20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
462041 2007 DL_8									
12 27	1 40.69	−17 11.1	1.382	1.830	32.0	20.8	100 E	28	81*
1 6	1 53.75	−13 52.9	1.583	1.935	30.4	21.1	95 E	31	76*
1 16	2 6.70	−10 56.2	1.789	2.037	28.9	21.5	90 E	34	70*
1 26	2 19.70	− 8 17.5	1.998	2.135	27.3	21.8	84 E	37	64*
2 5	2 32.80	− 5 54.2	2.208	2.231	25.7	22.0	78 E	39*	58*
383449 2006 WK_{127}									
12 27	1 40.89	−22 51.2	1.269	1.701	35.0	19.3	97 E	22	87*
1 1	1 44.90	−20 19.3	1.293	1.689	35.5	19.4	95 E	25	83*
1 6	1 49.62	−17 45.3	1.317	1.677	35.8	19.4	92 E	27	78*
1 11	1 55.02	−15 10.1	1.343	1.667	36.2	19.4	90 E	30	74*
1 16	2 1.05	−12 34.5	1.371	1.656	36.4	19.5	88 E	32	70*
1 21	2 7.66	− 9 59.2	1.400	1.647	36.6	19.5	86 E	35	66*
1 26	2 14.81	− 7 25.1	1.430	1.638	36.7	19.5	83 E	38	62*
1 31	2 22.46	− 4 52.7	1.461	1.630	36.7	19.6	81 E	40	59*
2 5	2 30.59	− 2 22.5	1.493	1.623	36.6	19.6	79 E	43*	56*
2 15	2 48.21	+ 2 29.2	1.561	1.610	36.2	19.7	75 E	46*	50*
2 25	3 7.53	+ 7 6.5	1.633	1.602	35.6	19.7	70 E	48*	44*
3 7	3 28.42	+11 26.2	1.707	1.596	34.8	19.8	66 E	49*	40*
3 17	3 50.86	+15 26.0	1.784	1.595	33.7	19.9	63 E	48*	36*
3 27	4 14.78	+19 3.6	1.862	1.596	32.4	19.9	59 E	46*	32*
4 6	4 40.10	+22 17.0	1.941	1.602	31.0	20.0	55 E	44*	29*
4 16	5 6.76	+25 4.6	2.020	1.611	29.4	20.0	52 E	41*	26*
4 26	5 34.61	+27 25.2	2.099	1.623	27.8	20.1	49 E	38*	24*
5 6	6 3.46	+29 17.7	2.176	1.638	26.1	20.1	46 E	35*	22*
5 16	6 33.11	+30 41.8	2.252	1.657	24.4	20.2	43 E	32*	21*
5 26	7 3.26	+31 37.4	2.327	1.678	22.7	20.2	40 E	28*	19*
6 5	7 33.59	+32 5.3	2.399	1.702	21.0	20.3	37 E	26*	18*
6 15	8 3.83	+32 6.9	2.470	1.728	19.3	20.3	34 E	23*	16*
6 25	8 33.67	+31 44.2	2.537	1.756	17.7	20.4	32 E	21*	15*
7 5	9 2.88	+30 59.5	2.602	1.786	16.2	20.4	29 E	19*	13*
7 15	9 31.31	+29 55.6	2.664	1.818	14.7	20.4	27 E	17*	12*
7 25	9 58.84	+28 35.7	2.723	1.851	13.3	20.5	25 E	16*	10*
8 4	10 25.41	+27 2.5	2.778	1.885	12.0	20.5	23 E	15*	7*
8 14	10 51.04	+25 19.2	2.830	1.919	10.9	20.6	21 E	14*	5*
8 24	11 15.73	+23 28.6	2.877	1.955	10.0	20.6	20 E	13*	2*
9 3	11 39.57	+21 33.4	2.920	1.991	9.3	20.6	19 E	13*	—
9 13	12 2.60	+19 35.9	2.958	2.027	9.0	20.7	18 E	12*	—
9 23	12 24.90	+17 38.5	2.990	2.064	9.0	20.8	19 E	11*	—
10 3	12 46.54	+15 43.3	3.015	2.101	9.3	20.8	20 E	10*	—
10 13	13 7.56	+13 51.9	3.034	2.138	9.9	20.9	22 W	10*	—
10 23	13 28.01	+12 6.2	3.045	2.174	10.7	21.0	24 W	14*	—
11 2	13 47.91	+10 27.6	3.048	2.210	11.8	21.1	27 W	19*	—
11 12	14 7.28	+ 8 57.4	3.042	2.246	12.9	21.1	31 W	24*	—
11 22	14 26.09	+ 7 36.7	3.027	2.282	14.2	21.2	34 W	28*	—
12 2	14 44.33	+ 6 26.4	3.002	2.317	15.5	21.3	39 W	33*	5*
12 12	15 1.94	+ 5 27.4	2.967	2.351	16.7	21.3	43 W	37*	10*
12 22	15 18.83	+ 4 40.4	2.923	2.385	17.9	21.4	48 W	40*	16*
1 1	15 34.93	+ 4 5.6	2.869	2.418	19.1	21.4	54 W	43*	23*
1 11	15 50.10	+ 3 43.4	2.805	2.451	20.2	21.4	59 W	45*	30*
1 21	16 4.19	+ 3 33.7	2.733	2.483	21.1	21.4	65 W	46*	37*
143624 2003 HM_{16}									
12 27	1 41.30	− 9 39.1	2.503	2.896	19.3	21.2	104 E	35	74*
1 6	1 43.34	− 9 7.5	2.674	2.923	19.6	21.4	95 E	36	71*
1 16	1 47.31	− 8 25.4	2.845	2.947	19.5	21.5	86 E	37	65*
1 26	1 52.93	− 7 35.9	3.013	2.970	18.9	21.6	78 E	37	58*
2 5	1 59.93	− 6 41.9	3.175	2.991	18.1	21.7	70 E	37*	53*
30717 1937 UD									
12 27	1 41.54	+17 40.5	1.103	1.755	30.7	17.7	114 E	63	46*
1 6	1 54.81	+19 11.7	1.232	1.795	31.5	18.0	108 E	64	44*
1 16	2 9.84	+20 40.7	1.367	1.836	31.7	18.2	101 E	66	42*
1 26	2 26.32	+22 6.7	1.508	1.877	31.5	18.5	95 E	67	39*
2 5	2 43.95	+23 28.5	1.652	1.918	30.9	18.7	90 E	68	36*
2 15	3 2.55	+24 45.0	1.799	1.960	30.1	18.9	84 E	69*	33*
2 25	3 21.94	+25 55.3	1.947	2.001	29.0	19.1	79 E	67*	31*
3 7	3 41.95	+26 58.2	2.095	2.042	27.7	19.3	73 E	63*	29*
3 17	4 2.49	+27 52.9	2.241	2.083	26.3	19.4	68 E	59*	27*
3 27	4 23.42	+28 38.8	2.386	2.123	24.7	19.6	63 E	54*	26*
4 6	4 44.63	+29 15.2	2.526	2.163	23.0	19.7	58 E	49*	24*
4 16	5 6.02	+29 41.7	2.662	2.202	21.2	19.8	53 E	43*	23*
4 26	5 27.48	+29 58.2	2.792	2.240	19.4	19.9	48 E	38*	21*
5 6	5 48.91	+30 4.6	2.915	2.277	17.5	19.9	43 E	33*	20*
5 16	6 10.22	+30 1.0	3.030	2.313	15.5	20.0	38 E	27*	18*
5 26	6 31.31	+29 47.7	3.136	2.349	13.5	20.0	33 E	22*	16*
6 5	6 52.12	+29 25.2	3.233	2.383	11.5	20.0	28 E	17*	13*
6 15	7 12.58	+28 53.9	3.319	2.417	9.4	20.0	23 E	13*	10*
6 25	7 32.63	+28 14.6	3.394	2.449	7.4	20.0	18 E	9*	7*
7 5	7 52.23	+27 27.8	3.458	2.480	5.5	20.0	14 E	6*	3*
7 15	8 11.34	+26 34.6	3.509	2.511	3.8	20.0	9 E	3*	—

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
30717 1937 UD *(continuation)*									
	h m	° ′			°	m	°	°	°
7 25	8 29.93	+25 35.6	3.546	2.540	2.6	20.0	7 E	—	—
8 4	8 47.99	+24 31.8	3.571	2.568	2.9	20.0	7 W	1*	—
8 14	9 5.50	+23 24.0	3.581	2.595	4.4	20.1	11 W	5*	—
8 24	9 22.45	+22 13.3	3.578	2.621	6.1	20.2	16 W	10*	—
9 3	9 38.82	+21 0.6	3.560	2.646	8.0	20.3	21 W	15*	3*
9 13	9 54.60	+19 46.9	3.527	2.669	9.8	20.4	27 W	21*	6*
9 23	10 9.75	+18 33.3	3.481	2.692	11.6	20.5	33 W	26*	9*
10 3	10 24.27	+17 20.8	3.420	2.713	13.3	20.5	39 W	32*	13*
10 13	10 38.09	+16 10.5	3.346	2.733	15.0	20.5	45 W	38*	16*
10 23	10 51.15	+15 3.9	3.259	2.752	16.4	20.5	51 W	43*	20*
11 2	11 3.39	+14 2.0	3.160	2.770	17.7	20.5	58 W	49*	25*
11 12	11 14.68	+13 6.3	3.051	2.786	18.8	20.5	65 W	53*	29*
11 22	11 24.89	+12 18.3	2.932	2.801	19.7	20.5	73 W	56*	34*
12 2	11 33.86	+11 39.6	2.806	2.816	20.2	20.4	80 W	57*	40*
12 12	11 41.37	+11 11.7	2.676	2.829	20.4	20.3	89 W	56	45*
12 22	11 47.20	+10 56.2	2.543	2.841	20.1	20.2	97 W	56	50*
1 1	11 51.06	+10 54.5	2.413	2.851	19.3	20.1	106 W	56	53*
1 11	11 52.68	+11 7.8	2.287	2.861	18.0	19.9	116 W	56	53
1 21	11 51.81	+11 36.0	2.172	2.869	16.0	19.7	127 W	57	52
138843 2000 VF_{39}									
12 27	1 42.33	+29 11.8	1.148	1.825	28.5	21.1	118 E	74	35
1 1	1 41.80	+29 53.1	1.207	1.829	29.7	21.2	113 E	75	34*
1 6	1 42.52	+30 34.3	1.268	1.833	30.6	21.3	108 E	76	33*
1 11	1 44.37	+31 16.1	1.329	1.836	31.3	21.5	104 E	76	31*
1 16	1 47.25	+31 58.6	1.390	1.839	31.8	21.6	100 E	77	29*
46598 1993 FT_2									
12 27	1 42.68	+50 21.3	0.961	1.686	30.3	16.3	120 E	85	14
1 1	1 47.12	+50 0.9	0.986	1.680	31.4	16.3	117 E	85	14*
1 6	1 53.17	+49 42.0	1.012	1.676	32.4	16.4	114 E	85	14*
1 11	2 0.71	+49 24.7	1.040	1.672	33.2	16.5	111 E	86	14*
1 16	2 9.61	+49 9.0	1.069	1.668	34.0	16.6	109 E	86	14*
1 21	2 19.76	+48 54.7	1.098	1.666	34.6	16.6	106 E	86	14*
1 26	2 31.03	+48 41.2	1.129	1.664	35.1	16.7	104 E	86	14*
1 31	2 43.29	+48 28.1	1.161	1.663	35.5	16.8	101 E	87	14*
2 5	2 56.44	+48 14.5	1.194	1.662	35.9	16.9	99 E	87	14*
2 10	3 10.39	+47 59.8	1.227	1.663	36.1	16.9	97 E	87	14*
2 15	3 25.02	+47 43.4	1.262	1.664	36.3	17.0	95 E	87*	14*
2 20	3 40.23	+47 24.7	1.297	1.666	36.4	17.1	93 E	85*	14*
2 25	3 55.91	+47 3.0	1.333	1.669	36.4	17.1	91 E	84*	15*
3 2	4 11.94	+46 37.8	1.370	1.672	36.3	17.2	89 E	82*	15*
3 7	4 28.22	+46 8.6	1.409	1.677	36.2	17.2	87 E	81*	16*
3 12	4 44.67	+45 35.2	1.448	1.682	36.1	17.3	85 E	79*	16*
3 17	5 1.19	+44 57.4	1.488	1.687	35.8	17.4	83 E	77*	17*
3 22	5 17.68	+44 15.1	1.530	1.694	35.6	17.4	81 E	75*	18*
3 27	5 34.08	+43 28.1	1.572	1.701	35.2	17.5	79 E	73*	19*
4 1	5 50.29	+42 36.7	1.616	1.708	34.8	17.5	78 E	71*	20*
4 6	6 6.27	+41 40.8	1.660	1.717	34.4	17.6	76 E	69*	21*
4 11	6 21.98	+40 40.8	1.706	1.726	34.0	17.7	74 E	67*	22*
4 16	6 37.38	+39 36.8	1.753	1.735	33.4	17.7	72 E	65*	23*
4 21	6 52.44	+38 29.3	1.800	1.745	32.9	17.8	71 E	62*	24*
4 26	7 7.13	+37 18.4	1.849	1.756	32.3	17.8	69 E	60*	25*
5 1	7 21.45	+36 4.6	1.898	1.767	31.7	17.9	67 E	57*	26*
5 6	7 35.40	+34 48.0	1.948	1.779	31.0	17.9	65 E	54*	27*
5 11	7 48.97	+33 29.2	1.999	1.791	30.3	18.0	63 E	51*	28*
5 16	8 2.18	+32 8.3	2.050	1.804	29.5	18.0	62 E	48*	29*
5 21	8 15.04	+30 45.6	2.102	1.817	28.8	18.1	60 E	45*	30*
5 26	8 27.55	+29 21.5	2.154	1.830	28.0	18.1	58 E	42*	31*
5 31	8 39.73	+27 56.1	2.206	1.844	27.1	18.2	56 E	39*	31*
6 5	8 51.59	+26 29.7	2.259	1.858	26.3	18.2	54 E	36*	32*
6 15	9 14.46	+23 34.8	2.364	1.887	24.5	18.3	50 E	30*	33*
6 25	9 36.28	+20 38.2	2.469	1.918	22.6	18.4	47 E	24*	32*
7 5	9 57.18	+17 41.0	2.572	1.949	20.7	18.4	43 E	19*	31*
7 15	10 17.31	+14 44.1	2.671	1.981	18.7	18.5	39 E	15*	29*
7 25	10 36.76	+11 48.3	2.767	2.014	16.6	18.5	34 E	11*	27*
8 4	10 55.64	+ 8 54.2	2.858	2.047	14.5	18.6	30 E	8*	23*
8 14	11 14.06	+ 6 2.3	2.943	2.080	12.3	18.6	26 E	5*	20*
8 24	11 32.09	+ 3 12.9	3.021	2.114	10.1	18.6	22 E	2*	15*
9 3	11 49.80	+ 0 26.4	3.091	2.147	7.9	18.6	17 E	—	11*
9 13	12 7.27	− 2 16.9	3.153	2.181	5.7	18.5	13 E	—	6*
9 23	12 24.54	− 4 56.6	3.204	2.215	3.6	18.5	8 E	—	2*
10 3	12 41.65	− 7 32.6	3.245	2.248	1.8	18.4	4 E	—	—
10 13	12 58.65	−10 4.6	3.275	2.281	1.8	18.5	4 W	—	—
10 23	13 15.53	−12 32.4	3.293	2.314	3.6	18.7	8 W	—	2*
11 2	13 32.33	−14 55.6	3.299	2.346	5.7	18.8	14 W	3*	6*
11 12	13 49.02	−17 14.3	3.293	2.378	7.7	18.9	19 W	7*	11*
11 22	14 5.59	−19 28.3	3.273	2.409	9.8	19.0	24 W	10*	16*
12 2	14 22.01	−21 37.4	3.241	2.440	11.7	19.1	30 W	13*	21*
12 12	14 38.20	−23 41.9	3.197	2.470	13.6	19.2	36 W	14*	27*
12 22	14 54.10	−25 41.7	3.140	2.500	15.3	19.2	42 W	15*	34*

46598 1993 *FT*$_2$ *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
1 1	15 9.59	−27 37.4	3.072	2.528	16.9	19.3	48 W	15*	41*
1 11	15 24.54	−29 29.2	2.993	2.556	18.3	19.3	55 W	14*	48*
1 21	15 38.77	−31 17.7	2.904	2.584	19.6	19.3	62 W	13*	55*

130386 2000 *JY*$_{33}$

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	1 43.37	+16 30.4	1.104	1.755	30.7	18.5	114 E	62	47
1 6	1 58.40	+16 54.8	1.223	1.788	31.6	18.7	108 E	62	47*
1 16	2 14.83	+17 30.4	1.349	1.822	31.9	19.0	102 E	63	45*
1 26	2 32.41	+18 13.6	1.481	1.857	31.9	19.2	96 E	63	43*
2 5	2 50.87	+19 0.6	1.617	1.892	31.4	19.5	90 E	64	41*
2 15	3 10.05	+19 48.6	1.756	1.927	30.7	19.7	84 E	64*	38*
2 25	3 29.81	+20 35.1	1.897	1.963	29.6	19.8	79 E	63*	37*
3 7	3 50.01	+21 17.8	2.038	2.000	28.4	20.0	74 E	60*	35*
3 17	4 10.56	+21 55.2	2.179	2.036	27.0	20.1	68 E	56*	33*
3 27	4 31.36	+22 25.8	2.318	2.072	25.5	20.3	63 E	51*	32*
4 6	4 52.30	+22 48.6	2.453	2.107	23.8	20.4	58 E	46*	30*
4 16	5 13.32	+23 2.8	2.585	2.143	22.1	20.5	53 E	41*	29*
4 26	5 34.31	+23 8.0	2.712	2.178	20.2	20.6	48 E	35*	27*
5 6	5 55.20	+23 3.7	2.832	2.212	18.3	20.6	43 E	29*	26*
5 16	6 15.91	+22 50.1	2.946	2.246	16.3	20.7	39 E	24*	24*
5 26	6 36.39	+22 27.1	3.051	2.279	14.3	20.7	34 E	18*	22*
6 5	6 56.56	+21 55.1	3.148	2.312	12.2	20.7	29 E	13*	19*
6 15	7 16.39	+21 14.4	3.235	2.343	10.1	20.8	24 E	8*	16*
6 25	7 35.81	+20 25.5	3.312	2.374	8.0	20.7	19 E	4*	12*
7 5	7 54.81	+19 29.1	3.378	2.404	5.9	20.7	14 E	—	8*
7 15	8 13.36	+18 25.7	3.432	2.434	3.8	20.7	9 E	—	3*
7 25	8 31.43	+17 16.0	3.474	2.462	1.7	20.6	4 E	—	—
8 4	8 49.01	+16 0.8	3.503	2.489	0.9	20.5	2 W	—	—
8 14	9 6.09	+14 40.7	3.519	2.516	2.7	20.7	7 W	—	—
8 24	9 22.65	+13 16.7	3.521	2.541	4.8	20.9	12 W	4*	4*
9 3	9 38.69	+11 49.3	3.510	2.566	6.8	21.0	18 W	9*	7*
9 13	9 54.19	+10 19.4	3.484	2.589	8.8	21.1	23 W	14*	11*
9 23	10 9.12	+ 8 47.9	3.445	2.612	10.7	21.1	29 W	20*	15*
10 3	10 23.47	+ 7 15.5	3.392	2.633	12.5	21.2	35 W	25*	18*
10 13	10 37.17	+ 5 43.1	3.326	2.654	14.3	21.2	41 W	30*	22*
10 23	10 50.17	+ 4 11.6	3.246	2.673	15.9	21.3	47 W	35*	27*
11 2	11 2.41	+ 2 41.9	3.155	2.691	17.3	21.3	54 W	39*	31*
11 12	11 13.77	+ 1 15.1	3.052	2.709	18.6	21.2	61 W	42*	37*
11 22	11 24.12	− 0 7.7	2.939	2.725	19.6	21.2	68 W	44*	43*
12 2	11 33.33	− 1 25.3	2.819	2.740	20.4	21.2	75 W	44*	49*
12 12	11 41.17	− 2 36.4	2.692	2.754	20.8	21.1	83 W	42	56*
12 22	11 47.44	− 3 39.4	2.561	2.767	20.8	21.0	91 W	41	63*
1 1	11 51.87	− 4 32.6	2.430	2.779	20.4	20.9	100 W	40	68*
1 11	11 54.20	− 5 14.0	2.302	2.790	19.4	20.7	110 W	40	69
1 21	11 54.18	− 5 41.4	2.181	2.800	17.8	20.6	120 W	39	70

466277 2013 *PH*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	1 43.59	+19 53.5	1.598	2.207	23.7	21.4	115 E	65	44
1 6	1 52.14	+19 30.2	1.741	2.238	24.8	21.6	107 E	65	44*
1 16	2 2.59	+19 23.9	1.890	2.269	25.3	21.8	99 E	64	42*
1 26	2 14.62	+19 31.5	2.044	2.299	25.3	22.0	92 E	65	40*
2 5	2 27.91	+19 49.2	2.199	2.329	24.9	22.2	85 E	65*	37*

19877 9086 *P–L*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	1 43.90	+ 7 6.0	1.032	1.664	33.4	19.3	111 E	52	57
1 6	2 0.53	+ 8 21.1	1.142	1.692	34.1	19.5	105 E	53	55*
1 16	2 18.35	+ 9 43.5	1.257	1.723	34.2	19.8	100 E	55	53*
1 26	2 37.16	+11 9.1	1.379	1.755	34.0	20.0	94 E	56	50*
2 5	2 56.73	+12 34.3	1.504	1.789	33.4	20.2	89 E	58	47*
2 15	3 16.92	+13 56.3	1.634	1.824	32.6	20.4	84 E	59*	44*
2 25	3 37.64	+15 12.8	1.766	1.860	31.6	20.6	79 E	58*	42*
3 7	3 58.74	+16 21.7	1.900	1.896	30.3	20.8	75 E	56*	40*
3 17	4 20.14	+17 21.8	2.034	1.933	28.9	20.9	70 E	53*	38*
3 27	4 41.75	+18 11.8	2.168	1.971	27.4	21.1	65 E	50*	37*
4 6	5 3.46	+18 50.9	2.301	2.008	25.7	21.2	61 E	45*	35*
4 16	5 25.20	+19 18.8	2.432	2.046	24.0	21.3	56 E	40*	34*
4 26	5 46.89	+19 35.1	2.559	2.083	22.1	21.4	51 E	35*	32*
5 6	6 8.42	+19 39.9	2.681	2.120	20.3	21.5	47 E	29*	30*

488621 2002 *TR*$_{259}$

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	1 45.28	− 3 28.4	1.052	1.639	35.0	20.3	107 E	42	67
1 1	1 51.96	− 3 3.0	1.082	1.628	35.9	20.4	104 E	42	67*
1 6	1 59.35	− 2 31.4	1.113	1.619	36.6	20.5	101 E	42	66*
1 11	2 7.39	− 1 54.4	1.144	1.610	37.2	20.5	98 E	43	64*
1 16	2 16.06	− 1 12.6	1.176	1.603	37.7	20.6	95 E	44	63*
1 21	2 25.30	− 0 27.0	1.209	1.596	38.0	20.7	93 E	45	61*
1 26	2 35.07	+ 0 21.9	1.241	1.591	38.2	20.7	91 E	45	59*
1 31	2 45.33	+ 1 13.2	1.274	1.587	38.3	20.8	88 E	46	58*
2 5	2 56.04	+ 2 6.3	1.308	1.585	38.4	20.8	86 E	47	56*
2 10	3 7.17	+ 3 0.6	1.342	1.583	38.3	20.9	84 E	48*	55*
2 15	3 18.69	+ 3 55.5	1.376	1.583	38.2	20.9	82 E	49*	53*
2 20	3 30.57	+ 4 50.3	1.411	1.584	38.0	21.0	81 E	49*	52*

488621 2002 *TR*$_{259}$ *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
2 25	3 42.78	+ 5 44.5	1.447	1.586	37.7	21.0	79 E	49*	51*
3 2	3 55.28	+ 6 37.3	1.483	1.590	37.4	21.1	77 E	49*	50*
3 7	4 8.05	+ 7 28.4	1.521	1.594	37.1	21.1	76 E	49*	49*
3 12	4 21.06	+ 8 17.4	1.559	1.600	36.6	21.2	74 E	49*	48*
3 17	4 34.30	+ 9 3.6	1.598	1.607	36.2	21.2	72 E	48*	47*
3 22	4 47.71	+ 9 46.7	1.638	1.615	35.7	21.3	71 E	47*	46*
3 27	5 1.28	+10 26.3	1.679	1.625	35.1	21.3	69 E	46*	46*
4 1	5 14.97	+11 2.1	1.721	1.635	34.5	21.4	68 E	45*	45*
4 6	5 28.74	+11 33.9	1.764	1.646	33.9	21.4	67 E	44*	45*
4 11	5 42.58	+12 1.4	1.808	1.659	33.2	21.5	65 E	42*	44*

177651 2004 *XM*$_{14}$

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	1 46.99	−28 30.5	0.781	1.314	48.1	19.4	96 E	16	87
1 1	1 54.70	−22 53.2	0.849	1.361	45.9	19.6	96 E	22	86*
1 6	2 1.82	−17 58.4	0.923	1.406	44.2	19.8	95 E	27	80*
1 11	2 8.60	−13 40.4	1.002	1.449	42.6	20.0	94 E	31	75*
1 16	2 15.21	− 9 53.4	1.084	1.489	41.3	20.2	92 E	35	70*
1 21	2 21.75	− 6 32.6	1.169	1.528	40.1	20.3	90 E	38	66*
1 26	2 28.28	− 3 33.8	1.256	1.564	39.0	20.5	88 E	41	62*
1 31	2 34.83	− 0 53.6	1.345	1.599	37.9	20.7	85 E	44	58*
2 5	2 41.45	+ 1 30.9	1.434	1.632	36.8	20.8	83 E	47*	54*
2 10	2 48.15	+ 3 42.1	1.524	1.663	35.7	21.0	80 E	48*	51*
2 15	2 54.96	+ 5 41.9	1.614	1.692	34.7	21.1	77 E	50*	48*
2 20	3 1.87	+ 7 31.8	1.703	1.720	33.6	21.2	74 E	50*	45*
2 25	3 8.88	+ 9 13.2	1.790	1.745	32.5	21.3	71 E	50*	43*
3 2	3 16.01	+10 47.1	1.877	1.770	31.4	21.4	68 E	50*	40*

249103 2007 *VO*$_{244}$

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	1 48.29	+11 38.2	1.533	2.130	25.0	21.0	114 E	57	52
1 6	1 56.79	+11 55.7	1.675	2.161	26.0	21.3	106 E	57	51*
1 16	2 7.16	+12 26.7	1.824	2.191	26.4	21.5	98 E	57	49*
1 26	2 19.09	+13 7.6	1.975	2.221	26.3	21.7	91 E	58	46*
2 5	2 32.28	+13 55.2	2.128	2.251	25.8	21.9	84 E	59*	43*

15817 Lucianotesi

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	1 48.59	−13 22.6	0.894	1.474	40.4	20.6	103 E	32	77
1 1	1 54.63	−11 52.9	0.933	1.477	40.9	20.7	101 E	33	76*
1 6	2 1.23	−10 21.7	0.973	1.478	41.2	20.8	98 E	35	73*
1 11	2 8.36	− 8 49.5	1.013	1.480	41.4	20.9	96 E	36	71*
1 16	2 15.99	− 7 16.9	1.053	1.480	41.6	21.0	93 E	38	68*
1 21	2 24.07	− 5 44.2	1.093	1.481	41.6	21.1	91 E	39	65*
1 26	2 32.57	− 4 12.1	1.133	1.481	41.6	21.2	88 E	41	63*
1 31	2 41.46	− 2 40.7	1.172	1.481	41.6	21.2	86 E	42	60*
2 5	2 50.71	− 1 10.6	1.211	1.480	41.5	21.3	84 E	44	58*
2 10	3 0.32	+ 0 18.2	1.250	1.479	41.3	21.4	82 E	45*	56*
2 15	3 10.28	+ 1 45.2	1.288	1.477	41.1	21.4	80 E	46*	54*
2 20	3 20.57	+ 3 10.2	1.326	1.476	40.9	21.5	78 E	47*	52*

165383 2000 *WA*$_{173}$

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	1 48.72	−13 43.9	1.298	1.800	32.1	18.7	103 E	31	78
1 1	1 53.62	−11 29.2	1.350	1.812	32.2	18.8	101 E	34	75*
1 6	1 59.00	− 9 17.5	1.405	1.825	32.2	18.9	98 E	36	72*
1 11	2 4.83	− 7 9.4	1.461	1.838	32.2	19.0	95 E	38	69*
1 16	2 11.07	− 5 4.9	1.520	1.851	32.1	19.1	93 E	40	66*
1 26	2 24.65	− 1 8.0	1.642	1.878	31.6	19.3	88 E	44	59*
2 5	2 39.47	+ 2 31.9	1.769	1.907	30.8	19.5	82 E	48*	53*
2 15	2 55.37	+ 5 54.8	1.899	1.936	29.8	19.6	77 E	50*	48*
2 25	3 12.21	+ 9 0.7	2.032	1.966	28.6	19.8	72 E	50*	44*
3 7	3 29.85	+11 49.6	2.165	1.997	27.2	19.9	67 E	49*	40*
3 17	3 48.21	+14 22.0	2.298	2.028	25.6	20.0	62 E	46*	36*
3 27	4 7.19	+16 38.2	2.428	2.059	23.9	20.1	57 E	43*	33*
4 6	4 26.70	+18 38.5	2.554	2.091	22.1	20.2	52 E	39*	30*
4 16	4 46.68	+20 23.4	2.677	2.122	20.2	20.3	47 E	34*	27*
4 26	5 7.03	+21 53.2	2.793	2.153	18.2	20.3	42 E	29*	24*
5 6	5 27.66	+23 8.4	2.902	2.185	16.2	20.4	37 E	25*	21*
5 16	5 48.50	+24 9.5	3.003	2.216	14.1	20.4	32 E	20*	18*
5 26	6 9.46	+24 57.1	3.096	2.246	12.0	20.4	27 E	15*	15*
6 5	6 30.43	+25 31.8	3.179	2.277	9.9	20.4	23 E	11*	12*
6 15	6 51.36	+25 54.3	3.252	2.307	7.8	20.4	18 E	7*	8*
6 25	7 12.15	+26 5.6	3.314	2.336	5.7	20.4	13 E	4*	4*
7 5	7 32.73	+26 6.6	3.364	2.365	3.8	20.4	9 E	2*	—
7 15	7 53.04	+25 58.3	3.403	2.393	2.4	20.3	6 E	—	—
7 25	8 13.02	+25 41.8	3.429	2.421	2.5	20.4	6 W	—	—
8 4	8 32.63	+25 18.2	3.442	2.448	4.0	20.5	10 W	4*	—
8 14	8 51.84	+24 48.9	3.443	2.474	5.8	20.6	14 W	8*	—
8 24	9 10.58	+24 15.2	3.431	2.500	7.7	20.7	19 W	13*	1*
9 3	9 28.86	+23 38.4	3.405	2.525	9.6	20.8	25 W	19*	4*
9 13	9 46.63	+23 0.0	3.367	2.549	11.5	20.9	30 W	24*	6*
9 23	10 3.85	+22 21.6	3.316	2.572	13.2	20.9	36 W	30*	9*
10 3	10 20.51	+21 44.8	3.253	2.595	14.9	21.0	42 W	36*	11*
10 13	10 36.56	+21 11.3	3.179	2.616	16.4	21.0	48 W	41*	14*

