
329338 2001 JW_2									
4 6	18 3.64	−28 19.8	0.862	1.483	40.6	21.1	105 W	17*	88
4 11	18 19.44	−27 46.9	0.795	1.447	41.6	20.9	107 W	17*	88
4 16	18 36.19	−27 0.6	0.731	1.411	42.6	20.7	108 W	18*	89
4 21	18 54.05	−25 57.9	0.670	1.374	43.8	20.5	109 W	19*	90
4 26	19 13.23	−24 35.1	0.612	1.338	45.3	20.3	109 W	20*	89
5 1	19 33.96	−22 47.6	0.558	1.301	47.1	20.1	109 W	22*	87
5 6	19 56.47	−20 29.8	0.508	1.264	49.3	19.9	108 W	23*	84
5 11	20 20.96	−17 35.7	0.463	1.227	52.0	19.7	107 W	26*	82
5 16	20 47.63	−13 59.5	0.424	1.190	55.3	19.5	105 W	28*	78
5 21	21 16.57	− 9 37.7	0.391	1.154	59.3	19.4	101 W	32*	74
5 26	21 47.77	− 4 31.6	0.367	1.119	64.0	19.3	97 W	35*	69
5 28	22 0.84	− 2 18.7	0.359	1.105	66.0	19.3	95 W	36*	66
5 30	22 14.20	− 0 1.1	0.353	1.091	68.1	19.3	93 W	37*	64
6 1	22 27.82	+ 2 19.7	0.349	1.077	70.2	19.3	91 W	39*	62
6 3	22 41.66	+ 4 42.4	0.346	1.064	72.4	19.4	89 W	40*	59
6 5	22 55.68	+ 7 5.2	0.345	1.051	74.5	19.4	86 W	41*	57
6 7	23 9.83	+ 9 26.6	0.345	1.038	76.6	19.4	84 W	42*	55
6 9	23 24.04	+11 44.9	0.346	1.025	78.6	19.5	82 W	43*	52
6 11	23 38.28	+13 58.6	0.349	1.013	80.5	19.6	80 W	43*	50*
6 13	23 52.49	+16 6.4	0.354	1.001	82.3	19.6	78 W	44*	48*
6 15	0 6.62	+18 7.4	0.359	0.989	83.9	19.7	76 W	44*	46*
6 20	0 41.30	+22 35.2	0.379	0.962	87.2	19.9	71 W	45*	41*
6 25	1 14.66	+26 10.9	0.405	0.937	89.4	20.0	67 W	45*	37*
6 30	1 46.35	+28 57.0	0.435	0.915	90.5	20.2	64 W	45*	34*
7 5	2 16.26	+30 59.9	0.470	0.897	90.5	20.3	62 W	45*	31*
7 10	2 44.38	+32 26.6	0.507	0.883	89.8	20.4	60 W	45*	29*
7 15	3 10.83	+33 24.0	0.546	0.874	88.3	20.5	59 W	45*	28*
7 20	3 35.76	+33 57.5	0.585	0.869	86.3	20.6	59 W	46*	27*
7 25	3 59.32	+34 11.9	0.625	0.869	84.0	20.6	58 W	46*	26*
7 30	4 21.63	+34 10.6	0.665	0.874	81.4	20.7	58 W	47*	26*
8 4	4 42.79	+33 56.5	0.703	0.883	78.6	20.7	59 W	47*	26*
8 9	5 2.84	+33 31.9	0.740	0.896	75.9	20.8	59 W	48*	26*
8 14	5 21.79	+32 58.3	0.774	0.914	73.2	20.8	60 W	49*	26*
8 19	5 39.69	+32 17.5	0.806	0.936	70.6	20.9	61 W	50*	26*
8 24	5 56.56	+31 30.6	0.835	0.960	68.1	20.9	62 W	52*	27*
8 29	6 12.41	+30 38.9	0.861	0.988	65.8	21.0	63 W	53*	27*
9 3	6 27.26	+29 43.4	0.884	1.017	63.6	21.0	65 W	54*	28*
9 8	6 41.11	+28 44.8	0.903	1.049	61.6	21.1	66 W	56*	29*
9 13	6 53.95	+27 43.8	0.918	1.082	59.7	21.1	68 W	57*	30*
9 18	7 5.81	+26 41.3	0.931	1.117	57.9	21.2	70 W	59*	31*
9 23	7 16.70	+25 37.8	0.939	1.152	56.2	21.2	73 W	60*	33*
9 28	7 26.62	+24 33.7	0.945	1.188	54.6	21.2	75 W	62*	34*
10 3	7 35.56	+23 29.5	0.947	1.225	53.0	21.3	78 W	63*	36*
10 8	7 43.49	+22 25.7	0.946	1.262	51.4	21.3	81 W	64*	37*
10 13	7 50.39	+21 22.7	0.942	1.299	49.8	21.3	84 W	65*	39*
10 18	7 56.24	+20 20.8	0.935	1.336	48.2	21.3	87 W	65*	41*
10 23	8 0.99	+19 20.4	0.926	1.372	46.5	21.3	91 W	64*	42*
10 28	8 4.59	+18 21.7	0.915	1.409	44.6	21.3	95 W	63	44*
11 2	8 7.00	+17 25.2	0.903	1.445	42.7	21.2	99 W	62	46*
11 7	8 8.12	+16 31.1	0.889	1.481	40.5	21.2	104 W	62	47*
11 12	8 7.91	+15 39.9	0.875	1.517	38.2	21.1	109 W	61	48*
11 17	8 6.31	+14 51.8	0.861	1.552	35.6	21.1	114 W	60	49
11 22	8 3.31	+14 7.3	0.847	1.586	32.9	21.0	119 W	59	50
11 27	7 58.87	+13 26.6	0.836	1.620	29.8	21.0	125 W	58	51
12 2	7 53.03	+12 50.1	0.826	1.653	26.6	20.9	131 W	58	51
12 7	7 45.88	+12 18.2	0.820	1.686	23.1	20.8	138 W	57	52
12 12	7 37.60	+11 51.2	0.819	1.718	19.4	20.7	145 W	57	52
12 17	7 28.42	+11 29.1	0.822	1.750	15.7	20.6	151 W	56	53
12 22	7 18.66	+11 12.0	0.831	1.781	12.1	20.6	158 W	56	53
12 27	7 8.65	+11 0.0	0.847	1.811	8.9	20.5	163 W	56	53
1 1	6 58.76	+10 52.7	0.869	1.841	6.7	20.5	167 W	56	53
1 6	6 49.33	+10 50.1	0.897	1.870	6.5	20.6	168 E	56	53
1 11	6 40.68	+10 51.6	0.933	1.898	8.1	20.8	164 E	56	53
1 16	6 33.02	+10 56.8	0.975	1.926	10.6	21.0	159 E	56	53
1 21	6 26.49	+11 5.0	1.023	1.953	13.1	21.3	153 E	56	53
452314 1999 LN_{28}									
4 6	18 10.18	− 9 9.1	0.864	1.463	41.8	21.3	103 W	36*	73
4 16	18 41.84	− 8 20.1	0.760	1.405	43.7	21.0	105 W	36*	72
4 26	19 16.36	− 7 18.5	0.669	1.349	45.9	20.7	106 W	37*	71
5 6	19 54.32	− 6 6.6	0.591	1.298	48.5	20.4	105 W	38*	70
5 16	20 36.05	− 4 48.6	0.527	1.252	51.4	20.2	105 W	38*	69
5 26	21 21.46	− 3 30.8	0.477	1.212	54.6	20.0	103 W	38*	68

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
452314 1999 LN_{28} *(continuation)*									
5 31	21 45.33	− 2 54.3	0.458	1.194	56.2	19.9	102 W	38*	67
6 5	22 9.72	− 2 20.6	0.443	1.179	57.7	19.9	101 W	38*	66
6 10	22 34.35	− 1 51.1	0.431	1.166	59.1	19.8	99 W	38*	66
6 15	22 58.93	− 1 26.5	0.423	1.156	60.4	19.8	98 W	37*	65
6 25	23 46.72	− 0 55.0	0.415	1.142	62.1	19.8	97 W	37*	65
7 5	0 30.89	− 0 48.1	0.417	1.139	62.5	19.8	96 W	37*	65
7 15	1 9.79	− 1 5.9	0.425	1.147	61.7	19.8	97 W	38*	65
7 25	1 42.64	− 1 46.5	0.436	1.165	59.6	19.9	99 W	39*	66
8 4	2 9.20	− 2 47.3	0.449	1.192	56.4	19.9	102 W	40*	67
8 14	2 29.25	− 4 7.2	0.460	1.227	52.2	19.9	107 W	40*	68
8 24	2 42.67	− 5 42.8	0.471	1.270	47.2	19.9	113 W	39	70
8 29	2 46.88	− 6 35.0	0.477	1.294	44.4	19.9	116 W	38	71
9 3	2 49.38	− 7 29.0	0.482	1.319	41.4	19.8	120 W	38	71
9 8	2 50.18	− 8 23.8	0.488	1.345	38.2	19.8	124 W	37	72
9 13	2 49.32	− 9 17.6	0.496	1.372	34.9	19.8	129 W	36	73
9 18	2 46.90	−10 8.6	0.504	1.400	31.5	19.8	133 W	35	74
9 23	2 43.07	−10 54.7	0.515	1.428	28.1	19.8	138 W	34	75
9 28	2 38.01	−11 34.1	0.529	1.458	24.7	19.8	143 W	33	76
10 3	2 31.97	−12 4.9	0.545	1.488	21.5	19.8	147 W	33	76
10 8	2 25.25	−12 25.4	0.565	1.518	18.7	19.8	151 W	33	76
10 13	2 18.20	−12 34.6	0.588	1.548	16.4	19.9	154 W	32	77
10 18	2 11.17	−12 32.1	0.617	1.579	15.0	20.0	156 W	32	77
10 23	2 4.47	−12 18.2	0.649	1.610	14.5	20.1	156 W	33	76
10 28	1 58.33	−11 53.8	0.686	1.641	14.9	20.3	155 E	33	76
11 2	1 52.95	−11 20.1	0.728	1.672	15.9	20.5	153 E	34	75
11 7	1 48.46	−10 38.4	0.774	1.703	17.2	20.7	149 E	34	75
11 12	1 44.95	− 9 50.2	0.824	1.734	18.8	20.9	146 E	35	74
11 17	1 42.43	− 8 56.8	0.879	1.765	20.3	21.2	142 E	36	73
11 22	1 40.88	− 7 59.5	0.938	1.796	21.7	21.4	138 E	37	72
360521 2003 QD_{62}									
4 6	18 13.24	−26 0.2	1.801	2.250	25.7	21.3	103 W	19*	90
4 16	18 23.76	−26 23.1	1.649	2.211	25.1	21.1	111 W	19*	90
4 26	18 32.19	−26 49.1	1.504	2.172	24.0	20.8	118 W	18	89
5 6	18 38.10	−27 20.1	1.370	2.133	22.3	20.5	127 W	18	89
5 16	18 40.95	−27 57.5	1.247	2.094	19.7	20.2	136 W	17	88
5 26	18 40.34	−28 41.5	1.138	2.054	16.3	19.8	145 W	16	87
6 5	18 36.00	−29 30.2	1.047	2.015	12.0	19.4	156 W	15	86
6 10	18 32.45	−29 55.0	1.009	1.996	9.6	19.3	161 W	15	86
6 15	18 28.08	−30 19.1	0.976	1.977	7.2	19.1	166 W	15	86
6 20	18 23.01	−30 41.7	0.948	1.958	5.0	18.9	170 W	14	85
6 25	18 17.43	−31 1.8	0.926	1.939	4.0	18.7	172 W	14	85
6 30	18 11.57	−31 18.8	0.910	1.920	5.1	18.7	170 E	14	85
7 5	18 5.65	−31 32.0	0.899	1.901	7.5	18.8	166 E	13	84
7 10	17 59.96	−31 41.2	0.893	1.883	10.4	18.9	161 E	13	84
7 15	17 54.78	−31 46.4	0.893	1.865	13.3	19.0	155 E	13	84
7 20	17 50.34	−31 48.0	0.897	1.847	16.2	19.1	150 E	13	84
7 25	17 46.84	−31 46.4	0.905	1.829	18.9	19.2	144 E	13	84
7 30	17 44.42	−31 42.2	0.918	1.812	21.5	19.3	139 E	13	84
8 4	17 43.17	−31 35.9	0.933	1.795	23.9	19.3	134 E	13	84
8 14	17 44.37	−31 19.4	0.973	1.763	28.1	19.5	125 E	14	85
8 24	17 50.46	−30 59.2	1.021	1.732	31.4	19.7	117 E	14	85
9 3	18 1.01	−30 35.5	1.075	1.704	33.9	19.8	110 E	14	85
9 8	18 7.80	−30 21.8	1.104	1.690	34.9	19.9	106 E	15	86
9 13	18 15.51	−30 6.5	1.133	1.678	35.7	20.0	103 E	15	86
9 18	18 24.05	−29 49.3	1.163	1.666	36.4	20.0	100 E	15	86
9 23	18 33.35	−29 29.8	1.193	1.655	37.0	20.1	97 E	16*	87
9 28	18 43.32	−29 7.5	1.224	1.644	37.4	20.1	95 E	16*	87*
10 3	18 53.91	−28 42.2	1.255	1.634	37.7	20.2	92 E	16*	86*
10 8	19 5.04	−28 13.4	1.287	1.625	37.9	20.2	90 E	17	84*
10 13	19 16.65	−27 40.9	1.319	1.617	38.0	20.3	87 E	17	81*
10 18	19 28.67	−27 4.5	1.351	1.610	38.1	20.3	85 E	18	79*
10 23	19 41.02	−26 23.9	1.383	1.604	38.0	20.4	83 E	19	77*
10 28	19 53.66	−25 39.0	1.416	1.598	37.9	20.4	81 E	19	75*
11 2	20 6.53	−24 49.7	1.450	1.594	37.7	20.4	79 E	20	72*
11 7	20 19.58	−23 56.0	1.483	1.590	37.4	20.5	77 E	21	70*
11 12	20 32.77	−22 58.0	1.517	1.588	37.1	20.5	75 E	22	67*
11 17	20 46.04	−21 55.7	1.552	1.586	36.7	20.5	74 E	23	65*
11 22	20 59.36	−20 49.3	1.587	1.586	36.3	20.6	72 E	24*	62*
11 27	21 12.69	−19 39.1	1.623	1.586	35.8	20.6	70 E	25*	59*
12 2	21 26.01	−18 25.2	1.659	1.587	35.3	20.7	68 E	27*	57*
12 7	21 39.31	−17 7.9	1.696	1.589	34.7	20.7	67 E	28*	54*
12 12	21 52.55	−15 47.5	1.734	1.593	34.1	20.7	65 E	29*	51*
12 17	22 5.72	−14 24.4	1.772	1.597	33.5	20.8	63 E	30*	48*
12 22	22 18.81	−12 59.0	1.811	1.602	32.8	20.8	62 E	31*	46*
12 27	22 31.81	−11 31.5	1.851	1.608	32.1	20.8	60 E	32*	43*
1 1	22 44.73	−10 2.4	1.892	1.615	31.3	20.9	59 E	33*	41*
1 6	22 57.55	− 8 32.0	1.933	1.623	30.6	20.9	57 E	34*	38*
1 11	23 10.29	− 7 0.7	1.974	1.632	29.8	20.9	55 E	35*	36*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
360521 2003 QD_{62} *(continuation)*									
1 16	23 22.93	− 5 28.8	2.017	1.641	28.9	21.0	54 E	35*	34*
1 21	23 35.48	− 3 56.8	2.060	1.651	28.1	21.0	52 E	35*	32*
306614 2000 QL_2									
4 6	18 15.15	−40 28.1	2.644	3.023	18.9	21.5	103 W	4*	76
4 16	18 18.48	−40 50.7	2.499	3.011	18.1	21.3	111 W	4	75
4 26	18 18.86	−41 12.3	2.362	2.998	16.9	21.1	120 W	4	75
5 6	18 16.03	−41 30.6	2.237	2.984	15.1	21.0	130 W	3	74
5 16	18 9.85	−41 41.8	2.127	2.969	12.8	20.8	139 W	3	74
5 26	18 0.53	−41 40.7	2.038	2.953	10.2	20.6	149 W	3	74
6 5	17 48.69	−41 22.1	1.973	2.937	7.5	20.4	158 W	4	75
6 10	17 42.15	−41 5.0	1.950	2.928	6.5	20.3	161 W	4	75
6 15	17 35.41	−40 42.4	1.934	2.919	6.0	20.2	163 W	4	75
6 20	17 28.66	−40 14.3	1.925	2.910	6.1	20.2	162 E	5	76
6 25	17 22.09	−39 41.1	1.923	2.900	6.8	20.2	160 E	5	76
6 30	17 15.86	−39 3.5	1.928	2.891	8.0	20.3	157 E	6	77
7 5	17 10.12	−38 22.1	1.940	2.881	9.4	20.4	153 E	7	78
7 10	17 4.99	−37 37.9	1.958	2.870	10.9	20.4	148 E	7	78
7 15	17 0.57	−36 51.9	1.983	2.860	12.4	20.5	143 E	8	79
7 20	16 56.92	−36 5.0	2.013	2.849	13.8	20.6	138 E	9	80
7 25	16 54.08	−35 18.1	2.048	2.839	15.2	20.7	133 E	10	81
7 30	16 52.06	−34 31.9	2.087	2.828	16.4	20.7	128 E	10	81
8 4	16 50.84	−33 47.0	2.131	2.816	17.6	20.8	123 E	11	82
8 9	16 50.42	−33 3.9	2.178	2.805	18.5	20.9	118 E	12*	83
8 14	16 50.75	−32 22.8	2.227	2.793	19.4	20.9	114 E	12*	84
8 19	16 51.81	−31 44.0	2.279	2.781	20.1	21.0	109 E	13*	84
8 24	16 53.56	−31 7.5	2.333	2.769	20.7	21.1	105 E	13*	85
8 29	16 55.93	−30 33.2	2.389	2.757	21.1	21.1	100 E	14*	85
9 3	16 58.90	−30 1.1	2.445	2.744	21.4	21.2	96 E	14*	86*
9 8	17 2.44	−29 31.1	2.501	2.731	21.6	21.2	92 E	14*	85*
9 13	17 6.49	−29 2.8	2.558	2.718	21.7	21.3	88 E	14*	81*
9 18	17 11.02	−28 36.2	2.614	2.705	21.7	21.3	84 E	15*	78*
9 23	17 15.99	−28 10.8	2.670	2.691	21.6	21.3	80 E	15*	74*
9 28	17 21.37	−27 46.6	2.724	2.677	21.4	21.4	77 E	15*	71*
10 3	17 27.14	−27 23.2	2.778	2.664	21.1	21.4	73 E	15*	67*
10 8	17 33.26	−27 0.4	2.830	2.649	20.7	21.4	69 E	15*	63*
10 13	17 39.71	−26 38.0	2.880	2.635	20.2	21.4	66 E	15*	60*
10 18	17 46.46	−26 15.6	2.928	2.621	19.7	21.4	62 E	15*	56*
10 23	17 53.48	−25 53.1	2.974	2.606	19.1	21.4	59 E	15*	53*
10 28	18 0.77	−25 30.2	3.017	2.591	18.5	21.4	56 E	15*	49*
11 2	18 8.29	−25 6.7	3.058	2.576	17.8	21.4	52 E	15*	46*
11 7	18 16.02	−24 42.4	3.096	2.560	17.0	21.4	49 E	15*	42*
11 12	18 23.96	−24 17.2	3.132	2.545	16.2	21.4	46 E	15*	39*
11 17	18 32.08	−23 50.7	3.164	2.529	15.4	21.4	43 E	15*	35*
11 22	18 40.37	−23 23.0	3.193	2.513	14.5	21.3	40 E	14*	32*
11 27	18 48.80	−22 53.7	3.220	2.497	13.6	21.3	37 E	14*	28*
12 2	18 57.37	−22 22.8	3.242	2.481	12.7	21.3	34 E	14*	25*
12 7	19 6.06	−21 50.2	3.262	2.465	11.7	21.2	31 E	13*	21*
12 12	19 14.86	−21 15.7	3.278	2.448	10.7	21.2	28 E	12*	18*
12 17	19 23.75	−20 39.2	3.291	2.431	9.7	21.2	25 E	11*	15*
12 22	19 32.72	−20 0.7	3.301	2.414	8.7	21.1	22 E	10*	12*
12 27	19 41.76	−19 20.0	3.307	2.397	7.6	21.0	19 E	9*	8*
1 1	19 50.87	−18 37.0	3.309	2.380	6.6	21.0	16 E	7*	6*
1 6	20 0.04	−17 51.8	3.309	2.363	5.5	20.9	13 E	6*	3*
1 11	20 9.24	−17 4.3	3.304	2.345	4.5	20.8	11 E	4*	—
1 16	20 18.48	−16 14.3	3.297	2.328	3.5	20.8	8 E	2*	—
1 21	20 27.75	−15 22.0	3.286	2.310	2.6	20.7	6 E	—	—
495195 2013 BX_{22}									
4 6	18 19.52	−24 0.8	1.954	2.369	24.4	21.5	102 W	21*	88
4 16	18 23.55	−22 51.3	1.860	2.403	23.0	21.3	111 W	22*	87
4 26	18 24.37	−21 36.6	1.772	2.437	20.9	21.2	120 W	23	86
5 6	18 21.89	−20 17.4	1.696	2.470	18.2	21.1	130 W	25	84
5 16	18 16.19	−18 54.7	1.634	2.503	14.7	20.9	141 W	26	83
5 26	18 7.69	−17 30.2	1.594	2.534	10.7	20.7	152 W	27	82
6 5	17 57.16	−16 6.6	1.577	2.566	6.5	20.5	163 W	29	80
6 15	17 45.69	−14 47.7	1.588	2.596	3.5	20.4	171 W	30	79
6 20	17 39.98	−14 11.3	1.604	2.611	3.8	20.5	170 E	31	78
6 25	17 34.50	−13 37.7	1.627	2.626	5.2	20.6	166 E	31	78
6 30	17 29.38	−13 7.0	1.657	2.641	7.1	20.7	161 E	32	77
7 5	17 24.71	−12 39.8	1.694	2.655	8.9	20.9	156 E	32	77
7 10	17 20.60	−12 16.1	1.736	2.669	10.8	21.0	151 E	33	76
7 15	17 17.10	−11 56.0	1.785	2.683	12.5	21.1	145 E	33	76
7 20	17 14.27	−11 39.5	1.839	2.697	14.0	21.3	140 E	33	76
7 25	17 12.13	−11 26.3	1.897	2.711	15.4	21.4	135 E	34	75
391852 2008 SB_{294}									
4 6	18 19.55	−15 6.1	1.446	1.912	30.9	21.4	101 W	30*	79
4 16	18 34.44	−14 36.2	1.318	1.879	30.7	21.2	107 W	30*	79
4 26	18 47.67	−14 4.0	1.197	1.847	29.9	20.9	114 W	31*	78
5 6	18 58.90	−13 32.9	1.083	1.816	28.6	20.6	120 W	31	78