165383 2000 WA_{173} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 23	10 51.93	+20 43.1	3.093	2.637	17.8	21.0	54 W	47*	17*
11 2	11 6.56	+20 22.1	2.998	2.657	19.0	21.0	61 W	53*	20*
11 12	11 20.35	+20 10.4	2.894	2.676	20.0	20.9	67 W	58*	24*
11 22	11 33.17	+20 10.3	2.784	2.694	20.7	20.9	75 W	63*	27*
12 2	11 44.87	+20 23.9	2.669	2.712	21.1	20.8	82 W	65*	31*
12 12	11 55.24	+20 53.6	2.551	2.728	21.2	20.7	90 W	66	35*
12 22	12 4.05	+21 41.3	2.434	2.744	20.8	20.6	98 W	67	38*
1 1	12 11.01	+22 48.4	2.320	2.758	20.0	20.5	106 W	68	40*
1 11	12 15.78	+24 15.4	2.214	2.772	18.8	20.4	115 W	69	40*
1 21	12 18.06	+26 0.6	2.119	2.785	17.2	20.3	123 W	71	38

122421 2000 QZ_{101}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	1 48.96	+10 2.3	2.078	2.630	20.1	20.5	113 E	55	54
1 6	1 52.18	+10 41.9	2.227	2.646	21.1	20.7	104 E	56	52*
1 16	1 57.59	+11 30.6	2.380	2.662	21.6	20.9	96 E	57	49*
1 26	2 4.89	+12 26.6	2.534	2.677	21.6	21.0	87 E	57	45*
2 5	2 13.77	+13 27.7	2.687	2.691	21.1	21.1	80 E	58*	41*
2 15	2 24.02	+14 32.5	2.836	2.704	20.4	21.2	72 E	56*	37*
2 25	2 35.43	+15 39.4	2.979	2.716	19.3	21.3	65 E	52*	33*
3 7	2 47.83	+16 47.0	3.115	2.727	18.0	21.4	58 E	47*	29*
3 17	3 1.09	+17 54.0	3.241	2.736	16.6	21.4	52 E	42*	25*
3 27	3 15.09	+18 59.4	3.356	2.746	14.9	21.5	45 E	36*	22*
4 6	3 29.73	+20 2.1	3.459	2.754	13.2	21.5	39 E	30*	19*
4 16	3 44.94	+21 1.4	3.550	2.761	11.4	21.5	33 E	24*	15*
4 26	4 0.62	+21 56.5	3.627	2.767	9.4	21.4	27 E	18*	12*
5 6	4 16.71	+22 46.6	3.690	2.772	7.5	21.4	21 E	12*	9*
5 16	4 33.15	+23 31.3	3.739	2.776	5.5	21.3	15 E	7*	5*
5 26	4 49.86	+24 10.2	3.773	2.779	3.4	21.2	10 E	2*	1*
6 5	5 6.78	+24 42.8	3.792	2.781	1.5	21.1	4 E	—	—
6 15	5 23.84	+25 9.0	3.796	2.782	1.0	21.1	3 W	—	—
6 25	5 40.97	+25 28.7	3.786	2.783	2.9	21.2	8 W	—	—
7 5	5 58.09	+25 41.9	3.760	2.782	4.9	21.3	14 W	4*	4*
7 15	6 15.14	+25 48.8	3.720	2.780	6.9	21.4	19 W	9*	8*
7 25	6 32.03	+25 49.5	3.665	2.777	8.9	21.4	25 W	15*	12*
8 4	6 48.69	+25 44.7	3.597	2.773	10.8	21.5	31 W	21*	15*
8 14	7 5.03	+25 34.7	3.515	2.769	12.6	21.5	37 W	27*	18*
8 24	7 20.96	+25 20.4	3.421	2.763	14.3	21.5	43 W	33*	20*
9 3	7 36.39	+25 2.5	3.315	2.756	16.0	21.5	49 W	39*	23*
9 13	7 51.21	+24 42.3	3.197	2.748	17.5	21.4	55 W	46*	25*
9 23	8 5.29	+24 20.9	3.070	2.740	18.8	21.4	62 W	52*	28*
10 3	8 18.53	+23 59.8	2.935	2.730	19.9	21.3	68 W	58*	30*
10 13	8 30.74	+23 40.6	2.793	2.719	20.8	21.2	75 W	63*	32*
10 23	8 41.74	+23 25.2	2.645	2.708	21.4	21.1	83 W	67*	35*
11 2	8 51.31	+23 15.7	2.495	2.695	21.6	21.0	91 W	68	37*
11 12	8 59.17	+23 14.3	2.344	2.682	21.4	20.8	99 W	68	39*
11 22	9 5.01	+23 23.3	2.196	2.667	20.7	20.7	108 W	68	40*
12 2	9 8.49	+23 44.5	2.055	2.652	19.4	20.5	117 W	69	40
12 12	9 9.21	+24 19.4	1.923	2.635	17.4	20.2	127 W	69	40
12 22	9 6.88	+25 7.6	1.806	2.618	14.7	20.0	138 W	70	39
1 1	9 1.34	+26 6.8	1.708	2.600	11.3	19.7	149 W	71	38
1 6	8 57.39	+26 39.1	1.668	2.591	9.4	19.6	155 W	72	37
1 11	8 52.74	+27 11.9	1.634	2.581	7.4	19.5	160 W	72	37
1 16	8 47.48	+27 44.3	1.607	2.571	5.6	19.3	165 W	73	36
1 21	8 41.75	+28 15.2	1.588	2.561	4.1	19.2	169 W	73	36

8651 Alineraynal

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	1 49.17	+13 1.4	1.106	1.759	30.6	17.3	115 E	58	51
1 6	2 2.97	+13 54.4	1.216	1.782	31.7	17.5	108 E	59	50*
1 16	2 18.57	+14 56.1	1.332	1.807	32.2	17.8	102 E	60	48*
1 26	2 35.66	+16 3.0	1.454	1.834	32.3	18.0	96 E	61	45*
2 5	2 53.93	+17 11.5	1.579	1.862	32.0	18.2	90 E	62	43*
2 15	3 13.18	+18 18.8	1.708	1.891	31.3	18.4	85 E	63*	40*
2 25	3 33.21	+19 22.3	1.839	1.921	30.4	18.6	79 E	62*	38*
3 7	3 53.86	+20 20.1	1.971	1.952	29.3	18.7	74 E	59*	36*
3 17	4 15.00	+21 10.4	2.103	1.984	28.0	18.8	69 E	56*	34*
3 27	4 36.51	+21 52.0	2.234	2.016	26.5	19.0	64 E	52*	33*
4 6	4 58.25	+22 23.7	2.364	2.048	24.9	19.1	60 E	47*	32*
4 16	5 20.13	+22 45.0	2.490	2.081	23.2	19.2	55 E	42*	30*
4 26	5 42.02	+22 55.4	2.612	2.114	21.4	19.3	50 E	36*	29*
5 6	6 3.83	+22 54.8	2.730	2.147	19.6	19.3	45 E	31*	27*
5 16	6 25.48	+22 43.3	2.842	2.180	17.6	19.4	41 E	25*	25*
5 26	6 46.86	+22 21.1	2.948	2.212	15.7	19.4	36 E	20*	23*
6 5	7 7.92	+21 48.8	3.047	2.245	13.6	19.5	31 E	15*	21*
6 15	7 28.60	+21 6.8	3.137	2.277	11.6	19.5	27 E	10*	18*
6 25	7 48.85	+20 15.9	3.219	2.308	9.5	19.5	22 E	6*	14*
7 5	8 8.63	+19 16.8	3.291	2.339	7.4	19.5	17 E	2*	10*
7 15	8 27.93	+18 10.5	3.352	2.370	5.3	19.4	12 E	—	6*
7 25	8 46.72	+16 57.6	3.403	2.400	3.2	19.4	8 E	—	2*
8 4	9 5.00	+15 39.1	3.442	2.429	1.1	19.3	3 E	—	—
8 14	9 22.76	+14 15.9	3.470	2.458	1.1	19.3	3 W	—	—
8 24	9 40.00	+12 48.9	3.484	2.486	3.2	19.5	8 W	—	—

8651 Alineraynal *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
9 3	9 56.72	+11 18.9	3.486	2.514	5.2	19.6	13 W	5*	4*
9 13	10 12.91	+ 9 46.7	3.474	2.540	7.2	19.8	19 W	11*	7*
9 23	10 28.56	+ 8 13.5	3.449	2.566	9.2	19.8	24 W	16*	11*
10 3	10 43.65	+ 6 39.9	3.411	2.592	11.1	19.9	30 W	21*	14*
10 13	10 58.16	+ 5 6.9	3.359	2.616	12.9	20.0	36 W	26*	18*
10 23	11 12.04	+ 3 35.4	3.294	2.639	14.6	20.0	42 W	31*	22*
11 2	11 25.23	+ 2 6.5	3.217	2.662	16.2	20.0	48 W	36*	27*
11 12	11 37.66	+ 0 41.1	3.127	2.684	17.6	20.0	55 W	39*	32*
11 22	11 49.20	− 0 39.7	3.027	2.705	18.8	20.0	62 W	42*	38*
12 2	11 59.75	− 1 54.8	2.918	2.725	19.7	20.0	69 W	43*	44*
12 12	12 9.12	− 3 2.9	2.800	2.744	20.4	19.9	77 W	42	51*
12 22	12 17.12	− 4 2.6	2.677	2.762	20.8	19.9	85 W	41	58*
1 1	12 23.52	− 4 52.7	2.551	2.780	20.7	19.8	93 W	40	65*
1 11	12 28.06	− 5 31.2	2.424	2.796	20.1	19.7	102 W	39	69*
1 21	12 30.49	− 5 56.7	2.302	2.812	19.0	19.5	111 W	39	70

2212 Hephaistos

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	1 49.23	+15 42.8	3.070	3.604	14.3	19.3	115 E	61	48
1 6	1 48.23	+15 32.6	3.257	3.638	15.1	19.5	105 E	61	48*
1 16	1 49.22	+15 33.1	3.450	3.671	15.5	19.7	95 E	61	45*
1 26	1 51.94	+15 43.4	3.644	3.702	15.4	19.8	86 E	61	41*
2 5	1 56.11	+16 1.9	3.835	3.731	14.9	19.9	77 E	59*	36*
2 15	2 1.52	+16 27.4	4.018	3.758	14.1	20.0	68 E	55*	32*
2 25	2 7.96	+16 58.4	4.190	3.783	13.0	20.1	59 E	49*	27*
3 7	2 15.24	+17 33.8	4.349	3.807	11.7	20.1	51 E	42*	23*
3 17	2 23.22	+18 12.4	4.492	3.829	10.3	20.1	43 E	35*	18*
3 27	2 31.77	+18 53.3	4.618	3.849	8.7	20.1	36 E	28*	14*
4 6	2 40.76	+19 35.6	4.724	3.868	7.0	20.1	28 E	21*	10*
4 16	2 50.10	+20 18.6	4.809	3.885	5.2	20.1	21 E	14*	5*
4 26	2 59.69	+21 1.7	4.873	3.901	3.4	20.0	13 E	7*	—
5 6	3 9.45	+21 44.3	4.915	3.915	1.7	19.9	7 E	1*	—
5 16	3 19.29	+22 26.1	4.934	3.927	1.1	19.9	4 W	—	—
5 26	3 29.12	+23 6.7	4.931	3.937	2.5	20.0	10 W	2*	2*
6 5	3 38.86	+23 45.8	4.907	3.946	4.3	20.1	17 W	6*	8*
6 15	3 48.42	+24 23.3	4.861	3.954	6.0	20.2	24 W	10*	14*
6 25	3 57.69	+24 59.0	4.794	3.960	7.6	20.2	31 W	16*	19*
7 5	4 6.58	+25 33.0	4.707	3.964	9.2	20.3	39 W	22*	24*
7 15	4 14.96	+26 5.4	4.603	3.967	10.6	20.3	46 W	30*	28*
7 25	4 22.68	+26 36.1	4.481	3.968	11.9	20.3	54 W	38*	31*
8 4	4 29.59	+27 5.3	4.345	3.967	13.0	20.2	62 W	46*	33*
8 14	4 35.51	+27 33.3	4.196	3.965	13.9	20.2	70 W	54*	35*
8 24	4 40.23	+28 0.1	4.038	3.962	14.5	20.1	78 W	62*	35*
9 3	4 43.54	+28 25.8	3.874	3.956	14.8	20.1	87 W	69*	36*
9 13	4 45.17	+28 50.2	3.707	3.950	14.7	19.9	97 W	74*	35
9 23	4 44.87	+29 13.0	3.541	3.941	14.2	19.8	106 W	74	35
10 3	4 42.42	+29 33.3	3.383	3.931	13.2	19.7	116 W	75	34
10 13	4 37.64	+29 49.7	3.236	3.920	11.7	19.5	127 W	75	34
10 23	4 30.49	+30 0.3	3.107	3.906	9.8	19.4	138 W	75	34
11 2	4 21.13	+30 2.9	3.002	3.892	7.4	19.2	150 W	75	34
11 12	4 9.97	+29 55.2	2.925	3.875	4.7	19.0	161 W	75	34
11 17	4 3.93	+29 47.2	2.898	3.866	3.4	18.9	167 W	75	34
11 22	3 57.72	+29 36.4	2.880	3.857	2.5	18.8	170 W	75	34
11 27	3 51.44	+29 22.9	2.871	3.848	2.4	18.8	171 E	74	35
12 2	3 45.23	+29 7.0	2.870	3.837	3.3	18.8	167 E	74	35
12 7	3 39.19	+28 49.0	2.878	3.827	4.5	18.9	162 E	74	35
12 12	3 33.44	+28 29.4	2.894	3.816	5.9	19.0	156 E	73	36
12 17	3 28.07	+28 8.9	2.918	3.805	7.3	19.1	150 E	73	36
12 22	3 23.16	+27 47.9	2.949	3.793	8.7	19.1	144 E	73	36
12 27	3 18.77	+27 26.9	2.987	3.781	9.9	19.2	139 E	72	37
1 1	3 14.95	+27 6.6	3.031	3.768	11.1	19.3	133 E	72	37
1 6	3 11.72	+26 47.3	3.081	3.755	12.1	19.3	127 E	72	37
1 11	3 9.10	+26 29.5	3.135	3.742	13.0	19.4	121 E	71	38
1 16	3 7.09	+26 13.4	3.193	3.728	13.7	19.5	116 E	71	38
1 21	3 5.68	+25 59.3	3.254	3.713	14.4	19.5	110 E	71	38*

18398 Bregenz

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	1 49.42	+ 8 23.8	1.525	2.113	25.4	18.6	113 E	53	56
1 6	1 58.44	+ 8 52.4	1.673	2.149	26.2	18.9	105 E	54	55*
1 16	2 9.15	+ 9 33.4	1.827	2.186	26.5	19.1	98 E	55	52*
1 26	2 21.27	+10 23.1	1.983	2.222	26.3	19.3	91 E	55	49*
2 5	2 34.53	+11 18.2	2.141	2.258	25.7	19.5	84 E	56*	45*
2 15	2 48.74	+12 16.2	2.299	2.294	24.8	19.7	77 E	56*	42*
2 25	3 3.73	+13 14.8	2.455	2.329	23.7	19.8	71 E	53*	39*
3 7	3 19.36	+14 12.0	2.606	2.363	22.4	19.9	65 E	50*	36*
3 17	3 35.54	+15 6.4	2.753	2.397	20.8	20.0	59 E	45*	33*
3 27	3 52.15	+15 56.6	2.893	2.430	19.2	20.1	53 E	40*	31*
4 6	4 9.10	+16 41.6	3.026	2.462	17.4	20.2	47 E	34*	28*
4 16	4 26.33	+17 20.5	3.150	2.494	15.6	20.2	42 E	29*	25*
4 26	4 43.75	+17 52.7	3.264	2.525	13.7	20.3	36 E	23*	23*
5 6	5 1.29	+18 17.5	3.367	2.555	11.7	20.3	31 E	17*	20*
5 16	5 18.89	+18 34.7	3.460	2.584	9.7	20.3	26 E	11*	16*

18398 Bregenz *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 26	5 36.47	+18 44.0	3.540	2.613	7.7	20.3	20 E	5*	13*
6 5	5 53.97	+18 45.4	3.607	2.640	5.7	20.3	15 E	—	9*
6 15	6 11.32	+18 38.8	3.661	2.667	3.8	20.2	10 E	—	4*
6 25	6 28.46	+18 24.4	3.702	2.693	2.2	20.1	6 E	—	—
7 5	6 45.33	+18 2.5	3.728	2.718	2.0	20.2	5 W	—	—
7 15	7 1.88	+17 33.4	3.740	2.741	3.4	20.3	9 W	—	3*
7 25	7 18.03	+16 57.5	3.738	2.764	5.2	20.4	14 W	1*	8*
8 4	7 33.74	+16 15.4	3.720	2.786	7.1	20.5	20 W	6*	12*
8 14	7 48.95	+15 27.5	3.689	2.808	8.9	20.6	25 W	12*	16*
8 24	8 3.59	+14 34.6	3.643	2.828	10.7	20.6	31 W	18*	19*
9 3	8 17.60	+13 37.4	3.582	2.847	12.4	20.7	37 W	24*	23*
9 13	8 30.90	+12 36.7	3.509	2.865	14.0	20.7	44 W	30*	27*
9 23	8 43.40	+11 33.3	3.422	2.882	15.5	20.7	50 W	36*	30*
10 3	8 55.02	+10 28.3	3.323	2.898	16.8	20.7	57 W	42*	34*
10 13	9 5.63	+ 9 22.6	3.214	2.913	17.9	20.7	64 W	46*	38*
10 23	9 15.08	+ 8 17.6	3.095	2.928	18.7	20.6	71 W	50*	43*
11 2	9 23.23	+ 7 14.7	2.969	2.941	19.3	20.6	79 W	52*	47*
11 12	9 29.87	+ 6 15.3	2.838	2.953	19.6	20.5	87 W	51	52*
11 22	9 34.78	+ 5 21.3	2.705	2.964	19.4	20.4	95 W	50	56*
12 2	9 37.76	+ 4 34.7	2.573	2.975	18.7	20.3	104 W	50	59*
12 12	9 38.57	+ 3 57.7	2.446	2.984	17.6	20.1	114 W	49	60
12 22	9 37.03	+ 3 32.6	2.328	2.992	15.8	20.0	124 W	49	60
1 1	9 33.08	+ 3 21.5	2.225	2.999	13.5	19.8	135 W	48	61
1 11	9 26.84	+ 3 25.9	2.141	3.006	10.6	19.6	146 W	48	61
1 21	9 18.67	+ 3 46.2	2.081	3.011	7.4	19.4	157 W	49	60

511795 2015 FR_{35}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	1 49.87	+13 23.9	1.032	1.698	31.7	21.1	115 E	58	51
1 6	2 1.39	+13 26.6	1.101	1.680	34.0	21.2	107 E	58	50*
1 16	2 15.95	+13 49.6	1.174	1.664	35.5	21.4	101 E	59	49*
1 26	2 33.10	+14 27.8	1.249	1.651	36.5	21.6	95 E	59	46*
2 5	2 52.45	+15 15.9	1.326	1.640	36.9	21.7	89 E	60	44*

385875 2006 RJ_{101}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	1 49.91	+ 4 46.5	1.197	1.808	30.3	19.7	112 E	50	59
1 6	1 57.32	+ 8 39.6	1.319	1.835	31.2	20.0	105 E	54	55*
1 16	2 7.32	+12 12.7	1.449	1.862	31.5	20.2	98 E	57	49*
1 26	2 19.51	+15 27.6	1.585	1.891	31.4	20.4	92 E	60	44*
2 5	2 33.53	+18 25.7	1.724	1.921	30.8	20.6	86 E	63*	39*
2 15	2 49.12	+21 8.4	1.864	1.952	29.9	20.8	80 E	64*	35*
2 25	3 6.09	+23 36.6	2.005	1.983	28.7	21.0	74 E	63*	31*
3 7	3 24.26	+25 50.8	2.144	2.015	27.4	21.1	69 E	60*	28*
3 17	3 43.50	+27 51.4	2.280	2.047	25.9	21.2	64 E	56*	25*
3 27	4 3.69	+29 38.4	2.413	2.080	24.2	21.3	59 E	51*	22*
4 6	4 24.69	+31 11.9	2.540	2.113	22.5	21.4	54 E	46*	20*

259490 2003 SW_{228}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	1 51.35	+16 29.8	1.457	2.087	25.0	20.5	116 E	61	48
1 6	1 59.24	+17 13.7	1.596	2.119	26.2	20.7	108 E	62	46*
1 16	2 9.31	+18 5.5	1.742	2.151	26.7	21.0	100 E	63	44*
1 26	2 21.21	+19 3.1	1.891	2.182	26.8	21.2	93 E	64	41*
2 5	2 34.59	+20 4.0	2.043	2.214	26.4	21.4	87 E	65*	38*

4486 Mithra

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	1 51.76	+ 9 10.4	2.557	3.088	16.9	20.9	114 E	54	55
1 6	1 52.72	+ 9 27.0	2.744	3.130	17.8	21.1	104 E	54	54*
1 16	1 55.69	+ 9 53.5	2.936	3.171	18.0	21.3	95 E	55	50*
1 26	2 0.36	+10 28.0	3.130	3.210	17.8	21.4	86 E	55	46*
2 5	2 6.45	+11 8.5	3.320	3.247	17.2	21.6	77 E	55*	41*

152978 2000 GJ_{147}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	1 53.41	+35 48.3	0.538	1.342	38.9	20.4	121 E	81	28
1 1	1 54.65	+36 57.1	0.587	1.354	40.3	20.7	117 E	82	27*
1 6	1 57.60	+37 58.6	0.637	1.366	41.5	20.9	113 E	83	26*
1 11	2 2.04	+38 55.0	0.687	1.376	42.3	21.1	110 E	84	24*
1 16	2 7.78	+39 47.5	0.737	1.386	42.9	21.3	106 E	85	23*
1 21	2 14.68	+40 37.1	0.788	1.394	43.4	21.5	103 E	86	22*

426481 2013 RY_{16}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	1 53.65	+61 11.9	1.101	1.816	27.6	19.0	121 E	74	3
1 1	2 0.49	+60 14.4	1.137	1.830	28.0	19.1	119 E	75	4*
1 6	2 8.67	+59 17.7	1.176	1.843	28.4	19.2	117 E	76	5*
1 11	2 17.99	+58 22.2	1.216	1.857	28.7	19.3	115 E	77	5*
1 16	2 28.25	+57 28.2	1.259	1.871	29.0	19.4	113 E	78	6*
1 21	2 39.31	+56 35.7	1.304	1.886	29.3	19.5	110 E	78	7*
1 26	2 50.99	+55 44.6	1.351	1.901	29.5	19.6	108 E	79	8*
1 31	3 3.17	+54 54.9	1.400	1.916	29.7	19.7	106 E	80	8*
2 5	3 15.73	+54 6.2	1.452	1.931	29.8	19.8	103 E	81	9*
2 10	3 28.60	+53 18.3	1.504	1.946	29.9	19.9	101 E	82	10*
2 15	3 41.70	+52 31.0	1.559	1.962	29.9	20.0	98 E	82	10*
2 20	3 54.95	+51 44.2	1.615	1.978	29.8	20.1	96 E	83*	11*

426481 2013 RY_{16} *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
2 25	4 8.28	+50 57.6	1.673	1.994	29.7	20.2	93 E	83*	12*
3 2	4 21.65	+50 11.0	1.732	2.010	29.5	20.3	91 E	82*	12*
3 7	4 35.00	+49 24.3	1.793	2.026	29.3	20.4	88 E	81*	13*
3 12	4 48.30	+48 37.1	1.854	2.042	29.0	20.5	86 E	79*	14*
3 17	5 1.52	+47 49.5	1.917	2.058	28.7	20.5	84 E	77*	14*
3 22	5 14.64	+47 1.4	1.980	2.075	28.3	20.6	81 E	75*	15*
3 27	5 27.61	+46 12.6	2.045	2.091	27.9	20.7	79 E	73*	16*
4 1	5 40.43	+45 23.1	2.109	2.108	27.4	20.8	76 E	70*	16*
4 6	5 53.06	+44 32.7	2.174	2.124	26.9	20.8	74 E	68*	17*
4 11	6 5.52	+43 41.5	2.240	2.141	26.3	20.9	71 E	65*	18*
4 16	6 17.78	+42 49.4	2.305	2.157	25.7	21.0	69 E	62*	18*
4 21	6 29.84	+41 56.4	2.371	2.173	25.1	21.0	66 E	60*	19*
4 26	6 41.68	+41 2.6	2.436	2.190	24.4	21.1	64 E	57*	20*
5 1	6 53.31	+40 7.9	2.501	2.206	23.7	21.1	62 E	54*	20*
5 6	7 4.73	+39 12.3	2.565	2.222	22.9	21.2	59 E	51*	21*
5 11	7 15.93	+38 15.8	2.629	2.239	22.1	21.2	57 E	48*	21*
5 16	7 26.93	+37 18.6	2.692	2.255	21.3	21.3	54 E	44*	21*
5 21	7 37.71	+36 20.6	2.753	2.271	20.5	21.3	52 E	41*	21*
5 26	7 48.28	+35 21.9	2.814	2.287	19.6	21.3	49 E	38*	22*
5 31	7 58.65	+34 22.5	2.873	2.303	18.7	21.4	47 E	35*	22*
6 5	8 8.81	+33 22.4	2.931	2.318	17.8	21.4	44 E	32*	21*
6 10	8 18.79	+32 21.8	2.988	2.334	16.9	21.4	42 E	29*	21*
6 15	8 28.58	+31 20.5	3.042	2.349	16.0	21.4	40 E	27*	20*
6 20	8 38.18	+30 18.8	3.095	2.365	15.0	21.5	37 E	24*	20*
6 25	8 47.61	+29 16.6	3.146	2.380	14.0	21.5	35 E	21*	19*
6 30	8 56.86	+28 14.0	3.194	2.395	13.0	21.5	32 E	19*	18*
7 5	9 5.94	+27 11.0	3.241	2.410	12.0	21.5	30 E	17*	16*
7 10	9 14.87	+26 7.7	3.285	2.425	11.0	21.5	27 E	15*	15*
7 15	9 23.65	+25 4.1	3.326	2.440	10.0	21.5	25 E	13*	13*
7 20	9 32.27	+24 0.3	3.365	2.454	9.0	21.5	22 E	11*	11*
7 25	9 40.75	+22 56.3	3.400	2.468	8.0	21.5	20 E	9*	9*
7 30	9 49.08	+21 52.1	3.433	2.483	7.0	21.5	17 E	8*	7*
8 4	9 57.29	+20 47.9	3.464	2.497	6.0	21.5	15 E	6*	5*
8 9	10 5.37	+19 43.5	3.490	2.510	5.0	21.4	13 E	5*	3*
8 14	10 13.32	+18 39.2	3.514	2.524	4.1	21.4	10 E	3*	1*
8 19	10 21.14	+17 34.9	3.535	2.537	3.3	21.4	8 E	2*	—
8 24	10 28.85	+16 30.7	3.552	2.551	2.7	21.4	7 E	1*	—
8 29	10 36.44	+15 26.6	3.565	2.564	2.4	21.4	6 E	—	—
9 3	10 43.92	+14 22.6	3.576	2.577	2.7	21.4	7 W	—	—
9 8	10 51.28	+13 18.8	3.582	2.589	3.2	21.5	8 W	2*	—

161513 2004 RK_{195}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	1 53.78	+17 53.3	1.741	2.359	21.8	20.8	117 E	63	46
1 6	1 59.00	+17 53.0	1.883	2.381	23.1	21.1	108 E	63	46*
1 16	2 6.51	+18 6.4	2.030	2.403	23.8	21.3	100 E	63	44*
1 26	2 15.96	+18 31.1	2.181	2.423	24.0	21.4	92 E	64	41*
2 5	2 27.02	+19 4.3	2.332	2.443	23.7	21.6	85 E	64*	38*

149223 2002 RM_{65}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	1 54.23	+ 9 55.9	1.290	1.921	27.7	19.2	115 E	55	54
1 6	2 3.91	+11 45.2	1.426	1.959	28.6	19.5	107 E	57	52*
1 16	2 15.55	+13 32.8	1.570	1.998	29.0	19.8	100 E	59	49*
1 26	2 28.83	+15 17.5	1.718	2.037	28.8	20.0	94 E	60	45*
2 5	2 43.42	+16 58.0	1.870	2.076	28.3	20.2	88 E	62*	42*
2 15	2 59.12	+18 33.4	2.023	2.116	27.5	20.4	81 E	62*	38*
2 25	3 15.75	+20 2.7	2.177	2.155	26.4	20.6	76 E	61*	35*
3 7	3 33.14	+21 25.0	2.329	2.194	25.1	20.7	70 E	58*	33*
3 17	3 51.16	+22 39.6	2.479	2.233	23.6	20.8	64 E	53*	30*
3 27	4 9.71	+23 45.9	2.625	2.272	22.0	20.9	59 E	48*	28*
4 6	4 28.67	+24 43.4	2.765	2.310	20.3	21.0	53 E	43*	25*
4 16	4 47.95	+25 31.8	2.900	2.348	18.5	21.1	48 E	38*	23*
4 26	5 7.45	+26 10.7	3.026	2.385	16.6	21.2	43 E	32*	21*
5 6	5 27.07	+26 40.1	3.145	2.422	14.6	21.2	37 E	27*	19*
5 16	5 46.74	+27 0.0	3.254	2.458	12.6	21.3	32 E	21*	16*
5 26	6 6.37	+27 10.6	3.353	2.493	10.6	21.3	27 E	16*	13*
6 5	6 25.86	+27 12.1	3.441	2.527	8.6	21.3	22 E	11*	10*
6 15	6 45.16	+27 5.0	3.517	2.561	6.5	21.3	17 E	7*	6*
6 25	7 4.18	+26 49.9	3.581	2.594	4.6	21.2	12 E	4*	2*
7 5	7 22.87	+26 27.2	3.632	2.626	2.7	21.2	7 E	1*	—
7 15	7 41.19	+25 57.8	3.669	2.657	1.7	21.2	5 E	—	—
7 25	7 59.06	+25 22.5	3.692	2.687	2.6	21.3	7 W	1*	—
8 4	8 16.46	+24 42.0	3.702	2.717	4.4	21.4	12 W	6*	—

314004 2004 TG_{366}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	1 54.42	+ 7 26.3	1.320	1.938	27.7	20.6	114 E	52	57
1 6	2 3.50	+ 9 3.5	1.449	1.966	28.7	20.8	106 E	54	55*
1 16	2 14.65	+10 43.5	1.583	1.994	29.1	21.1	99 E	56	51*
1 26	2 27.55	+12 23.9	1.722	2.022	29.1	21.3	93 E	57	48*
2 5	2 41.88	+14 2.7	1.863	2.051	28.7	21.5	86 E	59*	44*

488490 2000 AF_{205}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 27	1 54.53	− 8 23.2	0.102	1.018	67.4	19.2	107 E	37	72
12 29	2 15.39	− 5 43.0	0.109	1.027	63.3	19.2	111 E	39	70
12 31	2 33.58	− 3 19.6	0.117	1.037	59.9	19.3	114 E	42	67
1 2	2 49.49	− 1 12.6	0.126	1.046	57.1	19.4	117 E	44	65
1 4	3 3.48	+ 0 39.4	0.136	1.055	54.7	19.5	119 E	46	63
1 6	3 15.87	+ 2 18.3	0.146	1.064	52.9	19.6	120 E	47	62
1 8	3 26.93	+ 3 45.7	0.156	1.073	51.3	19.7	122 E	49	60
1 10	3 36.89	+ 5 3.5	0.167	1.082	50.1	19.9	122 E	50	59
1 12	3 45.95	+ 6 13.0	0.179	1.091	49.2	20.0	123 E	51	58
1 14	3 54.25	+ 7 15.5	0.191	1.100	48.4	20.1	123 E	52	57
1 16	4 1.93	+ 8 11.9	0.203	1.108	47.8	20.3	123 E	53	56
1 18	4 9.08	+ 9 3.1	0.215	1.117	47.4	20.4	123 E	54	55
1 20	4 15.80	+ 9 49.9	0.227	1.125	47.0	20.5	123 E	55	54
1 22	4 22.15	+10 32.7	0.240	1.133	46.8	20.6	123 E	56	53
1 24	4 28.20	+11 12.2	0.253	1.141	46.6	20.8	123 E	56	53
1 26	4 33.98	+11 48.5	0.267	1.149	46.6	20.9	122 E	57	52
1 31	4 47.53	+13 8.4	0.301	1.168	46.5	21.2	121 E	58	51
2 5	5 0.16	+14 15.3	0.336	1.185	46.7	21.5	119 E	59	50
2 10	5 12.21	+15 12.0	0.372	1.202	47.0	21.7	117 E	60	49
2 15	5 23.92	+16 0.3	0.410	1.218	47.4	22.0	115 E	61	48

306522 1999 XZ_{14}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	1 55.77	− 9 16.7	1.158	1.724	33.1	18.7	107 E	36	73
1 6	2 6.00	− 4 16.5	1.268	1.756	33.3	18.9	102 E	41	68*
1 16	2 18.14	+ 0 19.4	1.388	1.789	33.1	19.2	96 E	45	61*
1 26	2 31.88	+ 4 30.7	1.517	1.824	32.7	19.4	91 E	50	55*
2 5	2 46.96	+ 8 18.1	1.651	1.860	31.9	19.6	86 E	53	50*
2 15	3 3.18	+11 42.8	1.791	1.897	30.9	19.8	81 E	56*	45*
2 25	3 20.41	+14 46.5	1.933	1.935	29.7	20.0	75 E	56*	40*
3 7	3 38.50	+17 30.1	2.076	1.973	28.2	20.1	70 E	55*	36*
3 17	3 57.35	+19 55.0	2.219	2.012	26.6	20.3	65 E	52*	33*
3 27	4 16.86	+22 2.1	2.360	2.051	24.9	20.4	60 E	48*	30*
4 6	4 36.92	+23 52.2	2.498	2.090	23.1	20.5	55 E	44*	27*
4 16	4 57.44	+25 26.1	2.631	2.129	21.2	20.6	50 E	39*	25*
4 26	5 18.33	+26 44.4	2.758	2.168	19.2	20.7	45 E	35*	22*
5 6	5 39.47	+27 47.9	2.878	2.207	17.2	20.7	40 E	30*	20*
5 16	6 0.79	+28 37.2	2.991	2.245	15.1	20.8	35 E	25*	17*
5 26	6 22.16	+29 13.1	3.095	2.283	13.1	20.8	31 E	20*	15*
6 5	6 43.50	+29 36.4	3.189	2.320	11.1	20.8	26 E	16*	12*
6 15	7 4.71	+29 48.0	3.273	2.357	9.1	20.8	21 E	12*	8*
6 25	7 25.72	+29 48.9	3.345	2.393	7.2	20.8	17 E	9*	5*
7 5	7 46.44	+29 40.1	3.407	2.428	5.5	20.8	13 E	6*	1*
7 15	8 6.82	+29 22.7	3.456	2.463	4.2	20.8	10 E	4*	—
7 25	8 26.80	+28 58.0	3.492	2.496	3.9	20.9	10 E	3*	—
8 4	8 46.35	+28 27.1	3.516	2.529	4.5	20.9	11 W	4*	—
8 14	9 5.42	+27 51.4	3.527	2.562	5.9	21.0	15 W	8*	—
8 24	9 23.99	+27 12.2	3.524	2.593	7.5	21.1	19 W	13*	—
9 3	9 42.04	+26 31.0	3.508	2.623	9.2	21.2	24 W	18*	—
9 13	9 59.54	+25 49.1	3.478	2.653	10.9	21.3	30 W	24*	2*
9 23	10 16.47	+25 8.2	3.436	2.681	12.5	21.4	35 W	29*	5*
10 3	10 32.80	+24 29.9	3.381	2.709	14.1	21.4	41 W	35*	7*
10 13	10 48.49	+23 55.7	3.314	2.736	15.5	21.4	47 W	41*	10*
10 23	11 3.48	+23 27.6	3.235	2.762	16.8	21.5	53 W	47*	13*
11 2	11 17.71	+23 7.4	3.147	2.786	18.0	21.4	60 W	53*	16*
11 12	11 31.08	+22 57.1	3.049	2.810	18.9	21.4	67 W	59*	20*
11 22	11 43.46	+22 58.7	2.944	2.833	19.6	21.4	74 W	64*	24*
12 2	11 54.70	+23 14.3	2.834	2.855	20.0	21.3	81 W	68*	28*
12 12	12 4.61	+23 45.6	2.721	2.876	20.0	21.3	89 W	69	32*
12 22	12 12.94	+24 34.4	2.609	2.896	19.7	21.2	97 W	70	35*
1 1	12 19.43	+25 41.4	2.499	2.914	19.0	21.1	105 W	71	37*
1 11	12 23.75	+27 6.6	2.397	2.932	17.9	21.0	114 W	72	37*
1 21	12 25.61	+28 48.0	2.306	2.949	16.4	20.8	122 W	74	35

14017 1994 NS

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	1 56.37	+ 7 35.7	1.827	2.405	21.9	19.1	114 E	53	56
1 6	2 1.26	+ 8 0.8	1.973	2.427	23.0	19.3	105 E	53	56*
1 16	2 8.27	+ 8 38.1	2.124	2.448	23.5	19.5	97 E	54	53*
1 26	2 17.08	+ 9 24.7	2.277	2.468	23.5	19.7	89 E	54	49*
2 5	2 27.40	+10 17.7	2.429	2.488	23.1	19.8	82 E	55*	45*
2 15	2 39.00	+11 14.9	2.579	2.507	22.3	19.9	75 E	54*	41*
2 25	2 51.67	+12 14.0	2.724	2.524	21.3	20.0	68 E	51*	38*
3 7	3 5.25	+13 13.4	2.863	2.541	20.0	20.1	61 E	47*	34*
3 17	3 19.60	+14 11.5	2.994	2.557	18.6	20.2	55 E	42*	31*
3 27	3 34.61	+15 6.9	3.117	2.572	17.0	20.2	49 E	36*	28*
4 6	3 50.18	+15 58.6	3.229	2.587	15.3	20.3	43 E	31*	25*
4 16	4 6.22	+16 45.5	3.330	2.600	13.4	20.3	37 E	25*	22*
4 26	4 22.66	+17 26.7	3.419	2.612	11.6	20.3	31 E	19*	19*
5 6	4 39.40	+18 1.7	3.496	2.624	9.6	20.2	26 E	13*	16*
5 16	4 56.39	+18 29.8	3.559	2.634	7.6	20.2	20 E	7*	12*
5 26	5 13.55	+18 50.5	3.610	2.644	5.6	20.2	15 E	2*	8*
6 5	5 30.81	+19 3.7	3.646	2.652	3.7	20.1	10 E	—	4*

14017 1994 NS *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
6 15	5 48.12	+19 9.0	3.669	2.660	2.1	20.0	5 E	—	—
6 25	6 5.37	+19 6.4	3.678	2.666	1.8	20.0	5 W	—	—
7 5	6 22.53	+18 55.9	3.672	2.672	3.3	20.1	9 W	—	3*
7 15	6 39.52	+18 37.6	3.653	2.676	5.2	20.2	14 W	—	7*
7 25	6 56.26	+18 11.9	3.619	2.680	7.1	20.3	19 W	5*	11*
8 4	7 12.70	+17 39.0	3.572	2.683	9.1	20.3	25 W	11*	15*
8 14	7 28.76	+16 59.4	3.511	2.685	11.0	20.4	30 W	17*	19*
8 24	7 44.36	+16 13.7	3.437	2.685	12.8	20.4	36 W	23*	22*
9 3	7 59.44	+15 22.4	3.350	2.685	14.5	20.4	42 W	29*	25*
9 13	8 13.92	+14 26.5	3.252	2.684	16.2	20.4	48 W	35*	29*
9 23	8 27.69	+13 26.6	3.143	2.682	17.7	20.4	54 W	40*	32*
10 3	8 40.65	+12 24.0	3.024	2.678	19.0	20.3	61 W	45*	35*
10 13	8 52.68	+11 19.5	2.896	2.674	20.1	20.2	67 W	50*	39*
10 23	9 3.62	+10 14.7	2.761	2.669	21.0	20.2	74 W	53*	43*
11 2	9 13.31	+ 9 10.9	2.620	2.663	21.6	20.1	82 W	54*	47*
11 12	9 21.52	+ 8 9.9	2.476	2.656	21.9	19.9	89 W	53	51*
11 22	9 28.01	+ 7 13.8	2.331	2.648	21.7	19.8	98 W	52	55*
12 2	9 32.51	+ 6 24.8	2.188	2.639	21.0	19.6	106 W	51	57*
12 12	9 34.70	+ 5 45.7	2.050	2.629	19.8	19.4	116 W	51	58
12 22	9 34.32	+ 5 19.2	1.922	2.618	17.8	19.2	125 W	50	59
1 1	9 31.18	+ 5 8.0	1.807	2.606	15.2	19.0	136 W	50	59
1 11	9 25.27	+ 5 14.4	1.711	2.593	11.9	18.8	147 W	50	59
1 21	9 16.92	+ 5 39.1	1.639	2.580	8.0	18.5	159 W	51	58

112221 2002 KH_4

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	1 57.09	+15 53.8	2.709	3.278	15.5	21.1	117 E	61	48
1 6	1 56.76	+14 22.0	2.859	3.278	16.7	21.3	107 E	59	49*
1 16	1 58.56	+13 10.5	3.017	3.276	17.4	21.4	96 E	58	48*
1 26	2 2.22	+12 17.0	3.177	3.273	17.5	21.5	87 E	57	45*
2 5	2 7.44	+11 38.8	3.335	3.268	17.1	21.6	78 E	56*	41*

216722 2005 EC_{286}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	1 57.16	+16 44.2	1.864	2.478	20.6	20.1	118 E	62	47
1 6	1 59.29	+17 46.1	2.020	2.508	21.9	20.4	108 E	63	46*
1 16	2 4.00	+18 52.3	2.182	2.538	22.5	20.6	100 E	64	43*
1 26	2 10.89	+20 2.2	2.347	2.567	22.5	20.8	91 E	65	39*
2 5	2 19.61	+21 14.7	2.513	2.595	22.2	20.9	84 E	66*	35*
2 15	2 29.88	+22 29.0	2.676	2.622	21.5	21.1	76 E	64*	31*
2 25	2 41.46	+23 44.0	2.834	2.648	20.4	21.2	69 E	59*	28*
3 7	2 54.15	+24 58.7	2.985	2.674	19.2	21.3	62 E	54*	24*
3 17	3 7.80	+26 12.2	3.129	2.699	17.8	21.4	56 E	48*	21*
3 27	3 22.28	+27 23.7	3.262	2.722	16.2	21.4	50 E	42*	18*
4 6	3 37.48	+28 32.2	3.385	2.745	14.5	21.5	43 E	37*	15*
4 16	3 53.31	+29 37.3	3.495	2.767	12.8	21.5	37 E	31*	12*
4 26	4 9.69	+30 38.2	3.593	2.788	11.0	21.5	32 E	25*	9*
5 6	4 26.53	+31 34.4	3.677	2.808	9.2	21.5	26 E	20*	5*
5 16	4 43.77	+32 25.6	3.747	2.828	7.4	21.5	21 E	15*	2*
5 26	5 1.33	+33 11.4	3.803	2.846	5.8	21.4	16 E	10*	—
6 5	5 19.12	+33 51.6	3.844	2.863	4.5	21.4	13 E	7*	—
6 15	5 37.10	+34 26.3	3.869	2.880	3.9	21.4	11 E	4*	—
6 25	5 55.16	+34 55.4	3.880	2.895	4.3	21.4	12 W	6*	—

306772 2001 CY_1

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	1 57.23	+20 30.5	0.960	1.672	31.0	18.0	119 E	66	43
1 6	2 11.74	+21 24.3	1.048	1.686	32.7	18.2	112 E	66	42*
1 16	2 28.80	+22 23.7	1.143	1.702	33.7	18.5	106 E	67	41*
1 26	2 47.96	+23 25.3	1.244	1.722	34.2	18.7	101 E	68	39*
2 5	3 8.76	+24 25.5	1.351	1.745	34.2	18.9	95 E	69	37*
2 15	3 30.87	+25 21.4	1.463	1.771	33.9	19.1	90 E	70*	35*
2 25	3 53.99	+26 10.4	1.580	1.799	33.3	19.3	86 E	70*	34*
3 7	4 17.83	+26 50.1	1.700	1.829	32.4	19.4	81 E	68*	33*
3 17	4 42.17	+27 19.1	1.824	1.861	31.3	19.6	76 E	64*	32*
3 27	5 6.77	+27 36.0	1.949	1.896	30.0	19.7	72 E	60*	31*
4 6	5 31.43	+27 40.3	2.076	1.931	28.6	19.9	68 E	56*	31*
4 16	5 55.98	+27 31.7	2.204	1.968	27.1	20.0	63 E	51*	31*
4 26	6 20.26	+27 10.4	2.331	2.006	25.4	20.1	59 E	46*	30*
5 6	6 44.13	+26 36.8	2.457	2.044	23.7	20.2	55 E	40*	30*
5 16	7 7.50	+25 51.7	2.581	2.084	21.9	20.3	50 E	35*	29*
5 26	7 30.30	+24 55.9	2.702	2.124	20.0	20.4	46 E	29*	28*
6 5	7 52.45	+23 50.5	2.819	2.164	18.1	20.5	41 E	24*	27*
6 15	8 13.95	+22 36.5	2.931	2.204	16.1	20.5	37 E	18*	25*
6 25	8 34.77	+21 14.9	3.036	2.245	14.0	20.6	32 E	14*	22*
7 5	8 54.92	+19 47.0	3.135	2.285	12.0	20.6	28 E	10*	19*
7 15	9 14.43	+18 13.7	3.226	2.326	9.9	20.6	23 E	6*	15*
7 25	9 33.30	+16 36.0	3.308	2.366	7.8	20.6	18 E	4*	11*
8 4	9 51.57	+14 54.9	3.381	2.406	5.7	20.6	14 E	1*	7*
8 14	10 9.28	+13 11.3	3.442	2.445	3.6	20.6	9 E	—	2*
8 24	10 26.43	+11 26.0	3.493	2.485	1.5	20.5	4 E	—	—
9 3	10 43.06	+ 9 39.9	3.531	2.523	0.9	20.5	2 W	—	—
9 13	10 59.18	+ 7 53.7	3.556	2.561	2.9	20.7	7 W	1*	—
9 23	11 14.81	+ 6 8.2	3.568	2.599	4.9	20.9	13 W	6*	1*
10 3	11 29.94	+ 4 24.2	3.567	2.636	6.9	21.0	18 W	11*	5*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
306772 2001 CY_1									*(continuation)*
	h m	° ′			°	m	°	°	°
10 13	11 44.57	+ 2 42.3	3.551	2.672	8.8	21.1	24 W	17*	9*
10 23	11 58.67	+ 1 3.3	3.521	2.708	10.7	21.2	30 W	22*	13*
11 2	12 12.20	− 0 32.1	3.477	2.743	12.4	21.2	36 W	27*	18*
11 12	12 25.11	− 2 3.3	3.419	2.777	14.1	21.3	43 W	31*	23*
11 22	12 37.30	− 3 29.3	3.347	2.811	15.5	21.3	50 W	35*	29*
12 2	12 48.69	− 4 49.7	3.264	2.843	16.8	21.3	57 W	37*	35*
12 12	12 59.13	− 6 3.5	3.169	2.875	17.9	21.3	64 W	38*	42*
12 22	13 8.48	− 7 10.0	3.064	2.906	18.7	21.3	72 W	38*	50*
1 1	13 16.54	− 8 8.5	2.952	2.937	19.2	21.3	79 W	37	58*
1 11	13 23.10	− 8 58.0	2.835	2.966	19.3	21.2	88 W	36	66*
1 21	13 27.92	− 9 37.6	2.716	2.995	19.0	21.1	97 W	35	72*
378160 2006 WX_1									
12 27	1 58.39	+56 15.7	0.322	1.187	44.4	19.2	122 E	79	8
12 29	1 58.45	+54 45.2	0.327	1.186	45.2	19.3	121 E	80	9
12 31	1 59.02	+53 17.0	0.332	1.184	46.1	19.3	120 E	82	11*
1 2	2 0.03	+51 51.3	0.337	1.182	47.0	19.4	119 E	83	12*
1 4	2 1.43	+50 28.2	0.342	1.180	47.9	19.4	117 E	85	13*
1 6	2 3.16	+49 7.9	0.348	1.177	48.8	19.5	116 E	86	15*
1 11	2 8.72	+45 59.4	0.362	1.169	51.1	19.6	112 E	89	18*
1 16	2 15.70	+43 8.4	0.377	1.160	53.5	19.8	109 E	88	20*
1 21	2 23.74	+40 34.0	0.393	1.150	55.8	19.9	105 E	86	22*
1 26	2 32.56	+38 14.6	0.408	1.137	58.1	20.0	101 E	83	24*
1 31	2 41.96	+36 8.0	0.422	1.124	60.3	20.1	98 E	81	25*
2 5	2 51.79	+34 11.9	0.436	1.108	62.5	20.2	94 E	79	27*
2 10	3 1.94	+32 24.5	0.449	1.092	64.7	20.3	91 E	77*	28*
2 15	3 12.33	+30 43.8	0.460	1.073	66.8	20.4	88 E	75*	29*
2 20	3 22.83	+29 8.0	0.469	1.054	69.1	20.5	85 E	72*	30*
2 25	3 33.34	+27 35.1	0.477	1.033	71.4	20.6	81 E	69*	31*
3 2	3 43.73	+26 3.4	0.482	1.010	73.8	20.6	78 E	66*	32*
3 7	3 53.88	+24 31.1	0.485	0.987	76.5	20.7	75 E	63*	33*
3 12	4 3.66	+22 56.8	0.485	0.962	79.3	20.7	72 E	59*	33*
3 17	4 12.91	+21 18.9	0.482	0.936	82.4	20.8	69 E	56*	34*
3 22	4 21.40	+19 35.9	0.477	0.909	85.9	20.8	66 E	52*	35*
3 27	4 28.84	+17 46.3	0.469	0.882	89.8	20.9	62 E	47*	35*
4 1	4 34.89	+15 48.6	0.459	0.854	94.3	20.9	58 E	43*	35*
4 6	4 39.12	+13 42.0	0.446	0.826	99.5	21.0	54 E	37*	35*
4 11	4 41.01	+11 26.0	0.431	0.798	105.4	21.2	50 E	32*	35*
4 16	4 39.92	+ 9 1.2	0.416	0.770	112.2	21.4	45 E	25*	33*
270588 2002 LA_6									
12 27	1 59.02	+19 46.5	1.480	2.136	23.8	20.6	119 E	65	44
1 6	2 7.16	+19 38.1	1.628	2.178	25.0	20.9	111 E	65	44*
1 16	2 17.28	+19 44.5	1.785	2.220	25.6	21.2	103 E	65	43*
1 26	2 29.02	+20 2.4	1.946	2.261	25.7	21.4	95 E	65	41*
2 5	2 42.06	+20 28.5	2.110	2.302	25.3	21.6	88 E	65*	38*
154330 2002 VX_{94}									
12 27	2 0.37	+31 7.3	0.468	1.293	40.3	18.5	122 E	76	33
1 1	1 57.21	+29 44.6	0.468	1.261	44.5	18.6	116 E	75	34*
1 6	1 56.07	+28 27.6	0.469	1.230	48.4	18.6	111 E	73	35*
1 11	1 56.80	+27 17.3	0.469	1.198	52.3	18.7	106 E	72	35*
1 16	1 59.25	+26 13.9	0.468	1.166	55.9	18.7	101 E	71	36*
1 21	2 3.23	+25 16.8	0.466	1.135	59.5	18.8	96 E	70	35*
1 26	2 8.57	+24 24.9	0.462	1.104	63.0	18.8	92 E	69	35*
1 31	2 15.07	+23 36.6	0.456	1.074	66.4	18.8	88 E	69*	35*
2 5	2 22.60	+22 49.9	0.448	1.045	70.0	18.8	85 E	67*	34*
2 10	2 31.01	+22 2.9	0.437	1.017	73.5	18.8	81 E	66*	34*
2 15	2 40.16	+21 13.2	0.424	0.991	77.2	18.8	78 E	64*	34*
2 20	2 49.91	+20 18.3	0.408	0.966	81.1	18.8	75 E	61*	34*
2 25	3 0.05	+19 15.0	0.390	0.944	85.1	18.8	72 E	58*	34*
3 2	3 10.39	+17 59.7	0.370	0.924	89.3	18.8	69 E	55*	34*
3 7	3 20.72	+16 28.6	0.348	0.907	93.8	18.8	66 E	52*	35*
3 12	3 30.82	+14 37.2	0.324	0.893	98.5	18.9	63 E	48*	35*
3 17	3 40.46	+12 20.1	0.299	0.883	103.3	18.9	60 E	44*	36*
3 22	3 49.34	+ 9 31.1	0.273	0.876	108.3	19.0	57 E	39*	37*
3 27	3 57.13	+ 6 2.3	0.248	0.873	113.3	19.1	53 E	33*	38*
4 1	4 3.50	+ 1 45.2	0.223	0.874	118.1	19.2	51 E	27*	39*
4 6	4 8.14	− 3 29.4	0.200	0.880	122.1	19.2	48 E	19*	40*
4 11	4 10.76	− 9 50.6	0.180	0.889	124.8	19.2	47 E	11*	41*
4 16	4 10.98	−17 25.4	0.162	0.901	125.4	19.1	47 E	1*	40*
4 21	4 8.28	−26 14.6	0.147	0.917	123.0	18.7	50 E	—	39*
4 26	4 1.88	−36 7.4	0.137	0.936	117.3	18.2	56 E	—	36*
4 28	3 58.01	−40 17.1	0.134	0.944	114.2	17.9	59 E	—	34*
4 30	3 53.21	−44 30.7	0.132	0.953	110.7	17.7	62 E	—	33*
5 2	3 47.31	−48 45.9	0.131	0.962	106.9	17.5	66 E	—	31*
5 4	3 40.06	−53 0.2	0.130	0.971	102.9	17.3	70 E	—	29*
5 6	3 31.07	−57 11.2	0.130	0.981	98.6	17.1	74 E	—	28*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
154330 2002 VX_{94}									*(continuation)*
	h m	° ′			°	m	°	°	°
5 7	3 25.76	−59 14.7	0.130	0.986	96.4	17.0	76 E	—	27*
5 8	3 19.79	−61 16.3	0.130	0.991	94.2	16.9	78 E	—	26*
5 9	3 13.04	−63 15.9	0.130	0.996	92.0	16.8	81 E	—	25*
5 10	3 5.36	−65 12.8	0.131	1.002	89.8	16.8	83 W	—	24*
5 11	2 56.56	−67 6.9	0.132	1.007	87.6	16.7	85 W	—	26*
5 12	2 46.40	−68 57.5	0.132	1.012	85.3	16.6	87 W	—	27*
5 13	2 34.59	−70 44.1	0.133	1.018	83.1	16.6	89 W	—	29*
5 14	2 20.75	−72 25.9	0.135	1.023	80.9	16.5	92 W	—	30*
5 15	2 4.40	−74 2.0	0.136	1.029	78.6	16.5	94 W	—	31*
5 16	1 44.99	−75 31.3	0.137	1.034	76.4	16.4	96 W	—	32*
5 17	1 21.89	−76 52.1	0.139	1.040	74.3	16.4	98 W	—	33*
5 18	0 54.50	−78 2.5	0.140	1.046	72.1	16.4	100 W	—	34*
5 19	0 22.47	−79 0.1	0.142	1.051	70.0	16.3	102 W	—	35*
5 20	23 45.97	−79 42.6	0.144	1.057	67.9	16.3	105 W	—	35*
5 21	23 6.12	−80 7.6	0.146	1.063	65.8	16.3	107 W	—	35*
5 22	22 24.95	−80 14.2	0.148	1.069	63.7	16.3	109 W	—	36*
5 23	21 44.94	−80 2.7	0.150	1.075	61.7	16.2	111 W	—	36
5 24	21 8.17	−79 35.1	0.152	1.081	59.7	16.2	113 W	—	36
5 25	20 35.82	−78 54.5	0.155	1.087	57.8	16.2	115 W	—	37
5 26	20 8.13	−78 3.9	0.157	1.093	55.9	16.2	117 W	—	38
5 27	19 44.77	−77 5.9	0.160	1.099	54.0	16.2	119 W	—	39
5 28	19 25.14	−76 2.9	0.163	1.105	52.1	16.2	121 W	—	40
5 29	19 8.62	−74 56.3	0.165	1.111	50.3	16.2	122 W	—	41
5 30	18 54.64	−73 47.6	0.168	1.117	48.6	16.2	124 W	—	42
5 31	18 42.72	−72 37.5	0.172	1.123	46.9	16.2	126 W	—	43
6 1	18 32.48	−71 26.9	0.175	1.130	45.2	16.2	128 W	—	45
6 2	18 23.62	−70 16.0	0.178	1.136	43.6	16.2	129 W	—	46
6 3	18 15.89	−69 5.4	0.182	1.142	42.0	16.2	131 W	—	47
6 4	18 9.10	−67 55.3	0.185	1.148	40.4	16.2	133 W	—	48
6 5	18 3.10	−66 45.9	0.189	1.154	39.0	16.2	134 W	—	49
6 6	17 57.76	−65 37.3	0.193	1.161	37.5	16.3	136 W	—	50
6 7	17 53.00	−64 29.8	0.196	1.167	36.1	16.3	137 W	—	52
6 8	17 48.74	−63 23.3	0.201	1.173	34.8	16.3	139 W	—	53
6 9	17 44.90	−62 18.0	0.205	1.180	33.5	16.3	140 W	—	54
6 10	17 41.43	−61 13.9	0.209	1.186	32.3	16.3	141 W	—	55
6 11	17 38.30	−60 11.1	0.213	1.192	31.1	16.4	143 W	—	56
6 12	17 35.46	−59 9.5	0.218	1.199	30.0	16.4	144 W	—	57
6 13	17 32.88	−58 9.3	0.223	1.205	28.9	16.4	145 W	—	58
6 14	17 30.54	−57 10.5	0.228	1.211	27.9	16.4	146 W	—	59
6 15	17 28.42	−56 12.9	0.233	1.218	27.0	16.5	147 E	—	60
6 17	17 24.73	−54 22.0	0.243	1.230	25.3	16.5	149 E	—	62
6 19	17 21.69	−52 36.5	0.254	1.243	23.9	16.6	150 E	—	63
6 21	17 19.21	−50 56.4	0.265	1.256	22.7	16.7	151 E	—	65
6 23	17 17.20	−49 21.6	0.277	1.268	21.9	16.8	152 E	—	67
6 25	17 15.61	−47 51.9	0.289	1.281	21.2	16.9	153 E	—	68
6 27	17 14.37	−46 27.2	0.302	1.293	20.9	17.0	153 E	—	70
6 29	17 13.45	−45 7.2	0.316	1.306	20.7	17.1	153 E	—	71
7 1	17 12.82	−43 51.8	0.330	1.319	20.7	17.2	153 E	1	72
7 3	17 12.45	−42 40.8	0.345	1.331	21.0	17.3	152 E	2	73
7 5	17 12.32	−41 33.8	0.360	1.343	21.3	17.5	151 E	3	74
7 10	17 12.94	−39 3.1	0.400	1.374	22.5	17.8	149 E	6	77
7 15	17 14.72	−36 53.9	0.443	1.405	24.1	18.1	146 E	8	79
7 20	17 17.51	−35 3.2	0.489	1.435	25.7	18.4	142 E	10	81
7 25	17 21.12	−33 28.3	0.539	1.464	27.3	18.7	139 E	12	83
7 30	17 25.43	−32 6.7	0.590	1.493	28.7	19.0	135 E	13	84
8 4	17 30.35	−30 56.1	0.645	1.521	29.9	19.3	132 E	14	85
8 9	17 35.81	−29 54.8	0.702	1.549	31.0	19.5	128 E	15	86
8 14	17 41.76	−29 1.1	0.762	1.576	31.9	19.8	125 E	16	87
8 19	17 48.13	−28 13.7	0.823	1.602	32.7	20.0	121 E	17	88
8 24	17 54.87	−27 31.3	0.887	1.628	33.2	20.2	118 E	17	88
9 3	18 9.28	−26 17.7	1.019	1.678	34.0	20.6	112 E	19	90
9 13	18 24.72	−25 14.0	1.158	1.724	34.2	20.9	105 E	20	89
9 23	18 40.99	−24 15.2	1.300	1.768	34.0	21.2	99 E	21	88
10 3	18 57.86	−23 17.9	1.446	1.809	33.5	21.5	94 E	22	86*
506810 2007 RH_{32}									
12 27	2 0.52	+10 11.7	1.383	2.019	25.9	21.3	116 E	55	54
1 6	2 8.07	+11 27.5	1.516	2.048	27.1	21.6	108 E	56	52*
1 16	2 17.87	+12 48.4	1.655	2.076	27.7	21.8	101 E	58	50*
1 26	2 29.55	+14 12.0	1.799	2.105	27.8	22.0	94 E	59	46*
2 5	2 42.78	+15 36.1	1.944	2.133	27.5	22.2	87 E	61*	43*
367676 2010 JV_{81}									
12 27	2 0.60	+ 2 26.3	1.559	2.146	24.9	21.3	113 E	47	62
1 6	2 7.59	+ 3 33.8	1.702	2.177	25.8	21.5	105 E	49	60*
1 16	2 16.56	+ 4 49.3	1.849	2.207	26.2	21.7	98 E	50	57*
1 26	2 27.22	+ 6 9.8	2.000	2.237	26.1	21.9	91 E	51	53*
2 5	2 39.25	+ 7 32.4	2.151	2.267	25.6	22.1	84 E	53*	49*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	118337 1999 BQ_9								
	h m	° ′			°	m	°	°	°
12 27	2 0.90	+ 7 13.8	1.593	2.199	23.9	18.5	115 E	52	57
1 6	2 1.33	+ 9 4.5	1.674	2.160	26.0	18.7	106 E	54	54*
1 16	2 5.01	+11 3.2	1.760	2.120	27.4	18.8	97 E	56	50*
1 26	2 11.66	+13 7.9	1.847	2.081	28.2	18.9	89 E	58	45*
2 5	2 20.97	+15 16.7	1.932	2.041	28.6	18.9	82 E	60*	40*
2 15	2 32.70	+17 27.9	2.013	2.003	28.5	19.0	75 E	59*	36*
2 25	2 46.66	+19 40.0	2.089	1.964	28.1	19.0	69 E	57*	31*
3 7	3 2.69	+21 51.1	2.159	1.926	27.4	19.0	63 E	53*	28*
3 17	3 20.72	+23 59.3	2.221	1.889	26.5	19.0	58 E	49*	24*
3 27	3 40.69	+26 2.6	2.275	1.854	25.4	19.0	53 E	45*	22*
4 6	4 2.57	+27 58.5	2.322	1.819	24.3	19.0	48 E	41*	19*
4 16	4 26.35	+29 44.4	2.362	1.786	23.1	18.9	44 E	37*	17*
4 26	4 52.00	+31 17.4	2.395	1.755	21.8	18.9	40 E	33*	15*
5 6	5 19.42	+32 34.2	2.421	1.726	20.6	18.8	37 E	29*	13*
5 16	5 48.51	+33 31.7	2.443	1.699	19.4	18.8	34 E	26*	12*
5 26	6 19.04	+34 6.9	2.459	1.675	18.2	18.7	31 E	23*	11*
6 5	6 50.71	+34 16.8	2.473	1.654	17.0	18.7	29 E	20*	10*
6 15	7 23.18	+33 59.6	2.484	1.636	16.0	18.6	26 E	18*	9*
6 25	7 56.00	+33 14.1	2.493	1.621	14.9	18.6	24 E	16*	8*
7 5	8 28.76	+32 0.4	2.502	1.610	14.0	18.5	22 E	14*	7*
7 15	9 1.10	+30 19.7	2.512	1.603	13.0	18.5	21 E	13*	6*
7 25	9 32.69	+28 14.4	2.523	1.599	12.1	18.5	19 E	12*	5*
8 4	10 3.34	+25 47.5	2.536	1.600	11.2	18.4	18 E	11*	4*
8 14	10 32.95	+23 2.7	2.550	1.604	10.2	18.4	16 E	10*	2*
8 24	11 1.48	+20 4.2	2.567	1.612	9.3	18.4	15 E	9*	1*
9 3	11 28.96	+16 56.0	2.586	1.624	8.5	18.4	14 E	8*	—
9 13	11 55.49	+13 41.9	2.607	1.639	7.7	18.4	13 E	6*	—
9 23	12 21.15	+10 25.7	2.628	1.657	7.0	18.4	12 E	5*	—
10 3	12 46.06	+ 7 10.6	2.649	1.679	6.7	18.4	11 E	4*	—
10 13	13 10.34	+ 3 59.3	2.669	1.704	6.8	18.5	12 W	3*	—
10 23	13 34.05	+ 0 54.4	2.687	1.731	7.3	18.6	13 W	5*	—
11 2	13 57.31	− 2 2.5	2.702	1.760	8.3	18.7	15 W	8*	—
11 12	14 20.16	− 4 49.6	2.712	1.792	9.5	18.8	17 W	11*	—
11 22	14 42.62	− 7 26.0	2.716	1.825	11.0	18.9	21 W	14*	3*
12 2	15 4.74	− 9 50.8	2.714	1.860	12.6	19.0	24 W	17*	7*
12 12	15 26.48	−12 3.7	2.705	1.896	14.2	19.1	28 W	19*	12*
12 22	15 47.81	−14 4.6	2.687	1.933	15.9	19.1	33 W	20*	18*
1 1	16 8.68	−15 53.9	2.660	1.970	17.6	19.2	37 W	21*	24*
1 11	16 29.00	−17 32.0	2.624	2.009	19.2	19.3	42 W	21*	31*
1 21	16 48.65	−18 59.9	2.579	2.048	20.8	19.3	48 W	21*	37*
	29451 1997 RM_1								
12 27	2 1.10	+17 54.5	1.980	2.602	19.3	19.2	119 E	63	46
1 6	2 4.64	+18 1.1	2.139	2.636	20.6	19.5	110 E	63	46*
1 16	2 10.40	+18 19.0	2.305	2.670	21.2	19.7	101 E	63	44*
1 26	2 18.05	+18 46.3	2.474	2.703	21.3	19.9	93 E	64	41*
2 5	2 27.26	+19 21.0	2.644	2.735	21.0	20.0	85 E	64*	38*
2 15	2 37.79	+20 1.2	2.813	2.766	20.4	20.2	77 E	62*	34*
2 25	2 49.43	+20 44.9	2.977	2.796	19.4	20.3	70 E	58*	31*
3 7	3 1.97	+21 30.6	3.136	2.825	18.2	20.4	63 E	53*	28*
3 17	3 15.29	+22 16.9	3.286	2.854	16.8	20.5	56 E	47*	25*
3 27	3 29.26	+23 2.5	3.427	2.881	15.3	20.5	50 E	41*	22*
4 6	3 43.75	+23 46.3	3.557	2.908	13.6	20.6	43 E	35*	19*
4 16	3 58.69	+24 27.4	3.674	2.933	11.8	20.6	37 E	28*	16*
4 26	4 13.98	+25 5.0	3.779	2.958	10.0	20.6	31 E	22*	13*
5 6	4 29.53	+25 38.6	3.870	2.982	8.1	20.6	25 E	16*	9*
5 16	4 45.28	+26 7.6	3.946	3.004	6.1	20.5	19 E	11*	6*
5 26	5 1.14	+26 31.7	4.006	3.026	4.2	20.5	13 E	5*	2*
6 5	5 17.04	+26 50.6	4.051	3.047	2.4	20.4	7 E	1*	—
6 15	5 32.92	+27 4.3	4.080	3.067	1.3	20.4	4 W	—	—
6 25	5 48.67	+27 12.9	4.092	3.086	2.3	20.5	7 W	1*	—
7 5	6 4.25	+27 16.3	4.088	3.104	4.1	20.6	13 W	5*	2*
7 15	6 19.56	+27 14.9	4.068	3.121	5.9	20.7	18 W	10*	7*
7 25	6 34.52	+27 9.2	4.032	3.137	7.7	20.8	25 W	15*	11*
8 4	6 49.05	+26 59.5	3.980	3.152	9.5	20.8	31 W	21*	14*
8 14	7 3.06	+26 46.6	3.912	3.166	11.2	20.9	37 W	28*	17*
8 24	7 16.45	+26 31.2	3.830	3.179	12.7	20.9	44 W	34*	20*
9 3	7 29.11	+26 14.2	3.735	3.191	14.1	20.9	51 W	41*	23*
9 13	7 40.93	+25 56.6	3.626	3.203	15.4	20.9	58 W	48*	26*
9 23	7 51.76	+25 39.6	3.507	3.213	16.4	20.8	65 W	55*	28*
10 3	8 1.45	+25 24.3	3.379	3.222	17.2	20.8	72 W	61*	31*
10 13	8 9.81	+25 12.3	3.243	3.231	17.7	20.7	80 W	67*	33*
10 23	8 16.64	+25 4.8	3.102	3.238	17.9	20.6	89 W	70*	36*
11 2	8 21.71	+25 3.1	2.960	3.244	17.6	20.5	98 W	70	37*
11 12	8 24.75	+25 8.6	2.820	3.250	16.9	20.4	107 W	70	39*
11 22	8 25.53	+25 21.9	2.687	3.254	15.7	20.3	117 W	70	39
12 2	8 23.83	+25 43.0	2.564	3.258	13.9	20.1	127 W	71	38
12 12	8 19.55	+26 10.9	2.458	3.260	11.6	19.9	138 W	71	38
12 22	8 12.77	+26 43.0	2.373	3.262	8.7	19.7	150 W	72	37
1 1	8 3.85	+27 15.9	2.315	3.262	5.5	19.5	162 W	72	37