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
391852 2008 SB_{294} *(continuation)*									
5 16	19 7.66	−13 7.4	0.979	1.787	26.6	20.3	128 W	32	77
5 26	19 13.55	−12 53.0	0.884	1.758	23.7	20.0	136 W	32	77
5 31	19 15.30	−12 51.7	0.842	1.745	22.0	19.8	140 W	32	77
6 5	19 16.19	−12 55.4	0.802	1.731	20.0	19.6	144 W	32	77
6 10	19 16.21	−13 4.7	0.767	1.718	17.7	19.4	149 W	32	77
6 15	19 15.35	−13 20.3	0.735	1.706	15.2	19.2	154 W	32	77
6 25	19 11.28	−14 11.6	0.683	1.683	9.7	18.8	164 W	31	78
7 5	19 4.79	−15 28.7	0.649	1.662	4.6	18.5	172 W	30	79
7 15	18 57.38	−17 6.4	0.633	1.643	6.4	18.5	170 E	28	81
7 20	18 53.95	−17 59.9	0.633	1.635	9.3	18.6	165 E	27	82
7 25	18 51.04	−18 54.7	0.636	1.628	12.5	18.7	160 E	26	83
7 30	18 48.85	−19 49.3	0.644	1.621	15.6	18.8	155 E	25	84
8 4	18 47.56	−20 42.7	0.656	1.615	18.6	19.0	149 E	24	85
8 9	18 47.31	−21 33.6	0.672	1.609	21.4	19.1	145 E	23	86
8 14	18 48.20	−22 21.3	0.691	1.605	24.0	19.2	140 E	23	86
8 24	18 53.49	−23 44.2	0.737	1.598	28.3	19.5	131 E	21	88
9 3	19 3.27	−24 47.5	0.794	1.594	31.7	19.8	124 E	20	89
9 13	19 17.06	−25 28.8	0.859	1.593	34.2	20.0	117 E	20	89
9 18	19 25.26	−25 40.8	0.894	1.594	35.1	20.1	114 E	19	90
9 23	19 34.18	−25 46.9	0.931	1.596	35.9	20.2	111 E	19	90
9 28	19 43.75	−25 46.9	0.969	1.599	36.5	20.3	108 E	19	90
10 3	19 53.86	−25 41.0	1.009	1.602	36.9	20.4	106 E	19	90
10 8	20 4.44	−25 29.2	1.050	1.607	37.3	20.5	103 E	20	89
10 13	20 15.42	−25 11.5	1.093	1.612	37.5	20.6	101 E	20	89
10 18	20 26.71	−24 48.1	1.136	1.617	37.5	20.7	98 E	20	89
10 23	20 38.23	−24 19.2	1.181	1.624	37.5	20.8	96 E	21	88*
10 28	20 49.93	−23 45.0	1.228	1.631	37.4	20.9	94 E	21	86*
11 2	21 1.76	−23 5.8	1.275	1.639	37.2	21.0	92 E	22	84*
11 7	21 13.66	−22 21.9	1.323	1.648	37.0	21.1	90 E	23	81*
11 12	21 25.61	−21 33.5	1.373	1.657	36.6	21.2	87 E	23	78*
11 17	21 37.57	−20 41.0	1.424	1.667	36.3	21.3	85 E	24	76*
11 22	21 49.49	−19 44.8	1.475	1.677	35.8	21.3	83 E	25	73*
11 27	22 1.36	−18 45.3	1.528	1.688	35.3	21.4	81 E	26	70*
12 2	22 13.16	−17 42.7	1.581	1.700	34.7	21.5	79 E	27	67*
489512 2007 PT_{22}									
4 6	18 21.06	−39 21.3	1.481	1.944	30.3	21.3	101 W	6*	77
4 11	18 30.82	−40 7.6	1.416	1.925	30.3	21.2	104 W	5*	76
4 16	18 40.36	−40 54.8	1.353	1.906	30.2	21.1	107 W	4*	75
4 21	18 49.65	−41 43.0	1.292	1.888	30.0	20.9	110 W	3*	74
4 26	18 58.63	−42 32.6	1.233	1.869	29.8	20.8	113 W	2*	73
5 1	19 7.25	−43 23.6	1.177	1.851	29.4	20.7	116 W	2*	73
5 6	19 15.43	−44 16.2	1.122	1.833	28.9	20.5	119 W	1*	72
5 11	19 23.07	−45 10.6	1.071	1.815	28.3	20.4	121 W	—	71
5 16	19 30.09	−46 6.6	1.021	1.798	27.7	20.3	124 W	—	70
5 21	19 36.39	−47 4.1	0.975	1.781	26.9	20.1	127 W	—	69
5 26	19 41.86	−48 2.7	0.932	1.764	26.0	20.0	130 W	—	68
5 31	19 46.39	−49 2.0	0.891	1.748	25.1	19.8	133 W	—	67
6 5	19 49.85	−50 1.1	0.854	1.732	24.1	19.7	136 W	—	66
6 10	19 52.09	−50 58.8	0.820	1.717	23.1	19.5	138 W	—	65
6 15	19 53.03	−51 53.7	0.789	1.702	22.1	19.4	141 W	—	64
6 20	19 52.61	−52 43.8	0.761	1.688	21.2	19.3	143 W	—	63
6 25	19 50.84	−53 27.0	0.737	1.674	20.4	19.2	145 W	—	63
6 30	19 47.77	−54 1.2	0.717	1.661	19.8	19.1	146 W	—	62
7 5	19 43.57	−54 24.0	0.700	1.649	19.5	19.0	147 W	—	62
7 10	19 38.51	−54 33.1	0.686	1.637	19.5	18.9	147 W	—	61
7 15	19 32.98	−54 26.9	0.676	1.626	19.8	18.9	147 E	—	62
7 20	19 27.46	−54 4.5	0.670	1.616	20.5	18.9	146 E	—	62
7 25	19 22.38	−53 25.9	0.667	1.607	21.4	18.9	145 E	—	63
7 30	19 18.13	−52 31.8	0.668	1.599	22.6	18.9	143 E	—	63
8 4	19 15.02	−51 23.6	0.671	1.591	23.9	19.0	140 E	—	65
8 9	19 13.24	−50 3.0	0.678	1.584	25.4	19.0	138 E	—	66
8 14	19 12.92	−48 32.2	0.689	1.578	26.9	19.1	135 E	—	67
8 19	19 14.06	−46 53.3	0.702	1.574	28.3	19.2	132 E	—	69
8 24	19 16.59	−45 8.4	0.718	1.570	29.7	19.3	130 E	—	71
8 29	19 20.37	−43 19.0	0.737	1.567	31.1	19.3	127 E	2	73
9 3	19 25.28	−41 26.7	0.758	1.565	32.3	19.4	124 E	4	75
9 8	19 31.19	−39 32.5	0.782	1.564	33.4	19.5	121 E	5	76
9 13	19 37.97	−37 37.5	0.809	1.564	34.4	19.6	119 E	7	78
9 18	19 45.50	−35 42.3	0.838	1.565	35.3	19.7	116 E	9	80
9 23	19 53.63	−33 47.5	0.869	1.567	36.0	19.8	113 E	11	82
9 28	20 2.26	−31 53.4	0.903	1.570	36.6	19.9	111 E	13	84
10 3	20 11.31	−30 0.4	0.939	1.574	37.1	20.0	108 E	15	86
10 8	20 20.70	−28 8.5	0.977	1.579	37.5	20.2	106 E	17	88
10 13	20 30.37	−26 17.8	1.016	1.585	37.7	20.3	104 E	19	90
10 18	20 40.26	−24 28.5	1.058	1.591	37.8	20.4	101 E	21	88
10 23	20 50.30	−22 40.6	1.102	1.599	37.9	20.5	99 E	22	87

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
489512 2007 PT_{22} *(continuation)*									
11 2	21 10.73	−19 8.8	1.195	1.617	37.7	20.6	95 E	26	82*
11 12	21 31.45	−15 42.4	1.294	1.638	37.2	20.8	91 E	29	76*
11 22	21 52.29	−12 21.1	1.400	1.662	36.4	21.0	86 E	33	69*
12 2	22 13.14	− 9 4.7	1.511	1.689	35.3	21.2	82 E	36	62*
12 12	22 33.97	− 5 53.2	1.626	1.718	34.1	21.3	78 E	39	55*
12 22	22 54.74	− 2 46.5	1.744	1.749	32.7	21.5	74 E	42*	48*
274834 2009 QR_9									
4 6	18 25.89	−14 36.1	2.291	2.650	21.9	21.4	100 W	30*	79
4 16	18 32.90	−14 1.0	2.123	2.608	21.5	21.2	108 W	31*	78
4 26	18 37.89	−13 24.4	1.960	2.566	20.7	20.9	116 W	32	77
5 6	18 40.58	−12 48.1	1.808	2.522	19.2	20.7	125 W	32	77
5 16	18 40.63	−12 14.4	1.667	2.478	17.1	20.4	134 W	33	76
5 26	18 37.84	−11 45.8	1.543	2.434	14.3	20.1	144 W	33	76
6 5	18 32.21	−11 25.2	1.437	2.389	10.9	19.8	154 W	34	75
6 15	18 23.98	−11 15.0	1.353	2.343	7.3	19.4	163 W	34	75
6 25	18 13.90	−11 17.6	1.293	2.297	5.3	19.2	168 E	34	75
7 5	18 3.07	−11 33.8	1.259	2.251	7.6	19.2	163 E	33	76
7 15	17 52.82	−12 3.4	1.248	2.204	11.9	19.3	153 E	33	76
7 25	17 44.52	−12 44.9	1.259	2.158	16.5	19.5	143 E	32	77
8 4	17 39.15	−13 35.7	1.288	2.111	20.7	19.6	133 E	31	78
8 14	17 37.30	−14 33.0	1.332	2.065	24.3	19.7	123 E	30	79
8 24	17 39.20	−15 33.5	1.384	2.019	27.2	19.9	114 E	29	80
9 3	17 44.77	−16 34.4	1.443	1.973	29.5	20.0	106 E	28*	81
9 13	17 53.80	−17 32.8	1.506	1.928	31.1	20.0	98 E	27*	82
9 23	18 6.01	−18 25.8	1.569	1.885	32.2	20.1	92 E	26*	81*
10 3	18 21.08	−19 10.7	1.631	1.842	32.8	20.2	85 E	25*	77*
10 13	18 38.74	−19 45.0	1.691	1.801	33.0	20.2	80 E	25*	72*
10 23	18 58.69	−20 6.0	1.748	1.762	32.9	20.2	74 E	24*	66*
11 2	19 20.62	−20 11.7	1.802	1.725	32.6	20.2	69 E	24*	61*
11 12	19 44.26	−20 0.0	1.853	1.690	32.0	20.2	65 E	24*	55*
11 22	20 9.32	−19 29.4	1.901	1.659	31.3	20.2	61 E	24*	50*
12 2	20 35.50	−18 39.1	1.947	1.631	30.4	20.2	57 E	25*	45*
12 12	21 2.54	−17 28.7	1.990	1.606	29.4	20.2	53 E	25*	40*
12 22	21 30.19	−15 58.8	2.032	1.585	28.3	20.2	50 E	26*	36*
1 1	21 58.22	−14 10.6	2.074	1.569	27.1	20.2	47 E	26*	32*
1 11	22 26.47	−12 6.0	2.115	1.557	25.8	20.2	44 E	26*	28*
1 21	22 54.77	− 9 47.5	2.158	1.551	24.4	20.2	41 E	26*	25*
394420 2007 HH_{69}									
4 6	18 31.61	−15 22.9	1.115	1.602	38.2	21.5	98 W	29*	79
4 16	18 53.02	−13 36.0	1.035	1.592	37.9	21.3	103 W	31*	78
4 26	19 12.27	−11 35.1	0.961	1.585	37.3	21.1	107 W	33*	76
5 6	19 28.95	− 9 25.4	0.894	1.582	36.1	20.9	112 W	35*	73
5 16	19 42.56	− 7 12.8	0.833	1.583	34.4	20.7	118 W	38*	71
5 26	19 52.71	− 5 5.2	0.780	1.587	32.0	20.5	124 W	40	69
6 5	19 59.06	− 3 10.8	0.735	1.595	28.8	20.3	131 W	42	67
6 10	20 0.73	− 2 21.6	0.716	1.600	27.0	20.2	134 W	43	66
6 15	20 1.39	− 1 39.5	0.699	1.606	25.0	20.1	138 W	43	66
6 20	20 1.09	− 1 5.6	0.686	1.613	22.9	20.0	142 W	44	65
6 25	19 59.91	− 0 40.9	0.675	1.620	20.6	19.9	146 W	44	65
6 30	19 57.96	− 0 26.2	0.668	1.629	18.4	19.8	150 W	45	64
7 5	19 55.36	− 0 22.1	0.664	1.638	16.2	19.8	153 W	45	64
7 15	19 48.98	− 0 45.9	0.669	1.658	12.7	19.7	159 W	44	65
7 25	19 42.51	− 1 47.7	0.690	1.681	11.8	19.7	160 E	43	66
8 4	19 37.55	− 3 16.6	0.729	1.707	13.9	20.0	156 E	42	67
8 9	19 36.03	− 4 7.0	0.755	1.721	15.6	20.1	153 E	41	68
8 14	19 35.29	− 4 59.2	0.785	1.735	17.4	20.3	149 E	40	69
8 19	19 35.40	− 5 51.5	0.819	1.749	19.2	20.5	145 E	39	70
8 24	19 36.37	− 6 42.6	0.857	1.764	20.9	20.6	142 E	38	71
8 29	19 38.17	− 7 31.5	0.899	1.780	22.5	20.8	138 E	37	72
9 3	19 40.78	− 8 17.4	0.944	1.796	23.9	21.0	134 E	37	72
9 8	19 44.17	− 8 59.6	0.992	1.812	25.2	21.1	130 E	36	73
9 13	19 48.28	− 9 37.6	1.043	1.828	26.3	21.3	126 E	35	74
9 18	19 53.05	−10 11.1	1.097	1.845	27.3	21.5	123 E	35	74
403775 2011 HS_4									
4 6	18 34.71	− 7 15.2	0.383	1.114	63.1	21.4	97 W	37*	71
4 11	18 15.97	− 6 19.5	0.370	1.161	56.0	21.2	106 W	39*	70
4 16	17 54.46	− 5 20.0	0.360	1.205	48.5	21.0	116 W	40	69
4 21	17 30.14	− 4 18.4	0.353	1.246	40.6	20.8	126 W	41	68
4 26	17 3.46	− 3 17.6	0.351	1.285	32.4	20.6	137 W	42	67
5 1	16 35.47	− 2 21.4	0.356	1.320	24.4	20.5	147 W	43	66
5 6	16 7.55	− 1 34.2	0.368	1.353	17.6	20.4	156 W	43	66
5 11	15 41.22	− 0 59.3	0.388	1.384	13.3	20.4	162 W	44	65
5 16	15 17.68	− 0 38.5	0.417	1.412	13.3	20.6	161 E	44	65
5 21	14 57.60	− 0 31.4	0.452	1.438	16.3	20.9	156 E	44	65
5 26	14 41.13	− 0 36.3	0.493	1.461	20.3	21.3	150 E	44	65
5 31	14 28.06	− 0 50.8	0.540	1.482	24.1	21.6	143 E	44	65
6 5	14 18.02	− 1 13.1	0.590	1.501	27.4	22.0	137 E	44	65
6 10	14 10.62	− 1 41.4	0.644	1.518	30.3	22.3	131 E	43	66

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
24443 2000 OG									
4 6	18 41.59	+ 5 19.3	2.402	2.663	22.0	21.5	94 W	49*	59
4 16	18 46.95	+ 7 23.6	2.200	2.582	22.5	21.2	101 W	52*	57
4 26	18 50.34	+ 9 43.0	2.003	2.498	22.6	21.0	108 W	55*	54
5 6	18 51.33	+12 17.0	1.815	2.411	22.4	20.7	114 W	57	52
5 16	18 49.32	+15 4.1	1.637	2.320	22.1	20.4	120 W	60	49
5 21	18 46.99	+16 31.4	1.554	2.273	21.8	20.2	123 W	62	47
5 26	18 43.67	+18 0.1	1.474	2.225	21.6	20.0	126 W	63	46
5 31	18 39.26	+19 29.3	1.399	2.176	21.5	19.9	128 W	64	45
6 5	18 33.68	+20 57.5	1.328	2.127	21.5	19.7	130 W	66	43
6 10	18 26.88	+22 23.0	1.262	2.076	21.6	19.5	131 W	67	42
6 15	18 18.80	+23 43.6	1.201	2.024	22.0	19.4	132 W	69	40
6 20	18 9.48	+24 56.9	1.145	1.971	22.7	19.3	131 W	70	39
6 25	17 58.98	+26 0.2	1.094	1.916	23.8	19.1	130 E	71	38
6 30	17 47.42	+26 51.1	1.048	1.861	25.3	19.0	129 E	72	37
7 5	17 34.99	+27 26.9	1.008	1.804	27.1	18.9	126 E	72	37
7 10	17 21.97	+27 45.6	0.972	1.746	29.3	18.8	123 E	73	36
7 15	17 8.68	+27 45.7	0.940	1.687	31.8	18.8	119 E	73	36
7 20	16 55.45	+27 26.7	0.912	1.626	34.6	18.7	115 E	72	37
7 25	16 42.61	+26 49.2	0.887	1.563	37.6	18.6	110 E	72	37
7 30	16 30.40	+25 53.9	0.865	1.499	40.7	18.6	105 E	71*	38
8 4	16 19.02	+24 42.4	0.844	1.434	44.1	18.5	101 E	69*	39
8 9	16 8.57	+23 16.2	0.824	1.366	47.6	18.5	95 E	66*	41
8 14	15 59.08	+21 37.1	0.804	1.297	51.4	18.4	90 E	62*	42
8 19	15 50.46	+19 46.4	0.783	1.226	55.3	18.3	85 E	58*	44*
8 24	15 42.53	+17 45.1	0.760	1.153	59.7	18.3	80 E	54*	45*
8 29	15 35.00	+15 33.1	0.735	1.078	64.5	18.2	74 E	50*	46*
9 3	15 27.50	+13 9.6	0.708	1.001	70.0	18.1	69 E	46*	45*
9 8	15 19.45	+10 32.8	0.677	0.923	76.4	18.0	63 E	41*	43*
9 13	15 10.06	+ 7 39.6	0.644	0.842	84.1	18.0	56 E	36*	40*
9 18	14 58.09	+ 4 25.6	0.608	0.761	93.8	18.1	49 E	30*	36*
9 23	14 41.85	+ 0 45.8	0.573	0.679	106.2	18.3	41 E	23*	30*
9 28	14 19.22	− 3 21.0	0.544	0.600	122.3	19.0	30 E	14*	22*
10 3	13 48.60	− 7 41.7	0.531	0.525	142.7	20.9	19 E	4*	12*
484549 2008 GW_{73}									
4 6	18 44.12	−24 14.3	4.463	4.676	12.3	21.4	96 W	20*	88
4 16	18 47.11	−24 25.0	4.310	4.675	12.0	21.3	105 W	20*	88
4 26	18 48.62	−24 38.1	4.164	4.674	11.3	21.2	115 W	20*	89
5 6	18 48.62	−24 53.7	4.029	4.673	10.3	21.1	124 W	20	89
5 16	18 47.07	−25 11.5	3.909	4.672	8.9	21.0	134 W	20	89
5 26	18 44.07	−25 31.0	3.808	4.671	7.2	20.9	145 W	19	90
6 5	18 39.78	−25 51.4	3.730	4.671	5.2	20.7	155 W	19	90
6 15	18 34.49	−26 11.4	3.679	4.670	3.1	20.6	166 W	19	90
6 25	18 28.58	−26 30.1	3.656	4.670	1.0	20.4	176 W	18	89
7 5	18 22.50	−26 46.5	3.662	4.669	1.9	20.5	171 E	18	89
7 15	18 16.72	−27 0.1	3.697	4.669	4.1	20.7	161 E	18	89
7 25	18 11.70	−27 10.8	3.759	4.669	6.2	20.8	150 E	18	89
8 4	18 7.79	−27 18.9	3.846	4.669	8.0	20.9	140 E	18	89
8 14	18 5.24	−27 24.8	3.954	4.669	9.6	21.1	130 E	18	89
8 24	18 4.23	−27 29.0	4.080	4.669	10.8	21.2	120 E	18	89
9 3	18 4.78	−27 31.9	4.218	4.670	11.7	21.3	111 E	17	88
9 13	18 6.89	−27 33.9	4.366	4.670	12.2	21.4	101 E	17*	88
9 23	18 10.48	−27 34.9	4.519	4.670	12.4	21.5	92 E	17*	86*
340093 2005 WR_{56}									
4 6	19 9.28	−21 26.9	1.962	2.203	27.0	21.4	90 W	22*	83*
4 16	19 23.18	−21 14.9	1.816	2.174	27.3	21.2	97 W	22*	85
4 26	19 35.60	−21 4.3	1.673	2.144	27.2	21.0	103 W	23*	85
5 6	19 46.28	−20 57.8	1.535	2.114	26.5	20.8	111 W	23*	85
5 16	19 54.83	−20 58.4	1.403	2.084	25.3	20.5	118 W	24*	85
5 26	20 0.84	−21 9.3	1.281	2.054	23.3	20.2	127 W	24*	85
6 5	20 3.90	−21 33.2	1.169	2.023	20.5	19.9	136 W	23	86
6 15	20 3.59	−22 12.0	1.072	1.994	16.8	19.5	145 W	23	86
6 25	19 59.72	−23 5.4	0.992	1.964	12.2	19.2	156 W	22	87
6 30	19 56.51	−23 36.7	0.958	1.949	9.6	19.0	161 W	21	88
7 5	19 52.52	−24 10.0	0.930	1.935	6.8	18.8	167 W	21	88
7 10	19 47.88	−24 44.5	0.908	1.920	4.0	18.6	172 W	20	89
7 15	19 42.77	−25 19.0	0.891	1.906	2.1	18.4	176 W	20	89
7 20	19 37.41	−25 52.3	0.879	1.892	3.7	18.5	173 E	19	90
7 25	19 32.05	−26 23.5	0.873	1.878	6.6	18.6	168 E	19	90
7 30	19 26.92	−26 51.6	0.872	1.864	9.7	18.7	162 E	18	89
8 4	19 22.26	−27 16.0	0.877	1.851	12.8	18.8	156 E	18	89
8 9	19 18.30	−27 36.4	0.886	1.838	15.7	18.9	151 E	17	88
8 14	19 15.24	−27 52.6	0.899	1.825	18.5	19.0	145 E	17	88
8 19	19 13.22	−28 4.6	0.917	1.812	21.1	19.1	140 E	17	88
8 24	19 12.30	−28 12.7	0.938	1.800	23.4	19.2	135 E	17	88
9 3	19 13.91	−28 17.9	0.988	1.776	27.5	19.4	126 E	17	88
9 13	19 20.03	−28 9.4	1.047	1.755	30.6	19.6	117 E	17	88
9 23	19 30.26	−27 47.5	1.113	1.734	32.9	19.8	110 E	17	88