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	29451 1997 RM_1 *(continuation)*								
	h m	° ′			°	m	°	°	°
1 6	7 58.77	+27 31.4	2.296	3.262	3.8	19.4	167 W	73	36
1 11	7 53.44	+27 45.4	2.286	3.262	2.5	19.3	172 W	73	36
1 16	7 47.97	+27 57.6	2.283	3.262	2.1	19.3	173 E	73	36
1 21	7 42.49	+28 7.6	2.288	3.261	3.1	19.4	170 E	73	36
	509563 2008 CG_{21}								
12 27	2 1.47	+30 22.0	0.655	1.441	35.4	19.7	122 E	75	34
1 1	2 8.09	+30 26.7	0.672	1.432	37.1	19.8	119 E	75	34
1 6	2 16.07	+30 34.1	0.691	1.424	38.6	19.9	115 E	76	33*
1 11	2 25.34	+30 43.7	0.711	1.417	39.9	20.0	113 E	76	33*
1 16	2 35.80	+30 54.9	0.732	1.411	41.0	20.1	110 E	76	33*
1 21	2 47.35	+31 7.0	0.754	1.407	41.9	20.2	107 E	76	32*
1 26	2 59.90	+31 19.3	0.777	1.404	42.6	20.2	105 E	76	32*
1 31	3 13.33	+31 30.7	0.801	1.403	43.2	20.3	103 E	77	32*
2 5	3 27.53	+31 40.4	0.827	1.403	43.6	20.4	101 E	77	31*
2 10	3 42.42	+31 47.6	0.853	1.404	43.9	20.5	99 E	77	31*
2 15	3 57.90	+31 51.5	0.881	1.407	44.1	20.6	98 E	77	31*
2 20	4 13.87	+31 51.6	0.910	1.411	44.2	20.6	96 E	77	31*
2 25	4 30.22	+31 47.1	0.940	1.416	44.2	20.7	94 E	77	31*
3 2	4 46.84	+31 37.7	0.972	1.423	44.1	20.8	93 E	77*	31*
3 7	5 3.63	+31 23.0	1.005	1.431	43.9	20.9	92 E	76*	32*
3 12	5 20.50	+31 2.8	1.040	1.440	43.6	21.0	90 E	75*	32*
3 17	5 37.37	+30 37.1	1.077	1.450	43.3	21.0	89 E	74*	33*
3 22	5 54.16	+30 6.0	1.115	1.462	42.9	21.1	87 E	73*	33*
3 27	6 10.81	+29 29.5	1.155	1.474	42.5	21.2	86 E	71*	34*
4 1	6 27.23	+28 48.0	1.197	1.488	42.0	21.3	85 E	69*	35*
4 6	6 43.38	+28 1.6	1.240	1.502	41.4	21.4	84 E	67*	35*
4 11	6 59.24	+27 10.8	1.285	1.518	40.8	21.5	82 E	65*	36*
	385395 2002 VO_{14}								
12 27	2 2.12	+ 7 58.6	0.859	1.562	34.6	19.0	116 E	53	56
1 1	2 11.28	+ 6 31.9	0.907	1.570	35.4	19.1	112 E	52	57
1 6	2 20.63	+ 5 20.7	0.958	1.579	36.1	19.3	109 E	50	59*
1 11	2 30.16	+ 4 23.3	1.010	1.589	36.6	19.4	106 E	49	59*
1 16	2 39.84	+ 3 37.8	1.064	1.600	36.9	19.6	103 E	49	60*
1 21	2 49.66	+ 3 2.7	1.120	1.612	37.0	19.7	100 E	48	60*
1 26	2 59.61	+ 2 36.3	1.177	1.624	37.0	19.8	97 E	48	60*
1 31	3 9.66	+ 2 17.3	1.235	1.638	36.8	19.9	94 E	47	59*
2 5	3 19.80	+ 2 4.4	1.293	1.652	36.6	20.0	92 E	47	59*
2 10	3 30.03	+ 1 56.6	1.352	1.667	36.3	20.1	89 E	47	58*
2 15	3 40.35	+ 1 53.0	1.412	1.682	35.9	20.2	87 E	47	58*
2 20	3 50.76	+ 1 52.5	1.472	1.698	35.4	20.3	85 E	47*	57*
2 25	4 1.23	+ 1 54.5	1.533	1.715	34.9	20.4	83 E	46*	57*
3 7	4 22.34	+ 2 3.2	1.654	1.749	33.8	20.6	78 E	45*	55*
3 17	4 43.66	+ 2 14.5	1.775	1.786	32.4	20.8	74 E	43*	54*
3 27	5 5.15	+ 2 24.9	1.896	1.824	31.0	20.9	70 E	40*	53*
4 6	5 26.72	+ 2 31.6	2.016	1.863	29.6	21.1	67 E	36*	51*
4 16	5 48.33	+ 2 32.6	2.135	1.903	28.0	21.2	63 E	31*	50*
4 26	6 9.92	+ 2 26.3	2.253	1.944	26.5	21.3	59 E	27*	49*
5 6	6 31.40	+ 2 11.7	2.368	1.985	24.9	21.4	56 E	21*	47*
	30512 2001 HO_8								
12 27	2 3.70	−17 26.5	4.138	4.488	12.2	19.8	105 E	28	81
1 6	2 3.71	−16 24.7	4.254	4.467	12.6	19.8	96 E	29	79*
1 16	2 5.19	−15 16.0	4.374	4.446	12.8	19.9	88 E	30	73*
1 26	2 8.06	−14 2.5	4.493	4.424	12.6	19.9	80 E	31	65*
2 5	2 12.19	−12 46.1	4.609	4.402	12.3	20.0	72 E	32*	58*
2 15	2 17.47	−11 28.4	4.717	4.380	11.7	20.0	64 E	31*	52*
2 25	2 23.76	−10 10.7	4.817	4.357	11.0	20.0	57 E	28*	46*
3 7	2 30.94	− 8 54.2	4.905	4.334	10.1	20.0	50 E	24*	41*
3 17	2 38.89	− 7 39.6	4.980	4.311	9.1	20.0	43 E	19*	35*
3 27	2 47.50	− 6 27.9	5.040	4.287	8.1	19.9	37 E	13*	30*
4 6	2 56.68	− 5 19.8	5.084	4.263	7.0	19.9	32 E	6*	25*
4 16	3 6.34	− 4 15.8	5.113	4.239	6.1	19.9	27 E	—	20*
4 26	3 16.38	− 3 16.6	5.124	4.215	5.3	19.8	23 E	—	15*
5 6	3 26.73	− 2 22.5	5.118	4.190	4.9	19.8	21 E	—	10*
5 16	3 37.32	− 1 34.1	5.096	4.165	4.9	19.7	21 E	—	4*
5 26	3 48.06	− 0 51.6	5.056	4.139	5.4	19.7	23 W	—	9*
6 5	3 58.88	− 0 15.5	5.000	4.114	6.2	19.7	26 W	—	16*
6 15	4 9.71	+ 0 13.9	4.928	4.088	7.3	19.8	31 W	—	23*
6 25	4 20.45	+ 0 36.4	4.841	4.061	8.4	19.8	36 W	—	29*
7 5	4 31.03	+ 0 51.9	4.740	4.035	9.6	19.7	42 W	1*	35*
7 15	4 41.34	+ 1 0.1	4.625	4.008	10.8	19.7	47 W	8*	41*
7 25	4 51.28	+ 1 0.9	4.498	3.981	11.9	19.7	54 W	15*	46*
8 4	5 0.74	+ 0 54.5	4.361	3.954	12.9	19.6	60 W	22*	51*
8 14	5 9.57	+ 0 40.8	4.214	3.926	13.7	19.6	67 W	29*	55*
8 24	5 17.65	+ 0 20.2	4.060	3.898	14.4	19.5	74 W	35*	59*
9 3	5 24.81	− 0 6.9	3.901	3.870	14.9	19.4	81 W	39*	62*
9 13	5 30.87	− 0 39.8	3.738	3.842	15.2	19.3	88 W	43*	64*
9 23	5 35.65	− 1 17.5	3.576	3.814	15.2	19.2	96 W	44*	65*
10 3	5 38.97	− 1 58.7	3.416	3.785	14.9	19.1	104 W	43	66

30512 2001 HO_8 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
10 13	5 40.64	− 2 41.6	3.263	3.756	14.2	18.9	112 W	42	67
10 23	5 40.51	− 3 23.7	3.119	3.727	13.3	18.8	121 W	42	67
11 2	5 38.52	− 4 2.0	2.989	3.698	12.0	18.6	129 W	41	68
11 12	5 34.67	− 4 33.0	2.876	3.669	10.5	18.5	138 W	40	69
11 22	5 29.16	− 4 52.9	2.785	3.639	8.9	18.3	145 W	40	69
12 2	5 22.33	− 4 58.3	2.719	3.610	7.7	18.2	150 W	40	69
12 12	5 14.71	− 4 46.4	2.680	3.580	7.4	18.1	152 E	40	69
12 22	5 6.98	− 4 16.1	2.668	3.550	8.1	18.2	149 E	41	68
1 1	4 59.80	− 3 27.8	2.684	3.521	9.6	18.2	143 E	42	67
1 11	4 53.81	− 2 23.7	2.724	3.491	11.5	18.3	135 E	43	66
1 21	4 49.47	− 1 7.1	2.786	3.461	13.3	18.4	126 E	44	65

173444 2000 LG_3

12 27	2 3.82	+45 13.6	1.457	2.163	22.2	19.0	124 E	90	19
1 1	2 8.29	+43 49.3	1.511	2.179	22.9	19.1	120 E	89	20
1 6	2 13.44	+42 31.2	1.568	2.195	23.6	19.2	117 E	88	21*
1 11	2 19.17	+41 19.3	1.629	2.211	24.1	19.3	113 E	86	22*
1 16	2 25.43	+40 13.7	1.693	2.227	24.6	19.4	110 E	85	23*
1 21	2 32.14	+39 14.1	1.759	2.243	24.9	19.5	106 E	84	24*
1 26	2 39.23	+38 20.3	1.828	2.258	25.2	19.6	103 E	83	24*
2 5	2 54.36	+36 48.2	1.970	2.288	25.4	19.8	96 E	82	24*
2 15	3 10.52	+35 33.7	2.118	2.318	25.2	20.0	89 E	79*	24*
2 25	3 27.47	+34 33.2	2.268	2.348	24.7	20.2	82 E	74*	24*
3 7	3 44.98	+33 43.1	2.418	2.376	23.9	20.3	76 E	68*	24*
3 17	4 2.93	+33 0.1	2.567	2.404	22.8	20.4	69 E	62*	23*
3 27	4 21.19	+32 21.7	2.712	2.431	21.5	20.5	63 E	56*	22*
4 6	4 39.65	+31 45.4	2.852	2.457	20.0	20.6	57 E	49*	22*
4 16	4 58.22	+31 9.4	2.985	2.483	18.4	20.7	51 E	43*	21*
4 26	5 16.82	+30 32.0	3.109	2.508	16.6	20.7	45 E	37*	19*
5 6	5 35.36	+29 52.2	3.224	2.531	14.7	20.8	40 E	30*	18*
5 16	5 53.79	+29 8.8	3.329	2.554	12.8	20.8	34 E	24*	16*
5 26	6 12.04	+28 21.3	3.422	2.576	10.8	20.8	28 E	18*	13*
6 5	6 30.05	+27 29.2	3.503	2.597	8.7	20.8	23 E	12*	11*
6 15	6 47.78	+26 32.0	3.570	2.617	6.6	20.8	17 E	7*	7*
6 25	7 5.18	+25 29.8	3.624	2.637	4.5	20.7	12 E	3*	3*
7 5	7 22.19	+24 22.4	3.664	2.655	2.4	20.6	6 E	—	—
7 15	7 38.81	+23 9.9	3.688	2.672	0.6	20.5	2 E	—	—
7 25	7 54.97	+21 52.4	3.698	2.689	2.1	20.6	6 W	—	—
8 4	8 10.66	+20 30.2	3.692	2.704	4.2	20.8	11 W	3*	2*
8 14	8 25.84	+19 3.5	3.671	2.718	6.2	20.9	17 W	8*	6*
8 24	8 40.47	+17 32.6	3.635	2.732	8.3	21.0	23 W	14*	10*
9 3	8 54.51	+15 57.9	3.584	2.744	10.2	21.0	29 W	20*	14*
9 13	9 7.92	+14 19.8	3.518	2.755	12.1	21.1	35 W	25*	18*
9 23	9 20.62	+12 38.6	3.438	2.766	13.9	21.1	41 W	31*	23*
10 3	9 32.57	+10 54.9	3.345	2.775	15.5	21.1	48 W	36*	27*
10 13	9 43.65	+ 9 8.9	3.240	2.784	17.0	21.1	55 W	41*	31*
10 23	9 53.76	+ 7 21.5	3.124	2.791	18.3	21.0	62 W	45*	36*
11 2	10 2.77	+ 5 32.9	2.998	2.797	19.3	21.0	69 W	48*	42*
11 12	10 10.48	+ 3 44.1	2.865	2.803	20.1	20.9	76 W	48*	47*
11 22	10 16.71	+ 1 55.8	2.727	2.807	20.5	20.8	84 W	47	53*
12 2	10 21.20	+ 0 9.1	2.587	2.810	20.5	20.7	93 W	45	60*
12 12	10 23.68	− 1 34.5	2.448	2.813	20.1	20.6	101 W	43	65*
12 22	10 23.86	− 3 13.2	2.313	2.814	19.1	20.4	111 W	42	67
1 1	10 21.50	− 4 44.5	2.188	2.814	17.6	20.3	120 W	40	69
1 11	10 16.44	− 6 5.1	2.076	2.813	15.5	20.1	130 W	39	70
1 21	10 8.71	− 7 11.2	1.983	2.812	12.9	19.9	140 W	38	71

248590 2006 *CS*

12 27	2 3.95	−60 50.2	1.266	1.477	41.1	19.5	81 E	—	55
1 1	2 0.43	−60 18.2	1.243	1.428	42.5	19.4	79 E	—	56*
1 6	1 58.55	−59 38.1	1.216	1.379	44.0	19.3	77 E	—	56*
1 11	1 58.30	−58 50.6	1.185	1.330	45.6	19.2	75 E	—	56*
1 16	1 59.63	−57 56.4	1.149	1.282	47.3	19.1	73 E	—	56*
1 21	2 2.47	−56 55.4	1.109	1.235	49.3	19.0	72 E	—	56*
1 26	2 6.72	−55 47.2	1.063	1.189	51.5	18.9	71 E	—	56*
1 31	2 12.29	−54 30.9	1.012	1.144	54.0	18.8	70 E	—	56*
2 5	2 19.10	−53 4.3	0.956	1.101	56.8	18.7	69 E	—	55*
2 10	2 27.09	−51 24.6	0.895	1.060	59.9	18.5	68 E	—	55*
2 15	2 36.18	−49 27.5	0.830	1.021	63.5	18.4	68 E	—	56*
2 20	2 46.31	−47 6.7	0.760	0.986	67.5	18.3	67 E	—	56*
2 25	2 57.38	−44 12.4	0.686	0.955	72.1	18.1	67 E	—	56*
2 27	3 2.05	−42 50.3	0.656	0.944	74.0	18.0	66 E	—	57*
3 1	3 6.86	−41 19.3	0.626	0.934	76.0	18.0	66 E	1*	57*
3 3	3 11.80	−39 37.9	0.595	0.924	78.2	17.9	66 E	2*	57*
3 5	3 16.86	−37 44.3	0.565	0.915	80.4	17.9	65 E	3*	57*
3 7	3 22.06	−35 36.5	0.534	0.908	82.6	17.8	65 E	5*	58*
3 9	3 27.38	−33 11.8	0.504	0.901	85.0	17.8	65 E	7*	58*
3 11	3 32.83	−30 27.6	0.475	0.895	87.4	17.7	64 E	9*	58*
3 13	3 38.41	−27 20.3	0.446	0.890	89.8	17.7	64 E	11*	57*
3 15	3 44.13	−23 46.3	0.419	0.886	92.3	17.6	63 E	14*	57*
3 17	3 49.99	−19 41.6	0.393	0.883	94.7	17.6	62 E	17*	56*