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
340093 2005 WR_{56} *(continuation)*									
9 28	19 36.72	−27 31.6	1.147	1.725	33.8	19.9	107 E	17	88
10 3	19 43.97	−27 12.2	1.183	1.716	34.6	20.0	103 E	18	89
10 8	19 51.95	−26 49.1	1.219	1.708	35.2	20.0	100 E	18	89
10 13	20 0.58	−26 22.4	1.256	1.700	35.6	20.1	97 E	19	90
10 18	20 9.79	−25 51.8	1.293	1.693	35.9	20.2	94 E	19	88*
10 23	20 19.49	−25 17.3	1.330	1.686	36.2	20.2	92 E	20	85*
10 28	20 29.62	−24 38.9	1.368	1.680	36.3	20.3	89 E	20	82*
11 2	20 40.13	−23 56.5	1.406	1.674	36.3	20.3	87 E	21	79*
11 12	21 2.08	−22 19.6	1.483	1.665	36.1	20.4	82 E	23	74*
11 22	21 24.92	−20 27.1	1.561	1.659	35.6	20.5	78 E	25	68*
12 2	21 48.34	−18 20.2	1.640	1.655	34.8	20.6	73 E	27	62*
12 12	22 12.12	−16 0.1	1.719	1.654	33.9	20.7	69 E	29*	56*
12 22	22 36.06	−13 28.9	1.798	1.655	32.8	20.7	66 E	31*	50*
1 1	23 0.06	−10 48.8	1.879	1.660	31.5	20.8	62 E	33*	44*
1 11	23 24.07	− 8 2.0	1.959	1.667	30.1	20.9	58 E	35*	39*
1 21	23 48.03	− 5 11.2	2.041	1.676	28.6	20.9	55 E	35*	35*
270893 2002 TO_{247}									
4 6	19 14.29	−25 5.6	1.574	1.855	32.6	21.4	89 W	18*	83*
4 16	19 35.12	−25 8.7	1.453	1.829	33.2	21.2	94 W	18*	88*
4 26	19 55.09	−25 10.6	1.337	1.804	33.3	21.0	100 W	18*	89
5 6	20 13.96	−25 14.4	1.225	1.780	33.1	20.8	105 W	18*	89
5 16	20 31.41	−25 23.6	1.120	1.758	32.5	20.5	111 W	18*	89
5 26	20 47.07	−25 41.8	1.022	1.737	31.3	20.3	117 W	18*	90
6 5	21 0.54	−26 12.7	0.933	1.718	29.4	20.0	124 W	18*	90
6 15	21 11.22	−26 59.7	0.852	1.701	26.8	19.7	131 W	18*	89
6 25	21 18.56	−28 4.0	0.783	1.685	23.5	19.4	139 W	17	88
6 30	21 20.83	−28 42.2	0.753	1.679	21.6	19.3	143 W	16	87
7 5	21 22.08	−29 23.7	0.727	1.672	19.5	19.1	147 W	16	87
7 10	21 22.27	−30 7.4	0.704	1.667	17.3	19.0	151 W	15	86
7 15	21 21.44	−30 51.8	0.684	1.662	15.1	18.8	155 W	14	85
7 20	21 19.65	−31 35.3	0.669	1.657	12.9	18.7	159 W	13	84
7 25	21 17.02	−32 15.7	0.658	1.654	11.2	18.6	162 W	13	84
7 30	21 13.73	−32 51.2	0.652	1.651	10.1	18.5	163 W	12	83
8 4	21 9.98	−33 19.9	0.649	1.648	10.0	18.5	164 W	12	83
8 9	21 6.05	−33 40.2	0.652	1.646	10.9	18.5	162 E	11	82
8 14	21 2.24	−33 51.0	0.658	1.645	12.6	18.6	159 E	11	82
8 19	20 58.84	−33 51.7	0.669	1.645	14.7	18.7	156 E	11	82
8 24	20 56.09	−33 42.6	0.683	1.645	17.0	18.9	152 E	11	82
8 29	20 54.16	−33 24.2	0.702	1.645	19.2	19.0	148 E	12	83
9 3	20 53.18	−32 57.3	0.724	1.647	21.4	19.1	143 E	12	83
9 8	20 53.23	−32 22.7	0.749	1.649	23.5	19.3	139 E	13	84
9 13	20 54.34	−31 41.6	0.777	1.652	25.4	19.4	135 E	13	84
9 18	20 56.50	−30 54.7	0.809	1.655	27.1	19.5	131 E	14	85
9 23	20 59.63	−30 3.0	0.843	1.659	28.6	19.7	128 E	15	86
9 28	21 3.66	−29 7.3	0.879	1.664	29.9	19.8	124 E	16	87
10 3	21 8.50	−28 8.1	0.918	1.669	31.0	20.0	121 E	17	88
10 8	21 14.07	−27 5.8	0.959	1.675	31.9	20.1	118 E	18	89
10 13	21 20.30	−26 0.8	1.003	1.682	32.7	20.2	114 E	19	90
10 18	21 27.09	−24 53.5	1.048	1.689	33.3	20.3	111 E	20	89
10 23	21 34.36	−23 44.1	1.094	1.696	33.8	20.5	108 E	21	88
10 28	21 42.04	−22 32.9	1.143	1.705	34.2	20.6	106 E	22	87
11 2	21 50.07	−21 20.0	1.193	1.713	34.4	20.7	103 E	24	85
11 7	21 58.41	−20 5.7	1.244	1.722	34.5	20.8	100 E	25	84
11 12	22 7.00	−18 50.0	1.297	1.732	34.5	20.9	98 E	26	83*
11 17	22 15.79	−17 33.2	1.351	1.742	34.4	21.0	95 E	27	80*
11 22	22 24.76	−16 15.4	1.407	1.752	34.3	21.1	92 E	29	77*
11 27	22 33.86	−14 56.7	1.463	1.763	34.0	21.2	90 E	30	74*
12 2	22 43.09	−13 37.4	1.520	1.774	33.7	21.3	87 E	31	71*
12 7	22 52.41	−12 17.5	1.579	1.786	33.3	21.3	85 E	33	67*
12 12	23 1.82	−10 57.2	1.638	1.798	32.9	21.4	83 E	34	64*
278327 2007 HA_{59}									
4 6	19 28.02	−57 6.7	3.350	3.521	16.5	21.4	91 W	—	58*
4 11	19 32.55	−58 8.8	3.264	3.497	16.6	21.4	95 W	—	58*
4 16	19 36.61	−59 14.6	3.179	3.473	16.6	21.3	99 W	—	57*
4 21	19 40.12	−60 24.2	3.097	3.449	16.6	21.2	102 W	—	56
4 26	19 42.98	−61 37.7	3.016	3.424	16.5	21.2	105 W	—	54
5 1	19 45.09	−62 54.9	2.939	3.399	16.3	21.1	109 W	—	53
5 6	19 46.29	−64 15.6	2.865	3.373	16.1	21.0	112 W	—	52
5 11	19 46.38	−65 39.4	2.794	3.347	15.9	20.9	115 W	—	50
5 16	19 45.13	−67 5.8	2.728	3.321	15.6	20.8	118 W	—	49
5 21	19 42.25	−68 33.8	2.666	3.294	15.4	20.8	120 W	—	47
5 26	19 37.40	−70 2.3	2.610	3.266	15.2	20.7	122 W	—	46
5 31	19 30.13	−71 29.8	2.558	3.238	15.0	20.6	124 W	—	45
6 5	19 19.94	−72 54.4	2.511	3.210	14.9	20.6	126 W	—	43
6 10	19 6.29	−74 13.6	2.470	3.181	14.9	20.5	127 W	—	42
6 15	18 48.71	−75 24.4	2.435	3.152	14.9	20.5	127 W	—	41
6 20	18 27.01	−76 23.6	2.405	3.123	15.1	20.4	127 W	—	40
6 25	18 1.52	−77 7.7	2.381	3.093	15.4	20.4	126 E	—	39

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
278327 2007 HA_{59} *(continuation)*									
6 26	17 56.04	−77 14.5	2.377	3.086	15.4	20.4	126 E	—	39
6 27	17 50.47	−77 20.6	2.373	3.080	15.5	20.4	126 E	—	39
6 28	17 44.81	−77 25.9	2.369	3.074	15.6	20.4	126 E	—	39
6 29	17 39.08	−77 30.4	2.366	3.068	15.7	20.4	125 E	—	38
6 30	17 33.30	−77 34.2	2.362	3.062	15.8	20.4	125 E	—	38
7 1	17 27.47	−77 37.3	2.359	3.056	15.9	20.4	125 E	—	38
7 2	17 21.63	−77 39.5	2.356	3.050	15.9	20.3	125 E	—	38
7 3	17 15.78	−77 41.0	2.353	3.043	16.0	20.3	124 E	—	38
7 4	17 9.95	−77 41.8	2.351	3.037	16.1	20.3	124 E	—	38
7 5	17 4.15	−77 41.7	2.349	3.031	16.2	20.3	124 E	—	38
7 6	16 58.40	−77 41.0	2.346	3.025	16.3	20.3	123 E	—	38
7 7	16 52.71	−77 39.5	2.344	3.018	16.5	20.3	123 E	—	38
7 8	16 47.11	−77 37.2	2.343	3.012	16.6	20.3	122 E	—	38
7 9	16 41.60	−77 34.3	2.341	3.006	16.7	20.3	122 E	—	38
7 10	16 36.21	−77 30.8	2.340	2.999	16.8	20.3	122 E	—	38
7 11	16 30.93	−77 26.5	2.339	2.993	16.9	20.3	121 E	—	39
7 12	16 25.80	−77 21.7	2.338	2.987	17.0	20.3	121 E	—	39
7 13	16 20.80	−77 16.3	2.337	2.980	17.2	20.3	120 E	—	39
7 14	16 15.96	−77 10.3	2.336	2.974	17.3	20.3	120 E	—	39
7 15	16 11.28	−77 3.8	2.336	2.967	17.4	20.3	119 E	—	39
7 17	16 2.42	−76 49.3	2.335	2.954	17.6	20.3	118 E	—	39
7 19	15 54.25	−76 33.0	2.335	2.941	17.9	20.3	117 E	—	39
7 21	15 46.78	−76 15.3	2.336	2.928	18.2	20.3	116 E	—	40
7 23	15 40.01	−75 56.2	2.337	2.915	18.4	20.3	115 E	—	40
7 25	15 33.91	−75 36.2	2.339	2.902	18.7	20.3	114 E	—	40
7 27	15 28.48	−75 15.3	2.341	2.888	18.9	20.3	113 E	—	41
7 29	15 23.68	−74 53.8	2.344	2.875	19.2	20.3	111 E	—	41
7 31	15 19.48	−74 31.7	2.347	2.861	19.4	20.3	110 E	—	41
8 2	15 15.85	−74 9.4	2.351	2.848	19.7	20.3	109 E	—	42
8 4	15 12.76	−73 46.9	2.355	2.834	19.9	20.3	108 E	—	42
8 6	15 10.16	−73 24.4	2.359	2.820	20.2	20.3	107 E	—	43
8 8	15 8.04	−73 1.9	2.364	2.806	20.4	20.3	105 E	—	43
8 10	15 6.36	−72 39.6	2.369	2.793	20.6	20.3	104 E	—	43*
8 12	15 5.09	−72 17.6	2.374	2.778	20.8	20.3	103 E	—	44*
8 14	15 4.21	−71 55.9	2.379	2.764	21.1	20.3	101 E	—	44*
8 16	15 3.68	−71 34.6	2.385	2.750	21.3	20.3	100 E	—	44*
8 18	15 3.49	−71 13.8	2.390	2.736	21.4	20.3	99 E	—	44*
8 20	15 3.61	−70 53.5	2.396	2.721	21.6	20.3	98 E	—	44*
8 22	15 4.02	−70 33.8	2.402	2.707	21.8	20.3	96 E	—	45*
8 24	15 4.71	−70 14.6	2.408	2.692	22.0	20.3	95 E	—	45*
8 29	15 7.53	−69 29.2	2.423	2.655	22.3	20.3	92 E	—	45*
9 3	15 11.78	−68 47.8	2.438	2.618	22.7	20.3	89 E	—	44*
9 8	15 17.31	−68 10.3	2.452	2.580	22.9	20.3	86 E	—	44*
9 13	15 23.99	−67 36.9	2.465	2.541	23.1	20.3	83 E	—	43*
9 18	15 31.72	−67 7.2	2.476	2.502	23.3	20.3	80 E	—	43*
9 23	15 40.44	−66 41.0	2.486	2.462	23.4	20.2	77 E	—	42*
9 28	15 50.09	−66 17.9	2.494	2.422	23.5	20.2	74 E	—	41*
10 3	16 0.65	−65 57.5	2.499	2.381	23.5	20.2	72 E	—	40*
10 13	16 24.43	−65 22.8	2.502	2.297	23.5	20.1	67 E	—	39*
10 23	16 51.63	−64 52.4	2.494	2.210	23.4	20.0	62 E	—	37*
11 2	17 22.18	−64 20.7	2.474	2.120	23.4	19.9	58 E	—	36*
11 7	17 38.67	−64 2.4	2.459	2.074	23.3	19.8	56 E	—	35*
11 12	17 55.92	−63 41.3	2.441	2.027	23.3	19.8	54 E	—	35*
11 17	18 13.87	−63 16.6	2.420	1.980	23.3	19.7	52 E	—	34*
11 22	18 32.46	−62 47.1	2.396	1.932	23.4	19.6	51 E	—	33*
11 27	18 51.61	−62 12.0	2.369	1.883	23.5	19.6	49 E	—	33*
12 2	19 11.22	−61 30.1	2.339	1.833	23.6	19.5	48 E	—	33*
12 7	19 31.19	−60 40.4	2.306	1.783	23.8	19.4	47 E	—	32*
12 12	19 51.38	−59 42.0	2.271	1.732	24.0	19.3	46 E	—	32*
12 17	20 11.66	−58 33.9	2.233	1.680	24.2	19.2	45 E	—	32*
12 22	20 31.91	−57 15.0	2.194	1.627	24.6	19.1	43 E	—	31*
12 27	20 52.01	−55 44.6	2.152	1.573	25.0	19.0	42 E	—	31*
1 1	21 11.86	−54 1.6	2.109	1.519	25.4	18.9	41 E	—	31*
1 6	21 31.38	−52 5.5	2.065	1.464	25.9	18.8	40 E	—	31*
1 11	21 50.47	−49 55.3	2.021	1.409	26.4	18.7	40 E	—	30*
1 16	22 9.09	−47 30.5	1.975	1.352	26.9	18.5	39 E	—	30*
1 21	22 27.20	−44 50.4	1.930	1.296	27.5	18.4	37 E	—	29*
513170 2004 KH_{15}									
4 6	19 41.27	+ 7 17.1	0.708	1.108	62.3	21.5	79 W	46*	54*
4 11	19 52.21	+ 5 52.5	0.675	1.114	62.6	21.4	81 W	45*	56*
4 16	20 3.53	+ 4 16.8	0.639	1.118	62.9	21.3	83 W	43*	59*
4 21	20 15.38	+ 2 26.9	0.603	1.121	63.2	21.2	84 W	42*	61*
4 26	20 27.93	+ 0 19.7	0.566	1.123	63.4	21.1	86 W	40*	63*
5 1	20 41.42	− 2 8.7	0.528	1.124	63.6	20.9	88 W	37*	66*
5 6	20 56.13	− 5 3.1	0.490	1.125	63.8	20.8	90 W	34*	69
5 11	21 12.40	− 8 28.6	0.454	1.124	63.9	20.6	92 W	31*	72
5 16	21 30.73	−12 30.7	0.420	1.122	64.0	20.4	94 W	26*	77
5 21	21 51.74	−17 13.0	0.389	1.119	64.1	20.3	96 W	21*	81
5 26	22 16.26	−22 35.5	0.363	1.116	64.4	20.1	97 W	16*	87

513170 2004 KH_{15} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 28	22 27.28	−24 54.4	0.354	1.114	64.5	20.1	97 W	13*	89
5 30	22 39.08	−27 17.5	0.346	1.112	64.7	20.0	97 W	10*	89
6 1	22 51.73	−29 43.8	0.339	1.110	65.0	20.0	97 W	7*	86
6 3	23 5.30	−32 11.4	0.334	1.108	65.3	19.9	97 W	5*	84*
6 5	23 19.85	−34 38.6	0.330	1.105	65.6	19.9	97 W	2*	81*
6 7	23 35.40	−37 3.2	0.327	1.103	66.0	19.9	97 W	—	78*
6 9	23 51.98	−39 22.7	0.325	1.100	66.5	19.9	96 W	—	76*
6 11	0 9.55	−41 34.7	0.325	1.097	67.0	19.9	96 W	—	73*
6 13	0 28.07	−43 37.1	0.326	1.094	67.6	19.9	95 W	—	70*
6 15	0 47.42	−45 27.6	0.328	1.091	68.2	20.0	94 W	—	68*
6 17	1 7.44	−47 4.8	0.331	1.088	68.8	20.0	94 W	—	65*
6 19	1 27.91	−48 27.5	0.336	1.084	69.4	20.0	93 W	—	63*
6 21	1 48.59	−49 35.3	0.342	1.081	70.0	20.1	92 W	—	61*
6 23	2 9.21	−50 28.1	0.348	1.077	70.6	20.1	90 W	—	59*
6 25	2 29.51	−51 6.7	0.356	1.073	71.2	20.2	89 W	—	57*
6 27	2 49.25	−51 32.0	0.364	1.069	71.8	20.3	88 W	—	55*
6 29	3 8.24	−51 45.5	0.373	1.065	72.4	20.3	87 W	—	53*
7 1	3 26.32	−51 48.6	0.383	1.061	72.9	20.4	86 W	—	52*
7 3	3 43.41	−51 42.8	0.393	1.057	73.4	20.5	85 W	—	51*
7 5	3 59.44	−51 29.7	0.403	1.052	73.8	20.5	84 W	—	50*
7 7	4 14.42	−51 10.5	0.414	1.048	74.3	20.6	83 W	—	49*
7 9	4 28.37	−50 46.4	0.424	1.043	74.7	20.6	82 W	—	48*
7 11	4 41.32	−50 18.5	0.435	1.038	75.0	20.7	81 W	—	47*
7 13	4 53.35	−49 47.5	0.447	1.033	75.3	20.8	80 W	—	47*
7 15	5 4.50	−49 14.1	0.458	1.028	75.6	20.8	79 W	—	46*
7 17	5 14.87	−48 38.9	0.469	1.023	75.9	20.9	78 W	—	46*
7 19	5 24.51	−48 2.2	0.480	1.018	76.2	20.9	77 W	—	46*
7 21	5 33.50	−47 24.5	0.491	1.013	76.4	20.9	76 W	—	46*
7 23	5 41.89	−46 45.8	0.501	1.007	76.6	21.0	75 W	—	46*
7 25	5 49.76	−46 6.4	0.512	1.002	76.8	21.0	74 W	—	46*
7 27	5 57.16	−45 26.4	0.522	0.996	77.0	21.1	73 W	—	46*
7 29	6 4.13	−44 46.0	0.532	0.990	77.2	21.1	72 W	—	46*
7 31	6 10.73	−44 5.1	0.542	0.985	77.4	21.1	71 W	—	46*
8 2	6 17.00	−43 23.8	0.551	0.979	77.6	21.2	70 W	—	46*
8 4	6 22.97	−42 42.0	0.560	0.973	77.8	21.2	70 W	—	46*
8 9	6 36.81	−40 55.6	0.581	0.958	78.2	21.3	68 W	—	47*
8 14	6 49.45	−39 5.5	0.599	0.943	78.7	21.3	66 W	—	48*
8 19	7 1.30	−37 10.2	0.614	0.928	79.2	21.3	64 W	—	48*
8 24	7 12.70	−35 8.4	0.626	0.913	79.8	21.4	63 W	—	49*
8 29	7 23.95	−32 58.8	0.635	0.898	80.4	21.4	61 W	—	50*
9 3	7 35.31	−30 40.3	0.641	0.883	81.2	21.4	60 W	—	50*
9 8	7 47.04	−28 11.6	0.644	0.869	82.0	21.4	59 W	1*	51*
9 13	7 59.34	−25 31.5	0.645	0.856	82.9	21.4	58 W	5*	51*
9 18	8 12.45	−22 39.0	0.644	0.844	83.8	21.4	57 W	9*	50*
9 23	8 26.60	−19 33.8	0.641	0.832	84.8	21.4	56 W	13*	50*
9 28	8 42.00	−16 16.3	0.638	0.823	85.7	21.4	55 W	18*	48*
10 3	8 58.83	−12 47.9	0.634	0.814	86.5	21.4	54 W	22*	46*
10 8	9 17.23	− 9 11.1	0.632	0.807	87.1	21.4	54 W	26*	44*
10 13	9 37.28	− 5 29.8	0.632	0.802	87.4	21.4	53 W	30*	41*
10 18	9 59.00	− 1 49.1	0.634	0.799	87.3	21.4	53 W	33*	37*
10 23	10 22.33	+ 1 44.1	0.640	0.798	86.9	21.4	53 W	37*	34*
10 28	10 47.08	+ 5 2.8	0.650	0.798	86.0	21.4	53 W	40*	30*
11 2	11 12.93	+ 8 0.3	0.665	0.801	84.6	21.4	53 W	42*	26*
11 7	11 39.50	+10 31.4	0.685	0.806	82.9	21.4	54 W	44*	23*
11 12	12 6.32	+12 32.8	0.708	0.812	80.9	21.4	54 W	46*	20*
11 17	12 32.95	+14 3.8	0.736	0.820	78.7	21.5	54 W	47*	17*
11 22	12 59.00	+15 5.2	0.766	0.830	76.4	21.5	55 W	48*	15*