248590 2006 *CS* *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 19	3 56.01	−15 2.4	0.369	0.881	97.0	17.5	61 E	21*	54*
3 21	4 2.19	− 9 45.7	0.348	0.880	99.1	17.5	61 E	25*	52*
3 23	4 8.56	− 3 50.4	0.330	0.880	100.9	17.5	60 E	30*	49*
3 25	4 15.15	+ 2 41.7	0.316	0.882	102.2	17.5	60 E	35*	45*
3 27	4 21.98	+ 9 44.3	0.306	0.884	102.8	17.4	60 E	40*	40*
3 28	4 25.50	+13 23.7	0.303	0.886	102.9	17.4	60 E	43*	38*
3 29	4 29.10	+17 6.4	0.301	0.888	102.8	17.4	60 E	45*	35*
3 30	4 32.79	+20 50.4	0.301	0.890	102.4	17.4	60 E	48*	32*
3 31	4 36.57	+24 33.7	0.301	0.892	101.9	17.4	61 E	50*	29*
4 1	4 40.45	+28 14.3	0.303	0.895	101.2	17.4	61 E	52*	26*
4 2	4 44.44	+31 50.4	0.307	0.898	100.4	17.3	62 E	54*	23*
4 3	4 48.57	+35 20.5	0.311	0.901	99.4	17.3	63 E	56*	21*
4 4	4 52.82	+38 43.0	0.317	0.904	98.3	17.3	63 E	57*	18*
4 5	4 57.23	+41 57.1	0.323	0.908	97.1	17.3	64 E	58*	15*
4 6	5 1.81	+45 1.9	0.331	0.911	95.8	17.3	65 E	59*	13*
4 8	5 11.52	+50 42.2	0.349	0.920	93.1	17.3	67 E	60*	8*
4 10	5 22.12	+55 42.9	0.369	0.929	90.4	17.4	68 E	60*	4*
4 12	5 33.78	+60 5.7	0.392	0.939	87.6	17.4	69 E	60*	1*
4 14	5 46.73	+63 53.7	0.417	0.950	84.9	17.5	71 E	59*	—
4 16	6 1.21	+67 10.4	0.443	0.961	82.3	17.5	72 E	59*	—
4 17	6 9.12	+68 38.1	0.457	0.967	81.1	17.6	72 E	58*	—
4 18	6 17.53	+69 59.2	0.471	0.974	79.9	17.6	73 E	58*	—
4 19	6 26.46	+71 14.1	0.484	0.980	78.7	17.6	73 E	57*	—
4 20	6 35.98	+72 23.2	0.499	0.986	77.5	17.7	73 E	57*	—
4 21	6 46.10	+73 26.7	0.513	0.993	76.4	17.7	74 E	57*	—
4 22	6 56.87	+74 24.8	0.527	1.000	75.3	17.7	74 E	56*	—
4 23	7 8.32	+75 17.8	0.541	1.007	74.2	17.8	75 E	56*	—
4 24	7 20.46	+76 6.0	0.556	1.014	73.2	17.8	75 E	56*	—
4 25	7 33.31	+76 49.4	0.570	1.021	72.2	17.9	75 E	56*	—
4 26	7 46.85	+77 28.2	0.584	1.029	71.2	17.9	75 E	55*	—
4 27	8 1.07	+78 2.5	0.599	1.036	70.2	17.9	76 E	55*	—
4 28	8 15.91	+78 32.5	0.613	1.044	69.3	18.0	76 E	55*	—
4 29	8 31.29	+78 58.3	0.628	1.052	68.4	18.0	76 E	55*	—
4 30	8 47.13	+79 19.9	0.642	1.060	67.5	18.0	76 E	55*	—
5 1	9 3.30	+79 37.6	0.656	1.068	66.6	18.1	77 E	55*	—
5 2	9 19.65	+79 51.5	0.670	1.076	65.8	18.1	77 E	55*	—
5 3	9 36.05	+80 1.7	0.685	1.084	65.0	18.2	77 E	55*	—
5 4	9 52.33	+80 8.5	0.699	1.092	64.2	18.2	77 E	55*	—
5 5	10 8.35	+80 12.2	0.713	1.101	63.4	18.2	77 E	55*	—
5 6	10 23.97	+80 12.8	0.727	1.109	62.6	18.3	78 E	55*	—
5 7	10 39.08	+80 10.8	0.741	1.118	61.9	18.3	78 E	55*	—
5 8	10 53.60	+80 6.3	0.755	1.126	61.2	18.3	78 E	55	—
5 9	11 7.45	+79 59.5	0.768	1.135	60.5	18.4	78 E	55	—
5 10	11 20.60	+79 50.8	0.782	1.144	59.8	18.4	78 E	55	—
5 11	11 33.02	+79 40.3	0.796	1.153	59.1	18.4	78 E	55	—
5 12	11 44.72	+79 28.3	0.809	1.162	58.4	18.5	79 E	56	—
5 13	11 55.72	+79 14.9	0.823	1.171	57.8	18.5	79 E	56	—
5 14	12 6.02	+79 0.4	0.836	1.180	57.2	18.5	79 E	56	—
5 15	12 15.68	+78 44.8	0.849	1.189	56.6	18.6	79 E	56	—
5 16	12 24.71	+78 28.3	0.862	1.198	56.0	18.6	79 E	57	—
5 17	12 33.17	+78 10.9	0.875	1.207	55.4	18.6	79 E	57	—
5 18	12 41.08	+77 53.0	0.888	1.216	54.8	18.7	79 E	57	—
5 19	12 48.50	+77 34.4	0.901	1.226	54.2	18.7	79 E	57	—
5 20	12 55.45	+77 15.2	0.914	1.235	53.7	18.7	80 E	58	—
5 21	13 1.98	+76 55.6	0.926	1.244	53.2	18.8	80 E	58	—
5 22	13 8.11	+76 35.6	0.939	1.254	52.6	18.8	80 E	58	—
5 23	13 13.89	+76 15.3	0.951	1.263	52.1	18.8	80 E	59	—
5 24	13 19.33	+75 54.6	0.963	1.273	51.6	18.8	80 E	59	—
5 25	13 24.47	+75 33.6	0.976	1.282	51.1	18.9	80 E	59	—
5 26	13 29.33	+75 12.4	0.988	1.292	50.6	18.9	80 E	60	—
5 27	13 33.93	+74 50.9	1.000	1.301	50.2	18.9	81 E	60	—
5 28	13 38.29	+74 29.2	1.012	1.311	49.7	19.0	81 E	61	—
5 29	13 42.44	+74 7.3	1.023	1.321	49.3	19.0	81 E	61	—
5 30	13 46.39	+73 45.2	1.035	1.330	48.8	19.0	81 E	61	—
5 31	13 50.16	+73 22.9	1.047	1.340	48.4	19.1	81 E	62	—
6 1	13 53.76	+73 0.5	1.058	1.350	47.9	19.1	81 E	62	—
6 2	13 57.20	+72 37.9	1.070	1.359	47.5	19.1	81 E	62	—
6 3	14 0.50	+72 15.1	1.081	1.369	47.1	19.1	82 E	63	—
6 4	14 3.67	+71 52.2	1.093	1.379	46.7	19.2	82 E	63	—
6 5	14 6.72	+71 29.2	1.104	1.389	46.3	19.2	82 E	64	—
6 7	14 12.49	+70 42.7	1.126	1.408	45.5	19.2	82 E	64	—
6 9	14 17.89	+69 55.6	1.148	1.428	44.8	19.3	82 E	65	—
6 11	14 22.96	+69 8.1	1.170	1.447	44.1	19.3	83 E	66	—
6 13	14 27.75	+68 20.1	1.191	1.467	43.4	19.4	83 E	67	—
6 15	14 32.30	+67 31.7	1.212	1.487	42.7	19.4	83 E	67	—
6 17	14 36.65	+66 42.8	1.233	1.506	42.1	19.5	84 E	68	—
6 19	14 40.83	+65 53.5	1.254	1.526	41.4	19.5	84 E	69	—
6 21	14 44.85	+65 3.9	1.274	1.546	40.8	19.6	84 E	70	—
6 23	14 48.74	+64 13.9	1.295	1.565	40.3	19.6	84 E	71	—
6 25	14 52.51	+63 23.5	1.315	1.585	39.7	19.7	85 E	72	1

248590 2006 *CS* (*continuation*)

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
6 30	15 1.52	+61 16.1	1.365	1.634	38.3	19.8	85 E	74	3
7 5	15 10.08	+59 6.8	1.415	1.682	37.1	19.9	86 E	76*	5
7 10	15 18.34	+56 56.0	1.465	1.731	35.9	20.0	86 E	78*	7
7 15	15 26.40	+54 44.0	1.515	1.779	34.8	20.1	87 E	79*	9
7 20	15 34.32	+52 31.4	1.565	1.826	33.8	20.2	87 E	81*	11
7 25	15 42.16	+50 18.9	1.617	1.873	32.8	20.3	88 E	82*	14
7 30	15 49.94	+48 6.7	1.669	1.920	31.9	20.4	88 E	82*	16
8 4	15 57.69	+45 55.5	1.723	1.966	31.0	20.5	88 E	81*	18
8 9	16 5.43	+43 45.7	1.778	2.012	30.2	20.6	88 E	80*	20
8 14	16 13.18	+41 37.9	1.835	2.058	29.5	20.7	88 E	79*	22
8 19	16 20.95	+39 32.6	1.894	2.103	28.7	20.8	87 E	77*	24
8 24	16 28.74	+37 30.4	1.955	2.147	28.0	20.9	87 E	76*	26
8 29	16 36.55	+35 31.6	2.018	2.191	27.4	21.0	86 E	74*	28*
9 3	16 44.38	+33 36.6	2.082	2.235	26.7	21.0	85 E	72*	30*
9 8	16 52.24	+31 45.7	2.149	2.277	26.1	21.1	84 E	71*	32*
9 13	17 0.13	+29 59.2	2.218	2.320	25.5	21.2	83 E	69*	33*
9 18	17 8.04	+28 17.5	2.288	2.362	24.9	21.3	82 E	68*	34*
9 23	17 15.97	+26 40.6	2.361	2.403	24.3	21.4	80 E	66*	35*
9 28	17 23.91	+25 8.8	2.435	2.444	23.7	21.5	79 E	64*	35*

414586 2009 UV_{18}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	2 4.25	+ 6 17.0	1.288	1.929	27.4	19.2	116 E	51	58
1 6	2 4.28	+ 7 26.1	1.321	1.850	30.7	19.3	106 E	52	56*
1 16	2 8.27	+ 8 54.8	1.356	1.772	33.4	19.3	97 E	54	53*
1 26	2 16.07	+10 40.3	1.388	1.694	35.5	19.3	89 E	56	48*
2 5	2 27.45	+12 39.7	1.416	1.617	37.2	19.3	83 E	57*	43*
2 15	2 42.26	+14 50.1	1.438	1.543	38.5	19.3	77 E	58*	39*
2 25	3 0.46	+17 8.4	1.451	1.471	39.6	19.2	71 E	56*	35*
3 7	3 22.04	+19 30.5	1.457	1.403	40.5	19.1	67 E	54*	32*
3 17	3 47.13	+21 51.9	1.456	1.341	41.4	19.1	63 E	52*	30*
3 27	4 15.87	+24 6.5	1.448	1.286	42.3	19.0	60 E	50*	28*
4 6	4 48.37	+26 6.4	1.436	1.239	43.1	18.9	58 E	48*	27*
4 11	5 6.05	+26 58.0	1.429	1.220	43.6	18.9	57 E	47*	27*
4 16	5 24.66	+27 42.2	1.422	1.203	44.0	18.9	56 E	46*	27*
4 21	5 44.16	+28 17.8	1.415	1.189	44.3	18.8	56 E	45*	27*
4 26	6 4.48	+28 43.4	1.409	1.179	44.7	18.8	55 E	44*	27*
5 1	6 25.52	+28 57.6	1.403	1.171	45.0	18.8	55 E	43*	27*
5 6	6 47.17	+28 59.4	1.399	1.167	45.2	18.8	55 E	42*	28*
5 11	7 9.29	+28 47.8	1.397	1.167	45.3	18.8	55 E	41*	29*
5 16	7 31.72	+28 22.2	1.397	1.170	45.3	18.8	55 E	40*	30*
5 21	7 54.27	+27 42.5	1.399	1.176	45.3	18.8	56 E	39*	31*
5 26	8 16.76	+26 48.8	1.405	1.185	45.1	18.8	56 E	38*	32*
5 31	8 39.02	+25 41.7	1.414	1.198	44.7	18.9	56 E	37*	33*
6 5	9 0.91	+24 22.2	1.426	1.214	44.3	18.9	57 E	36*	35*
6 10	9 22.32	+22 51.7	1.443	1.233	43.7	18.9	57 E	35*	36*
6 15	9 43.13	+21 11.8	1.463	1.254	43.0	19.0	57 E	33*	38*
6 20	10 3.30	+19 24.1	1.488	1.278	42.3	19.0	58 E	32*	39*
6 25	10 22.76	+17 30.5	1.517	1.304	41.4	19.1	58 E	30*	41*
6 30	10 41.51	+15 32.7	1.551	1.332	40.4	19.2	58 E	29*	42*
7 5	10 59.56	+13 32.2	1.588	1.361	39.4	19.2	58 E	27*	44*
7 10	11 16.93	+11 30.7	1.630	1.393	38.3	19.3	58 E	26*	45*
7 15	11 33.65	+ 9 29.4	1.675	1.426	37.2	19.4	58 E	25*	46*
7 20	11 49.75	+ 7 29.3	1.725	1.460	36.0	19.5	58 E	23*	47*
7 25	12 5.28	+ 5 31.5	1.777	1.495	34.8	19.6	57 E	22*	47*
7 30	12 20.27	+ 3 36.7	1.833	1.531	33.6	19.6	57 E	21*	47*
8 4	12 34.78	+ 1 45.3	1.892	1.567	32.4	19.7	56 E	20*	47*
8 14	13 2.51	− 1 45.6	2.018	1.643	30.0	19.9	54 E	18*	47*
8 24	13 28.77	− 4 59.0	2.152	1.720	27.5	20.1	52 E	16*	45*
9 3	13 53.82	− 7 54.3	2.292	1.798	25.0	20.2	49 E	15*	42*
9 13	14 17.90	−10 31.9	2.436	1.877	22.6	20.4	46 E	13*	39*
9 23	14 41.16	−12 52.0	2.581	1.955	20.1	20.5	42 E	12*	36*
10 3	15 3.74	−14 55.7	2.726	2.034	17.7	20.6	38 E	11*	32*
10 13	15 25.74	−16 43.7	2.867	2.112	15.2	20.8	34 E	9*	27*
10 23	15 47.20	−18 17.0	3.004	2.190	12.8	20.8	29 E	8*	23*
11 2	16 8.18	−19 36.3	3.133	2.266	10.4	20.9	24 E	6*	18*
11 12	16 28.69	−20 42.7	3.254	2.342	8.0	21.0	19 E	4*	12*
11 22	16 48.71	−21 36.8	3.364	2.417	5.6	21.0	14 E	2*	7*
12 2	17 8.22	−22 19.7	3.462	2.491	3.3	21.0	8 E	—	1*
12 12	17 27.18	−22 52.1	3.547	2.563	1.0	20.9	3 E	—	—
12 22	17 45.54	−23 15.1	3.616	2.635	1.3	21.1	3 W	—	—
1 1	18 3.25	−23 29.6	3.670	2.705	3.4	21.3	9 W	—	2*

163364 2002 OD_{20}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	2 4.29	+13 3.9	0.418	1.237	44.6	19.1	118 E	58	51
1 6	2 1.91	+11 14.8	0.426	1.178	53.1	19.2	107 E	56	52*
1 16	2 5.78	+10 2.1	0.429	1.120	60.7	19.4	97 E	55	51*
1 26	2 14.63	+ 9 16.3	0.426	1.063	67.8	19.5	89 E	54	49*
1 31	2 20.48	+ 8 59.3	0.420	1.036	71.3	19.5	85 E	54	48*
2 5	2 27.04	+ 8 44.1	0.412	1.009	75.0	19.5	81 E	54*	47*
2 10	2 34.18	+ 8 29.2	0.402	0.984	78.7	19.5	78 E	53*	45*

163364 2002 OD_{20} (*continuation*)

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
2 15	2 41.73	+ 8 12.7	0.389	0.960	82.6	19.5	74 E	51*	44*
2 20	2 49.47	+ 7 52.8	0.373	0.938	86.6	19.6	71 E	50*	43*
2 25	2 57.17	+ 7 27.4	0.354	0.918	91.0	19.6	68 E	47*	42*
3 2	3 4.53	+ 6 54.2	0.334	0.901	95.7	19.6	65 E	45*	41*
3 7	3 11.24	+ 6 11.1	0.311	0.886	100.7	19.7	61 E	42*	40*
3 12	3 16.95	+ 5 15.6	0.287	0.875	106.1	19.7	58 E	38*	39*
3 17	3 21.19	+ 4 4.6	0.262	0.867	112.0	19.9	54 E	34*	38*
3 22	3 23.35	+ 2 34.6	0.236	0.863	118.3	20.1	50 E	29*	37*
3 27	3 22.68	+ 0 40.9	0.210	0.862	125.1	20.4	45 E	24*	34*
4 1	3 18.22	− 1 41.1	0.186	0.865	132.4	20.8	40 E	17*	32*
4 6	3 8.84	− 4 36.5	0.162	0.871	139.9	21.4	34 E	9*	28*

259517 2003 TM_{13}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	2 4.67	+16 27.2	1.531	2.187	23.1	20.7	119 E	61	48
1 6	2 9.95	+17 16.3	1.674	2.218	24.5	21.0	111 E	62	47*
1 16	2 17.71	+18 12.1	1.823	2.250	25.3	21.2	102 E	63	44*
1 26	2 27.55	+19 12.8	1.977	2.281	25.5	21.4	95 E	64	41*
2 5	2 39.10	+20 16.6	2.132	2.311	25.2	21.6	88 E	65*	38*

317350 2002 LV_{38}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	2 5.58	+ 8 55.3	1.833	2.441	21.1	21.3	117 E	54	55
1 6	2 9.99	+ 9 21.2	1.985	2.471	22.3	21.5	108 E	54	54*
1 16	2 16.54	+ 9 58.5	2.143	2.501	22.8	21.7	99 E	55	52*
1 26	2 24.90	+10 44.3	2.305	2.529	22.9	21.9	91 E	56	49*
2 5	2 34.77	+11 36.1	2.467	2.557	22.5	22.1	84 E	57*	45*

85867 1999 BY_9

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	2 5.63	+13 7.1	1.315	1.981	25.9	21.4	118 E	58	51
1 6	2 8.18	+13 14.1	1.393	1.946	28.6	21.5	109 E	58	51*
1 16	2 14.24	+13 39.6	1.474	1.911	30.5	21.7	100 E	59	49*
1 26	2 23.43	+14 20.7	1.555	1.874	31.7	21.8	92 E	59	46*
2 5	2 35.35	+15 13.6	1.634	1.836	32.4	21.9	85 E	60*	42*

512 Taurinensis

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	2 5.66	+ 2 7.8	1.198	1.835	29.3	13.8	114 E	47	62
1 6	2 15.19	+ 4 28.3	1.317	1.863	30.3	14.1	107 E	49	59*
1 16	2 26.84	+ 6 46.9	1.442	1.891	30.7	14.3	101 E	52	56*
1 26	2 40.26	+ 9 1.2	1.573	1.920	30.7	14.5	95 E	54	52*
2 5	2 55.14	+11 9.3	1.708	1.950	30.4	14.7	89 E	56	48*
2 15	3 11.24	+13 9.8	1.845	1.980	29.7	14.9	83 E	58*	44*
2 25	3 28.38	+15 1.8	1.983	2.011	28.7	15.1	77 E	57*	41*
3 7	3 46.38	+16 44.0	2.120	2.041	27.5	15.2	72 E	55*	38*
3 17	4 5.12	+18 15.9	2.256	2.072	26.1	15.3	67 E	52*	35*
3 27	4 24.47	+19 36.9	2.390	2.102	24.6	15.4	61 E	48*	33*
4 6	4 44.29	+20 46.3	2.520	2.132	23.0	15.5	56 E	43*	31*
4 16	5 4.51	+21 43.9	2.645	2.162	21.2	15.6	51 E	38*	29*
4 26	5 25.00	+22 29.6	2.764	2.192	19.4	15.7	46 E	33*	27*
5 6	5 45.65	+23 3.3	2.877	2.221	17.4	15.7	41 E	28*	24*
5 16	6 6.39	+23 25.1	2.982	2.250	15.5	15.8	36 E	22*	22*
5 26	6 27.11	+23 35.4	3.079	2.278	13.4	15.8	32 E	17*	19*
6 5	6 47.72	+23 34.6	3.168	2.306	11.4	15.8	27 E	12*	16*
6 15	7 8.15	+23 23.3	3.246	2.333	9.3	15.8	22 E	8*	13*
6 25	7 28.33	+23 2.0	3.314	2.360	7.2	15.8	17 E	4*	9*
7 5	7 48.21	+22 31.5	3.370	2.385	5.1	15.8	12 E	1*	5*
7 15	8 7.73	+21 52.8	3.416	2.410	3.0	15.7	7 E	—	—
7 25	8 26.84	+21 6.6	3.449	2.435	1.1	15.6	3 E	—	—
8 4	8 45.53	+20 14.0	3.469	2.458	1.6	15.7	4 W	—	—
8 14	9 3.77	+19 15.9	3.477	2.481	3.5	15.8	9 W	2*	—
8 24	9 21.53	+18 13.5	3.472	2.502	5.6	15.9	14 W	7*	2*
9 3	9 38.80	+17 7.7	3.453	2.523	7.6	16.0	19 W	13*	5*
9 13	9 55.56	+15 59.7	3.421	2.543	9.6	16.1	25 W	18*	8*
9 23	10 11.78	+14 50.7	3.376	2.563	11.5	16.2	30 W	23*	11*
10 3	10 27.44	+13 41.9	3.318	2.581	13.3	16.2	36 W	29*	14*
10 13	10 42.51	+12 34.4	3.247	2.598	15.0	16.3	42 W	34*	18*
10 23	10 56.92	+11 29.8	3.164	2.615	16.6	16.3	49 W	40*	21*
11 2	11 10.62	+10 29.4	3.069	2.630	18.0	16.3	55 W	45*	25*
11 12	11 23.51	+ 9 34.6	2.964	2.645	19.3	16.2	62 W	49*	30*
11 22	11 35.48	+ 8 47.3	2.851	2.658	20.3	16.2	69 W	52*	35*
12 2	11 46.39	+ 8 9.1	2.729	2.671	21.0	16.1	76 W	53*	40*
12 12	11 56.05	+ 7 41.9	2.602	2.683	21.4	16.1	84 W	53	46*
12 22	12 4.24	+ 7 27.6	2.472	2.693	21.4	16.0	92 W	52	51*
1 1	12 10.71	+ 7 28.1	2.342	2.703	20.9	15.8	101 W	52	55*
1 11	12 15.17	+ 7 45.1	2.216	2.712	20.0	15.7	110 W	53	56*
1 21	12 17.34	+ 8 19.6	2.096	2.719	18.4	15.5	120 W	53	56

99967 1979 OG_8

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	2 6.66	−19 46.2	1.179	1.708	34.0	18.4	104 E	25	84
1 1	2 12.66	−17 30.6	1.224	1.722	34.0	18.5	102 E	27	82
1 6	2 19.08	−15 16.2	1.272	1.737	33.9	18.6	100 E	30	79*
1 11	2 25.87	−13 3.8	1.322	1.752	33.8	18.7	98 E	32	76*
1 16	2 33.01	−10 54.1	1.374	1.768	33.6	18.8	96 E	34	73*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
					(continuation)				
	99967 1979 OG_8								
	h m	° ′			°	m	°	°	°
1 26	2 48.23	− 6 44.5	1.485	1.801	33.1	19.0	91 E	38	67*
2 5	3 4.51	− 2 51.0	1.602	1.835	32.4	19.2	87 E	42	61*
2 15	3 21.68	+ 0 44.7	1.726	1.871	31.5	19.4	82 E	46*	56*
2 25	3 39.63	+ 4 1.4	1.856	1.908	30.5	19.6	78 E	48*	52*
3 7	3 58.21	+ 6 58.5	1.988	1.946	29.2	19.7	73 E	48*	48*
3 17	4 17.34	+ 9 36.2	2.124	1.984	27.8	19.9	68 E	47*	44*
3 27	4 36.93	+11 54.6	2.260	2.024	26.2	20.0	64 E	44*	41*
4 6	4 56.85	+13 54.3	2.396	2.063	24.5	20.1	59 E	40*	38*
4 16	5 17.05	+15 35.9	2.530	2.103	22.7	20.2	54 E	36*	35*
4 26	5 37.41	+17 0.3	2.661	2.143	20.8	20.3	49 E	32*	33*
5 6	5 57.86	+18 8.1	2.787	2.182	18.8	20.4	44 E	27*	30*
5 16	6 18.30	+19 0.6	2.907	2.222	16.8	20.4	39 E	22*	27*
5 26	6 38.67	+19 38.5	3.021	2.261	14.7	20.5	35 E	17*	24*
6 5	6 58.87	+20 3.0	3.126	2.300	12.6	20.5	30 E	12*	20*
6 15	7 18.85	+20 15.3	3.223	2.339	10.5	20.6	25 E	8*	17*
6 25	7 38.55	+20 16.3	3.309	2.377	8.3	20.6	20 E	4*	12*
7 5	7 57.91	+20 7.4	3.384	2.414	6.1	20.5	15 E	1*	8*
7 15	8 16.91	+19 49.7	3.448	2.451	3.9	20.5	9 E	—	3*
7 25	8 35.49	+19 24.4	3.499	2.487	1.8	20.4	4 E	—	—
8 4	8 53.64	+18 52.8	3.537	2.523	0.7	20.4	2 W	—	—
8 14	9 11.34	+18 16.0	3.561	2.557	2.6	20.6	7 W	—	—
8 24	9 28.55	+17 35.3	3.571	2.591	4.7	20.7	12 W	6*	—
9 3	9 45.27	+16 52.1	3.567	2.625	6.7	20.9	18 W	11*	4*
9 13	10 1.49	+16 7.7	3.548	2.657	8.7	21.0	24 W	17*	6*
9 23	10 17.15	+15 23.3	3.515	2.689	10.6	21.0	30 W	23*	10*
10 3	10 32.25	+14 40.5	3.468	2.719	12.4	21.1	36 W	29*	13*
10 13	10 46.74	+14 0.7	3.407	2.749	14.1	21.2	42 W	35*	16*
10 23	11 0.55	+13 25.6	3.332	2.778	15.6	21.2	49 W	41*	19*
11 2	11 13.63	+12 56.7	3.246	2.806	17.0	21.2	56 W	46*	23*
11 12	11 25.87	+12 36.1	3.148	2.833	18.1	21.2	63 W	51*	28*
11 22	11 37.16	+12 25.4	3.041	2.859	18.9	21.2	70 W	55*	32*
12 2	11 47.34	+12 26.9	2.927	2.885	19.5	21.1	78 W	57*	37*
12 12	11 56.23	+12 42.4	2.808	2.909	19.7	21.1	86 W	58	42*
12 22	12 3.63	+13 14.0	2.687	2.932	19.5	21.0	94 W	58	46*
1 1	12 9.29	+14 3.1	2.568	2.955	18.9	20.9	103 W	59	49*
1 11	12 12.95	+15 10.8	2.454	2.976	17.7	20.7	113 W	60	49
1 21	12 14.37	+16 36.7	2.351	2.997	16.1	20.6	123 W	62	47
	365426 2010 KC_{61}								
12 27	2 7.99	+12 14.3	1.405	2.065	24.7	21.2	119 E	57	52
1 6	2 14.44	+13 26.1	1.548	2.102	26.0	21.4	110 E	58	50*
1 16	2 23.21	+14 42.0	1.697	2.139	26.7	21.7	103 E	60	48*
1 26	2 33.92	+16 0.0	1.851	2.175	26.8	21.9	95 E	61	45*
2 5	2 46.21	+17 18.4	2.008	2.210	26.5	22.1	88 E	62	42*
	440680 2005 YW_{36}								
12 27	2 8.76	−23 15.2	0.852	1.434	42.0	20.0	103 E	22	87
1 1	2 20.67	−22 4.9	0.891	1.451	41.6	20.1	101 E	23	86
1 6	2 32.54	−20 47.9	0.932	1.469	41.2	20.2	100 E	24	85
1 11	2 44.35	−19 25.4	0.974	1.489	40.7	20.3	99 E	26	83
1 16	2 56.11	−17 58.9	1.018	1.510	40.2	20.4	98 E	27	82*
1 21	3 7.83	−16 29.5	1.064	1.533	39.6	20.5	97 E	29	80*
1 26	3 19.50	−14 58.5	1.111	1.556	39.0	20.6	96 E	30	78*
1 31	3 31.12	−13 26.9	1.160	1.581	38.4	20.8	95 E	32	76*
2 5	3 42.70	−11 55.6	1.211	1.606	37.8	20.9	93 E	33	74*
2 10	3 54.23	−10 25.4	1.264	1.633	37.2	21.0	92 E	35	72*
2 15	4 5.72	− 8 57.0	1.319	1.660	36.5	21.1	91 E	36	70*
2 20	4 17.18	− 7 31.2	1.376	1.688	35.9	21.2	90 E	37	69*
2 25	4 28.60	− 6 8.6	1.435	1.716	35.2	21.3	88 E	39*	67*
3 2	4 39.96	− 4 49.5	1.496	1.745	34.5	21.4	87 E	40*	65*
	313181 2001 OD_{74}								
12 27	2 9.43	+25 59.7	1.183	1.904	25.7	20.7	123 E	71	38
1 6	2 19.28	+25 32.9	1.308	1.939	27.4	21.0	115 E	71	38*
1 16	2 31.44	+25 22.0	1.441	1.974	28.4	21.3	108 E	70	38*
1 26	2 45.44	+25 23.7	1.580	2.009	28.8	21.6	101 E	70	37*
2 5	3 0.90	+25 34.5	1.724	2.044	28.8	21.8	94 E	71	35*
	160895 2001 SN_{107}								
12 27	2 10.06	+24 9.1	1.269	1.980	24.8	19.7	123 E	69	40
1 6	2 18.13	+23 59.5	1.393	2.009	26.5	20.0	114 E	69	40*
1 16	2 28.73	+24 3.7	1.526	2.038	27.6	20.3	107 E	69	39*
1 26	2 41.42	+24 19.0	1.664	2.067	28.0	20.5	99 E	69	38*
2 5	2 55.77	+24 42.2	1.806	2.096	28.0	20.7	93 E	70	36*
2 15	3 11.49	+25 10.2	1.950	2.125	27.6	20.9	86 E	70*	34*
2 25	3 28.34	+25 40.6	2.095	2.154	26.9	21.1	80 E	67*	32*
3 7	3 46.08	+26 10.7	2.238	2.182	25.9	21.2	74 E	63*	30*
3 17	4 4.56	+26 38.7	2.379	2.210	24.7	21.3	68 E	58*	29*
3 27	4 23.64	+27 2.9	2.516	2.237	23.3	21.5	62 E	53*	27*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	304292 2006 SK_{77}								
	h m	° ′			°	m	°	°	°
12 27	2 11.04	+25 38.3	2.702	3.342	14.3	20.8	123 E	71	38
1 6	2 12.15	+24 38.2	2.866	3.376	15.5	21.0	113 E	70	39*
1 16	2 15.30	+23 52.8	3.040	3.408	16.3	21.2	104 E	69	39*
1 26	2 20.22	+23 21.2	3.221	3.440	16.6	21.3	94 E	68	37*
2 5	2 26.63	+23 1.6	3.403	3.471	16.5	21.4	86 E	68*	34*
	304293 2006 SQ_{78}								
12 27	2 11.62	−24 7.4	1.020	1.564	37.8	21.3	103 E	21	88
1 1	2 12.87	−23 43.0	1.068	1.561	38.5	21.4	99 E	21	88
1 6	2 15.10	−23 11.9	1.116	1.556	39.0	21.6	95 E	22	87*
1 11	2 18.20	−22 35.3	1.162	1.550	39.3	21.6	92 E	22	83*
1 16	2 22.12	−21 54.3	1.206	1.543	39.6	21.7	89 E	23	80*
	144411 2004 EW_9								
12 27	2 11.89	+23 42.8	1.284	1.996	24.5	19.7	123 E	69	40
1 1	2 15.28	+23 16.4	1.365	2.027	25.2	19.9	118 E	68	41
1 6	2 19.25	+22 56.3	1.449	2.058	25.8	20.1	114 E	68	41*
1 11	2 23.73	+22 41.6	1.535	2.089	26.2	20.2	110 E	68	41*
1 16	2 28.67	+22 31.8	1.622	2.118	26.5	20.4	106 E	68	41*
1 26	2 39.71	+22 24.2	1.801	2.176	26.6	20.7	98 E	67	39*
2 5	2 52.00	+22 28.8	1.983	2.231	26.2	20.9	91 E	67	38*
2 15	3 5.30	+22 41.9	2.165	2.284	25.5	21.1	84 E	67*	35*
2 25	3 19.41	+23 0.5	2.346	2.335	24.4	21.3	77 E	64*	33*
3 7	3 34.15	+23 22.0	2.523	2.384	23.1	21.5	71 E	59*	31*
	523804 2000 YF_{29}								
12 27	2 11.93	− 3 12.9	0.330	1.154	51.5	20.1	113 E	42	67
1 1	2 8.64	− 2 1.9	0.325	1.128	55.9	20.2	108 E	43	66
1 6	2 6.82	− 0 37.6	0.320	1.102	60.2	20.2	103 E	44	64*
1 11	2 6.37	+ 0 59.2	0.313	1.077	64.4	20.2	99 E	46	61*
1 16	2 7.17	+ 2 48.2	0.306	1.054	68.4	20.2	95 E	48	58*
1 26	2 11.89	+ 7 2.9	0.286	1.012	76.4	20.3	87 E	52	51*
2 5	2 19.53	+12 12.0	0.260	0.978	84.2	20.3	81 E	57*	43*
2 15	2 28.81	+18 33.0	0.229	0.953	92.0	20.3	75 E	60*	34*
2 20	2 33.67	+22 20.4	0.213	0.945	95.7	20.2	72 E	61*	30*
2 25	2 38.42	+26 40.2	0.196	0.940	99.2	20.2	70 E	61*	25*
3 2	2 42.86	+31 40.3	0.178	0.938	102.3	20.2	68 E	61*	20*
3 7	2 46.84	+37 30.7	0.162	0.939	104.7	20.1	66 E	60*	14*
3 9	2 48.28	+40 7.7	0.156	0.940	105.5	20.0	66 E	60*	11*
3 11	2 49.63	+42 55.4	0.150	0.942	106.0	20.0	66 E	59*	8*
3 13	2 50.88	+45 54.6	0.144	0.944	106.3	19.9	66 E	58*	6*
3 15	2 52.01	+49 6.2	0.138	0.947	106.3	19.8	66 E	58*	3*
3 17	2 53.03	+52 30.7	0.133	0.950	106.1	19.7	67 E	57*	—
3 22	2 54.88	+62 1.0	0.122	0.960	103.9	19.5	69 E	54*	—
3 27	2 55.12	+72 52.1	0.114	0.973	99.4	19.1	74 E	50*	—
4 1	2 47.56	+84 43.7	0.109	0.988	92.6	18.8	81 E	46*	—
4 6	15 8.86	+83 1.1	0.109	1.006	84.2	18.5	90 W	52	—
4 7	15 6.41	+80 35.6	0.110	1.010	82.4	18.4	91 W	54	—
4 8	15 4.92	+78 11.2	0.110	1.013	80.6	18.4	93 W	57	—
4 9	15 3.88	+75 48.4	0.111	1.017	78.7	18.3	95 W	59	—
4 10	15 3.09	+73 27.4	0.112	1.021	76.9	18.3	97 W	62	—
4 11	15 2.45	+71 8.4	0.113	1.025	75.0	18.2	99 W	64	—
4 12	15 1.90	+68 51.8	0.114	1.030	73.1	18.2	101 W	66	—
4 13	15 1.41	+66 37.6	0.116	1.034	71.3	18.2	102 W	68	—
4 14	15 0.96	+64 26.1	0.117	1.038	69.5	18.2	104 W	71	—
4 15	15 0.55	+62 17.5	0.119	1.042	67.7	18.1	106 W	73	2
4 16	15 0.15	+60 11.7	0.121	1.047	65.9	18.1	108 W	75	4
4 18	14 59.40	+56 9.3	0.125	1.056	62.4	18.1	111 W	79	8
4 20	14 58.70	+52 19.2	0.130	1.065	59.0	18.1	115 W	83	12
4 22	14 58.02	+48 41.5	0.135	1.075	55.8	18.1	118 W	86	15
4 24	14 57.37	+45 16.0	0.140	1.084	52.8	18.1	121 W	90	19
4 26	14 56.74	+42 2.3	0.146	1.094	50.0	18.2	124 W	87	22
5 1	14 55.26	+34 45.9	0.163	1.119	43.6	18.3	130 W	80	29
5 6	14 53.96	+28 29.7	0.183	1.146	38.5	18.4	135 W	73	36
5 11	14 52.97	+23 3.4	0.205	1.173	34.5	18.6	139 E	68	41
5 16	14 52.46	+18 18.5	0.230	1.200	31.6	18.9	141 E	63	46
5 21	14 52.52	+14 8.4	0.258	1.228	29.8	19.1	143 E	59	50
5 26	14 53.20	+10 27.6	0.289	1.256	28.9	19.4	143 E	55	54
5 31	14 54.49	+ 7 11.8	0.322	1.284	28.7	19.6	142 E	52	57
6 5	14 56.39	+ 4 17.2	0.358	1.312	29.0	19.9	141 E	49	60
6 10	14 58.91	+ 1 40.5	0.396	1.340	29.7	20.2	139 E	47	62
6 15	15 2.05	− 0 40.8	0.437	1.368	30.5	20.5	137 E	44	65
6 20	15 5.79	− 2 49.0	0.481	1.396	31.3	20.8	134 E	42	67
6 25	15 10.08	− 4 45.7	0.527	1.423	32.2	21.0	132 E	40	69
6 30	15 14.88	− 6 32.2	0.576	1.450	33.0	21.3	129 E	38	71

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
				5867 1988 *RE*					
	h m	° ′			°	m	°	°	°
12 27	2 12.22	−18 31.6	1.374	1.894	30.0	18.6	106 E	26	83
1 1	2 15.52	−18 6.7	1.441	1.910	30.2	18.7	102 E	27	82
1 6	2 19.40	−17 36.6	1.509	1.925	30.3	18.8	99 E	27	82*
1 11	2 23.81	−17 2.2	1.576	1.939	30.3	18.9	96 E	28	80*
1 16	2 28.71	−16 24.4	1.644	1.954	30.2	19.0	93 E	29	77*
1 21	2 34.05	−15 43.9	1.711	1.968	30.0	19.1	90 E	29	75*
1 26	2 39.79	−15 1.5	1.778	1.982	29.7	19.2	87 E	30	72*
1 31	2 45.89	−14 17.6	1.844	1.996	29.4	19.3	84 E	31	69*
2 5	2 52.32	−13 32.7	1.909	2.009	29.0	19.4	81 E	31	67*
2 15	3 6.08	−12 1.5	2.036	2.035	28.1	19.5	76 E	33*	62*
2 25	3 20.88	−10 30.9	2.159	2.060	27.0	19.7	71 E	32*	58*
3 7	3 36.55	− 9 3.2	2.276	2.084	25.8	19.8	66 E	31*	55*
3 17	3 52.98	− 7 40.1	2.387	2.106	24.6	19.8	62 E	28*	51*
3 27	4 10.07	− 6 23.3	2.492	2.127	23.3	19.9	57 E	25*	48*
4 6	4 27.71	− 5 14.1	2.590	2.147	21.9	20.0	53 E	21*	45*
4 16	4 45.84	− 4 13.6	2.682	2.166	20.6	20.0	49 E	16*	42*
4 26	5 4.38	− 3 22.7	2.765	2.183	19.2	20.1	46 E	11*	39*
5 6	5 23.23	− 2 42.0	2.842	2.199	17.9	20.1	42 E	6*	36*
5 16	5 42.35	− 2 12.1	2.911	2.213	16.6	20.1	39 E	—	33*
5 26	6 1.66	− 1 53.4	2.972	2.226	15.3	20.1	36 E	—	29*
6 5	6 21.10	− 1 46.1	3.025	2.238	14.1	20.2	33 E	—	25*
6 15	6 40.60	− 1 50.1	3.070	2.248	13.1	20.2	30 E	—	20*
6 25	7 0.10	− 2 5.5	3.106	2.257	12.1	20.2	28 E	—	15*
7 5	7 19.55	− 2 31.8	3.134	2.264	11.3	20.2	26 E	—	10*
7 15	7 38.90	− 3 8.8	3.154	2.270	10.8	20.2	25 E	—	5*
7 25	7 58.11	− 3 55.9	3.164	2.275	10.5	20.2	24 W	—	9*
8 4	8 17.14	− 4 52.6	3.166	2.278	10.5	20.2	24 W	—	12*
8 14	8 35.96	− 5 58.1	3.158	2.280	10.8	20.2	25 W	—	16*
8 24	8 54.54	− 7 11.7	3.140	2.280	11.4	20.2	27 W	—	19*
9 3	9 12.86	− 8 32.5	3.113	2.279	12.3	20.2	29 W	—	22*
9 13	9 30.92	− 9 59.8	3.075	2.277	13.3	20.2	31 W	4*	25*
9 23	9 48.68	−11 32.5	3.027	2.273	14.5	20.2	35 W	8*	28*
10 3	10 6.13	−13 9.7	2.969	2.267	15.8	20.2	38 W	12*	31*
10 13	10 23.25	−14 50.4	2.901	2.260	17.2	20.2	42 W	16*	35*
10 23	10 40.01	−16 33.4	2.823	2.252	18.6	20.2	46 W	19*	38*
11 2	10 56.39	−18 17.8	2.734	2.242	20.0	20.1	51 W	21*	42*
11 12	11 12.32	−20 2.3	2.636	2.231	21.5	20.1	56 W	22*	46*
11 22	11 27.73	−21 45.4	2.528	2.219	22.8	20.0	61 W	22*	51*
12 2	11 42.54	−23 25.9	2.412	2.205	24.1	20.0	66 W	21*	57*
12 12	11 56.61	−25 2.2	2.288	2.190	25.3	19.9	72 W	20	63*
12 22	12 9.75	−26 32.1	2.157	2.173	26.3	19.7	78 W	18	70*
1 1	12 21.76	−27 53.7	2.021	2.155	27.0	19.6	84 W	17	78*
1 6	12 27.24	−28 30.4	1.951	2.146	27.2	19.5	87 W	16	81*
1 11	12 32.32	−29 3.8	1.881	2.136	27.4	19.4	91 W	16	85*
1 16	12 36.95	−29 33.4	1.810	2.126	27.5	19.4	94 W	15	86
1 21	12 41.07	−29 58.6	1.739	2.115	27.4	19.3	98 W	15	86
				159927 2005 CL_{57}					
12 27	2 12.54	+12 38.2	1.210	1.901	26.7	18.2	120 E	58	51
1 6	2 23.32	+13 12.7	1.339	1.938	28.0	18.5	112 E	58	51*
1 16	2 35.91	+13 58.0	1.476	1.977	28.7	18.8	105 E	59	49*
1 26	2 50.00	+14 50.2	1.619	2.017	28.9	19.0	99 E	60	47*
2 5	3 5.27	+15 45.8	1.768	2.057	28.6	19.3	92 E	61	45*
2 15	3 21.52	+16 42.2	1.919	2.098	28.0	19.5	86 E	62*	43*
2 25	3 38.56	+17 37.0	2.073	2.140	27.1	19.7	80 E	61*	40*
3 7	3 56.21	+18 28.1	2.227	2.181	26.0	19.8	74 E	58*	38*
3 17	4 14.35	+19 14.2	2.380	2.223	24.7	20.0	69 E	54*	36*
3 27	4 32.87	+19 53.9	2.530	2.265	23.2	20.1	63 E	50*	34*
4 6	4 51.65	+20 26.4	2.677	2.307	21.6	20.2	58 E	44*	32*
4 16	5 10.59	+20 51.0	2.820	2.349	19.8	20.3	53 E	39*	30*
4 26	5 29.61	+21 7.2	2.956	2.390	18.0	20.4	47 E	33*	28*
5 6	5 48.61	+21 14.8	3.086	2.432	16.1	20.4	42 E	27*	26*
5 16	6 7.52	+21 13.8	3.208	2.472	14.2	20.5	37 E	21*	24*
5 26	6 26.27	+21 4.2	3.320	2.513	12.2	20.5	32 E	15*	21*
6 5	6 44.79	+20 46.3	3.422	2.553	10.1	20.6	26 E	10*	17*
6 15	7 3.02	+20 20.4	3.514	2.592	8.1	20.6	21 E	5*	14*
6 25	7 20.91	+19 47.0	3.594	2.630	6.0	20.6	16 E	1*	9*
7 5	7 38.41	+19 6.7	3.662	2.668	4.0	20.5	11 E	—	4*
7 15	7 55.49	+18 20.0	3.716	2.706	2.0	20.5	5 E	—	—
7 25	8 12.10	+17 27.6	3.757	2.742	0.9	20.4	3 W	—	—
8 4	8 28.22	+16 30.2	3.783	2.778	2.4	20.6	7 W	—	—
8 14	8 43.81	+15 28.5	3.796	2.814	4.4	20.7	12 W	3*	4*
8 24	8 58.85	+14 23.3	3.793	2.848	6.3	20.9	18 W	9*	8*
9 3	9 13.29	+13 15.4	3.775	2.882	8.1	21.0	24 W	14*	12*
9 13	9 27.10	+12 5.7	3.742	2.914	9.9	21.0	30 W	20*	16*
9 23	9 40.22	+10 55.0	3.695	2.946	11.6	21.1	36 W	26*	20*
10 3	9 52.61	+ 9 44.3	3.633	2.978	13.2	21.1	43 W	32*	23*
10 13	10 4.17	+ 8 34.6	3.557	3.008	14.6	21.2	50 W	38*	28*
10 23	10 14.83	+ 7 26.9	3.469	3.038	15.9	21.2	57 W	43*	32*
11 2	10 24.47	+ 6 22.5	3.369	3.066	16.9	21.2	64 W	47*	37*
11 12	10 32.96	+ 5 22.6	3.259	3.094	17.7	21.1	72 W	49*	42*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
				159927 2005 CL_{57} *(continuation)*					
	h m	° ′			°	m	°	°	°
11 22	10 40.13	+ 4 28.4	3.142	3.121	18.1	21.1	80 W	49*	48*
12 2	10 45.82	+ 3 42.0	3.019	3.147	18.2	21.0	88 W	49	53*
12 12	10 49.82	+ 3 4.5	2.895	3.173	17.9	20.9	97 W	48	58*
12 22	10 51.94	+ 2 37.8	2.773	3.197	17.1	20.8	107 W	48	61*
1 1	10 52.00	+ 2 23.3	2.656	3.221	15.8	20.7	117 W	47	62
1 11	10 49.90	+ 2 22.5	2.551	3.243	13.9	20.6	127 W	47	62
1 21	10 45.67	+ 2 36.0	2.462	3.265	11.5	20.4	139 W	48	61
				324524 2006 VZ_{108}					
12 27	2 12.77	+16 34.4	1.454	2.135	23.2	21.0	121 E	62	47
1 6	2 19.59	+16 36.6	1.594	2.169	24.8	21.2	113 E	62	47*
1 16	2 28.63	+16 53.0	1.741	2.204	25.6	21.5	104 E	62	46*
1 26	2 39.52	+17 20.1	1.894	2.238	25.9	21.7	97 E	62	44*
2 5	2 51.92	+17 54.7	2.050	2.271	25.7	21.9	90 E	63	42*
				364639 2007 TY_{109}					
12 27	2 13.14	+13 35.5	1.452	2.124	23.6	21.0	120 E	59	50
1 6	2 18.32	+14 34.8	1.589	2.154	25.1	21.2	112 E	60	49*
1 16	2 26.04	+15 40.1	1.734	2.184	26.0	21.5	103 E	61	47*
1 26	2 35.88	+16 49.6	1.883	2.213	26.3	21.7	96 E	62	44*
2 5	2 47.48	+18 1.1	2.035	2.242	26.1	21.9	89 E	63	41*
				325620 2009 SV_{242}					
12 27	2 13.32	+14 40.4	1.614	2.278	21.8	20.6	121 E	60	49
1 6	2 18.99	+14 33.0	1.760	2.312	23.3	20.8	112 E	60	49*
1 16	2 26.83	+14 41.2	1.915	2.346	24.1	21.1	103 E	60	48*
1 26	2 36.49	+15 1.5	2.074	2.379	24.3	21.3	96 E	60	46*
2 5	2 47.64	+15 30.6	2.235	2.412	24.1	21.5	88 E	61	43*
				29566 1998 FK_5					
12 27	2 13.63	+52 36.1	1.001	1.760	27.3	17.7	125 E	82	11
1 1	2 14.36	+52 4.9	1.043	1.768	28.3	17.8	121 E	83	12
1 6	2 16.85	+51 35.4	1.086	1.775	29.2	17.9	118 E	83	12*
1 11	2 20.90	+51 8.1	1.131	1.783	30.0	18.0	115 E	84	13*
1 16	2 26.34	+50 43.6	1.178	1.791	30.7	18.1	112 E	84	13*
1 21	2 33.01	+50 21.9	1.226	1.799	31.3	18.3	108 E	85	13*
1 26	2 40.77	+50 3.0	1.274	1.806	31.7	18.4	105 E	85	13*
1 31	2 49.47	+49 46.4	1.324	1.814	32.0	18.5	103 E	85	13*
2 5	2 59.02	+49 31.6	1.374	1.821	32.3	18.6	100 E	85	13*
2 10	3 9.32	+49 18.3	1.425	1.828	32.4	18.6	97 E	86*	13*
2 15	3 20.30	+49 6.0	1.476	1.836	32.5	18.7	94 E	85*	12*
2 20	3 31.87	+48 54.1	1.528	1.843	32.4	18.8	92 E	83*	12*
2 25	3 43.96	+48 42.3	1.579	1.850	32.3	18.9	89 E	81*	12*
3 2	3 56.50	+48 30.0	1.631	1.857	32.2	19.0	87 E	79*	12*
3 7	4 9.42	+48 16.7	1.682	1.864	32.0	19.0	84 E	77*	13*
3 12	4 22.68	+48 1.9	1.734	1.870	31.7	19.1	82 E	75*	13*
3 17	4 36.22	+47 45.4	1.785	1.877	31.4	19.2	79 E	73*	13*
3 22	4 49.99	+47 26.8	1.836	1.883	31.0	19.2	77 E	71*	13*
3 27	5 3.92	+47 5.8	1.887	1.890	30.6	19.3	75 E	69*	13*
4 1	5 17.97	+46 42.1	1.937	1.896	30.2	19.3	73 E	67*	14*
4 6	5 32.08	+46 15.5	1.987	1.902	29.7	19.4	70 E	64*	14*
4 11	5 46.22	+45 45.8	2.036	1.907	29.2	19.4	68 E	62*	15*
4 16	6 0.34	+45 13.0	2.085	1.913	28.7	19.5	66 E	60*	15*
4 21	6 14.41	+44 37.0	2.133	1.918	28.1	19.5	64 E	58*	15*
4 26	6 28.39	+43 57.7	2.181	1.924	27.5	19.5	62 E	55*	16*
5 1	6 42.23	+43 15.1	2.228	1.929	26.8	19.6	60 E	53*	16*
5 6	6 55.93	+42 29.4	2.274	1.934	26.2	19.6	58 E	51*	17*
5 11	7 9.45	+41 40.4	2.319	1.938	25.5	19.6	56 E	48*	17*
5 16	7 22.79	+40 48.4	2.363	1.943	24.8	19.7	54 E	45*	18*
5 21	7 35.92	+39 53.5	2.406	1.947	24.1	19.7	52 E	43*	18*
5 26	7 48.83	+38 55.7	2.448	1.951	23.3	19.7	50 E	40*	19*
6 5	8 13.97	+36 52.2	2.529	1.959	21.7	19.7	46 E	35*	19*
6 15	8 38.20	+34 39.0	2.605	1.966	20.1	19.7	42 E	30*	19*
6 25	9 1.54	+32 17.5	2.676	1.972	18.4	19.8	38 E	26*	18*
7 5	9 24.02	+29 48.7	2.740	1.977	16.6	19.8	34 E	22*	17*
7 15	9 45.73	+27 13.9	2.798	1.981	14.8	19.7	30 E	18*	16*
7 25	10 6.72	+24 34.1	2.849	1.984	12.9	19.7	26 E	15*	13*
8 4	10 27.09	+21 50.3	2.892	1.987	11.0	19.7	22 E	12*	11*
8 14	10 46.94	+19 3.4	2.927	1.988	9.1	19.6	18 E	9*	7*
8 24	11 6.33	+16 14.1	2.953	1.989	7.2	19.6	14 E	7*	4*
9 3	11 25.36	+13 23.2	2.970	1.989	5.5	19.5	11 E	5*	—
9 13	11 44.12	+10 31.3	2.978	1.988	4.2	19.4	8 E	2*	—
9 23	12 2.66	+ 7 39.0	2.976	1.986	3.9	19.4	8 E	—	—
10 3	12 21.07	+ 4 46.8	2.963	1.983	4.7	19.5	9 W	3*	—
10 13	12 39.42	+ 1 55.2	2.941	1.979	6.3	19.5	13 W	7*	—
10 23	12 57.77	− 0 55.3	2.907	1.974	8.3	19.6	17 W	10*	1*
11 2	13 16.17	− 3 44.4	2.864	1.969	10.3	19.6	21 W	14*	5*
11 12	13 34.70	− 6 31.8	2.810	1.962	12.5	19.7	25 W	17*	9*
11 22	13 53.38	− 9 17.0	2.747	1.955	14.6	19.7	30 W	20*	14*
12 2	14 12.29	−12 0.0	2.674	1.947	16.8	19.7	35 W	22*	20*
12 12	14 31.44	−14 40.5	2.591	1.938	18.9	19.7	40 W	23*	26*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
29566 1998 *FK*$_5$ (*continuation*)									
	h m	° ′			°	m	°	°	°
12 22	14 50.87	−17 18.5	2.501	1.929	21.0	19.6	45 W	23*	32*
1 1	15 10.62	−19 54.1	2.404	1.918	23.0	19.6	50 W	22*	38*
1 11	15 30.70	−22 27.5	2.300	1.907	24.9	19.6	55 W	21*	45*
1 21	15 51.13	−24 59.1	2.190	1.896	26.6	19.5	60 W	19*	52*
41223 1999 *XD*$_{16}$									
12 27	2 14.28	+24 37.3	1.248	1.970	24.6	16.7	124 E	70	39
1 6	2 22.17	+25 21.3	1.379	2.009	26.2	17.0	116 E	70	39*
1 16	2 32.70	+26 8.8	1.519	2.049	27.2	17.3	108 E	71	37*
1 26	2 45.41	+26 58.7	1.665	2.090	27.5	17.5	101 E	72	35*
2 5	2 59.86	+27 49.6	1.817	2.131	27.5	17.8	94 E	73	33*
2 15	3 15.74	+28 39.7	1.971	2.173	27.0	18.0	88 E	73*	31*
2 25	3 32.79	+29 27.6	2.127	2.215	26.3	18.2	82 E	71*	29*
3 7	3 50.76	+30 11.8	2.283	2.257	25.2	18.3	76 E	67*	27*
3 17	4 9.49	+30 51.0	2.438	2.300	24.0	18.5	70 E	62*	26*
3 27	4 28.80	+31 24.2	2.591	2.342	22.6	18.6	65 E	56*	24*
4 6	4 48.52	+31 50.6	2.739	2.384	21.1	18.7	59 E	51*	23*
4 16	5 8.55	+32 9.4	2.883	2.426	19.4	18.8	54 E	45*	21*
4 26	5 28.75	+32 20.3	3.020	2.468	17.7	18.9	48 E	40*	20*
5 6	5 48.98	+32 23.1	3.151	2.509	15.9	19.0	43 E	34*	18*
5 16	6 9.16	+32 17.6	3.272	2.550	14.1	19.0	38 E	28*	16*
5 26	6 29.18	+32 4.2	3.385	2.590	12.2	19.0	33 E	23*	14*
6 5	6 48.96	+31 43.0	3.488	2.630	10.3	19.1	28 E	18*	11*
6 15	7 8.41	+31 14.6	3.579	2.669	8.4	19.1	23 E	14*	8*
6 25	7 27.48	+30 39.4	3.659	2.708	6.6	19.1	18 E	10*	5*
7 5	7 46.11	+29 58.3	3.726	2.746	4.9	19.1	13 E	7*	1*
7 15	8 4.25	+29 11.8	3.780	2.784	3.6	19.1	10 E	4*	—
7 25	8 21.87	+28 20.9	3.820	2.820	3.1	19.1	9 E	2*	—
8 4	8 38.94	+27 26.3	3.846	2.856	3.8	19.2	11 W	4*	—
8 14	8 55.43	+26 29.1	3.858	2.892	5.2	19.3	15 W	9*	—
8 24	9 11.31	+25 30.1	3.855	2.926	6.8	19.4	20 W	14*	—
9 3	9 26.56	+24 30.3	3.836	2.960	8.5	19.5	26 W	20*	4*
9 13	9 41.14	+23 30.9	3.803	2.993	10.1	19.5	32 W	25*	7*
9 23	9 55.01	+22 32.9	3.755	3.025	11.7	19.6	38 W	31*	10*
10 3	10 8.12	+21 37.5	3.693	3.056	13.2	19.6	44 W	38*	14*
10 13	10 20.41	+20 46.0	3.618	3.087	14.5	19.7	51 W	44*	17*
10 23	10 31.79	+19 59.6	3.530	3.117	15.7	19.7	58 W	50*	21*
11 2	10 42.16	+19 19.7	3.430	3.146	16.6	19.7	65 W	56*	25*
11 12	10 51.39	+18 47.7	3.322	3.174	17.3	19.6	73 W	60*	30*
11 22	10 59.32	+18 25.2	3.206	3.201	17.7	19.6	81 W	63*	34*
12 2	11 5.78	+18 13.3	3.085	3.228	17.8	19.5	89 W	63	39*
12 12	11 10.55	+18 13.5	2.963	3.253	17.4	19.4	98 W	63	42*
12 22	11 13.41	+18 26.4	2.844	3.278	16.6	19.3	108 W	63	45*
1 1	11 14.17	+18 52.1	2.732	3.302	15.3	19.2	117 W	64	45
1 11	11 12.66	+19 29.9	2.631	3.325	13.5	19.1	128 W	64	45
1 21	11 8.84	+20 17.4	2.547	3.348	11.2	19.0	138 W	65	44
68359 2001 *OZ*$_{13}$									
12 27	2 14.62	+ 2 41.1	0.570	1.338	41.1	18.8	116 E	48	61
1 1	2 17.86	+ 4 39.8	0.588	1.328	42.9	18.9	113 E	50	59
1 6	2 22.37	+ 6 40.4	0.607	1.319	44.6	19.0	110 E	52	57*
1 11	2 28.07	+ 8 41.7	0.627	1.310	46.0	19.1	107 E	54	55*
1 16	2 34.92	+10 42.9	0.647	1.301	47.2	19.2	104 E	56	53*
1 26	2 51.78	+14 42.1	0.689	1.286	49.1	19.4	99 E	60	48*
2 5	3 12.48	+18 31.4	0.730	1.273	50.5	19.5	95 E	64	43*
2 15	3 36.74	+22 5.2	0.773	1.264	51.4	19.6	91 E	67	39*
2 25	4 4.37	+25 17.7	0.815	1.257	51.9	19.8	88 E	70*	36*
3 7	4 35.06	+28 2.5	0.858	1.253	52.1	19.9	85 E	71*	33*
3 17	5 8.52	+30 13.7	0.901	1.253	51.9	20.0	83 E	70*	31*
3 22	5 26.14	+31 5.0	0.923	1.254	51.8	20.0	81 E	70*	31*
3 27	5 44.27	+31 45.9	0.945	1.256	51.6	20.1	80 E	69*	30*
4 1	6 2.78	+32 15.9	0.968	1.258	51.3	20.1	80 E	68*	30*
4 6	6 21.60	+32 34.9	0.991	1.262	51.0	20.2	79 E	67*	30*
4 11	6 40.63	+32 42.4	1.014	1.266	50.7	20.2	78 E	66*	30*
4 16	6 59.77	+32 38.6	1.038	1.271	50.3	20.3	77 E	65*	30*
4 21	7 18.90	+32 23.6	1.063	1.277	49.8	20.3	76 E	64*	31*
4 26	7 37.92	+31 57.7	1.088	1.283	49.4	20.4	75 E	62*	31*
5 1	7 56.74	+31 21.4	1.114	1.290	48.9	20.4	75 E	60*	32*
5 6	8 15.29	+30 35.1	1.140	1.298	48.3	20.5	74 E	59*	33*
5 11	8 33.50	+29 39.6	1.167	1.306	47.8	20.5	73 E	57*	34*
5 16	8 51.34	+28 35.6	1.195	1.315	47.2	20.6	73 E	55*	35*
5 21	9 8.76	+27 23.9	1.224	1.324	46.6	20.6	72 E	52*	36*
5 26	9 25.74	+26 5.4	1.254	1.334	45.9	20.7	71 E	50*	37*
5 31	9 42.27	+24 40.9	1.285	1.344	45.3	20.7	70 E	48*	39*
6 5	9 58.37	+23 11.2	1.317	1.355	44.6	20.8	70 E	45*	40*
6 10	10 14.03	+21 37.1	1.349	1.366	43.9	20.8	69 E	43*	41*
6 15	10 29.30	+19 59.3	1.383	1.377	43.2	20.9	68 E	40*	43*
6 20	10 44.17	+18 18.6	1.417	1.389	42.5	20.9	67 E	38*	44*
6 25	10 58.68	+16 35.6	1.452	1.401	41.7	21.0	66 E	36*	45*
6 30	11 12.86	+14 51.0	1.488	1.412	40.9	21.0	66 E	34*	46*
7 5	11 26.73	+13 5.3	1.525	1.425	40.1	21.1	65 E	32*	47*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
68359 2001 *OZ*$_{13}$ (*continuation*)									
	h m	° ′			°	m	°	°	°
7 10	11 40.34	+11 18.9	1.563	1.437	39.3	21.1	64 E	30*	48*
7 15	11 53.70	+ 9 32.5	1.602	1.449	38.5	21.2	63 E	28*	49*
7 20	12 6.86	+ 7 46.3	1.641	1.461	37.7	21.2	62 E	26*	49*
7 25	12 19.83	+ 6 0.9	1.681	1.474	36.8	21.3	60 E	25*	49*
7 30	12 32.63	+ 4 16.5	1.721	1.486	36.0	21.3	59 E	24*	49*
8 4	12 45.31	+ 2 33.5	1.762	1.498	35.1	21.4	58 E	22*	49*
8 9	12 57.89	+ 0 52.1	1.804	1.511	34.2	21.4	57 E	21*	48*
8 14	13 10.39	− 0 47.4	1.845	1.523	33.3	21.4	56 E	20*	47*
8 19	13 22.84	− 2 24.7	1.887	1.535	32.4	21.5	54 E	19*	47*
469234 2016 *JG*$_5$									
12 27	2 15.26	+ 0 26.0	1.566	2.181	24.0	21.4	116 E	45	64
1 6	2 20.23	+ 2 14.8	1.708	2.214	25.0	21.6	108 E	47	62*
1 16	2 27.46	+ 4 5.5	1.858	2.247	25.5	21.9	100 E	49	59*
1 26	2 36.59	+ 5 55.9	2.011	2.280	25.6	22.1	93 E	51	55*
2 5	2 47.29	+ 7 44.0	2.166	2.312	25.2	22.3	86 E	53	50*
27031 1998 *RO*$_4$									
12 27	2 15.43	+ 7 39.0	1.475	2.130	23.9	21.3	119 E	53	56
1 6	2 21.34	+ 8 22.0	1.635	2.179	25.1	21.6	110 E	53	56*
1 16	2 29.33	+ 9 14.6	1.802	2.228	25.6	21.9	102 E	54	54*
1 26	2 39.02	+10 13.3	1.973	2.275	25.6	22.1	95 E	55	51*
2 5	2 50.09	+11 15.5	2.146	2.321	25.1	22.3	87 E	56	47*
216464 1974 *PB*									
12 27	2 15.46	+ 3 5.8	1.303	1.955	26.7	20.5	117 E	48	61
1 6	2 23.85	+ 4 41.8	1.441	1.996	27.7	20.8	109 E	50	59*
1 16	2 34.17	+ 6 20.9	1.587	2.038	28.1	21.1	102 E	51	57*
1 26	2 46.11	+ 8 0.4	1.738	2.079	28.1	21.3	96 E	53	54*
2 5	2 59.36	+ 9 37.8	1.892	2.120	27.7	21.5	89 E	55	50*
1863 Antinous									
12 27	2 15.83	+36 55.2	2.762	3.430	13.5	21.0	126 E	82	27
1 6	2 14.21	+35 51.4	2.907	3.453	14.8	21.1	116 E	81	28*
1 16	2 15.20	+34 58.9	3.063	3.474	15.7	21.3	107 E	80	28*
1 26	2 18.45	+34 19.0	3.227	3.494	16.2	21.4	98 E	79	27*
2 5	2 23.64	+33 51.6	3.393	3.513	16.3	21.6	89 E	78*	25*
508453 2016 *NF*$_1$									
12 27	2 16.83	−22 26.4	1.174	1.710	33.8	19.9	105 E	23	86
1 1	2 21.75	−20 9.3	1.212	1.718	34.0	20.0	103 E	25	84
1 6	2 27.23	−17 51.7	1.252	1.727	34.0	20.1	100 E	27	82
1 11	2 33.22	−15 34.8	1.295	1.736	34.1	20.2	98 E	29	79*
1 16	2 39.69	−13 19.1	1.339	1.746	34.1	20.3	96 E	32	76*
1 21	2 46.59	−11 5.5	1.385	1.756	34.0	20.3	94 E	34	73*
1 26	2 53.88	− 8 54.8	1.434	1.766	33.8	20.4	92 E	36	70*
2 5	3 9.52	− 4 43.6	1.535	1.789	33.4	20.6	88 E	40	64*
2 15	3 26.39	− 0 48.6	1.644	1.813	32.7	20.7	83 E	44*	58*
2 25	3 44.32	+ 2 47.8	1.757	1.839	31.8	20.9	79 E	47*	53*
3 7	4 3.14	+ 6 4.3	1.875	1.866	30.8	21.0	74 E	47*	49*
3 17	4 22.72	+ 9 0.5	1.996	1.894	29.5	21.2	70 E	47*	45*
3 27	4 42.96	+11 35.9	2.118	1.923	28.1	21.3	65 E	45*	42*
4 6	5 3.71	+13 50.8	2.241	1.953	26.5	21.4	60 E	42*	39*
513022 2017 *VD*$_1$									
12 27	2 17.40	+22 43.4	1.302	2.021	23.8	21.3	124 E	68	41
1 6	2 23.62	+22 47.4	1.427	2.049	25.7	21.6	115 E	68	41*
1 16	2 32.59	+23 3.4	1.562	2.077	26.9	21.9	107 E	68	40*
1 26	2 43.85	+23 29.2	1.701	2.104	27.5	22.1	100 E	68	39*
2 5	2 56.96	+24 1.8	1.844	2.131	27.5	22.3	93 E	69	37*
370633 2003 *YK*$_{123}$									
12 27	2 17.89	+17 37.3	0.960	1.704	29.1	20.1	123 E	63	46
1 6	2 30.02	+18 3.4	1.055	1.722	31.1	20.4	115 E	63	46
1 16	2 44.62	+18 41.2	1.158	1.743	32.3	20.7	109 E	64	45*
1 26	3 1.25	+19 26.5	1.268	1.765	33.0	20.9	102 E	64	44*
2 5	3 19.48	+20 15.2	1.383	1.789	33.2	21.2	97 E	65	42*
2 15	3 39.00	+21 3.8	1.502	1.815	33.0	21.4	91 E	66	40*
337103 1999 *JA*$_5$									
12 27	2 18.10	+12 40.2	2.155	2.793	17.6	21.2	121 E	58	51
1 6	2 20.51	+12 10.9	2.317	2.827	18.9	21.4	111 E	57	52*
1 16	2 25.00	+11 57.9	2.488	2.860	19.7	21.6	102 E	57	51*
1 26	2 31.29	+11 58.5	2.663	2.893	19.9	21.8	93 E	57	48*
2 5	2 39.09	+12 9.5	2.839	2.924	19.6	22.0	85 E	57*	45*
480990 2004 *BV*$_{114}$									
12 27	2 19.18	− 1 50.5	1.469	2.090	25.1	21.4	116 E	43	66
1 6	2 21.79	− 0 24.6	1.533	2.048	27.3	21.5	107 E	45	64*
1 16	2 27.57	+ 1 16.7	1.602	2.006	29.0	21.6	99 E	46	61*
1 26	2 36.30	+ 3 9.1	1.672	1.966	30.0	21.7	92 E	48	57*
2 5	2 47.68	+ 5 8.9	1.742	1.926	30.7	21.7	85 E	50	52*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
47588 2000 AM_{201}									
12 27	2 19.30	−24 24.4	1.093	1.637	35.7	17.5	104 E	21	88
1 1	2 24.40	−22 26.5	1.120	1.635	36.0	17.6	102 E	23	86
1 6	2 30.19	−20 24.4	1.147	1.634	36.4	17.6	100 E	25	84
1 11	2 36.62	−18 19.2	1.176	1.634	36.6	17.7	98 E	27	82*
1 16	2 43.63	−16 11.7	1.207	1.634	36.8	17.8	96 E	29	79*
1 21	2 51.19	−14 2.9	1.239	1.636	36.9	17.8	94 E	31	76*
1 26	2 59.26	−11 53.9	1.272	1.638	36.9	17.9	92 E	33	73*
1 31	3 7.78	− 9 45.5	1.306	1.641	36.9	18.0	90 E	35	70*
2 5	3 16.72	− 7 38.4	1.342	1.644	36.8	18.0	88 E	37	67*
2 10	3 26.06	− 5 33.2	1.380	1.649	36.7	18.1	87 E	39	64*
2 15	3 35.77	− 3 30.7	1.419	1.654	36.5	18.1	85 E	41*	62*
2 25	3 56.19	+ 0 23.9	1.502	1.667	35.9	18.3	81 E	45*	57*
3 7	4 17.77	+ 4 1.2	1.591	1.683	35.1	18.4	77 E	47*	53*
3 17	4 40.34	+ 7 18.1	1.685	1.701	34.2	18.5	74 E	47*	49*
3 27	5 3.73	+10 12.4	1.784	1.722	33.0	18.6	70 E	46*	46*
4 6	5 27.76	+12 42.6	1.888	1.745	31.7	18.7	66 E	44*	43*
4 16	5 52.27	+14 48.3	1.994	1.771	30.2	18.8	63 E	42*	41*
4 26	6 17.09	+16 29.6	2.102	1.798	28.6	18.9	59 E	38*	39*
5 6	6 42.02	+17 47.1	2.211	1.826	26.8	19.0	55 E	34*	37*
5 16	7 6.93	+18 42.1	2.320	1.857	25.0	19.1	51 E	30*	35*
5 26	7 31.67	+19 15.9	2.428	1.888	23.1	19.2	47 E	26*	33*
6 5	7 56.10	+19 30.4	2.534	1.920	21.1	19.3	43 E	21*	30*
6 15	8 20.14	+19 27.5	2.637	1.954	19.1	19.3	39 E	17*	28*
6 25	8 43.70	+19 9.1	2.735	1.987	17.0	19.4	35 E	14*	25*
7 5	9 6.73	+18 37.3	2.828	2.022	14.9	19.4	31 E	11*	22*
7 15	9 29.22	+17 53.9	2.914	2.057	12.8	19.4	27 E	9*	19*
7 25	9 51.14	+17 1.0	2.994	2.091	10.7	19.5	22 E	7*	15*
8 4	10 12.51	+16 0.4	3.065	2.126	8.6	19.5	18 E	5*	11*
8 14	10 33.36	+14 53.7	3.128	2.161	6.7	19.5	14 E	4*	7*
8 24	10 53.70	+13 42.8	3.182	2.196	4.9	19.4	11 E	3*	2*
9 3	11 13.56	+12 29.1	3.226	2.231	3.6	19.4	8 E	2*	—
9 13	11 32.99	+11 14.1	3.258	2.265	3.4	19.5	8 E	1*	—
9 23	11 52.00	+ 9 59.4	3.280	2.299	4.4	19.6	10 W	2*	—
10 3	12 10.62	+ 8 46.3	3.291	2.333	6.0	19.7	14 W	7*	—
10 13	12 28.87	+ 7 36.2	3.289	2.366	7.8	19.8	19 W	12*	—
10 23	12 46.73	+ 6 30.6	3.275	2.398	9.6	19.9	24 W	18*	—
11 2	13 4.21	+ 5 30.6	3.250	2.430	11.4	20.0	29 W	23*	4*
11 12	13 21.29	+ 4 37.7	3.212	2.461	13.2	20.1	35 W	28*	8*
11 22	13 37.91	+ 3 53.2	3.163	2.492	14.8	20.1	40 W	33*	12*
12 2	13 54.03	+ 3 18.3	3.102	2.522	16.4	20.1	46 W	38*	17*
12 12	14 9.55	+ 2 54.4	3.031	2.551	17.8	20.2	52 W	41*	23*
12 22	14 24.36	+ 2 42.5	2.950	2.579	19.0	20.2	59 W	44*	29*
1 1	14 38.34	+ 2 43.9	2.861	2.606	20.0	20.2	65 W	46*	35*
1 11	14 51.31	+ 2 59.7	2.765	2.633	20.8	20.1	72 W	48*	42*
1 21	15 3.09	+ 3 30.5	2.664	2.659	21.3	20.1	79 W	48*	48*
174756 2003 VN									
12 27	2 19.38	+ 5 46.8	1.393	2.057	24.8	19.7	119 E	51	58
1 6	2 25.21	+ 7 26.3	1.529	2.090	26.1	20.0	111 E	52	57
1 16	2 33.41	+ 9 8.0	1.672	2.123	26.8	20.3	103 E	54	54*
1 26	2 43.61	+10 49.5	1.821	2.157	27.0	20.5	96 E	56	51*
2 5	2 55.44	+12 29.0	1.972	2.190	26.8	20.7	89 E	57	47*
2 15	3 8.65	+14 4.9	2.125	2.222	26.1	20.9	82 E	59*	43*
2 25	3 23.02	+15 36.2	2.278	2.255	25.2	21.0	76 E	57*	40*
3 7	3 38.33	+17 1.6	2.428	2.287	24.1	21.1	70 E	55*	37*
3 17	3 54.45	+18 20.3	2.575	2.318	22.7	21.3	64 E	51*	34*
3 27	4 11.25	+19 31.7	2.716	2.349	21.2	21.4	58 E	46*	31*
4 6	4 28.59	+20 35.0	2.852	2.380	19.5	21.4	53 E	40*	29*
143257 2003 AE									
12 27	2 19.41	−16 19.9	1.036	1.638	34.7	19.1	108 E	29	80
1 1	2 24.91	−13 40.5	1.079	1.652	34.8	19.2	106 E	31	78
1 6	2 30.92	−11 4.4	1.124	1.667	34.8	19.3	104 E	34	75
1 11	2 37.38	− 8 32.4	1.172	1.682	34.8	19.4	102 E	36	72*
1 16	2 44.28	− 6 5.2	1.222	1.698	34.8	19.5	100 E	39	70*
1 26	2 59.21	− 1 27.2	1.331	1.732	34.5	19.7	96 E	44	64*
2 5	3 15.45	+ 2 46.8	1.449	1.767	33.9	20.0	91 E	48	58*
2 15	3 32.81	+ 6 35.7	1.574	1.804	33.1	20.2	86 E	52*	53*
2 25	3 51.13	+ 9 59.7	1.706	1.843	32.1	20.3	82 E	54*	48*
3 7	4 10.24	+12 59.3	1.842	1.883	30.9	20.5	77 E	55*	44*
3 17	4 30.03	+15 35.5	1.981	1.923	29.5	20.7	72 E	53*	41*
3 27	4 50.37	+17 49.4	2.122	1.964	27.9	20.8	67 E	51*	38*
4 6	5 11.15	+19 42.2	2.262	2.006	26.2	21.0	62 E	47*	35*
4 16	5 32.25	+21 15.0	2.401	2.047	24.5	21.1	58 E	43*	33*
4 26	5 53.55	+22 29.2	2.537	2.089	22.6	21.2	53 E	38*	31*
5 6	6 14.95	+23 25.8	2.669	2.131	20.6	21.3	48 E	33*	28*
5 16	6 36.34	+24 6.2	2.796	2.172	18.6	21.4	43 E	28*	26*
5 26	6 57.63	+24 31.6	2.916	2.214	16.5	21.4	38 E	23*	24*
6 5	7 18.72	+24 43.3	3.028	2.255	14.4	21.5	34 E	18*	21*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
164725 1998 QF_{98}									
12 27	2 19.44	− 4 24.9	1.294	1.921	27.8	18.7	114 E	41	68
1 1	2 24.05	− 3 25.4	1.357	1.941	28.2	18.9	111 E	42	67
1 6	2 29.12	− 2 24.5	1.423	1.961	28.5	19.0	108 E	43	66
1 11	2 34.61	− 1 22.9	1.490	1.981	28.7	19.1	105 E	44	65*
1 16	2 40.51	− 0 21.1	1.559	2.001	28.8	19.2	101 E	45	64*
1 26	2 53.35	+ 1 41.8	1.702	2.043	28.7	19.5	95 E	47	60*
2 5	3 7.35	+ 3 41.1	1.849	2.085	28.2	19.7	89 E	49	56*
2 15	3 22.34	+ 5 34.8	1.999	2.128	27.5	19.9	84 E	50*	52*
2 25	3 38.14	+ 7 21.2	2.151	2.172	26.5	20.0	78 E	51*	49*
3 7	3 54.58	+ 8 59.2	2.304	2.216	25.3	20.2	72 E	49*	46*
3 17	4 11.55	+10 27.8	2.455	2.260	23.9	20.3	67 E	47*	43*
3 27	4 28.95	+11 46.5	2.605	2.304	22.4	20.5	62 E	43*	40*
4 6	4 46.65	+12 54.8	2.751	2.348	20.8	20.6	56 E	38*	37*
4 16	5 4.58	+13 52.4	2.893	2.392	19.0	20.7	51 E	33*	34*
4 26	5 22.64	+14 39.4	3.028	2.436	17.2	20.7	46 E	27*	32*
5 6	5 40.75	+15 15.6	3.157	2.479	15.4	20.8	41 E	22*	29*
5 16	5 58.84	+15 41.5	3.277	2.522	13.4	20.9	35 E	16*	26*
5 26	6 16.83	+15 57.2	3.389	2.565	11.5	20.9	30 E	10*	22*
6 5	6 34.65	+16 3.2	3.490	2.607	9.5	20.9	25 E	5*	18*
6 15	6 52.25	+16 0.0	3.580	2.648	7.5	20.9	20 E	—	14*
6 25	7 9.56	+15 48.2	3.658	2.689	5.6	20.9	15 E	—	9*
7 5	7 26.53	+15 28.4	3.724	2.729	3.8	20.9	10 E	—	4*
7 15	7 43.13	+15 1.4	3.776	2.769	2.5	20.9	7 E	—	—
7 25	7 59.29	+14 27.9	3.814	2.808	2.4	20.9	7 W	—	—
8 4	8 14.99	+13 48.7	3.838	2.846	3.7	21.0	10 W	—	4*
8 14	8 30.17	+13 4.6	3.847	2.884	5.4	21.2	16 W	4*	8*
8 24	8 44.80	+12 16.6	3.840	2.920	7.2	21.3	21 W	9*	12*
9 3	8 58.84	+11 25.5	3.819	2.956	8.9	21.4	27 W	16*	16*
9 13	9 12.22	+10 32.3	3.782	2.992	10.6	21.4	33 W	22*	20*
9 23	9 24.89	+ 9 38.1	3.730	3.026	12.2	21.5	40 W	28*	23*
373425 1999 MU_1									
12 27	2 20.73	+23 40.3	1.787	2.483	19.0	21.4	125 E	69	40
1 6	2 24.17	+22 40.5	1.935	2.517	20.7	21.7	115 E	68	41*
1 16	2 30.02	+22 0.0	2.094	2.551	21.7	21.9	106 E	67	41*
1 26	2 37.90	+21 36.3	2.258	2.583	22.2	22.1	98 E	67	40*
2 5	2 47.43	+21 26.1	2.425	2.615	22.2	22.3	90 E	66	38*
5999 Plescia									
12 27	2 20.95	+ 6 57.0	1.309	1.989	25.5	17.7	120 E	52	57
1 6	2 20.00	+ 9 29.3	1.381	1.953	28.2	17.9	110 E	54	54*
1 16	2 22.89	+12 6.7	1.459	1.917	30.2	18.0	102 E	57	51*
1 26	2 29.30	+14 46.5	1.540	1.882	31.5	18.2	94 E	60	46*
2 5	2 38.86	+17 26.7	1.621	1.848	32.2	18.2	87 E	62*	41*
2 15	2 51.29	+20 5.6	1.700	1.814	32.4	18.3	80 E	63*	36*
2 25	3 6.36	+22 41.5	1.776	1.782	32.3	18.4	74 E	62*	32*
3 7	3 23.92	+25 12.3	1.846	1.752	31.9	18.4	69 E	59*	28*
3 17	3 43.87	+27 35.9	1.911	1.723	31.2	18.4	64 E	55*	25*
3 27	4 6.15	+29 49.8	1.970	1.696	30.4	18.4	59 E	52*	22*
4 6	4 30.70	+31 50.7	2.024	1.672	29.5	18.4	55 E	48*	20*
4 16	4 57.48	+33 35.3	2.072	1.650	28.5	18.4	52 E	44*	19*
4 26	5 26.34	+35 0.1	2.115	1.630	27.5	18.4	48 E	41*	17*
5 6	5 57.07	+36 1.3	2.154	1.614	26.4	18.4	45 E	37*	16*
5 16	6 29.36	+36 35.5	2.189	1.601	25.4	18.4	43 E	34*	16*
5 21	6 45.96	+36 41.5	2.206	1.596	24.8	18.4	41 E	33*	15*
5 26	7 2.78	+36 39.9	2.222	1.591	24.3	18.4	40 E	31*	15*
5 31	7 19.74	+36 30.3	2.238	1.588	23.8	18.4	39 E	30*	15*
6 5	7 36.79	+36 12.8	2.254	1.585	23.3	18.4	38 E	29*	15*
6 10	7 53.87	+35 47.4	2.269	1.583	22.8	18.4	37 E	27*	15*
6 15	8 10.89	+35 14.0	2.285	1.582	22.3	18.4	36 E	26*	15*
6 20	8 27.80	+34 33.0	2.300	1.582	21.7	18.4	35 E	25*	15*
6 25	8 44.54	+33 44.5	2.316	1.583	21.2	18.4	34 E	24*	15*
6 30	9 1.06	+32 49.0	2.332	1.585	20.7	18.4	33 E	23*	15*
7 5	9 17.33	+31 46.8	2.349	1.588	20.1	18.4	32 E	22*	15*
7 10	9 33.31	+30 38.5	2.366	1.591	19.6	18.4	32 E	21*	15*
7 15	9 48.99	+29 24.4	2.383	1.596	19.0	18.4	31 E	20*	15*
7 20	10 4.35	+28 5.3	2.401	1.601	18.4	18.4	30 E	19*	15*
7 25	10 19.37	+26 41.6	2.420	1.607	17.8	18.4	29 E	18*	14*
7 30	10 34.05	+25 14.0	2.439	1.614	17.2	18.4	28 E	17*	14*
8 4	10 48.41	+23 42.9	2.459	1.622	16.5	18.4	27 E	17*	13*
8 9	11 2.46	+22 9.0	2.479	1.630	15.9	18.4	26 E	16*	13*
8 14	11 16.19	+20 32.8	2.500	1.640	15.2	18.4	25 E	15*	12*
8 24	11 42.79	+17 15.6	2.544	1.660	13.7	18.4	23 E	14*	11*
9 3	12 8.35	+13 55.3	2.588	1.683	12.3	18.4	21 E	12*	9*
9 13	12 33.02	+10 35.1	2.634	1.709	10.7	18.4	18 E	11*	6*
9 23	12 56.92	+ 7 18.2	2.679	1.737	9.2	18.5	16 E	9*	4*
10 3	13 20.21	+ 4 6.8	2.723	1.767	7.7	18.5	14 E	7*	—
10 13	13 42.99	+ 1 2.9	2.764	1.798	6.4	18.5	12 E	6*	—
10 23	14 5.35	− 1 51.8	2.801	1.830	5.5	18.5	10 E	3*	—
11 2	14 27.36	− 4 36.2	2.833	1.864	5.3	18.6	10 W	1*	—