463387 2013 CT_{82}

4 6	19 54.40	−21 23.0	1.346	1.526	40.2	21.4	80 W	19*	73*
4 11	20 11.84	−20 27.8	1.269	1.480	41.9	21.2	80 W	19*	74*
4 16	20 30.21	−19 21.5	1.196	1.434	43.7	21.1	81 W	19*	74*
4 21	20 49.62	−18 2.7	1.126	1.387	45.7	20.9	81 W	19*	74*
4 26	21 10.17	−16 29.6	1.062	1.339	47.9	20.8	81 W	20*	74*
5 1	21 31.95	−14 40.6	1.002	1.292	50.2	20.6	80 W	20*	72*
5 6	21 55.02	−12 34.4	0.949	1.244	52.7	20.5	79 W	21*	71*
5 11	22 19.42	−10 10.2	0.902	1.196	55.4	20.4	77 W	21*	69*
5 16	22 45.11	− 7 28.3	0.863	1.149	58.3	20.3	75 W	22*	66*
5 21	23 12.02	− 4 30.2	0.832	1.102	61.2	20.2	73 W	22*	63*
5 26	23 40.01	− 1 19.4	0.811	1.057	64.1	20.1	70 W	23*	59*
5 31	0 8.89	+ 1 59.3	0.799	1.012	66.9	20.1	67 W	23*	56*
6 5	0 38.38	+ 5 19.4	0.798	0.970	69.3	20.1	63 W	24*	52*
6 10	1 8.18	+ 8 34.0	0.806	0.930	71.2	20.1	60 W	24*	48*
6 15	1 38.00	+11 36.9	0.824	0.893	72.4	20.1	57 W	24*	44*
6 20	2 7.60	+14 23.2	0.850	0.860	72.9	20.1	54 W	24*	41*
6 25	2 36.76	+16 49.5	0.884	0.832	72.6	20.1	51 W	24*	38*
6 30	3 5.36	+18 54.5	0.925	0.809	71.4	20.1	49 W	25*	35*
7 5	3 33.29	+20 37.8	0.971	0.793	69.5	20.1	47 W	25*	32*
7 10	4 0.46	+21 59.9	1.022	0.784	67.0	20.1	45 W	25*	30*
7 15	4 26.80	+23 2.0	1.074	0.782	64.1	20.1	44 W	26*	28*
7 20	4 52.23	+23 45.6	1.129	0.788	61.0	20.1	43 W	26*	27*

463387 2013 CT_{82} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
7 25	5 16.71	+24 12.3	1.183	0.801	57.8	20.2	42 W	27*	25*
7 30	5 40.15	+24 24.0	1.237	0.821	54.7	20.2	41 W	27*	24*
8 4	6 2.52	+24 22.6	1.290	0.847	51.8	20.3	41 W	28*	24*
8 9	6 23.76	+24 9.8	1.340	0.878	49.2	20.4	41 W	28*	23*
8 14	6 43.87	+23 47.5	1.388	0.913	46.8	20.5	41 W	29*	23*
8 19	7 2.84	+23 17.3	1.433	0.952	44.8	20.6	42 W	30*	22*
8 24	7 20.72	+22 40.8	1.474	0.994	43.1	20.7	42 W	31*	22*
8 29	7 37.54	+21 59.3	1.512	1.037	41.7	20.8	43 W	32*	22*
9 3	7 53.35	+21 14.0	1.547	1.083	40.5	20.9	44 W	34*	23*
9 8	8 8.20	+20 25.9	1.578	1.129	39.5	21.0	45 W	35*	23*
9 13	8 22.14	+19 35.9	1.605	1.176	38.7	21.1	47 W	37*	24*
9 18	8 35.21	+18 44.7	1.628	1.223	38.0	21.2	49 W	38*	25*
9 23	8 47.48	+17 52.9	1.647	1.271	37.5	21.3	50 W	40*	26*
9 28	8 58.98	+17 1.1	1.662	1.319	37.1	21.4	52 W	42*	27*
10 3	9 9.74	+16 9.7	1.674	1.366	36.7	21.5	55 W	44*	28*

391938 2008 UY_{366}

4 6	20 15.74	−22 18.1	1.713	1.746	33.6	21.4	75 W	16*	69*
4 16	20 41.07	−21 38.1	1.610	1.727	34.8	21.3	79 W	16*	73*
4 26	21 5.89	−20 51.8	1.510	1.709	35.8	21.1	83 W	16*	77*
5 6	21 30.07	−20 1.7	1.414	1.693	36.5	21.0	87 W	17*	80*
5 16	21 53.41	−19 10.8	1.322	1.680	37.0	20.8	91 W	18*	83*
5 26	22 15.73	−18 22.4	1.234	1.669	37.2	20.7	95 W	19*	82
6 5	22 36.81	−17 40.0	1.150	1.660	37.0	20.5	100 W	21*	82
6 15	22 56.32	−17 7.3	1.071	1.655	36.4	20.3	105 W	23*	81
6 25	23 13.92	−16 48.2	0.997	1.652	35.3	20.1	110 W	25*	81
7 5	23 29.17	−16 45.8	0.929	1.651	33.6	19.9	116 W	27*	81
7 15	23 41.51	−17 3.1	0.868	1.654	31.2	19.7	122 W	28*	81
7 25	23 50.38	−17 40.8	0.815	1.659	28.1	19.5	130 W	27	82
7 30	23 53.35	−18 6.7	0.792	1.663	26.3	19.4	133 W	27	82
8 4	23 55.25	−18 36.8	0.771	1.667	24.3	19.3	137 W	26	83
8 9	23 56.05	−19 10.1	0.754	1.672	22.1	19.2	142 W	26	83
8 14	23 55.74	−19 45.3	0.740	1.677	19.8	19.1	146 W	25	84
8 19	23 54.37	−20 20.7	0.729	1.683	17.5	19.0	150 W	25	84
8 24	23 52.02	−20 54.6	0.722	1.690	15.2	18.9	154 W	24	85
8 29	23 48.81	−21 25.1	0.720	1.698	13.2	18.8	158 W	24	85
9 3	23 44.91	−21 50.4	0.722	1.705	11.5	18.8	160 W	23	86
9 8	23 40.55	−22 8.7	0.728	1.714	10.7	18.8	162 W	23	86
9 13	23 35.99	−22 18.5	0.739	1.723	10.8	18.8	161 W	23	86
9 18	23 31.50	−22 19.1	0.755	1.732	11.7	18.9	160 E	23	86
9 23	23 27.30	−22 10.2	0.775	1.742	13.3	19.0	157 E	23	86
9 28	23 23.62	−21 52.0	0.800	1.753	15.1	19.2	153 E	23	86
10 3	23 20.59	−21 25.0	0.830	1.764	17.1	19.3	149 E	24	85
10 8	23 18.36	−20 50.1	0.864	1.775	19.1	19.5	145 E	24	85
10 13	23 16.99	−20 8.1	0.901	1.787	20.9	19.7	140 E	25	84
10 18	23 16.51	−19 20.1	0.943	1.799	22.6	19.8	136 E	26	83
10 23	23 16.90	−18 27.1	0.987	1.811	24.1	20.0	132 E	27	82
10 28	23 18.12	−17 30.0	1.035	1.824	25.4	20.1	128 E	28	81
11 2	23 20.12	−16 29.5	1.086	1.837	26.6	20.3	124 E	29	80
11 7	23 22.86	−15 26.3	1.140	1.850	27.6	20.4	120 E	30	79
11 12	23 26.27	−14 20.8	1.196	1.863	28.4	20.6	117 E	31	78
11 17	23 30.29	−13 13.6	1.255	1.877	29.0	20.7	113 E	32	77
11 22	23 34.85	−12 5.1	1.315	1.891	29.5	20.9	110 E	33	76
11 27	23 39.89	−10 55.5	1.377	1.905	29.8	21.0	106 E	34	75
12 2	23 45.36	− 9 45.2	1.441	1.920	30.0	21.1	103 E	35	74*
12 7	23 51.22	− 8 34.3	1.507	1.934	30.1	21.2	100 E	36	72*
12 12	23 57.43	− 7 23.0	1.573	1.949	30.1	21.3	97 E	38	69*
12 17	0 3.94	− 6 11.5	1.641	1.964	30.0	21.4	93 E	39	67*

248818 2006 SZ_{217}

4 6	20 32.05	− 1 10.2	1.953	1.816	30.5	21.5	67 W	33*	54*
4 16	20 51.15	+ 2 28.4	1.832	1.782	32.2	21.3	71 W	36*	55*
4 26	21 10.01	+ 6 28.5	1.715	1.746	33.8	21.2	75 W	40*	55*
5 6	21 28.72	+10 50.1	1.602	1.710	35.3	21.0	78 W	44*	52*
5 16	21 47.36	+15 32.5	1.495	1.672	36.7	20.9	81 W	49*	48*
5 26	22 6.07	+20 33.7	1.396	1.634	38.1	20.7	84 W	54*	43
6 5	22 25.07	+25 51.3	1.304	1.595	39.4	20.6	86 W	60*	38
6 15	22 44.59	+31 21.0	1.220	1.555	40.7	20.4	88 W	67*	33
6 20	22 54.64	+34 8.7	1.181	1.536	41.4	20.3	88 W	70*	30
6 25	23 4.98	+36 57.2	1.144	1.516	42.1	20.2	89 W	74*	27
6 30	23 15.67	+39 45.7	1.108	1.496	42.8	20.2	89 W	77*	24
7 5	23 26.78	+42 33.3	1.075	1.476	43.5	20.1	90 W	80*	21
7 10	23 38.41	+45 18.9	1.042	1.457	44.3	20.0	90 W	83*	19
7 15	23 50.66	+48 1.3	1.011	1.438	45.0	19.9	90 W	84*	16
7 20	0 3.68	+50 39.3	0.981	1.418	45.8	19.9	90 W	84*	13
7 25	0 17.62	+53 11.9	0.952	1.400	46.5	19.8	91 W	82*	11
7 30	0 32.68	+55 37.7	0.924	1.381	47.3	19.7	91 W	79	8
8 4	0 49.05	+57 55.4	0.896	1.363	48.1	19.6	91 W	77	6
8 9	1 6.92	+60 3.3	0.868	1.346	48.9	19.6	91 W	75	4
8 14	1 26.50	+61 59.6	0.840	1.329	49.6	19.5	91 W	73	2
8 19	1 48.00	+63 42.3	0.812	1.313	50.4	19.4	91 W	71	—

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	248818 2006 SZ_{217}				*(continuation)*				
	h m	° ′			°	m	°	°	°
8 24	2 11.51	+65 9.3	0.784	1.297	51.2	19.3	92 W	70	—
8 29	2 36.98	+66 18.3	0.755	1.283	51.9	19.2	92 W	69	—
9 3	3 4.10	+67 7.1	0.725	1.269	52.6	19.2	93 W	68	—
9 5	3 15.29	+67 20.3	0.713	1.264	52.8	19.1	93 W	68	—
9 7	3 26.61	+67 29.9	0.701	1.259	53.1	19.1	93 W	68	—
9 9	3 38.01	+67 35.5	0.688	1.254	53.3	19.0	93 W	67	—
9 11	3 49.42	+67 37.1	0.676	1.249	53.6	19.0	94 W	67	—
9 13	4 0.79	+67 34.7	0.663	1.244	53.8	19.0	94 W	67	—
9 15	4 12.05	+67 28.0	0.651	1.240	54.0	18.9	95 W	68	—
9 17	4 23.14	+67 17.2	0.638	1.236	54.1	18.9	95 W	68	—
9 19	4 34.02	+67 2.1	0.625	1.232	54.3	18.8	95 W	68	—
9 21	4 44.61	+66 42.7	0.612	1.228	54.4	18.8	96 W	68	—
9 23	4 54.88	+66 19.0	0.598	1.224	54.5	18.7	96 W	69	—
9 25	5 4.76	+65 50.9	0.585	1.221	54.6	18.7	97 W	69	—
9 27	5 14.23	+65 18.4	0.572	1.218	54.7	18.6	98 W	70	—
9 29	5 23.24	+64 41.5	0.558	1.215	54.7	18.6	98 W	70	—
10 1	5 31.78	+64 0.1	0.545	1.212	54.7	18.5	99 W	71	—
10 3	5 39.82	+63 14.2	0.531	1.209	54.7	18.4	100 W	72	1
10 8	5 57.66	+60 58.4	0.497	1.204	54.3	18.3	102 W	74	3
10 13	6 12.24	+58 10.7	0.463	1.200	53.7	18.1	104 W	77	6
10 18	6 23.65	+54 47.2	0.429	1.197	52.6	17.9	107 W	80	9
10 23	6 32.04	+50 42.7	0.397	1.196	51.0	17.7	111 W	84	13
10 28	6 37.57	+45 50.7	0.366	1.196	48.8	17.4	115 W	89	18
11 2	6 40.38	+40 4.4	0.339	1.198	45.9	17.2	120 W	85	24
11 7	6 40.64	+33 18.9	0.316	1.201	42.4	16.9	125 W	78	31
11 12	6 38.58	+25 35.6	0.298	1.206	38.4	16.7	131 W	71	38
11 14	6 37.18	+22 16.6	0.293	1.208	36.9	16.6	133 W	67	42
11 16	6 35.47	+18 51.5	0.289	1.211	35.3	16.6	135 W	64	45
11 18	6 33.47	+15 22.3	0.286	1.213	33.9	16.5	137 W	60	49
11 20	6 31.21	+11 51.0	0.285	1.216	32.6	16.5	138 W	57	52
11 22	6 28.71	+ 8 19.9	0.285	1.219	31.5	16.4	140 W	53	56
11 24	6 25.99	+ 4 51.2	0.286	1.223	30.7	16.4	141 W	50	59
11 26	6 23.08	+ 1 27.3	0.289	1.226	30.1	16.4	141 W	46	63
11 28	6 20.00	− 1 49.8	0.293	1.230	29.8	16.5	142 W	43	66
11 30	6 16.78	− 4 58.2	0.298	1.234	29.8	16.5	142 W	40	69
12 2	6 13.45	− 7 56.4	0.304	1.238	30.0	16.6	141 W	37	72
12 4	6 10.04	−10 43.3	0.312	1.242	30.3	16.6	140 W	34	75
12 6	6 6.58	−13 18.2	0.320	1.247	30.8	16.7	140 W	32	77
12 8	6 3.11	−15 40.8	0.330	1.251	31.4	16.8	138 W	29	80
12 10	5 59.66	−17 50.9	0.340	1.256	32.1	16.9	137 W	27	82
12 12	5 56.25	−19 48.9	0.351	1.261	32.8	17.0	136 W	25	84
12 17	5 48.11	−23 53.4	0.382	1.274	34.6	17.3	133 W	21	88
12 22	5 40.77	−26 53.8	0.416	1.289	36.1	17.5	129 E	18	89
12 27	5 34.46	−29 0.4	0.452	1.304	37.4	17.8	126 E	16	87
1 1	5 29.36	−30 23.0	0.490	1.319	38.4	18.0	124 E	15	86
1 6	5 25.58	−31 10.2	0.529	1.336	39.1	18.2	121 E	14	85
1 11	5 23.16	−31 29.4	0.569	1.353	39.6	18.4	119 E	14	85
1 16	5 22.06	−31 26.6	0.610	1.371	39.9	18.6	117 E	14	85
1 21	5 22.22	−31 6.6	0.651	1.389	40.1	18.8	115 E	14	85
	434019 2001 RG_9								
4 6	20 36.94	− 9 19.3	1.742	1.639	34.3	21.5	67 W	25*	59*
4 16	21 2.13	− 6 19.3	1.643	1.608	35.9	21.4	70 W	27*	60*
4 26	21 27.08	− 3 2.6	1.549	1.580	37.5	21.3	73 W	29*	61*
5 6	21 51.85	+ 0 28.4	1.461	1.553	39.0	21.1	75 W	32*	60*
5 16	22 16.46	+ 4 10.4	1.378	1.529	40.3	21.0	78 W	35*	59*
5 26	22 40.94	+ 7 59.4	1.302	1.507	41.5	20.9	80 W	39*	56*
6 5	23 5.36	+11 51.2	1.231	1.488	42.5	20.8	82 W	43*	52
6 15	23 29.70	+15 40.8	1.166	1.473	43.4	20.6	85 W	48*	48
6 25	23 53.94	+19 22.9	1.105	1.461	44.0	20.5	87 W	54*	45
7 5	0 18.02	+22 52.4	1.048	1.453	44.4	20.4	89 W	59*	41
7 10	0 29.94	+24 30.8	1.021	1.450	44.5	20.4	91 W	62*	39
7 15	0 41.73	+26 4.1	0.994	1.448	44.5	20.3	92 W	65*	38
7 20	0 53.35	+27 31.7	0.968	1.448	44.5	20.2	94 W	68*	36
7 25	1 4.77	+28 53.0	0.942	1.448	44.3	20.2	95 W	71*	35
7 30	1 15.92	+30 7.7	0.917	1.449	44.0	20.1	97 W	73*	34
8 4	1 26.72	+31 15.0	0.892	1.451	43.7	20.0	99 W	76*	33
8 9	1 37.09	+32 14.6	0.867	1.455	43.2	20.0	101 W	77*	32
8 14	1 46.92	+33 5.8	0.843	1.459	42.5	19.9	103 W	78	31
8 19	1 56.14	+33 48.2	0.819	1.464	41.7	19.8	106 W	79	30
8 24	2 4.62	+34 21.3	0.795	1.470	40.7	19.7	108 W	79	30
8 29	2 12.26	+34 44.6	0.771	1.477	39.6	19.7	111 W	80	29
9 3	2 18.93	+34 57.6	0.749	1.485	38.2	19.6	115 W	80	29
9 8	2 24.50	+34 59.5	0.726	1.493	36.6	19.5	118 W	80	29
9 13	2 28.88	+34 49.4	0.705	1.503	34.7	19.4	122 W	80	29
9 18	2 32.01	+34 26.8	0.685	1.513	32.5	19.3	126 W	79	30
9 23	2 33.84	+33 50.8	0.667	1.524	30.1	19.1	130 W	79	30
9 28	2 34.38	+33 1.0	0.651	1.535	27.3	19.0	135 W	78	31
10 3	2 33.65	+31 56.7	0.638	1.548	24.2	18.9	141 W	77	32