5999 Plescia *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
11 12	14 49.08	− 7 9.5	2.859	1.899	5.9	18.6	11 W	5*	—
11 22	15 10.53	− 9 31.1	2.877	1.934	7.2	18.8	14 W	8*	—
12 2	15 31.72	−11 40.7	2.887	1.970	8.8	18.9	18 W	11*	2*
12 12	15 52.62	−13 38.4	2.887	2.007	10.5	19.0	22 W	14*	7*
12 22	16 13.19	−15 24.3	2.877	2.043	12.4	19.1	26 W	16*	13*
1 1	16 33.39	−16 58.9	2.856	2.080	14.2	19.2	31 W	17*	19*
1 11	16 53.12	−18 23.0	2.824	2.116	16.0	19.3	37 W	18*	26*
1 21	17 12.29	−19 37.6	2.781	2.153	17.8	19.3	42 W	19*	32*

159542 2001 QN_{294}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	2 22.87	+16 18.5	1.906	2.581	18.6	21.4	123 E	61	48
1 6	2 24.14	+16 8.4	2.035	2.588	20.4	21.6	113 E	61	48*
1 16	2 28.01	+16 12.3	2.172	2.594	21.6	21.8	104 E	61	47*
1 26	2 34.18	+16 28.3	2.314	2.599	22.2	22.0	95 E	61	45*
2 5	2 42.30	+16 54.0	2.457	2.603	22.2	22.1	87 E	62*	42*

16834 1997 WU_{22}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	2 23.16	+22 12.0	1.378	2.103	22.5	19.0	125 E	67	42
1 6	2 23.24	+20 38.3	1.483	2.092	25.3	19.2	115 E	66	43*
1 16	2 26.95	+19 32.2	1.596	2.079	27.2	19.4	105 E	65	44*
1 26	2 33.69	+18 50.1	1.711	2.062	28.3	19.6	96 E	64	42*
2 5	2 42.94	+18 27.6	1.826	2.043	28.8	19.7	88 E	63*	40*
2 15	2 54.29	+18 20.2	1.937	2.020	28.8	19.8	80 E	62*	38*
2 25	3 7.43	+18 23.8	2.041	1.995	28.4	19.9	73 E	58*	35*
3 7	3 22.10	+18 34.6	2.137	1.966	27.6	19.9	67 E	54*	33*
3 17	3 38.13	+18 49.4	2.223	1.935	26.5	20.0	60 E	48*	31*
3 27	3 55.40	+19 5.4	2.298	1.900	25.3	20.0	54 E	43*	29*
4 6	4 13.80	+19 19.9	2.360	1.862	23.9	19.9	49 E	37*	27*
4 16	4 33.27	+19 30.6	2.410	1.822	22.4	19.9	44 E	31*	25*
4 26	4 53.75	+19 35.3	2.446	1.778	20.8	19.8	39 E	26*	23*
5 6	5 15.21	+19 31.9	2.470	1.731	19.1	19.7	34 E	20*	21*
5 16	5 37.64	+19 18.5	2.480	1.680	17.5	19.6	30 E	15*	19*
5 26	6 1.02	+18 53.1	2.477	1.627	15.8	19.5	26 E	10*	17*
6 5	6 25.34	+18 13.9	2.461	1.571	14.2	19.3	22 E	5*	15*
6 15	6 50.63	+17 19.0	2.434	1.511	12.7	19.2	19 E	1*	13*
6 25	7 16.92	+16 6.7	2.396	1.449	11.4	19.0	16 E	—	10*
7 5	7 44.27	+14 35.2	2.348	1.384	10.3	18.8	14 E	—	8*
7 15	8 12.77	+12 43.1	2.292	1.317	9.5	18.6	12 E	—	6*
7 25	8 42.54	+10 29.1	2.230	1.248	9.0	18.4	11 E	—	4*
8 4	9 13.77	+ 7 52.6	2.162	1.178	8.9	18.2	10 E	—	2*
8 14	9 46.72	+ 4 53.5	2.092	1.109	9.2	18.0	10 E	—	1*
8 24	10 21.66	+ 1 33.5	2.022	1.041	9.7	17.8	10 E	—	1*
9 3	10 59.01	− 2 3.6	1.953	0.976	10.5	17.7	10 E	—	1*
9 8	11 18.70	− 3 56.7	1.921	0.946	10.9	17.6	10 E	—	1*
9 13	11 39.14	− 5 51.3	1.890	0.919	11.5	17.5	10 E	—	2*
9 18	12 0.37	− 7 46.0	1.860	0.893	12.2	17.4	11 E	—	2*
9 23	12 22.42	− 9 39.0	1.833	0.871	13.0	17.4	11 E	—	3*
9 28	12 45.31	−11 28.6	1.808	0.852	13.9	17.3	12 E	—	4*
10 3	13 9.03	−13 12.5	1.786	0.837	15.0	17.3	12 E	—	6*
10 8	13 33.55	−14 48.7	1.766	0.826	16.1	17.3	13 E	—	7*
10 13	13 58.79	−16 15.1	1.750	0.820	17.4	17.3	14 E	—	8*
10 18	14 24.64	−17 29.7	1.737	0.819	18.7	17.3	15 E	—	9*
10 23	14 50.95	−18 30.8	1.728	0.823	20.0	17.4	16 E	—	10*
10 28	15 17.57	−19 17.3	1.722	0.831	21.2	17.4	18 E	1*	12*
11 2	15 44.31	−19 48.5	1.720	0.844	22.3	17.5	19 E	3*	13*
11 7	16 10.96	−20 4.2	1.723	0.861	23.2	17.6	20 E	4*	13*
11 12	16 37.33	−20 4.6	1.729	0.882	23.9	17.6	21 E	6*	14*
11 17	17 3.24	−19 50.5	1.740	0.906	24.4	17.7	22 E	8*	14*
11 22	17 28.54	−19 23.1	1.755	0.933	24.7	17.8	23 E	9*	15*
11 27	17 53.11	−18 43.7	1.774	0.962	24.8	17.9	24 E	11*	14*
12 2	18 16.88	−17 53.8	1.796	0.993	24.7	18.0	25 E	13*	14*
12 7	18 39.79	−16 54.9	1.822	1.025	24.4	18.1	26 E	14*	14*
12 12	19 1.81	−15 48.5	1.852	1.058	24.0	18.2	26 E	15*	13*
12 17	19 22.93	−14 36.1	1.885	1.092	23.5	18.3	26 E	16*	12*
12 22	19 43.17	−13 18.8	1.920	1.127	22.8	18.4	26 E	17*	11*
12 27	20 2.57	−11 58.0	1.958	1.162	22.1	18.4	26 E	18*	10*
1 1	20 21.16	−10 34.5	1.997	1.197	21.3	18.5	26 E	18*	9*
1 6	20 39.00	− 9 9.1	2.039	1.232	20.4	18.6	26 E	18*	8*
1 11	20 56.13	− 7 42.5	2.082	1.266	19.5	18.7	25 E	18*	6*
1 16	21 12.60	− 6 15.5	2.126	1.301	18.5	18.8	25 E	18*	5*
1 21	21 28.45	− 4 48.4	2.170	1.335	17.6	18.8	24 E	18*	4*

155002 2005 NN_{102}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	2 23.77	+ 9 52.7	1.288	1.987	25.0	19.4	121 E	55	54
1 6	2 31.39	+10 51.8	1.426	2.027	26.4	19.7	113 E	56	53
1 16	2 41.16	+11 57.9	1.571	2.068	27.2	20.0	106 E	57	52*
1 26	2 52.72	+13 8.1	1.722	2.109	27.5	20.2	99 E	58	49*
2 5	3 5.72	+14 19.5	1.878	2.150	27.3	20.5	92 E	59	46*
2 15	3 19.92	+15 30.0	2.036	2.191	26.7	20.7	85 E	60*	43*
2 25	3 35.10	+16 37.7	2.195	2.232	25.8	20.8	79 E	59*	41*
3 7	3 51.08	+17 41.2	2.353	2.272	24.7	21.0	73 E	57*	38*

155002 2005 NN_{102} *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 17	4 7.70	+18 39.3	2.508	2.312	23.4	21.1	67 E	53*	36*
3 27	4 24.85	+19 30.9	2.660	2.352	21.9	21.2	61 E	48*	33*
4 6	4 42.40	+20 15.3	2.807	2.391	20.2	21.3	56 E	43*	31*
4 16	5 0.25	+20 51.9	2.947	2.429	18.5	21.4	50 E	37*	29*
4 26	5 18.31	+21 20.3	3.080	2.467	16.6	21.5	45 E	31*	26*