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	434019 2001 RG_9				*(continuation)*				
	h m	° ′			°	m	°	°	°
10 8	2 31.77	+30 38.0	0.628	1.560	20.9	18.8	146 W	76	33
10 13	2 28.96	+29 5.6	0.621	1.574	17.3	18.7	152 W	74	35
10 18	2 25.45	+27 21.4	0.619	1.588	13.6	18.5	158 W	72	37
10 23	2 21.54	+25 27.8	0.622	1.602	9.9	18.4	164 W	70	39
10 28	2 17.51	+23 28.4	0.630	1.617	6.5	18.3	169 W	68	41
11 2	2 13.64	+21 26.8	0.643	1.632	4.6	18.3	172 E	66	43
11 7	2 10.18	+19 27.3	0.662	1.648	5.8	18.4	170 E	64	45
11 12	2 7.36	+17 33.7	0.687	1.664	8.6	18.7	165 E	63	46
11 17	2 5.30	+15 49.0	0.717	1.680	11.7	18.9	160 E	61	48
11 22	2 4.10	+14 15.3	0.752	1.697	14.7	19.2	154 E	59	50
11 27	2 3.77	+12 53.8	0.792	1.714	17.4	19.4	149 E	58	51
12 2	2 4.31	+11 44.8	0.837	1.731	19.9	19.6	143 E	57	52
12 12	2 7.91	+10 3.4	0.937	1.765	23.9	20.0	133 E	55	54
12 22	2 14.50	+ 9 5.2	1.051	1.800	26.8	20.4	124 E	54	55
1 1	2 23.56	+ 8 41.4	1.176	1.835	28.8	20.7	116 E	54	55
1 11	2 34.67	+ 8 43.7	1.309	1.870	29.9	21.0	109 E	54	55*
1 21	2 47.43	+ 9 4.7	1.447	1.906	30.4	21.3	102 E	54	54*
	219523 2001 QS_{84}								
4 6	20 38.24	−46 28.1	3.659	3.589	15.8	21.5	78 W	—	60*
4 16	20 49.00	−47 7.4	3.535	3.595	16.2	21.4	85 W	—	64*
4 26	20 58.18	−47 56.1	3.410	3.599	16.2	21.3	93 W	—	66*
5 6	21 5.53	−48 54.9	3.286	3.603	16.0	21.2	100 W	—	67*
5 16	21 10.72	−50 4.0	3.168	3.606	15.5	21.1	108 W	—	66
5 26	21 13.38	−51 22.2	3.058	3.608	14.7	21.0	115 W	—	65
6 5	21 13.17	−52 47.2	2.960	3.609	13.7	20.9	123 W	—	63
6 15	21 9.70	−54 14.8	2.877	3.609	12.6	20.8	129 W	—	62
6 25	21 2.79	−55 39.0	2.813	3.609	11.4	20.7	135 W	—	60
7 5	20 52.52	−56 52.5	2.770	3.607	10.5	20.7	140 W	—	59
7 15	20 39.42	−57 47.3	2.749	3.605	10.0	20.6	142 W	—	58
7 25	20 24.61	−58 17.0	2.752	3.602	10.1	20.6	141 W	—	58
8 4	20 9.61	−58 18.4	2.778	3.598	10.9	20.7	138 E	—	58
8 14	19 55.99	−57 52.0	2.827	3.593	11.9	20.8	133 E	—	58
8 24	19 45.04	−57 1.7	2.896	3.588	13.1	20.8	126 E	—	59
9 3	19 37.45	−55 53.5	2.981	3.581	14.3	20.9	119 E	—	60
9 13	19 33.41	−54 33.1	3.081	3.574	15.2	21.0	111 E	—	61
9 23	19 32.77	−53 5.7	3.191	3.566	15.9	21.1	104 E	—	63
10 3	19 35.14	−51 34.7	3.308	3.557	16.2	21.2	96 E	—	64
10 13	19 40.10	−50 2.5	3.429	3.547	16.3	21.3	89 E	—	66*
10 23	19 47.21	−48 30.5	3.550	3.537	16.1	21.4	81 E	—	65*
11 2	19 56.09	−46 59.1	3.669	3.525	15.7	21.4	74 E	—	63*
11 12	20 6.39	−45 28.4	3.783	3.513	15.0	21.5	67 E	—	58*
11 22	20 17.81	−43 58.3	3.889	3.500	14.1	21.5	60 E	—	53*
12 2	20 30.11	−42 28.5	3.986	3.486	13.1	21.5	53 E	1*	47*
12 12	20 43.08	−40 58.6	4.072	3.471	11.9	21.5	47 E	2*	41*
12 22	20 56.54	−39 28.6	4.145	3.455	10.6	21.5	40 E	1*	34*
1 1	21 10.34	−37 58.2	4.204	3.439	9.3	21.4	34 E	—	28*
1 11	21 24.37	−36 27.4	4.248	3.421	8.0	21.4	29 E	—	23*
1 21	21 38.50	−34 56.5	4.276	3.403	6.8	21.3	24 E	—	18*
	522684 2016 JP								
4 6	20 44.38	−15 29.0	0.153	0.951	104.7	20.8	67 W	19*	60*
4 8	20 30.41	−13 42.0	0.150	0.965	99.8	20.5	72 W	23*	64*
4 10	20 16.40	−11 47.8	0.148	0.978	95.0	20.3	77 W	26*	68*
4 12	20 2.37	− 9 47.7	0.146	0.991	90.1	20.1	82 W	30*	70*
4 14	19 48.29	− 7 43.0	0.145	1.005	85.2	19.9	86 W	33*	71*
4 16	19 34.18	− 5 35.2	0.145	1.018	80.3	19.7	91 W	37*	70*
4 18	19 20.05	− 3 25.9	0.145	1.030	75.5	19.6	96 W	40*	67
4 20	19 5.92	− 1 17.0	0.146	1.043	70.8	19.5	101 W	43*	65
4 22	18 51.82	+ 0 49.8	0.147	1.055	66.2	19.4	106 W	46*	63
4 24	18 37.79	+ 2 52.8	0.149	1.068	61.7	19.3	111 W	48*	61
4 26	18 23.89	+ 4 50.4	0.152	1.080	57.4	19.2	115 W	50	59
4 28	18 10.17	+ 6 41.1	0.155	1.091	53.4	19.2	120 W	52	57
4 30	17 56.69	+ 8 23.8	0.159	1.103	49.6	19.2	124 W	53	56
5 2	17 43.51	+ 9 57.6	0.163	1.114	46.1	19.2	127 W	55	54
5 4	17 30.69	+11 21.9	0.169	1.125	42.9	19.2	131 W	56	53
5 6	17 18.30	+12 36.2	0.175	1.136	40.0	19.2	134 W	58	51
5 11	16 49.54	+14 58.5	0.192	1.162	34.6	19.3	139 W	60	49
5 16	16 24.51	+16 23.1	0.213	1.187	31.5	19.5	142 W	61	48
5 21	16 3.52	+16 59.9	0.238	1.210	30.4	19.7	143 W	62	47
5 26	15 46.48	+17 0.2	0.265	1.232	30.8	20.0	141 E	62	47
5 31	15 33.05	+16 34.1	0.295	1.252	32.1	20.3	139 E	62	47
6 5	15 22.79	+15 49.1	0.328	1.270	33.8	20.6	136 E	61	48
6 10	15 15.26	+14 50.9	0.362	1.288	35.5	20.9	133 E	60	49
6 15	15 10.11	+13 43.7	0.397	1.303	37.2	21.2	129 E	59	50
6 20	15 6.97	+12 30.7	0.434	1.317	38.8	21.4	126 E	58	51
	413343 2003 XA								
4 6	21 6.03	−19 54.7	2.490	2.224	23.7	21.4	63 W	12*	57*
4 16	21 24.01	−18 20.2	2.347	2.185	25.3	21.3	68 W	14*	62*
4 26	21 41.43	−16 39.5	2.201	2.147	26.7	21.2	74 W	16*	67*
5 6	21 58.26	−14 53.0	2.055	2.108	28.0	21.0	79 W	18*	72*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
413343 2003 *XA* *(continuation)*									
5 16	22 14.39	−13 1.5	1.910	2.069	29.1	20.9	84 W	21*	75*
5 26	22 29.75	−11 5.8	1.766	2.031	29.9	20.7	90 W	24*	75*
6 5	22 44.22	− 9 6.2	1.625	1.992	30.5	20.5	95 W	28*	73
6 15	22 57.61	− 7 3.7	1.488	1.954	30.7	20.2	101 W	32*	71
6 25	23 9.73	− 4 58.9	1.357	1.917	30.5	20.0	107 W	37*	69
7 5	23 20.29	− 2 52.5	1.232	1.880	29.8	19.7	113 W	41*	67
7 15	23 28.92	− 0 45.8	1.114	1.845	28.5	19.4	120 W	44*	65
7 25	23 35.20	+ 1 20.0	1.007	1.810	26.6	19.1	127 W	46	63
8 4	23 38.66	+ 3 22.9	0.910	1.778	23.9	18.8	135 W	48	61
8 14	23 38.82	+ 5 19.4	0.826	1.746	20.3	18.4	143 W	50	59
8 24	23 35.49	+ 7 5.3	0.757	1.717	15.9	18.0	152 W	52	57
8 29	23 32.56	+ 7 52.5	0.729	1.704	13.6	17.9	157 W	53	56
9 3	23 28.90	+ 8 34.9	0.705	1.690	11.3	17.7	161 W	54	55
9 8	23 24.64	+ 9 11.8	0.686	1.678	9.4	17.5	164 W	54	55
9 13	23 19.99	+ 9 42.7	0.671	1.666	8.2	17.4	166 E	55	54
9 23	23 10.54	+10 26.7	0.657	1.645	9.7	17.4	164 E	55	54
10 3	23 2.58	+10 49.5	0.661	1.626	14.6	17.6	156 E	56	53
10 13	22 57.95	+10 58.7	0.681	1.611	19.9	17.8	147 E	56	53
10 18	22 57.26	+11 1.4	0.697	1.605	22.4	17.9	142 E	56	53
10 23	22 57.73	+11 4.4	0.716	1.599	24.7	18.0	138 E	56	53
10 28	22 59.37	+11 8.7	0.738	1.595	26.8	18.2	134 E	56	53
11 2	23 2.15	+11 14.9	0.762	1.591	28.6	18.3	130 E	56	53
11 12	23 10.96	+11 35.9	0.818	1.587	31.7	18.5	122 E	57	52
11 22	23 23.57	+12 10.3	0.882	1.587	34.0	18.7	116 E	57	52
12 2	23 39.32	+12 58.4	0.953	1.590	35.6	19.0	110 E	58	51*
12 12	23 57.62	+13 59.0	1.031	1.598	36.6	19.2	105 E	59	49*
12 22	0 17.94	+15 10.1	1.114	1.608	37.0	19.4	100 E	60	46*
1 1	0 39.83	+16 28.6	1.203	1.623	37.1	19.6	95 E	61	43*
1 11	1 2.98	+17 51.6	1.297	1.641	36.8	19.7	91 E	63	40*
1 21	1 27.08	+19 16.0	1.396	1.662	36.2	19.9	87 E	64	37*
390540 1999 TE_{165}									
4 6	21 14.43	−18 2.1	1.818	1.588	33.3	21.5	61 W	13*	55*
4 16	21 41.94	−15 39.3	1.742	1.574	34.8	21.4	63 W	14*	57*
4 26	22 8.61	−13 4.5	1.669	1.563	36.1	21.4	66 W	15*	60*
5 6	22 34.40	−10 20.6	1.599	1.556	37.3	21.3	69 W	17*	62*
5 16	22 59.27	− 7 30.8	1.531	1.551	38.3	21.2	72 W	20*	64*
5 26	23 23.15	− 4 38.5	1.465	1.550	39.1	21.1	75 W	23*	65*
6 5	23 46.02	− 1 46.7	1.402	1.553	39.8	21.1	78 W	26*	64*
6 15	0 7.78	+ 1 1.7	1.339	1.559	40.1	21.0	82 W	31*	63*
6 25	0 28.28	+ 3 43.8	1.278	1.568	40.3	20.9	85 W	36*	60
7 5	0 47.37	+ 6 17.5	1.218	1.580	40.0	20.8	90 W	42*	58
7 15	1 4.77	+ 8 40.4	1.158	1.596	39.4	20.7	94 W	47*	55
7 25	1 20.11	+10 50.4	1.099	1.614	38.4	20.6	99 W	53*	53
8 4	1 33.01	+12 46.0	1.041	1.635	36.8	20.4	105 W	57*	51
8 14	1 42.89	+14 25.0	0.986	1.658	34.5	20.3	112 W	59	50
8 24	1 49.20	+15 45.2	0.934	1.683	31.5	20.1	120 W	61	48
9 3	1 51.44	+16 44.0	0.889	1.710	27.5	19.9	128 W	62	47
9 13	1 49.27	+17 17.9	0.853	1.738	22.7	19.7	138 W	62	47
9 23	1 42.94	+17 24.3	0.830	1.768	16.9	19.5	149 W	62	47
9 28	1 38.47	+17 16.9	0.825	1.783	13.8	19.4	155 W	62	47
10 3	1 33.36	+17 2.8	0.824	1.799	10.6	19.3	161 W	62	47
10 8	1 27.84	+16 42.5	0.829	1.815	7.5	19.2	166 W	62	47
10 13	1 22.19	+16 17.4	0.839	1.831	4.9	19.1	171 W	61	48
10 18	1 16.67	+15 48.8	0.854	1.847	3.9	19.1	173 E	61	48
10 23	1 11.52	+15 18.3	0.876	1.864	5.4	19.3	170 E	60	49
10 28	1 6.93	+14 47.4	0.903	1.880	7.9	19.5	165 E	60	49
11 2	1 3.07	+14 17.6	0.936	1.897	10.6	19.7	159 E	59	50
11 7	1 0.05	+13 50.3	0.973	1.913	13.2	19.9	154 E	59	50
11 12	0 57.95	+13 26.6	1.016	1.930	15.6	20.1	148 E	58	51
11 22	0 56.51	+12 52.4	1.115	1.964	19.7	20.5	138 E	58	51
12 2	0 58.55	+12 37.4	1.230	1.998	22.8	20.8	128 E	58	51
12 12	1 3.69	+12 41.3	1.357	2.032	24.9	21.2	120 E	58	51
12 22	1 11.41	+13 2.1	1.493	2.065	26.3	21.4	111 E	58	51*
406952 2009 *KJ*									
4 6	21 41.78	−46 26.6	2.018	1.897	29.4	21.4	69 W	—	50*
4 11	21 55.67	−46 19.3	1.947	1.871	30.3	21.3	71 W	—	51*
4 16	22 9.69	−46 11.3	1.875	1.845	31.3	21.2	73 W	—	52*
4 21	22 23.89	−46 2.5	1.803	1.817	32.2	21.1	75 W	—	54*
4 26	22 38.29	−45 52.7	1.730	1.787	33.2	21.0	77 W	—	55*
5 1	22 52.93	−45 42.1	1.657	1.756	34.2	20.9	78 W	—	56*
5 6	23 7.87	−45 30.4	1.584	1.723	35.2	20.8	80 W	—	57*
5 11	23 23.13	−45 17.4	1.511	1.689	36.3	20.7	82 W	—	59*
5 16	23 38.78	−45 3.0	1.438	1.653	37.4	20.6	83 W	—	60*
5 21	23 54.88	−44 46.5	1.365	1.615	38.6	20.5	84 W	—	61*
5 26	0 11.49	−44 27.4	1.293	1.576	39.8	20.3	85 W	—	62*
5 31	0 28.73	−44 4.8	1.222	1.534	41.2	20.2	86 W	—	63*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
406952 2009 *KJ* *(continuation)*									
6 5	0 46.68	−43 37.6	1.152	1.491	42.8	20.0	87 W	—	64*
6 10	1 5.45	−43 4.4	1.083	1.446	44.5	19.9	87 W	—	64*
6 15	1 25.16	−42 23.1	1.015	1.398	46.5	19.7	87 W	—	65*
6 20	1 45.93	−41 31.1	0.949	1.349	48.8	19.6	87 W	—	65*
6 25	2 7.94	−40 24.7	0.885	1.297	51.4	19.4	86 W	—	66*
6 30	2 31.34	−38 59.1	0.822	1.243	54.5	19.2	84 W	—	66*
7 5	2 56.30	−37 8.3	0.763	1.187	58.1	19.1	82 W	—	66*
7 10	3 22.94	−34 44.4	0.707	1.127	62.5	18.9	79 W	—	65*
7 15	3 51.38	−31 37.8	0.655	1.066	67.6	18.8	76 W	—	63*
7 17	4 3.26	−30 8.6	0.636	1.040	70.0	18.8	74 W	—	63*
7 19	4 15.44	−28 30.2	0.618	1.014	72.5	18.7	72 W	—	61*
7 21	4 27.91	−26 41.7	0.601	0.988	75.1	18.7	70 W	—	60*
7 23	4 40.66	−24 42.7	0.586	0.961	78.0	18.7	68 W	—	59*
7 25	4 53.69	−22 32.6	0.572	0.933	81.0	18.7	65 W	—	57*
7 30	5 27.39	−16 19.2	0.547	0.863	89.2	18.7	58 W	1*	51*
8 4	6 2.46	− 9 4.6	0.536	0.789	98.1	18.9	50 W	4*	44*
8 9	6 38.55	− 1 14.9	0.545	0.713	106.7	19.1	42 W	8*	36*
8 14	7 15.26	+ 6 27.2	0.576	0.634	113.6	19.4	35 W	12*	28*
8 16	7 30.05	+ 9 19.0	0.596	0.602	115.4	19.5	33 W	13*	24*
8 18	7 44.89	+11 59.0	0.620	0.571	116.5	19.5	30 W	14*	21*
8 20	7 59.76	+14 24.7	0.648	0.539	116.7	19.5	28 W	15*	18*
8 22	8 14.66	+16 33.9	0.680	0.508	115.9	19.4	27 W	16*	15*
8 24	8 29.61	+18 24.7	0.717	0.478	114.0	19.3	26 W	16*	12*
8 26	8 44.60	+19 55.6	0.759	0.449	110.9	19.1	25 W	17*	10*
8 28	8 59.63	+21 5.2	0.805	0.422	106.6	18.8	24 W	17*	7*
8 30	9 14.70	+21 52.0	0.855	0.398	101.0	18.5	23 W	16*	5*
9 1	9 29.76	+22 15.3	0.908	0.378	94.2	18.2	22 W	16*	3*
9 3	9 44.75	+22 14.4	0.965	0.363	86.3	18.0	21 W	15*	1*
9 5	9 59.55	+21 50.0	1.023	0.354	77.6	17.7	20 W	14*	—
9 7	10 14.03	+21 3.4	1.082	0.351	68.5	17.5	19 W	13*	—
9 9	10 28.03	+19 57.8	1.140	0.355	59.5	17.4	18 W	11*	—
9 11	10 41.41	+18 36.8	1.196	0.366	50.9	17.3	16 W	10*	—
9 13	10 54.08	+17 4.7	1.250	0.382	43.1	17.3	15 W	8*	—
9 15	11 6.00	+15 25.3	1.302	0.403	36.3	17.3	14 W	7*	—
9 17	11 17.19	+13 42.0	1.350	0.428	30.4	17.3	12 W	6*	—
9 19	11 27.68	+11 57.1	1.396	0.455	25.5	17.4	11 W	4*	—
9 21	11 37.54	+10 12.5	1.440	0.484	21.3	17.5	10 W	3*	—
9 23	11 46.83	+ 8 29.3	1.481	0.515	17.8	17.5	9 W	2*	—
9 28	12 7.96	+ 4 22.0	1.577	0.593	11.4	17.8	7 W	—	—
10 3	12 26.75	+ 0 33.2	1.664	0.673	7.3	18.0	5 W	—	—
10 8	12 43.80	− 2 56.6	1.744	0.750	5.0	18.2	4 W	—	—
10 13	12 59.55	− 6 8.8	1.819	0.825	4.2	18.5	4 W	—	—
10 18	13 14.29	− 9 5.1	1.888	0.897	4.6	18.7	4 W	—	—
10 23	13 28.27	−11 47.3	1.953	0.966	5.4	19.0	5 W	—	—
10 28	13 41.64	−14 17.1	2.013	1.033	6.5	19.3	7 W	—	—
11 2	13 54.53	−16 36.0	2.068	1.096	7.6	19.5	8 W	—	2*
11 7	14 7.03	−18 45.2	2.119	1.156	8.7	19.7	10 W	—	4*
11 12	14 19.21	−20 45.9	2.165	1.214	9.8	19.9	12 W	—	6*
11 17	14 31.14	−22 39.0	2.206	1.270	10.8	20.1	14 W	—	8*
11 22	14 42.84	−24 25.2	2.243	1.323	11.9	20.3	16 W	1*	10*
12 2	15 5.77	−27 40.0	2.303	1.422	14.0	20.6	20 W	2*	14*
12 12	15 28.19	−30 34.9	2.345	1.512	16.0	20.8	25 W	3*	19*
12 22	15 50.20	−33 13.7	2.368	1.595	18.0	21.0	30 W	3*	24*
1 1	16 11.89	−35 39.3	2.373	1.670	19.9	21.2	35 W	3*	29*
1 11	16 33.24	−37 54.8	2.361	1.739	21.7	21.3	41 W	2*	35*
1 21	16 54.23	−40 2.4	2.333	1.802	23.3	21.4	46 W	1*	40*
405508 2005 BG_2									
4 6	22 8.68	−25 25.2	2.790	2.317	20.0	21.5	52 W	—	44*
4 16	22 26.21	−23 33.9	2.657	2.277	21.8	21.4	57 W	1*	50*
4 26	22 43.17	−21 38.8	2.519	2.238	23.5	21.3	62 W	4*	55*
5 6	22 59.53	−19 40.1	2.376	2.197	25.1	21.1	68 W	6*	61*
5 16	23 15.26	−17 37.9	2.229	2.157	26.6	21.0	73 W	9*	67*
5 26	23 30.29	−15 32.3	2.081	2.115	27.9	20.9	78 W	13*	72*
6 5	23 44.56	−13 23.0	1.931	2.074	29.1	20.7	83 W	17*	75*
6 15	23 57.93	−11 9.5	1.781	2.032	30.0	20.5	89 W	22*	75*
6 25	0 10.24	− 8 50.9	1.633	1.990	30.6	20.3	95 W	27*	73
7 5	0 21.28	− 6 25.7	1.487	1.949	30.9	20.0	100 W	33*	70
7 15	0 30.72	− 3 51.8	1.346	1.907	30.7	19.8	107 W	39*	68
7 25	0 38.15	− 1 6.5	1.211	1.866	29.9	19.5	114 W	44*	65
8 4	0 43.04	+ 1 53.8	1.084	1.826	28.5	19.1	121 W	47	62
8 14	0 44.65	+ 5 12.9	0.967	1.786	26.2	18.8	129 W	50	59
8 24	0 42.18	+ 8 53.7	0.864	1.748	23.0	18.4	137 W	54	55
9 3	0 34.84	+12 56.1	0.778	1.711	19.1	18.0	146 W	58	51
9 8	0 29.14	+15 3.3	0.742	1.694	17.0	17.8	151 W	60	49
9 13	0 22.10	+17 12.2	0.711	1.676	15.0	17.6	154 W	62	47
9 18	0 13.81	+19 20.2	0.687	1.660	13.5	17.5	157 W	64	45
9 23	0 4.48	+21 24.4	0.668	1.644	12.9	17.4	159 W	66	43

405508 2005 BG_2 *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
9 28	23 54.38	+23 21.6	0.656	1.628	13.4	17.3	158 E	68	41
10 3	23 43.89	+25 8.7	0.649	1.613	15.0	17.3	155 E	70	39
10 8	23 33.47	+26 43.7	0.648	1.599	17.3	17.4	152 E	72	37
10 13	23 23.61	+28 5.8	0.652	1.586	19.9	17.5	147 E	73	36
10 18	23 14.72	+29 15.3	0.661	1.573	22.7	17.6	143 E	74	35
10 23	23 7.15	+30 13.7	0.674	1.561	25.3	17.7	138 E	75	34
10 28	23 1.12	+31 2.5	0.690	1.550	27.8	17.8	133 E	76	33
11 2	22 56.79	+31 44.1	0.709	1.540	30.0	17.9	129 E	77	32
11 7	22 54.22	+32 20.5	0.730	1.531	32.0	18.0	125 E	77	32
11 12	22 53.41	+32 53.9	0.753	1.523	33.7	18.1	121 E	78	31
11 17	22 54.29	+33 25.9	0.778	1.516	35.2	18.2	118 E	78	31
11 22	22 56.78	+33 57.8	0.803	1.511	36.5	18.3	115 E	79	30*
11 27	23 0.78	+34 30.3	0.829	1.506	37.5	18.4	112 E	80	29*
12 2	23 6.21	+35 4.0	0.856	1.502	38.4	18.5	109 E	80	28*
12 7	23 12.99	+35 39.3	0.883	1.499	39.0	18.6	107 E	81	27*
12 12	23 21.03	+36 16.4	0.910	1.498	39.6	18.6	104 E	81	25*
12 17	23 30.26	+36 55.3	0.938	1.497	39.9	18.7	102 E	82	24*
12 22	23 40.61	+37 35.4	0.966	1.498	40.2	18.8	100 E	83	22*
12 27	23 52.01	+38 16.4	0.995	1.500	40.4	18.9	99 E	83	21*
1 1	0 4.41	+38 57.8	1.023	1.503	40.5	18.9	97 E	84	19*
1 6	0 17.79	+39 39.0	1.053	1.507	40.5	19.0	95 E	85	18*
1 11	0 32.07	+40 19.4	1.083	1.512	40.4	19.1	94 E	85*	17*
1 16	0 47.19	+40 58.2	1.114	1.519	40.3	19.1	93 E	86*	16*
1 21	1 3.09	+41 34.5	1.146	1.526	40.1	19.2	91 E	85*	15*

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4 6	22 13.65	−10 53.4	2.910	2.309	17.7	21.5	45 W	10*	39*
4 16	22 31.12	− 8 55.5	2.787	2.272	19.7	21.4	50 W	12*	44*
4 26	22 48.38	− 6 52.8	2.658	2.235	21.6	21.3	55 W	14*	48*
5 6	23 5.43	− 4 46.0	2.525	2.198	23.4	21.2	60 W	17*	53*
5 16	23 22.26	− 2 35.5	2.389	2.161	25.0	21.1	65 W	20*	56*
5 26	23 38.87	− 0 22.0	2.251	2.124	26.6	21.0	70 W	24*	59*
6 5	23 55.23	+ 1 54.0	2.112	2.087	28.0	20.9	75 W	28*	60*
6 15	0 11.31	+ 4 12.0	1.974	2.050	29.2	20.7	80 W	33*	59*
6 25	0 27.04	+ 6 31.2	1.837	2.014	30.2	20.5	85 W	38*	57
7 5	0 42.35	+ 8 51.2	1.703	1.979	30.9	20.4	90 W	44*	55
7 15	0 57.09	+11 11.3	1.571	1.944	31.4	20.2	95 W	51*	53
7 25	1 11.07	+13 30.7	1.445	1.910	31.5	19.9	100 W	56*	50
8 4	1 24.07	+15 48.7	1.323	1.878	31.3	19.7	106 W	61*	48
8 14	1 35.71	+18 4.0	1.208	1.847	30.5	19.5	112 W	63	46
8 24	1 45.56	+20 15.2	1.101	1.817	29.2	19.2	119 W	65	44
8 29	1 49.67	+21 18.6	1.051	1.803	28.3	19.0	122 W	66	43
9 3	1 53.12	+22 20.0	1.003	1.789	27.3	18.9	126 W	67	42
9 8	1 55.84	+23 19.0	0.958	1.776	26.0	18.7	129 W	68	41
9 13	1 57.76	+24 14.8	0.915	1.764	24.6	18.6	133 W	69	40
9 18	1 58.83	+25 6.8	0.876	1.751	23.0	18.4	137 W	70	39
9 23	1 59.00	+25 54.3	0.840	1.740	21.2	18.3	141 W	71	38
9 28	1 58.26	+26 36.2	0.808	1.729	19.2	18.1	145 W	72	37
10 3	1 56.61	+27 11.5	0.779	1.719	17.1	17.9	150 W	72	37
10 8	1 54.12	+27 39.1	0.755	1.710	14.9	17.8	154 W	73	36
10 13	1 50.91	+27 58.3	0.735	1.701	12.8	17.6	158 W	73	36
10 18	1 47.19	+28 8.4	0.719	1.693	11.1	17.5	161 W	73	36
10 23	1 43.18	+28 9.5	0.708	1.685	9.9	17.4	163 E	73	36
10 28	1 39.13	+28 1.8	0.702	1.679	9.7	17.4	163 E	73	36
11 2	1 35.32	+27 46.0	0.701	1.673	10.6	17.4	162 E	73	36
11 7	1 32.01	+27 23.6	0.704	1.668	12.2	17.5	159 E	72	37
11 12	1 29.47	+26 56.5	0.712	1.664	14.4	17.6	155 E	72	37
11 17	1 27.87	+26 26.6	0.724	1.661	16.7	17.7	151 E	71	38
11 22	1 27.32	+25 55.9	0.741	1.658	19.0	17.8	147 E	71	38
11 27	1 27.88	+25 25.9	0.761	1.657	21.3	17.9	142 E	70	39
12 2	1 29.57	+24 58.0	0.785	1.656	23.4	18.1	138 E	70	39
12 7	1 32.38	+24 33.4	0.812	1.656	25.3	18.2	134 E	70	39
12 12	1 36.27	+24 12.7	0.842	1.657	27.1	18.3	130 E	69	40
12 17	1 41.16	+23 56.5	0.875	1.659	28.6	18.5	126 E	69	40
12 22	1 46.98	+23 44.7	0.911	1.661	30.0	18.6	123 E	69	40
12 27	1 53.63	+23 37.3	0.949	1.665	31.1	18.7	119 E	69	40
1 1	2 1.04	+23 33.8	0.989	1.669	32.1	18.8	116 E	69	40*
1 6	2 9.15	+23 34.1	1.031	1.674	32.9	19.0	112 E	69	40*
1 11	2 17.89	+23 37.7	1.075	1.680	33.5	19.1	109 E	69	40*
1 16	2 27.17	+23 44.0	1.121	1.687	34.0	19.2	106 E	69	40*
1 21	2 36.94	+23 52.6	1.168	1.695	34.4	19.3	104 E	69	39*

315239 2007 RB_{280}

4 6	22 16.35	− 6 58.6	2.372	1.774	22.5	21.5	43 W	13*	36*
4 16	22 39.70	− 3 59.7	2.285	1.746	24.5	21.4	46 W	14*	39*
4 26	23 3.01	− 0 52.3	2.198	1.721	26.3	21.4	49 W	17*	42*
5 6	23 26.36	+ 2 21.7	2.113	1.697	28.1	21.3	52 W	19*	44*
5 16	23 49.83	+ 5 40.3	2.029	1.676	29.8	21.3	55 W	22*	46*
5 26	0 13.47	+ 9 1.0	1.949	1.657	31.3	21.2	58 W	25*	46*
6 5	0 37.37	+12 21.4	1.871	1.641	32.8	21.1	61 W	29*	46*
6 15	1 1.57	+15 38.7	1.795	1.629	34.1	21.0	64 W	33*	45*

315239 2007 RB_{280} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
6 25	1 26.08	+18 50.0	1.723	1.619	35.2	21.0	67 W	38*	43*
7 5	1 50.91	+21 52.3	1.653	1.612	36.3	20.9	70 W	44*	41*
7 15	2 15.98	+24 43.0	1.585	1.609	37.1	20.8	73 W	50*	39*
7 25	2 41.13	+27 19.2	1.518	1.609	37.8	20.8	76 W	56*	37*
8 4	3 6.18	+29 39.2	1.453	1.612	38.2	20.7	79 W	62*	34*
8 14	3 30.75	+31 41.4	1.389	1.619	38.4	20.6	83 W	67*	32
8 24	3 54.43	+33 24.9	1.326	1.629	38.3	20.5	87 W	73*	31
9 3	4 16.70	+34 50.1	1.262	1.642	37.9	20.4	92 W	78*	29
9 8	4 27.11	+35 26.0	1.231	1.650	37.5	20.4	94 W	80*	29
9 13	4 36.90	+35 57.6	1.199	1.658	37.0	20.3	97 W	81*	28
9 18	4 46.00	+36 25.1	1.168	1.667	36.4	20.2	100 W	81	28
9 23	4 54.31	+36 48.8	1.137	1.677	35.7	20.2	103 W	82	27
9 28	5 1.73	+37 8.7	1.106	1.687	34.8	20.1	106 W	82	27
10 3	5 8.17	+37 25.1	1.076	1.698	33.7	20.0	110 W	82	27
10 8	5 13.49	+37 37.9	1.047	1.710	32.5	19.9	113 W	83	26
10 13	5 17.62	+37 47.1	1.019	1.722	31.0	19.9	117 W	83	26
10 18	5 20.47	+37 52.6	0.993	1.734	29.4	19.8	121 W	83	26
10 23	5 21.98	+37 53.9	0.968	1.748	27.5	19.7	126 W	83	26
10 28	5 22.11	+37 50.8	0.945	1.761	25.4	19.6	131 W	83	26
11 2	5 20.84	+37 42.4	0.925	1.775	23.1	19.5	136 W	83	26
11 7	5 18.21	+37 28.1	0.909	1.790	20.5	19.4	141 W	82	27
11 12	5 14.34	+37 7.2	0.896	1.804	17.8	19.3	146 W	82	27
11 17	5 9.43	+36 39.1	0.887	1.819	14.9	19.2	152 W	82	27
11 22	5 3.70	+36 3.5	0.884	1.835	12.0	19.1	157 W	81	28
11 27	4 57.45	+35 20.6	0.886	1.851	9.3	19.0	162 W	80	29
12 2	4 50.99	+34 31.1	0.893	1.867	7.0	18.9	167 W	80	29
12 7	4 44.65	+33 36.1	0.907	1.883	5.8	18.9	169 E	79	30
12 12	4 38.76	+32 37.3	0.926	1.899	6.5	19.0	167 E	78	31
12 17	4 33.55	+31 36.7	0.952	1.916	8.4	19.2	164 E	77	32
12 22	4 29.21	+30 36.1	0.983	1.933	10.7	19.4	159 E	76	33
12 27	4 25.84	+29 37.2	1.021	1.950	13.1	19.6	153 E	75	34
1 1	4 23.51	+28 41.4	1.063	1.967	15.4	19.7	148 E	74	35
1 6	4 22.23	+27 49.6	1.111	1.984	17.5	19.9	143 E	73	36
1 11	4 21.99	+27 2.5	1.163	2.002	19.4	20.1	138 E	72	37
1 16	4 22.73	+26 20.4	1.219	2.019	21.0	20.3	133 E	71	38
1 21	4 24.38	+25 43.3	1.279	2.036	22.4	20.5	128 E	71	38

533967 2014 QV_{168}

4 6	22 20.00	− 6 28.0	2.214	1.612	24.4	21.5	42 W	12*	35*
4 16	22 48.32	− 4 18.7	2.125	1.570	26.5	21.4	44 W	13*	38*
4 26	23 17.27	− 2 2.6	2.040	1.530	28.4	21.3	46 W	13*	40*
5 6	23 46.91	+ 0 17.6	1.960	1.493	30.3	21.2	48 W	14*	41*
5 16	0 17.28	+ 2 38.7	1.887	1.461	32.1	21.2	50 W	15*	43*
5 26	0 48.36	+ 4 56.8	1.820	1.432	33.7	21.1	52 W	16*	44*
6 5	1 20.16	+ 7 8.0	1.760	1.408	35.2	21.0	53 W	18*	44*
6 15	1 52.57	+ 9 8.1	1.707	1.390	36.5	21.0	54 W	20*	44*
6 25	2 25.40	+10 52.9	1.661	1.377	37.6	20.9	56 W	22*	44*
7 5	2 58.44	+12 19.1	1.621	1.371	38.6	20.9	57 W	26*	44*
7 15	3 31.39	+13 24.1	1.586	1.370	39.4	20.8	59 W	29*	44*
7 25	4 3.86	+14 6.1	1.555	1.376	40.0	20.8	60 W	33*	44*
8 4	4 35.52	+14 25.0	1.527	1.388	40.4	20.8	62 W	36*	44*
8 14	5 5.98	+14 21.5	1.500	1.405	40.7	20.8	65 W	40*	44*
8 24	5 34.89	+13 57.5	1.473	1.428	40.8	20.8	67 W	43*	45*
9 3	6 1.97	+13 15.8	1.445	1.456	40.7	20.8	70 W	47*	45*
9 13	6 26.96	+12 19.4	1.414	1.488	40.5	20.8	74 W	49*	47*
9 23	6 49.61	+11 12.1	1.380	1.525	40.0	20.8	78 W	52*	48*
10 3	7 9.73	+ 9 57.6	1.343	1.564	39.4	20.8	82 W	53*	50*
10 13	7 27.06	+ 8 39.8	1.302	1.606	38.4	20.7	88 W	53*	53*
10 23	7 41.36	+ 7 22.8	1.257	1.650	37.0	20.7	93 W	52	55*
11 2	7 52.32	+ 6 11.0	1.210	1.696	35.2	20.6	100 W	51	57*
11 12	7 59.57	+ 5 9.4	1.162	1.743	32.7	20.5	108 W	50	59
11 22	8 2.81	+ 4 23.5	1.116	1.791	29.6	20.4	117 W	49	60
11 27	8 2.84	+ 4 8.0	1.095	1.815	27.7	20.3	121 W	49	60
12 2	8 1.80	+ 3 58.6	1.076	1.840	25.6	20.3	126 W	49	60
12 7	7 59.69	+ 3 55.8	1.060	1.864	23.4	20.2	131 W	49	60
12 12	7 56.57	+ 4 0.1	1.047	1.889	20.9	20.1	137 W	49	60
12 22	7 47.68	+ 4 31.2	1.033	1.938	15.6	20.0	148 W	50	59
1 1	7 36.26	+ 5 31.0	1.039	1.987	10.5	19.8	158 W	51	58
1 11	7 23.99	+ 6 54.1	1.070	2.036	7.2	19.8	165 E	52	57
1 21	7 12.72	+ 8 31.0	1.126	2.084	8.5	20.0	162 E	54	55

508951 2004 TC_{20}

4 6	23 0.12	−21 1.1	2.289	1.653	22.9	21.5	40 W	—	32*
4 16	23 31.28	−19 31.2	2.209	1.620	24.8	21.4	43 W	—	34*
4 26	0 2.72	−17 50.1	2.136	1.591	26.5	21.4	45 W	—	36*
5 6	0 34.29	−15 59.7	2.070	1.566	28.1	21.3	47 W	—	39*
5 16	1 5.81	−14 2.6	2.013	1.545	29.4	21.2	49 W	—	41*
5 26	1 37.08	−12 1.8	1.964	1.529	30.6	21.2	50 W	—	43*
6 5	2 7.90	−10 0.5	1.922	1.518	31.6	21.2	52 W	—	45*
6 15	2 38.09	− 8 2.0	1.887	1.512	32.5	21.1	53 W	—	47*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	508951 2004 TC_{20}							*(continuation)*	
	h m	° ′			°	m	°	°	°
6 25	3 7.45	− 6 9.0	1.857	1.512	33.2	21.1	54 W	3*	48*
7 5	3 35.83	− 4 23.9	1.831	1.517	33.7	21.1	56 W	7*	50*
7 15	4 3.07	− 2 48.3	1.806	1.527	34.2	21.1	58 W	12*	51*
7 25	4 29.05	− 1 23.1	1.781	1.542	34.7	21.1	60 W	17*	52*
8 4	4 53.65	− 0 8.3	1.754	1.562	35.0	21.1	62 W	22*	53*
8 14	5 16.75	+ 0 56.6	1.723	1.587	35.3	21.1	65 W	28*	54*
8 24	5 38.23	+ 1 53.1	1.688	1.616	35.6	21.1	68 W	33*	54*
9 3	5 57.98	+ 2 43.0	1.647	1.648	35.7	21.1	72 W	38*	55*
9 13	6 15.79	+ 3 28.7	1.599	1.684	35.6	21.1	77 W	43*	56*
9 23	6 31.49	+ 4 13.7	1.545	1.722	35.2	21.1	82 W	47*	57*
10 3	6 44.82	+ 5 1.5	1.486	1.763	34.6	21.0	88 W	50*	57*
10 13	6 55.44	+ 5 56.6	1.422	1.806	33.4	20.9	95 W	51	57*
10 23	7 2.97	+ 7 4.4	1.356	1.851	31.6	20.8	103 W	52	57*
11 2	7 6.99	+ 8 30.0	1.291	1.897	29.1	20.7	112 W	54	55
11 12	7 7.03	+10 18.7	1.231	1.944	25.6	20.6	122 W	55	54
11 22	7 2.82	+12 33.6	1.181	1.992	21.2	20.4	133 W	58	51
12 2	6 54.37	+15 13.2	1.148	2.040	15.8	20.2	146 W	60	49
12 7	6 48.70	+16 40.2	1.140	2.065	12.8	20.1	152 W	62	47
12 12	6 42.27	+18 10.1	1.139	2.089	9.6	20.0	159 W	63	46
12 17	6 35.27	+19 41.0	1.145	2.114	6.4	19.9	166 W	65	44
12 22	6 27.92	+21 10.7	1.158	2.138	3.1	19.8	173 W	66	43
12 27	6 20.48	+22 37.5	1.179	2.163	0.4	19.6	179 E	68	41
1 1	6 13.20	+23 59.7	1.208	2.187	3.2	19.9	173 E	69	40
1 6	6 6.34	+25 16.2	1.245	2.211	6.2	20.2	166 E	70	39
1 11	6 0.11	+26 26.2	1.288	2.236	8.9	20.4	159 E	71	38
1 16	5 54.69	+27 29.5	1.339	2.260	11.4	20.6	153 E	72	37
1 21	5 50.18	+28 26.3	1.396	2.284	13.6	20.8	147 E	73	36
	247822 2003 SH_{180}								
4 6	23 14.10	− 6 9.7	2.540	1.735	16.3	21.5	29 W	4*	23*
4 16	23 38.50	− 3 17.3	2.475	1.712	18.2	21.5	32 W	5*	26*
4 26	0 2.97	− 0 20.9	2.411	1.690	20.0	21.5	35 W	7*	29*
5 6	0 27.59	+ 2 37.4	2.347	1.672	21.8	21.4	38 W	8*	32*
5 16	0 52.41	+ 5 35.5	2.283	1.656	23.5	21.4	41 W	11*	34*
5 26	1 17.50	+ 8 30.7	2.221	1.643	25.2	21.4	44 W	13*	36*
6 5	1 42.89	+11 20.8	2.160	1.633	26.7	21.3	46 W	17*	37*
6 15	2 8.61	+14 3.2	2.100	1.627	28.1	21.3	49 W	20*	38*
6 25	2 34.63	+16 35.5	2.041	1.624	29.5	21.3	52 W	25*	38*
7 5	3 0.92	+18 55.7	1.982	1.624	30.7	21.3	55 W	30*	38*
7 15	3 27.37	+21 1.8	1.924	1.627	31.9	21.2	58 W	35*	38*
7 25	3 53.84	+22 52.4	1.866	1.634	32.9	21.2	61 W	40*	37*
8 4	4 20.13	+24 26.7	1.808	1.644	33.8	21.2	64 W	46*	36*
8 14	4 45.99	+25 44.4	1.748	1.657	34.5	21.1	68 W	51*	36*
8 24	5 11.12	+26 46.2	1.687	1.673	35.0	21.1	72 W	56*	35*
9 3	5 35.21	+27 33.2	1.624	1.691	35.4	21.0	76 W	62*	35*
9 13	5 57.88	+28 7.6	1.559	1.713	35.4	21.0	81 W	66*	34*
9 23	6 18.75	+28 31.9	1.493	1.736	35.2	20.9	86 W	70*	34*
10 3	6 37.43	+28 49.4	1.425	1.762	34.6	20.8	91 W	73*	34*
10 13	6 53.43	+29 3.7	1.356	1.789	33.5	20.7	98 W	74	35*
10 23	7 6.26	+29 18.3	1.288	1.818	31.9	20.6	105 W	74	35*
11 2	7 15.42	+29 36.4	1.222	1.849	29.6	20.5	113 W	75	34
11 12	7 20.31	+30 0.1	1.161	1.881	26.6	20.3	122 W	75	34
11 22	7 20.53	+30 29.4	1.109	1.914	22.7	20.1	132 W	75	34
12 2	7 15.91	+31 1.5	1.070	1.947	18.0	19.9	142 W	76	33
12 7	7 11.86	+31 16.8	1.057	1.964	15.3	19.8	148 W	76	33
12 12	7 6.82	+31 30.3	1.049	1.981	12.6	19.7	154 W	77	32
12 17	7 0.98	+31 41.1	1.046	1.999	9.8	19.6	160 W	77	32
12 22	6 54.57	+31 48.3	1.049	2.016	7.1	19.5	165 W	77	32
12 27	6 47.84	+31 51.2	1.058	2.034	4.9	19.5	170 W	77	32
1 1	6 41.08	+31 49.6	1.074	2.051	4.2	19.5	171 E	77	32
1 6	6 34.59	+31 43.5	1.096	2.069	5.5	19.6	168 E	77	32
1 11	6 28.62	+31 33.4	1.125	2.087	7.7	19.8	164 E	77	32
1 16	6 23.39	+31 19.9	1.159	2.104	10.0	20.0	158 E	76	33
1 21	6 19.04	+31 3.7	1.200	2.122	12.4	20.2	152 E	76	33
	484795 2009 DE_{47}								
4 6	23 20.49	−17 23.4	1.845	1.161	28.9	21.4	34 W	—	26*
4 16	23 54.66	−13 2.9	1.795	1.118	30.3	21.3	34 W	—	27*
4 26	0 28.95	− 8 16.8	1.750	1.072	31.5	21.2	34 W	—	27*
5 6	1 3.78	− 3 8.7	1.710	1.026	32.5	21.1	33 W	—	27*
5 16	1 39.69	+ 2 16.3	1.677	0.979	33.1	21.0	32 W	—	26*
5 26	2 17.34	+ 7 50.8	1.652	0.933	33.4	20.8	30 W	2*	24*
6 5	2 57.51	+13 24.2	1.636	0.890	33.1	20.7	29 W	5*	22*
6 15	3 41.04	+18 41.4	1.630	0.852	32.2	20.6	27 W	8*	19*
6 25	4 28.59	+23 22.6	1.633	0.822	30.6	20.5	24 W	10*	15*
6 30	4 53.96	+25 22.4	1.639	0.810	29.6	20.4	23 W	11*	13*
7 5	5 20.34	+27 4.4	1.647	0.802	28.5	20.4	22 W	11*	10*
7 10	5 47.59	+28 25.6	1.657	0.796	27.2	20.3	21 W	12*	8*
7 15	6 15.49	+29 23.9	1.669	0.794	25.9	20.3	20 W	12*	6*
7 20	6 43.76	+29 57.6	1.684	0.794	24.5	20.3	19 W	12*	4*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	484795 2009 DE_{47}							*(continuation)*	
	h m	° ′			°	m	°	°	°
7 25	7 12.05	+30 6.1	1.700	0.798	23.1	20.3	18 W	11*	2*
7 30	7 40.05	+29 49.7	1.719	0.806	21.7	20.3	17 W	11*	—
8 4	8 7.43	+29 9.6	1.739	0.816	20.4	20.3	16 W	10*	—
8 9	8 33.93	+28 8.0	1.760	0.828	19.1	20.3	15 W	9*	—
8 14	8 59.36	+26 47.4	1.783	0.843	17.8	20.3	15 W	9*	—
8 19	9 23.61	+25 10.7	1.806	0.861	16.6	20.3	14 W	8*	—
8 24	9 46.63	+23 20.9	1.831	0.880	15.6	20.4	13 W	7*	—
8 29	10 8.46	+21 20.8	1.856	0.900	14.5	20.4	13 W	6*	—
9 3	10 29.16	+19 12.9	1.881	0.922	13.6	20.5	12 W	5*	—
9 8	10 48.80	+16 59.3	1.906	0.944	12.7	20.5	12 W	5*	—
9 13	11 7.48	+14 42.2	1.932	0.967	12.0	20.6	12 W	5*	—
9 18	11 25.30	+12 23.0	1.957	0.990	11.3	20.6	11 W	4*	—
9 23	11 42.37	+10 3.1	1.981	1.014	10.8	20.7	11 W	4*	—
9 28	11 58.78	+ 7 43.5	2.005	1.037	10.3	20.8	11 W	4*	—
10 3	12 14.65	+ 5 25.0	2.028	1.061	10.0	20.8	11 W	4*	—
10 8	12 30.04	+ 3 8.3	2.050	1.084	9.9	20.9	11 W	5*	—
10 13	12 45.03	+ 0 54.1	2.070	1.106	9.8	20.9	11 W	5*	—
10 18	12 59.69	− 1 17.4	2.089	1.129	10.0	21.0	11 W	5*	—
10 23	13 14.09	− 3 25.8	2.106	1.150	10.2	21.1	12 W	6*	—
10 28	13 28.30	− 5 30.9	2.121	1.171	10.6	21.1	13 W	6*	—
11 2	13 42.35	− 7 32.4	2.135	1.191	11.1	21.2	13 W	7*	1*
11 7	13 56.31	− 9 30.3	2.146	1.211	11.6	21.3	14 W	8*	2*
11 12	14 10.21	−11 24.2	2.155	1.229	12.3	21.4	15 W	8*	4*
11 17	14 24.09	−13 14.2	2.163	1.247	13.0	21.4	17 W	9*	5*
11 22	14 37.98	−15 0.2	2.167	1.264	13.8	21.5	18 W	9*	7*
	382406 1996 AJ_1								
4 6	23 33.90	− 2 37.4	0.910	0.394	91.5	21.4	23 W	3*	17*
4 8	23 49.28	− 1 10.2	0.962	0.360	85.7	21.1	21 W	2*	15*
4 10	0 4.82	+ 0 19.8	1.017	0.330	78.0	20.8	19 W	1*	13*
4 12	0 20.71	+ 1 53.5	1.074	0.307	68.3	20.4	17 W	—	10*
4 14	0 37.10	+ 3 31.3	1.132	0.291	56.9	20.0	14 W	—	8*
4 16	0 53.95	+ 5 12.3	1.187	0.286	44.4	19.8	12 W	—	6*
4 18	1 11.06	+ 6 54.5	1.239	0.292	32.1	19.6	9 W	—	3*
4 20	1 28.14	+ 8 35.0	1.286	0.308	21.0	19.4	6 W	—	—
4 22	1 44.88	+10 11.3	1.329	0.333	11.7	19.3	4 W	—	—
4 24	2 1.12	+11 41.5	1.367	0.363	4.5	19.3	2 W	—	—
4 26	2 16.76	+13 5.0	1.402	0.397	2.2	19.4	1 E	—	—
5 6	3 26.04	+18 22.1	1.561	0.582	14.7	21.0	8 E	1*	—
5 16	4 23.14	+21 26.3	1.716	0.761	16.7	21.9	12 E	4*	4*
5 26	5 11.07	+23 2.0	1.873	0.923	15.5	22.4	14 E	4*	5*
6 5	5 51.98	+23 40.0	2.027	1.070	13.2	22.9	14 E	4*	6*
	405212 2003 QC_{10}								
4 6	23 44.79	− 2 44.4	2.335	1.444	14.2	21.4	21 W	1*	15*
4 16	0 10.77	+ 0 19.0	2.198	1.338	17.3	21.3	23 W	2*	17*
4 26	0 39.62	+ 3 42.2	2.056	1.223	20.5	21.0	25 W	3*	19*
5 6	1 12.44	+ 7 27.2	1.914	1.099	23.6	20.7	26 W	4*	20*
5 16	1 50.83	+11 34.0	1.777	0.964	26.5	20.4	25 W	5*	19*
5 21	2 12.78	+13 44.1	1.713	0.893	27.8	20.2	24 W	5*	18*
5 26	2 37.01	+15 56.5	1.653	0.819	28.7	19.9	23 W	5*	16*
5 31	3 3.95	+18 8.4	1.597	0.743	29.0	19.6	21 W	4*	14*
6 5	3 34.04	+20 15.0	1.548	0.665	28.5	19.3	18 W	4*	11*
6 10	4 7.74	+22 9.5	1.506	0.586	26.5	18.9	15 W	3*	7*
6 15	4 45.44	+23 42.1	1.469	0.510	22.2	18.4	11 W	1*	3*
6 17	5 1.68	+24 10.2	1.456	0.481	19.6	18.2	9 W	—	2*
6 19	5 18.60	+24 31.8	1.444	0.454	16.3	18.0	7 W	—	—
6 21	5 36.14	+24 46.0	1.431	0.429	12.4	17.7	5 W	—	—
6 23	5 54.27	+24 51.7	1.418	0.407	7.8	17.4	3 W	—	—
6 25	6 12.87	+24 48.0	1.405	0.389	3.8	17.0	1 W	—	—
6 27	6 31.84	+24 34.2	1.390	0.377	6.4	17.1	2 E	—	—
6 29	6 50.98	+24 9.9	1.374	0.370	12.7	17.3	5 E	—	—
7 1	7 10.12	+23 35.0	1.357	0.369	19.7	17.5	7 E	—	—
7 3	7 29.07	+22 50.1	1.338	0.375	26.6	17.7	9 E	—	2*
7 5	7 47.67	+21 56.0	1.319	0.386	33.0	17.9	12 E	1*	5*
7 7	8 5.81	+20 53.8	1.299	0.403	38.8	18.1	14 E	2*	7*
7 9	8 23.42	+19 44.5	1.280	0.424	43.7	18.4	17 E	2*	10*
7 11	8 40.49	+18 29.3	1.262	0.448	47.7	18.6	19 E	3*	12*
7 13	8 57.01	+17 9.1	1.246	0.475	51.0	18.7	21 E	4*	14*
7 15	9 13.01	+15 44.9	1.232	0.503	53.5	18.9	23 E	4*	17*
7 20	9 50.89	+12 2.1	1.208	0.580	57.0	19.3	29 E	6*	22*
7 25	10 26.00	+ 8 10.8	1.200	0.658	57.8	19.6	33 E	7*	27*
7 30	10 58.59	+ 4 20.9	1.207	0.736	57.0	19.8	37 E	7*	31*
8 4	11 28.87	+ 0 40.1	1.229	0.813	55.1	20.0	41 E	8*	35*
8 9	11 56.99	− 2 46.0	1.264	0.887	52.8	20.2	44 E	8*	38*
8 14	12 23.11	− 5 54.2	1.310	0.958	50.2	20.4	47 E	8*	41*
8 24	13 10.03	−11 13.6	1.428	1.093	44.9	20.7	50 E	8*	44*
9 3	13 51.00	−15 22.5	1.569	1.218	40.0	21.0	51 E	8*	45*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
405212 2003 QC_{10} *(continuation)*									
9 13	14 27.34	−18 33.7	1.724	1.333	35.6	21.3	50 E	8*	44*
9 23	15 0.08	−21 0.0	1.886	1.439	31.7	21.5	49 E	8*	43*
512234 2015 VO_{66}									
4 6	23 54.42	− 4 40.8	1.130	0.385	60.8	20.9	20 W	—	13*
4 8	0 6.75	− 3 44.0	1.181	0.393	53.9	20.8	18 W	—	12*
4 10	0 18.93	− 2 41.8	1.230	0.405	47.4	20.8	17 W	—	11*
4 12	0 30.87	− 1 35.7	1.278	0.421	41.6	20.8	16 W	—	10*
4 14	0 42.53	− 0 27.3	1.323	0.440	36.4	20.8	15 W	—	9*
4 16	0 53.85	+ 0 42.2	1.365	0.462	31.9	20.9	14 W	—	8*
4 18	1 4.83	+ 1 51.9	1.406	0.485	28.0	20.9	13 W	—	7*
4 20	1 15.47	+ 3 0.9	1.445	0.509	24.6	21.0	12 W	—	6*
4 22	1 25.76	+ 4 8.6	1.482	0.535	21.7	21.0	11 W	—	5*
4 24	1 35.73	+ 5 14.8	1.517	0.560	19.3	21.1	11 W	—	4*
4 26	1 45.40	+ 6 19.0	1.552	0.587	17.2	21.2	10 W	—	3*
5 1	2 8.33	+ 8 50.3	1.632	0.653	13.2	21.4	9 W	—	2*
5 6	2 29.76	+11 7.8	1.705	0.718	10.6	21.6	8 W	—	1*
5 11	2 49.94	+13 11.5	1.774	0.780	8.9	21.8	7 W	—	1*
5 16	3 9.08	+15 2.4	1.837	0.841	7.9	22.0	7 W	—	—
435441 2008 DJ_5									
4 6	23 59.16	− 1 39.9	1.628	0.733	23.6	21.5	17 W	—	11*
4 11	0 22.38	+ 1 27.3	1.659	0.742	21.0	21.5	15 W	—	9*
4 16	0 45.13	+ 4 29.2	1.691	0.756	18.5	21.5	14 W	—	8*
4 21	1 7.48	+ 7 23.6	1.725	0.775	16.2	21.5	12 W	—	6*
4 26	1 29.46	+10 8.5	1.760	0.798	14.3	21.5	11 W	—	5*
468540 2006 MD_{12}									
4 16	0 1.61	+10 59.0	1.646	0.826	28.7	21.3	23 W	11*	14*
4 21	0 24.50	+13 49.9	1.597	0.766	29.6	21.1	22 W	11*	12*
4 26	0 49.94	+16 41.7	1.551	0.703	30.0	20.9	20 W	10*	10*
5 1	1 18.48	+19 28.7	1.509	0.635	29.7	20.6	18 W	9*	8*
5 6	1 50.74	+22 2.1	1.470	0.565	28.3	20.3	15 W	8*	4*
5 8	2 4.82	+22 56.9	1.456	0.537	27.3	20.1	14 W	7*	3*
5 10	2 19.62	+23 46.3	1.442	0.508	26.0	19.9	13 W	6*	1*
5 12	2 35.16	+24 29.2	1.428	0.480	24.4	19.7	11 W	5*	—
5 14	2 51.45	+25 4.1	1.414	0.452	22.3	19.5	10 W	4*	—
5 16	3 8.47	+25 29.5	1.400	0.426	20.0	19.3	8 W	2*	—
5 18	3 26.18	+25 43.7	1.386	0.400	17.6	19.0	7 W	1*	—
5 20	3 44.47	+25 45.1	1.370	0.378	15.9	18.8	6 W	—	—
5 22	4 3.23	+25 32.2	1.352	0.359	15.9	18.7	6 E	—	—
5 24	4 22.23	+25 3.9	1.332	0.344	18.7	18.7	6 E	—	—
5 26	4 41.23	+24 20.0	1.309	0.334	24.0	18.7	8 E	1*	—
5 28	4 59.96	+23 21.1	1.283	0.331	30.9	18.9	10 E	1*	2*
5 30	5 18.16	+22 8.9	1.254	0.334	38.4	19.1	12 E	2*	4*
6 1	5 35.64	+20 45.8	1.223	0.344	45.9	19.3	14 E	2*	7*
6 3	5 52.33	+19 14.3	1.191	0.359	52.8	19.5	16 E	2*	10*
6 5	6 8.22	+17 37.0	1.158	0.378	58.8	19.7	19 E	2*	12*
6 7	6 23.39	+15 55.7	1.125	0.401	63.9	19.9	21 E	1*	14*
6 9	6 37.93	+14 12.0	1.094	0.426	68.2	20.1	23 E	1*	17*
6 11	6 51.97	+12 26.7	1.064	0.453	71.5	20.3	25 E	—	19*
6 13	7 5.61	+10 40.7	1.035	0.481	74.2	20.5	27 E	—	21*
6 15	7 18.95	+ 8 54.4	1.009	0.509	76.2	20.6	29 E	—	23*
6 20	7 51.45	+ 4 29.9	0.953	0.580	78.9	20.9	34 E	—	28*
6 25	8 23.43	+ 0 10.8	0.911	0.650	79.3	21.0	39 E	—	33*
6 30	8 55.31	− 3 57.7	0.883	0.716	78.2	21.1	44 E	—	37*
7 5	9 27.22	− 7 50.3	0.868	0.779	76.0	21.2	48 E	—	41*
7 10	9 59.00	−11 21.7	0.866	0.838	73.3	21.3	52 E	—	45*
7 15	10 30.35	−14 27.6	0.874	0.893	70.2	21.3	56 E	—	48*
7 20	11 0.93	−17 6.1	0.893	0.944	67.1	21.4	59 E	—	51*
7 25	11 30.39	−19 16.8	0.921	0.991	64.0	21.5	61 E	—	54*
333889 1998 SV_4									
4 16	0 11.80	+25 30.8	0.896	0.429	91.5	19.4	25 W	19*	5*
4 17	0 10.41	+25 57.6	0.917	0.445	87.8	19.3	26 W	20*	5*
4 18	0 9.38	+26 20.5	0.938	0.461	84.4	19.3	27 W	21*	6*
4 19	0 8.68	+26 40.1	0.959	0.477	81.3	19.3	28 W	21*	7*
4 20	0 8.27	+26 56.8	0.979	0.493	78.5	19.4	29 W	22*	8*
4 21	0 8.12	+27 11.3	0.999	0.508	75.9	19.4	29 W	23*	8*
4 22	0 8.18	+27 23.6	1.019	0.524	73.6	19.4	30 W	23*	9*
4 23	0 8.45	+27 34.3	1.037	0.540	71.4	19.4	31 W	24*	10*
4 24	0 8.89	+27 43.6	1.056	0.556	69.4	19.5	31 W	24*	10*
4 25	0 9.48	+27 51.5	1.073	0.571	67.6	19.5	32 W	24*	11*
4 26	0 10.21	+27 58.5	1.090	0.587	66.0	19.6	32 W	25*	11*
4 28	0 12.00	+28 9.7	1.123	0.617	63.1	19.6	33 W	25*	13*
4 30	0 14.16	+28 18.1	1.153	0.646	60.6	19.7	34 W	26*	14*
5 2	0 16.61	+28 24.6	1.180	0.675	58.5	19.8	35 W	26*	15*
5 4	0 19.28	+28 29.4	1.206	0.703	56.6	19.9	36 W	27*	16*
5 6	0 22.12	+28 33.0	1.230	0.731	55.1	20.0	36 W	27*	17*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
333889 1998 SV_4 *(continuation)*									
5 11	0 29.73	+28 38.3	1.279	0.796	52.1	20.2	38 W	28*	19*
5 16	0 37.77	+28 40.0	1.318	0.856	50.1	20.3	41 W	29*	21*
5 21	0 46.01	+28 39.2	1.345	0.912	48.8	20.5	43 W	30*	23*
5 26	0 54.33	+28 36.4	1.363	0.964	47.9	20.6	45 W	31*	25*
5 31	1 2.63	+28 31.8	1.371	1.011	47.5	20.7	47 W	32*	27*
6 5	1 10.89	+28 25.4	1.372	1.055	47.2	20.8	50 W	33*	28*
6 10	1 19.06	+28 16.9	1.364	1.096	47.2	20.9	52 W	35*	30*
6 15	1 27.11	+28 6.1	1.349	1.132	47.3	20.9	55 W	37*	31*
6 20	1 35.04	+27 52.4	1.328	1.166	47.5	20.9	58 W	39*	33*
6 25	1 42.83	+27 35.4	1.300	1.196	47.8	21.0	61 W	41*	34*
6 30	1 50.48	+27 14.5	1.266	1.223	48.2	21.0	64 W	43*	35*
7 5	1 57.97	+26 49.0	1.228	1.248	48.5	20.9	67 W	46*	36*
7 10	2 5.29	+26 18.0	1.184	1.269	48.8	20.9	70 W	48*	37*
7 15	2 12.41	+25 40.4	1.136	1.287	49.1	20.9	73 W	51*	38*
7 20	2 19.32	+24 54.8	1.084	1.303	49.4	20.8	77 W	53*	39*
7 25	2 26.00	+23 59.6	1.028	1.316	49.5	20.7	80 W	56*	40
7 30	2 32.43	+22 52.9	0.969	1.326	49.6	20.6	84 W	58*	41
8 4	2 38.55	+21 32.0	0.908	1.334	49.5	20.5	88 W	60*	42
8 9	2 44.33	+19 53.4	0.846	1.338	49.2	20.3	92 W	61*	44
8 14	2 49.69	+17 52.6	0.782	1.341	48.7	20.1	96 W	61*	46
8 19	2 54.56	+15 23.8	0.717	1.340	48.0	19.9	100 W	60*	49
8 24	2 58.86	+12 19.3	0.653	1.337	47.0	19.7	105 W	57*	52
8 26	3 0.39	+10 53.4	0.628	1.335	46.5	19.6	107 W	56*	53
8 28	3 1.80	+ 9 19.3	0.603	1.333	45.9	19.5	109 W	54	55
8 30	3 3.07	+ 7 36.4	0.579	1.330	45.2	19.4	111 W	53	56
9 1	3 4.20	+ 5 43.6	0.555	1.326	44.6	19.2	113 W	51	58
9 3	3 5.17	+ 3 39.9	0.531	1.323	43.8	19.1	115 W	49	60
9 5	3 5.95	+ 1 24.4	0.509	1.319	43.0	19.0	117 W	46	63
9 7	3 6.53	− 1 4.1	0.487	1.314	42.2	18.9	119 W	44	65
9 9	3 6.89	− 3 46.5	0.466	1.309	41.4	18.7	121 W	41	68
9 11	3 7.01	− 6 43.8	0.447	1.304	40.6	18.6	123 W	38	71
9 13	3 6.84	− 9 56.6	0.429	1.298	39.8	18.5	124 W	35	74
9 18	3 4.99	−19 7.8	0.391	1.281	38.5	18.2	127 W	26	83
9 23	3 0.43	−29 47.3	0.367	1.262	39.0	18.1	128 W	15	86
9 28	2 51.96	−41 16.0	0.357	1.239	41.8	18.1	124 W	4	75
10 3	2 37.45	−52 31.0	0.362	1.214	46.7	18.2	118 W	—	63
10 4	2 33.53	−54 38.5	0.365	1.208	47.8	18.2	117 W	—	61
10 5	2 29.19	−56 42.5	0.368	1.203	48.9	18.3	115 W	—	59
10 6	2 24.39	−58 42.5	0.372	1.197	50.1	18.3	113 W	—	57
10 7	2 19.06	−60 38.2	0.377	1.192	51.2	18.4	112 W	—	55
10 8	2 13.15	−62 29.3	0.381	1.186	52.3	18.4	110 W	—	54
10 9	2 6.59	−64 15.6	0.387	1.180	53.5	18.5	108 W	—	52
10 10	1 59.32	−65 56.9	0.392	1.173	54.6	18.5	107 W	—	50
10 11	1 51.24	−67 32.9	0.398	1.167	55.7	18.6	105 W	—	48
10 12	1 42.28	−69 3.5	0.404	1.161	56.8	18.6	103 W	—	47
10 13	1 32.33	−70 28.4	0.411	1.154	57.8	18.7	102 W	—	46
10 14	1 21.30	−71 47.5	0.418	1.147	58.8	18.7	100 W	—	44
10 15	1 9.09	−73 0.7	0.425	1.141	59.8	18.8	99 E	—	43
10 16	0 55.62	−74 7.7	0.432	1.134	60.8	18.8	97 E	—	42
10 17	0 40.80	−75 8.4	0.439	1.127	61.7	18.9	95 E	—	41
10 18	0 24.62	−76 2.4	0.447	1.119	62.6	18.9	94 E	—	40
10 19	0 7.07	−76 49.8	0.455	1.112	63.5	19.0	92 E	—	39
10 20	23 48.24	−77 30.2	0.463	1.105	64.3	19.0	91 E	—	38
10 21	23 28.29	−78 3.6	0.471	1.097	65.2	19.1	89 E	—	38
10 22	23 7.46	−78 30.0	0.479	1.089	65.9	19.1	88 E	—	37
10 23	22 46.07	−78 49.5	0.487	1.081	66.7	19.2	87 E	—	37
10 24	22 24.49	−79 2.4	0.495	1.073	67.4	19.2	85 E	—	37
10 25	22 3.12	−79 9.1	0.504	1.065	68.2	19.2	84 E	—	37
10 26	21 42.31	−79 10.0	0.512	1.057	68.8	19.3	82 E	—	37
10 27	21 22.37	−79 5.8	0.520	1.048	69.5	19.3	81 E	—	37
10 28	21 3.52	−78 57.1	0.529	1.040	70.2	19.4	80 E	—	37
10 29	20 45.91	−78 44.5	0.537	1.031	70.8	19.4	79 E	—	37*
10 30	20 29.58	−78 28.7	0.545	1.022	71.4	19.4	77 E	—	37*
10 31	20 14.55	−78 10.3	0.554	1.013	72.0	19.5	76 E	—	37*
11 1	20 0.77	−77 49.7	0.562	1.004	72.6	19.5	75 E	—	37*
11 2	19 48.15	−77 27.4	0.570	0.994	73.1	19.5	74 E	—	37*
11 3	19 36.60	−77 3.7	0.578	0.985	73.7	19.6	72 E	—	37*
11 4	19 26.04	−76 39.0	0.586	0.975	74.2	19.6	71 E	—	37*
11 5	19 16.35	−76 13.4	0.594	0.965	74.8	19.6	70 E	—	37*
11 6	19 7.44	−75 47.1	0.602	0.955	75.3	19.6	69 E	—	37*
11 7	18 59.23	−75 20.3	0.609	0.945	75.8	19.6	68 E	—	36*
11 8	18 51.64	−74 53.1	0.617	0.935	76.3	19.7	66 E	—	36*
11 9	18 44.59	−74 25.6	0.624	0.924	76.8	19.7	65 E	—	36*
11 10	18 38.01	−73 57.8	0.632	0.914	77.3	19.7	64 E	—	35*
11 11	18 31.86	−73 29.7	0.639	0.903	77.8	19.7	63 E	—	35*
11 12	18 26.08	−73 1.4	0.646	0.892	78.3	19.7	62 E	—	34*
11 13	18 20.62	−72 32.8	0.653	0.881	78.8	19.8	61 E	—	34*
11 14	18 15.45	−72 4.0	0.660	0.870	79.3	19.8	60 E	—	33*
11 15	18 10.54	−71 34.8	0.666	0.858	79.9	19.8	59 E	—	33*
11 16	18 5.86	−71 5.3	0.673	0.846	80.4	19.8	58 E	—	32*

333889 1998 SV_4 *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
11 17	18 1.37	−70 35.4	0.679	0.834	80.9	19.8	56 E	—	31*
11 18	17 57.07	−70 5.1	0.685	0.822	81.4	19.8	55 E	—	31*
11 19	17 52.92	−69 34.3	0.691	0.810	81.9	19.8	54 E	—	30*
11 20	17 48.92	−69 2.8	0.697	0.798	82.5	19.8	53 E	—	29*
11 21	17 45.04	−68 30.7	0.703	0.785	83.0	19.8	52 E	—	29*
11 22	17 41.29	−67 57.9	0.708	0.772	83.6	19.8	51 E	—	28*
11 24	17 34.10	−66 49.6	0.719	0.746	84.7	19.8	49 E	—	26*
11 26	17 27.28	−65 37.2	0.729	0.719	85.9	19.8	47 E	—	24*
11 28	17 20.82	−64 19.8	0.738	0.692	87.2	19.8	44 E	—	22*
11 30	17 14.69	−62 56.4	0.747	0.663	88.5	19.8	42 E	—	20*
12 2	17 8.91	−61 25.9	0.756	0.634	89.9	19.8	40 E	—	18*
12 4	17 3.51	−59 47.1	0.764	0.604	91.4	19.8	38 E	—	16*
12 6	16 58.55	−57 58.7	0.773	0.574	92.9	19.7	36 E	—	13*
12 8	16 54.08	−55 59.4	0.781	0.543	94.5	19.7	33 W	—	12*
12 10	16 50.21	−53 47.5	0.790	0.511	96.0	19.7	31 W	—	12*
12 12	16 47.07	−51 21.8	0.799	0.479	97.6	19.6	29 W	—	13*
12 14	16 44.79	−48 40.8	0.810	0.448	98.9	19.6	27 W	—	13*
12 16	16 43.57	−45 43.7	0.823	0.416	99.9	19.5	25 W	—	14*
12 18	16 43.63	−42 30.0	0.838	0.386	100.4	19.4	23 W	—	14*
12 20	16 45.22	−39 0.4	0.856	0.358	100.0	19.3	21 W	—	14*
12 22	16 48.62	−35 17.2	0.879	0.332	98.4	19.1	20 W	—	13*
12 23	16 51.09	−33 21.8	0.891	0.321	97.0	19.0	19 W	—	13*
12 24	16 54.11	−31 24.9	0.905	0.312	95.1	18.9	18 W	—	12*
12 25	16 57.69	−29 27.5	0.920	0.304	92.8	18.7	18 W	—	12*
12 26	17 1.85	−27 30.6	0.937	0.298	90.1	18.6	18 W	2*	11*
12 27	17 6.57	−25 35.4	0.954	0.294	87.0	18.5	17 W	3*	10*
12 28	17 11.82	−23 43.2	0.972	0.292	83.5	18.4	17 W	5*	9*
12 29	17 17.57	−21 54.9	0.991	0.293	79.9	18.3	17 W	6*	8*
12 30	17 23.76	−20 11.6	1.011	0.295	76.2	18.2	17 W	7*	7*
12 31	17 30.30	−18 33.8	1.031	0.300	72.4	18.2	17 W	8*	6*
1 1	17 37.14	−17 2.1	1.052	0.307	68.8	18.2	17 W	9*	5*
1 3	17 51.38	−14 17.6	1.093	0.325	62.0	18.2	17 W	10*	3*
1 5	18 5.95	−11 57.2	1.134	0.349	56.1	18.2	17 W	11*	1*
1 7	18 20.46	− 9 58.4	1.174	0.376	51.2	18.3	17 W	11*	—
1 9	18 34.66	− 8 18.0	1.214	0.406	47.0	18.4	18 W	12*	—
1 11	18 48.40	− 6 52.9	1.253	0.437	43.5	18.6	18 W	12*	—
1 13	19 1.61	− 5 40.4	1.291	0.469	40.5	18.7	18 W	12*	—
1 15	19 14.28	− 4 38.1	1.329	0.501	37.9	18.8	18 W	11*	—
1 17	19 26.39	− 3 44.2	1.366	0.533	35.7	19.0	18 W	11*	—
1 19	19 37.96	− 2 57.2	1.402	0.564	33.6	19.1	19 W	11*	—
1 21	19 49.03	− 2 16.0	1.438	0.595	31.8	19.2	19 W	11*	—

401856 2000 KW_{43}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
4 16	0 12.97	+67 3.8	0.383	0.869	99.1	21.4	59 W	41*	—
4 17	0 5.39	+67 46.7	0.377	0.875	98.7	21.4	60 W	42*	—
4 18	23 57.15	+68 28.6	0.371	0.881	98.3	21.3	60 W	44*	—
4 19	23 48.21	+69 9.2	0.364	0.888	97.8	21.3	61 W	45*	—
4 20	23 38.50	+69 48.4	0.358	0.894	97.3	21.2	62 W	46*	—
4 21	23 27.94	+70 25.9	0.352	0.901	96.7	21.2	63 W	47*	—
4 22	23 16.47	+71 1.4	0.346	0.908	96.1	21.1	64 W	48*	—
4 23	23 4.02	+71 34.6	0.340	0.915	95.4	21.1	65 W	49*	—
4 24	22 50.53	+72 5.0	0.334	0.921	94.7	21.0	66 W	50*	—
4 25	22 35.96	+72 32.1	0.328	0.928	94.0	21.0	67 W	52*	—
4 26	22 20.29	+72 55.4	0.322	0.935	93.2	20.9	68 W	53*	—
4 27	22 3.52	+73 14.4	0.316	0.943	92.3	20.8	69 W	54*	—
4 28	21 45.71	+73 28.3	0.310	0.950	91.5	20.8	71 W	55*	—
4 29	21 26.97	+73 36.4	0.305	0.957	90.5	20.7	72 W	56*	—
4 30	21 7.46	+73 38.2	0.299	0.964	89.5	20.7	73 W	57*	—
5 1	20 47.39	+73 32.9	0.294	0.972	88.5	20.6	75 W	59*	—
5 2	20 27.02	+73 20.0	0.288	0.979	87.4	20.5	76 W	60*	—
5 3	20 6.63	+72 59.0	0.283	0.986	86.2	20.5	78 W	61*	—
5 4	19 46.51	+72 29.7	0.278	0.994	85.0	20.4	79 W	62*	—
5 5	19 26.92	+71 51.7	0.273	1.001	83.7	20.3	81 W	63*	—
5 6	19 8.08	+71 5.1	0.268	1.009	82.3	20.2	82 W	64*	—
5 7	18 50.17	+70 9.9	0.263	1.017	80.9	20.2	84 W	65	—
5 8	18 33.29	+69 6.3	0.259	1.024	79.4	20.1	86 W	66	—
5 9	18 17.50	+67 54.3	0.254	1.032	77.9	20.0	88 W	67	—
5 10	18 2.82	+66 34.4	0.250	1.039	76.3	19.9	90 W	68	—
5 11	17 49.24	+65 6.7	0.246	1.047	74.6	19.9	92 W	70	—
5 12	17 36.71	+63 31.7	0.243	1.055	72.8	19.8	94 W	71	—
5 13	17 25.17	+61 49.5	0.239	1.063	71.0	19.7	96 W	73	2
5 14	17 14.56	+60 0.7	0.236	1.070	69.2	19.6	98 W	75	4
5 15	17 4.81	+58 5.6	0.233	1.078	67.2	19.6	100 W	77	6
5 16	16 55.84	+56 4.5	0.231	1.086	65.2	19.5	103 W	79	8
5 17	16 47.60	+53 58.0	0.229	1.094	63.2	19.4	105 W	81	10
5 18	16 40.01	+51 46.7	0.227	1.101	61.2	19.4	107 W	83	12
5 19	16 33.02	+49 30.9	0.226	1.109	59.1	19.3	110 W	85	14
5 20	16 26.58	+47 11.4	0.225	1.117	57.0	19.3	112 W	88	17
5 21	16 20.64	+44 48.8	0.225	1.125	54.8	19.2	115 W	90	19
5 22	16 15.14	+42 23.8	0.225	1.132	52.7	19.2	117 W	87	22

401856 2000 KW_{43} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 23	16 10.07	+39 57.1	0.225	1.140	50.6	19.1	119 W	85	24
5 24	16 5.37	+37 29.4	0.226	1.148	48.6	19.1	122 W	82	27
5 25	16 1.01	+35 1.5	0.227	1.156	46.6	19.1	124 E	80	29
5 26	15 56.98	+32 34.0	0.229	1.163	44.6	19.0	126 E	78	31
5 27	15 53.23	+30 7.6	0.232	1.171	42.7	19.0	128 E	75	34
5 28	15 49.76	+27 43.1	0.235	1.179	40.9	19.0	130 E	73	36
5 29	15 46.53	+25 20.8	0.238	1.187	39.2	19.0	132 E	70	39
5 30	15 43.53	+23 1.4	0.242	1.194	37.6	19.0	134 E	68	41
5 31	15 40.75	+20 45.3	0.246	1.202	36.1	19.0	136 E	66	43
6 1	15 38.16	+18 32.9	0.251	1.210	34.8	19.0	137 E	64	45
6 2	15 35.76	+16 24.4	0.256	1.217	33.6	19.1	138 E	61	48
6 3	15 33.54	+14 20.1	0.261	1.225	32.5	19.1	140 E	59	50
6 4	15 31.48	+12 20.2	0.267	1.233	31.5	19.1	141 E	57	52
6 5	15 29.57	+10 24.7	0.274	1.240	30.7	19.2	141 E	55	54
6 10	15 22.05	+ 1 54.0	0.311	1.278	28.3	19.4	143 E	47	62
6 15	15 17.33	− 4 53.6	0.355	1.315	28.1	19.8	142 E	40	69
6 20	15 14.82	−10 16.2	0.406	1.352	29.0	20.2	140 E	35	74
6 25	15 14.08	−14 32.9	0.461	1.388	30.2	20.5	137 E	30	79
6 30	15 14.78	−17 59.2	0.520	1.423	31.5	20.9	133 E	27	82
7 5	15 16.69	−20 47.5	0.583	1.457	32.7	21.2	129 E	24*	85

99907 1989 VA

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
4 16	0 14.20	+10 31.9	0.964	0.347	86.3	18.6	20 W	8*	12*
4 18	0 17.47	+11 58.7	1.022	0.372	76.7	18.5	21 W	10*	12*
4 20	0 22.15	+13 15.7	1.077	0.400	68.8	18.5	22 W	10*	12*
4 22	0 27.78	+14 24.1	1.130	0.429	62.3	18.5	22 W	11*	12*
4 24	0 34.03	+15 25.2	1.180	0.458	56.9	18.6	22 W	11*	12*
4 26	0 40.68	+16 19.9	1.226	0.488	52.4	18.7	23 W	12*	12*
4 28	0 47.56	+17 9.3	1.270	0.518	48.7	18.8	23 W	12*	12*
4 30	0 54.58	+17 54.0	1.312	0.547	45.5	18.9	23 W	12*	12*
5 2	1 1.66	+18 34.7	1.351	0.576	42.9	19.0	23 W	12*	12*
5 4	1 8.75	+19 11.8	1.387	0.604	40.6	19.1	23 W	12*	12*
5 6	1 15.83	+19 45.7	1.421	0.631	38.7	19.2	23 W	12*	12*
5 11	1 33.30	+20 58.9	1.498	0.696	35.0	19.4	23 W	12*	13*
5 16	1 50.37	+21 58.3	1.564	0.756	32.5	19.6	24 W	12*	13*
5 21	2 6.98	+22 46.7	1.619	0.811	30.8	19.8	24 W	12*	13*
5 26	2 23.16	+23 25.9	1.666	0.862	29.8	20.0	25 W	12*	14*
5 31	2 38.96	+23 57.1	1.704	0.908	29.2	20.1	26 W	13*	15*
6 5	2 54.41	+24 21.4	1.735	0.949	28.9	20.3	27 W	13*	16*
6 10	3 9.58	+24 39.2	1.759	0.987	29.0	20.4	28 W	14*	17*
6 15	3 24.50	+24 51.2	1.776	1.020	29.2	20.5	29 W	15*	18*
6 25	3 53.76	+24 58.3	1.792	1.076	30.1	20.6	32 W	17*	20*
7 5	4 22.54	+24 43.9	1.785	1.117	31.5	20.7	35 W	19*	22*
7 15	4 51.14	+24 7.9	1.757	1.145	33.3	20.8	38 W	22*	24*
7 25	5 19.83	+23 9.0	1.710	1.159	35.3	20.8	41 W	25*	26*
8 4	5 48.97	+21 44.9	1.649	1.160	37.5	20.8	44 W	28*	28*
8 14	6 18.93	+19 52.2	1.573	1.148	40.0	20.8	47 W	31*	29*
8 24	6 50.18	+17 26.4	1.488	1.123	42.8	20.7	49 W	33*	31*
9 3	7 23.38	+14 21.7	1.397	1.084	45.9	20.5	50 W	34*	33*
9 13	7 59.38	+10 31.2	1.304	1.031	49.4	20.4	51 W	34*	34*
9 18	8 18.78	+ 8 16.8	1.259	0.999	51.3	20.3	51 W	34*	34*
9 23	8 39.36	+ 5 48.9	1.217	0.963	53.3	20.2	50 W	33*	35*
9 28	9 1.33	+ 3 7.4	1.177	0.923	55.4	20.1	49 W	31*	35*
10 3	9 24.92	+ 0 13.1	1.143	0.879	57.6	20.0	48 W	29*	34*
10 8	9 50.38	− 2 52.0	1.114	0.830	59.7	19.9	46 W	27*	34*
10 13	10 17.99	− 6 4.3	1.093	0.776	61.8	19.7	43 W	24*	32*
10 18	10 48.00	− 9 17.9	1.082	0.718	63.5	19.6	40 W	20*	30*
10 23	11 20.68	−12 25.1	1.081	0.655	64.6	19.4	36 W	17*	28*
10 28	11 56.23	−15 15.7	1.093	0.587	64.5	19.2	32 W	13*	24*
11 2	12 34.83	−17 38.5	1.118	0.514	62.6	18.9	27 W	10*	20*
11 7	13 16.69	−19 21.4	1.156	0.440	57.4	18.5	22 W	6*	15*
11 12	14 2.11	−20 12.4	1.203	0.369	47.1	17.9	16 W	3*	9*
11 17	14 51.33	−20 2.4	1.251	0.314	29.1	17.1	9 W	—	2*
11 22	15 43.24	−18 52.9	1.281	0.296	6.4	16.3	2 W	—	—
11 24	16 4.01	−18 13.1	1.285	0.302	8.8	16.4	3 E	—	—
11 26	16 24.39	−17 29.4	1.284	0.315	17.2	16.8	5 E	—	—
11 28	16 44.20	−16 43.7	1.280	0.335	25.0	17.2	8 E	2*	—
11 30	17 3.37	−15 57.3	1.274	0.358	31.6	17.5	11 E	4*	—
12 2	17 21.86	−15 10.8	1.267	0.385	36.9	17.8	14 E	7*	1*
12 7	18 5.36	−13 16.8	1.251	0.458	45.5	18.4	19 E	12*	5*
12 12	18 45.39	−11 27.2	1.243	0.532	49.5	18.8	24 E	16*	8*
12 17	19 22.40	− 9 42.6	1.246	0.603	50.9	19.2	28 E	20*	10*
12 22	19 56.63	− 8 3.4	1.259	0.670	50.8	19.4	32 E	23*	12*
12 27	20 28.28	− 6 29.8	1.282	0.732	49.8	19.6	35 E	26*	13*
1 1	20 57.52	− 5 2.2	1.313	0.789	48.2	19.8	37 E	28*	15*
1 6	21 24.54	− 3 40.4	1.351	0.842	46.5	19.9	38 E	29*	15*
1 11	21 49.54	− 2 24.4	1.393	0.889	44.6	20.1	39 E	30*	16*
1 16	22 12.74	− 1 13.6	1.438	0.933	42.7	20.2	40 E	31*	16*
1 21	22 34.34	− 0 7.7	1.486	0.972	40.9	20.3	40 E	31*	16*