360643 2004 HY_{53}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	2 24.17	+24 11.1	1.311	2.047	23.0	20.1	126 E	69	40
1 6	2 29.71	+24 2.3	1.438	2.077	25.0	20.4	117 E	69	40
1 16	2 38.08	+24 6.7	1.574	2.106	26.3	20.7	109 E	69	40*
1 26	2 48.79	+24 22.0	1.716	2.135	26.9	20.9	101 E	69	38*
2 5	3 1.41	+24 45.3	1.861	2.163	27.0	21.1	94 E	70	36*
2 15	3 15.60	+25 13.9	2.009	2.192	26.7	21.3	87 E	70*	34*
2 25	3 31.07	+25 45.1	2.156	2.219	26.1	21.5	80 E	67*	32*

429845 2012 QX_{40}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	2 24.78	+27 44.5	1.904	2.611	17.6	21.4	126 E	73	36
1 6	2 26.34	+27 21.3	2.053	2.647	19.4	21.7	117 E	72	37
1 16	2 30.60	+27 10.0	2.211	2.681	20.4	21.9	108 E	72	36*
1 26	2 37.18	+27 9.7	2.377	2.715	21.0	22.1	99 E	72	35*
2 5	2 45.67	+27 18.9	2.545	2.748	21.0	22.3	91 E	72	33*

100333 1995 SN_5

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	2 24.90	+41 7.9	2.137	2.845	15.9	20.5	128 E	86	23
1 1	2 23.70	+40 40.8	2.198	2.855	16.8	20.6	123 E	86	23
1 6	2 23.40	+40 15.6	2.261	2.863	17.6	20.7	118 E	85	24*
1 11	2 23.94	+39 52.9	2.328	2.872	18.2	20.8	114 E	85	24*
1 16	2 25.27	+39 32.9	2.398	2.880	18.8	20.9	110 E	85	24*
1 21	2 27.32	+39 16.0	2.469	2.889	19.2	20.9	105 E	84	23*
1 26	2 30.05	+39 2.1	2.541	2.897	19.5	21.0	101 E	84	23*
1 31	2 33.38	+38 51.1	2.615	2.904	19.7	21.1	97 E	84	22*
2 5	2 37.27	+38 43.0	2.689	2.912	19.8	21.2	93 E	84*	21*
2 10	2 41.68	+38 37.6	2.763	2.919	19.8	21.2	89 E	82*	20*
2 15	2 46.57	+38 34.8	2.837	2.926	19.7	21.3	85 E	79*	20*
2 20	2 51.90	+38 34.3	2.910	2.932	19.5	21.3	82 E	75*	19*
2 25	2 57.62	+38 36.0	2.983	2.939	19.2	21.4	78 E	72*	18*
3 2	3 3.71	+38 39.5	3.054	2.945	18.9	21.4	74 E	68*	17*
3 7	3 10.13	+38 44.6	3.124	2.951	18.5	21.5	71 E	65*	16*

358453 2007 EH_{88}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	2 25.17	+69 56.8	0.317	1.182	44.8	19.5	122 E	65	—
12 28	2 32.12	+69 4.1	0.323	1.189	44.2	19.5	123 E	66	—
12 29	2 38.47	+68 12.2	0.330	1.196	43.6	19.6	123 E	67	—
12 30	2 44.29	+67 21.3	0.337	1.202	43.1	19.6	123 E	68	—
12 31	2 49.68	+66 31.3	0.345	1.209	42.6	19.7	124 E	68	—
1 1	2 54.68	+65 42.4	0.352	1.215	42.1	19.7	124 E	69	—
1 2	2 59.35	+64 54.6	0.360	1.222	41.7	19.7	124 E	70	—
1 3	3 3.74	+64 7.8	0.367	1.228	41.4	19.8	124 E	71	—
1 4	3 7.87	+63 22.1	0.375	1.235	41.0	19.8	124 E	72	1
1 5	3 11.79	+62 37.5	0.383	1.241	40.7	19.9	125 E	72	1
1 6	3 15.52	+61 53.9	0.391	1.247	40.4	19.9	125 E	73	2
1 8	3 22.48	+60 29.9	0.407	1.260	40.0	20.0	125 E	74	3
1 10	3 28.92	+59 9.9	0.423	1.272	39.6	20.1	124 E	76	5
1 12	3 34.94	+57 53.8	0.440	1.284	39.3	20.2	124 E	77	6
1 14	3 40.64	+56 41.5	0.458	1.296	39.1	20.3	124 E	78	7
1 16	3 46.07	+55 32.7	0.476	1.307	39.0	20.4	123 E	79	8
1 18	3 51.28	+54 27.4	0.494	1.318	38.9	20.5	123 E	81	10
1 20	3 56.33	+53 25.2	0.513	1.330	38.8	20.6	122 E	82	11
1 22	4 1.22	+52 26.1	0.532	1.340	38.8	20.7	121 E	83	12
1 24	4 6.00	+51 29.9	0.551	1.351	38.8	20.8	121 E	83	12
1 26	4 10.68	+50 36.4	0.571	1.362	38.9	20.9	120 E	84	13
1 31	4 22.05	+48 33.2	0.622	1.387	39.1	21.1	117 E	86	15
2 5	4 33.08	+46 43.5	0.675	1.411	39.3	21.4	115 E	88	17
2 10	4 43.92	+45 5.0	0.729	1.433	39.5	21.6	112 E	90	19
2 15	4 54.65	+43 36.2	0.785	1.454	39.7	21.8	110 E	89	20

30800 1989 *ST*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	2 27.03	+19 54.7	1.558	2.273	20.7	18.4	125 E	65	44
1 6	2 31.09	+19 39.7	1.696	2.304	22.6	18.6	116 E	65	44
1 16	2 37.71	+19 39.5	1.844	2.335	23.7	18.9	107 E	65	44*
1 26	2 46.49	+19 51.5	1.998	2.365	24.3	19.1	99 E	65	42*
2 5	2 57.06	+20 12.7	2.155	2.394	24.3	19.3	92 E	65	40*
2 15	3 9.11	+20 40.3	2.313	2.423	23.9	19.5	84 E	65*	38*
2 25	3 22.38	+21 11.9	2.470	2.451	23.2	19.6	77 E	62*	35*
3 7	3 36.65	+21 45.2	2.623	2.479	22.2	19.7	71 E	58*	33*
3 17	3 51.77	+22 18.4	2.772	2.506	21.0	19.8	64 E	53*	30*
3 27	4 7.57	+22 49.9	2.915	2.532	19.5	19.9	58 E	47*	28*
4 6	4 23.93	+23 18.2	3.050	2.557	17.9	20.0	52 E	41*	26*
4 16	4 40.74	+23 42.2	3.176	2.582	16.2	20.0	46 E	35*	23*
4 26	4 57.89	+24 1.1	3.292	2.605	14.4	20.1	40 E	29*	21*

30800 1989 *ST* *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
5 6	5 15.29	+24 14.2	3.397	2.628	12.5	20.1	34 E	23*	18*
5 16	5 32.85	+24 20.9	3.491	2.650	10.6	20.1	29 E	17*	15*
5 26	5 50.49	+24 20.8	3.572	2.671	8.6	20.1	23 E	12*	12*
6 5	6 8.12	+24 13.8	3.641	2.691	6.5	20.1	18 E	6*	8*
6 15	6 25.69	+23 59.8	3.695	2.710	4.5	20.0	12 E	2*	4*
6 25	6 43.10	+23 38.9	3.736	2.729	2.4	19.9	7 E	—	—
7 5	7 0.30	+23 11.2	3.763	2.746	0.4	19.8	1 E	—	—
7 15	7 17.22	+22 37.2	3.775	2.763	1.7	19.9	5 W	—	—
7 25	7 33.81	+21 57.1	3.772	2.778	3.8	20.1	10 W	2*	2*
8 4	7 50.01	+21 11.5	3.754	2.793	5.8	20.2	16 W	7*	6*
8 14	8 5.77	+20 21.0	3.721	2.807	7.7	20.2	22 W	13*	10*
8 24	8 21.02	+19 26.2	3.674	2.819	9.6	20.3	28 W	19*	13*
9 3	8 35.71	+18 27.8	3.613	2.831	11.4	20.4	34 W	25*	17*
9 13	8 49.78	+17 26.7	3.538	2.842	13.2	20.4	40 W	31*	20*
9 23	9 3.15	+16 23.9	3.449	2.852	14.8	20.4	46 W	36*	24*
10 3	9 15.73	+15 20.2	3.348	2.861	16.2	20.4	53 W	42*	27*
10 13	9 27.43	+14 16.8	3.236	2.869	17.5	20.4	60 W	48*	31*
10 23	9 38.12	+13 14.9	3.114	2.876	18.6	20.3	67 W	52*	35*
11 2	9 47.67	+12 15.8	2.984	2.882	19.4	20.3	75 W	55*	39*
11 12	9 55.87	+11 21.1	2.847	2.887	19.9	20.2	82 W	56*	44*
11 22	10 2.54	+10 32.3	2.707	2.892	20.0	20.1	91 W	56	48*
12 2	10 7.44	+ 9 51.3	2.566	2.895	19.6	19.9	99 W	55	52*
12 12	10 10.31	+ 9 19.8	2.428	2.897	18.8	19.8	109 W	54	55*
12 22	10 10.90	+ 8 59.6	2.296	2.898	17.3	19.6	119 W	54	55
1 1	10 9.01	+ 8 52.2	2.176	2.898	15.3	19.4	129 W	54	55
1 11	10 4.56	+ 8 58.4	2.072	2.898	12.5	19.2	140 W	54	55
1 21	9 57.69	+ 9 17.8	1.989	2.896	9.1	19.0	152 W	54	55

97679 2000 GG_2

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	2 27.34	−49 16.2	1.229	1.581	38.5	19.6	90 E	—	67
1 1	2 30.09	−48 26.6	1.273	1.589	38.2	19.7	89 E	—	68
1 6	2 33.82	−47 31.3	1.314	1.598	37.9	19.7	87 E	—	68
1 11	2 38.44	−46 31.1	1.353	1.607	37.6	19.8	85 E	—	69*
1 16	2 43.87	−45 26.6	1.390	1.616	37.3	19.9	84 E	—	70*
1 21	2 50.04	−44 18.6	1.425	1.624	36.9	19.9	83 E	1	71*
1 26	2 56.89	−43 7.5	1.458	1.633	36.6	20.0	81 E	2	71*
1 31	3 4.35	−41 53.7	1.488	1.641	36.3	20.0	80 E	3	71*
2 5	3 12.37	−40 37.4	1.517	1.649	36.0	20.1	79 E	4	70*
2 10	3 20.90	−39 19.0	1.545	1.657	35.7	20.1	78 E	6	70*
2 15	3 29.92	−37 58.7	1.570	1.665	35.4	20.1	78 E	7*	70*
2 20	3 39.38	−36 36.8	1.595	1.672	35.1	20.2	77 E	8*	69*
2 25	3 49.25	−35 13.7	1.618	1.679	34.9	20.2	76 E	9*	69*
3 2	3 59.50	−33 49.5	1.640	1.687	34.6	20.2	75 E	10*	68*
3 7	4 10.10	−32 24.4	1.662	1.693	34.4	20.3	75 E	11*	68*
3 12	4 21.03	−30 58.8	1.683	1.700	34.2	20.3	74 E	11*	67*
3 17	4 32.26	−29 32.9	1.704	1.707	33.9	20.3	73 E	12*	67*
3 22	4 43.77	−28 7.2	1.725	1.713	33.7	20.4	72 E	12*	66*
3 27	4 55.54	−26 42.0	1.746	1.719	33.5	20.4	72 E	12*	66*
4 1	5 7.53	−25 17.5	1.767	1.724	33.2	20.4	71 E	12*	65*
4 6	5 19.73	−23 54.1	1.789	1.730	33.0	20.4	70 E	12*	64*
4 11	5 32.12	−22 32.2	1.812	1.735	32.7	20.5	69 E	12*	63*
4 16	5 44.66	−21 12.1	1.836	1.740	32.5	20.5	69 E	11*	62*
4 21	5 57.35	−19 54.3	1.860	1.744	32.2	20.5	68 E	11*	61*
4 26	6 10.14	−18 39.1	1.886	1.749	31.9	20.5	67 E	10*	60*
5 1	6 23.01	−17 26.8	1.913	1.753	31.5	20.6	65 E	9*	59*
5 6	6 35.95	−16 17.6	1.942	1.756	31.1	20.6	64 E	8*	58*
5 11	6 48.93	−15 11.9	1.971	1.760	30.7	20.6	63 E	7*	57*
5 16	7 1.93	−14 9.9	2.002	1.763	30.3	20.6	62 E	5*	56*
5 21	7 14.93	−13 11.7	2.034	1.766	29.8	20.7	60 E	4*	54*
5 26	7 27.91	−12 17.6	2.067	1.768	29.3	20.7	59 E	2*	53*
5 31	7 40.85	−11 27.5	2.101	1.771	28.8	20.7	57 E	1*	51*
6 5	7 53.74	−10 41.5	2.136	1.773	28.2	20.7	56 E	—	49*
6 10	8 6.56	− 9 59.7	2.172	1.774	27.5	20.8	54 E	—	47*
6 15	8 19.31	− 9 22.0	2.208	1.776	26.8	20.8	52 E	—	45*
6 20	8 31.96	− 8 48.3	2.245	1.777	26.1	20.8	50 E	—	43*
6 25	8 44.52	− 8 18.6	2.281	1.777	25.3	20.8	48 E	—	41*
6 30	8 56.97	− 7 52.6	2.318	1.778	24.5	20.8	46 E	—	39*
7 5	9 9.32	− 7 30.3	2.354	1.778	23.6	20.8	45 E	—	37*
7 10	9 21.57	− 7 11.5	2.390	1.778	22.7	20.8	42 E	—	35*
7 15	9 33.71	− 6 55.9	2.425	1.777	21.8	20.8	40 E	—	33*
7 20	9 45.74	− 6 43.4	2.459	1.777	20.7	20.8	38 E	—	30*
7 25	9 57.67	− 6 33.8	2.492	1.775	19.7	20.8	36 E	—	28*
7 30	10 9.50	− 6 26.8	2.524	1.774	18.6	20.8	34 E	—	26*
8 4	10 21.23	− 6 22.2	2.554	1.772	17.5	20.8	32 E	—	23*
8 9	10 32.88	− 6 19.8	2.582	1.770	16.3	20.8	29 E	—	21*
8 14	10 44.46	− 6 19.5	2.608	1.768	15.1	20.8	27 E	—	19*
8 19	10 55.96	− 6 20.8	2.632	1.765	13.9	20.7	25 E	—	17*
8 24	11 7.39	− 6 23.6	2.654	1.762	12.7	20.7	22 E	—	14*
8 29	11 18.78	− 6 27.7	2.673	1.759	11.4	20.7	20 E	—	12*
9 3	11 30.12	− 6 32.8	2.690	1.756	10.1	20.6	18 E	—	10*
9 8	11 41.44	− 6 38.8	2.703	1.752	8.7	20.6	15 E	—	7*
9 13	11 52.73	− 6 45.4	2.714	1.748	7.4	20.5	13 E	—	5*

97679 2000 GG_2 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
9 18	12 4.02	− 6 52.3	2.722	1.743	6.0	20.5	10 E	—	3*
9 23	12 15.30	− 6 59.3	2.727	1.739	4.6	20.4	8 E	—	1*
10 3	12 37.93	− 7 12.8	2.726	1.728	2.0	20.2	3 E	—	—
10 13	13 0.71	− 7 24.0	2.713	1.717	1.7	20.2	3 W	—	—
10 23	13 23.74	− 7 30.7	2.687	1.705	4.3	20.3	7 W	1*	—
11 2	13 47.11	− 7 30.9	2.648	1.692	7.2	20.4	12 W	6*	—
11 12	14 10.92	− 7 22.3	2.597	1.678	10.1	20.4	17 W	11*	2*
11 22	14 35.24	− 7 2.5	2.535	1.663	13.0	20.5	22 W	16*	4*
12 2	15 0.18	− 6 29.0	2.463	1.647	15.8	20.5	27 W	20*	7*
12 12	15 25.78	− 5 39.1	2.384	1.631	18.5	20.5	32 W	24*	10*
12 22	15 52.10	− 4 30.2	2.299	1.614	21.1	20.5	36 W	28*	13*
1 1	16 19.20	− 2 59.8	2.211	1.596	23.6	20.4	40 W	31*	16*
1 11	16 47.08	− 1 6.0	2.123	1.578	25.8	20.4	44 W	34*	20*
1 21	17 15.72	+ 1 12.7	2.038	1.560	27.9	20.4	48 W	37*	23*

382615 2002 NM_{71}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	2 30.08	+36 47.1	0.897	1.694	27.0	19.6	129 E	82	27
1 1	2 37.58	+34 55.8	0.935	1.704	28.1	19.8	125 E	80	29
1 6	2 45.56	+33 13.5	0.978	1.716	29.1	19.9	122 E	78	31
1 11	2 53.96	+31 40.5	1.024	1.727	30.0	20.0	119 E	77	32
1 16	3 2.70	+30 16.5	1.074	1.740	30.7	20.2	115 E	75	34*
1 26	3 21.02	+27 53.7	1.181	1.766	31.8	20.4	109 E	73	36*
2 5	3 40.16	+25 59.8	1.298	1.793	32.4	20.7	103 E	71	37*
2 15	3 59.86	+24 28.5	1.423	1.823	32.6	20.9	97 E	69	38*
2 25	4 19.96	+23 14.1	1.554	1.854	32.3	21.2	91 E	68*	39*
3 7	4 40.31	+22 11.0	1.688	1.886	31.6	21.4	85 E	66*	39*

381147 2007 GX_1

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	2 31.20	+33 43.3	1.367	2.124	21.2	20.2	129 E	79	30
1 1	2 28.85	+33 49.1	1.398	2.105	22.9	20.2	123 E	79	30
1 6	2 27.70	+33 56.3	1.431	2.087	24.5	20.3	118 E	79	30
1 11	2 27.72	+34 5.3	1.467	2.068	25.8	20.4	114 E	79	30*
1 16	2 28.87	+34 16.6	1.504	2.049	27.0	20.5	109 E	79	29*
1 26	2 34.37	+34 47.0	1.581	2.012	28.7	20.6	101 E	80	27*
2 5	2 43.73	+35 27.4	1.658	1.976	29.9	20.7	93 E	80	25*
2 15	2 56.58	+36 16.1	1.734	1.940	30.5	20.7	86 E	78*	23*
2 25	3 12.62	+37 10.6	1.806	1.904	30.8	20.8	80 E	74*	20*
3 7	3 31.56	+38 7.3	1.872	1.870	30.8	20.8	74 E	68*	18*
3 17	3 53.25	+39 2.4	1.934	1.837	30.5	20.9	69 E	63*	17*
3 27	4 17.51	+39 51.6	1.989	1.805	30.0	20.9	65 E	59*	16*
4 6	4 44.12	+40 30.4	2.039	1.774	29.4	20.9	61 E	54*	15*
4 16	5 12.85	+40 54.1	2.083	1.746	28.7	20.9	57 E	50*	15*
4 26	5 43.37	+40 58.4	2.123	1.720	27.9	20.9	53 E	47*	14*
5 6	6 15.23	+40 39.4	2.159	1.695	27.1	20.8	50 E	43*	15*
5 16	6 47.95	+39 54.1	2.192	1.674	26.2	20.8	47 E	39*	15*
5 26	7 20.96	+38 40.9	2.223	1.655	25.3	20.8	44 E	36*	16*
6 5	7 53.75	+36 59.3	2.253	1.640	24.3	20.8	42 E	32*	17*
6 15	8 25.88	+34 50.5	2.283	1.627	23.2	20.7	39 E	28*	17*
6 25	8 57.03	+32 16.6	2.314	1.618	22.1	20.7	37 E	25*	18*
7 5	9 26.99	+29 20.8	2.346	1.613	20.8	20.7	34 E	22*	18*
7 15	9 55.72	+26 6.7	2.381	1.611	19.5	20.7	32 E	19*	18*
7 25	10 23.22	+22 38.4	2.416	1.612	18.1	20.7	30 E	16*	18*
8 4	10 49.59	+18 59.7	2.455	1.617	16.5	20.7	27 E	14*	16*
8 14	11 14.96	+15 14.3	2.494	1.626	14.9	20.7	24 E	11*	15*
8 24	11 39.49	+11 25.7	2.535	1.638	13.1	20.7	22 E	9*	13*
9 3	12 3.32	+ 7 36.8	2.577	1.654	11.3	20.6	19 E	7*	11*
9 13	12 26.62	+ 3 50.2	2.619	1.672	9.4	20.6	16 E	5*	8*
9 23	12 49.53	+ 0 8.3	2.659	1.693	7.4	20.6	12 E	3*	5*
10 3	13 12.18	− 3 27.1	2.698	1.717	5.3	20.6	9 E	1*	2*
10 13	13 34.69	− 6 54.5	2.734	1.743	3.2	20.5	6 E	—	—
10 23	13 57.16	−10 12.4	2.766	1.772	1.2	20.4	2 E	—	—
11 2	14 19.67	−13 19.9	2.793	1.802	1.4	20.5	2 W	—	—
11 12	14 42.27	−16 16.1	2.814	1.834	3.4	20.7	6 W	—	—
11 22	15 4.99	−19 0.2	2.829	1.867	5.6	20.9	11 W	2*	3*
12 2	15 27.84	−21 31.9	2.837	1.901	7.7	21.0	15 W	4*	7*
12 12	15 50.82	−23 50.8	2.836	1.936	9.8	21.1	20 W	6*	12*
12 22	16 13.86	−25 57.0	2.827	1.972	11.8	21.2	24 W	7*	17*
1 1	16 36.92	−27 50.6	2.810	2.009	13.8	21.3	29 W	7*	22*
1 11	16 59.87	−29 32.3	2.784	2.046	15.7	21.4	34 W	7*	28*

500080 2011 WV_{134}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	2 31.24	+ 6 23.5	1.856	2.516	19.4	21.4	122 E	51	58
1 6	2 27.67	+ 6 32.2	1.908	2.439	22.1	21.5	111 E	52	57
1 16	2 27.19	+ 6 57.5	1.967	2.359	24.2	21.6	101 E	52	56*
1 26	2 29.73	+ 7 37.5	2.027	2.278	25.6	21.6	92 E	53	52*
2 5	2 35.07	+ 8 29.9	2.084	2.195	26.5	21.6	83 E	53*	48*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	480824 1999 JO_6								
	h m	° ′			°	m	°	°	°
12 27	2 31.27	+11 59.2	1.527	2.230	21.5	20.4	124 E	57	52
1 6	2 32.17	+14 4.0	1.698	2.289	23.0	20.7	115 E	59	50
1 16	2 35.99	+16 0.2	1.878	2.347	23.8	21.0	106 E	61	47*
1 26	2 42.21	+17 49.2	2.065	2.404	23.9	21.3	98 E	63	44*
2 5	2 50.38	+19 31.8	2.256	2.460	23.6	21.5	90 E	65	40*
	292819 2006 UG_{261}								
12 27	2 31.40	+ 1 31.0	1.492	2.156	23.3	20.7	120 E	47	62
1 6	2 35.94	+ 2 58.1	1.632	2.192	24.7	21.0	112 E	48	61
1 16	2 42.83	+ 4 30.6	1.779	2.227	25.4	21.3	104 E	50	59*
1 26	2 51.71	+ 6 5.4	1.932	2.262	25.6	21.5	96 E	51	56*
2 5	3 2.24	+ 7 39.8	2.088	2.297	25.4	21.7	89 E	53	52*
	329555 2002 UB_3								
12 27	2 31.77	− 1 28.7	0.986	1.693	30.7	18.6	118 E	44	65
1 1	2 34.64	+ 1 1.1	1.034	1.705	31.4	18.8	115 E	46	63
1 6	2 38.32	+ 3 24.9	1.085	1.717	32.0	18.9	112 E	48	61
1 11	2 42.74	+ 5 42.2	1.138	1.731	32.5	19.0	109 E	51	58*
1 16	2 47.86	+ 7 52.8	1.194	1.744	32.8	19.2	106 E	53	56*
1 26	2 59.96	+11 54.2	1.314	1.773	33.1	19.4	100 E	57	51*
2 5	3 14.17	+15 29.8	1.441	1.804	33.0	19.7	94 E	60	46*
2 15	3 30.20	+18 41.0	1.573	1.837	32.5	19.9	89 E	64*	42*
2 25	3 47.77	+21 29.5	1.709	1.871	31.7	20.1	83 E	65*	38*
3 7	4 6.65	+23 56.4	1.847	1.905	30.6	20.3	78 E	64*	34*
3 17	4 26.65	+26 2.9	1.987	1.941	29.3	20.4	73 E	61*	32*
3 27	4 47.59	+27 50.0	2.125	1.978	27.9	20.6	68 E	57*	29*
4 6	5 9.27	+29 18.4	2.262	2.015	26.3	20.7	63 E	53*	27*
4 16	5 31.55	+30 28.9	2.396	2.052	24.6	20.8	58 E	48*	25*
4 26	5 54.26	+31 22.1	2.526	2.090	22.8	20.9	53 E	44*	24*
5 6	6 17.21	+31 58.7	2.651	2.127	20.9	21.0	49 E	39*	22*
5 16	6 40.27	+32 19.8	2.770	2.165	19.0	21.1	44 E	34*	20*
5 26	7 3.28	+32 26.1	2.883	2.202	17.1	21.1	40 E	29*	18*
6 5	7 26.11	+32 18.9	2.988	2.240	15.2	21.2	35 E	25*	16*
6 15	7 48.66	+31 59.2	3.085	2.276	13.3	21.2	31 E	20*	14*
6 25	8 10.83	+31 28.3	3.173	2.313	11.5	21.2	27 E	17*	11*
7 5	8 32.54	+30 47.6	3.252	2.349	9.7	21.2	23 E	14*	8*
7 15	8 53.76	+29 58.3	3.321	2.385	8.1	21.3	19 E	12*	5*
7 25	9 14.44	+29 2.0	3.379	2.419	6.7	21.3	16 E	10*	1*
8 4	9 34.58	+27 59.9	3.427	2.454	5.7	21.3	14 E	8*	—
8 14	9 54.16	+26 53.5	3.462	2.487	5.4	21.3	13 E	6*	—
8 24	10 13.19	+25 44.2	3.486	2.520	5.8	21.4	15 E	5*	—
9 3	10 31.68	+24 33.2	3.498	2.552	6.8	21.5	17 W	9*	—
	98889 2001 BL_{38}								
12 27	2 32.12	+48 35.9	3.004	3.695	12.1	20.0	128 E	86	15
1 1	2 30.53	+47 50.3	3.048	3.691	12.7	20.0	124 E	87	16
1 6	2 29.71	+47 5.7	3.096	3.688	13.3	20.1	120 E	88	17
1 11	2 29.62	+46 22.7	3.148	3.684	13.9	20.1	116 E	89	18*
1 16	2 30.22	+45 41.7	3.203	3.680	14.4	20.2	112 E	89	18*
1 21	2 31.48	+45 3.3	3.261	3.675	14.8	20.2	107 E	90	18*
1 26	2 33.34	+44 27.5	3.321	3.671	15.1	20.3	103 E	89	18*
2 5	2 38.71	+43 24.8	3.446	3.661	15.6	20.4	95 E	88*	17*
2 15	2 46.02	+42 33.8	3.573	3.650	15.7	20.4	87 E	81*	16*
2 25	2 54.96	+41 54.1	3.700	3.638	15.5	20.5	79 E	73*	15*
3 7	3 5.29	+41 24.3	3.823	3.625	15.0	20.5	71 E	65*	13*
3 17	3 16.80	+41 3.0	3.939	3.611	14.3	20.6	64 E	58*	11*
3 27	3 29.32	+40 48.8	4.045	3.597	13.4	20.6	57 E	51*	9*
4 6	3 42.69	+40 39.9	4.141	3.581	12.4	20.6	50 E	44*	7*
4 16	3 56.79	+40 35.0	4.225	3.565	11.2	20.6	44 E	37*	5*
4 26	4 11.51	+40 32.7	4.294	3.548	9.9	20.6	37 E	31*	3*
5 6	4 26.75	+40 31.7	4.348	3.529	8.6	20.5	32 E	26*	—
5 16	4 42.41	+40 30.9	4.387	3.510	7.4	20.5	26 E	20*	—
5 26	4 58.40	+40 29.6	4.410	3.490	6.2	20.4	22 E	15*	—
6 5	5 14.64	+40 26.8	4.416	3.469	5.3	20.4	19 E	11*	—
6 15	5 31.05	+40 22.1	4.405	3.447	5.0	20.3	17 W	8*	—
6 25	5 47.53	+40 15.0	4.378	3.424	5.2	20.3	18 W	11*	—
7 5	6 4.01	+40 5.3	4.334	3.400	6.0	20.3	20 W	14*	—
7 15	6 20.39	+39 52.8	4.274	3.376	7.2	20.3	25 W	19*	—
7 25	6 36.59	+39 37.6	4.198	3.350	8.5	20.3	29 W	23*	3*
8 4	6 52.50	+39 20.0	4.107	3.323	10.0	20.3	35 W	29*	6*
8 14	7 8.05	+39 0.3	4.001	3.296	11.5	20.3	40 W	34*	8*
8 24	7 23.12	+38 39.0	3.882	3.267	12.9	20.3	46 W	40*	11*
9 3	7 37.61	+38 16.8	3.750	3.238	14.3	20.2	53 W	46*	13*
9 13	7 51.38	+37 54.7	3.607	3.207	15.6	20.2	59 W	53*	15*
9 23	8 4.30	+37 33.7	3.453	3.176	16.7	20.1	66 W	60*	17*
10 3	8 16.21	+37 14.8	3.291	3.143	17.7	20.0	73 W	66*	19*
10 13	8 26.91	+36 59.3	3.123	3.110	18.4	19.9	80 W	73*	21*
10 23	8 36.15	+36 48.7	2.951	3.076	18.9	19.8	88 W	79*	23*
11 2	8 43.67	+36 44.1	2.777	3.041	19.0	19.6	96 W	82	25*
11 12	8 49.12	+36 46.7	2.605	3.004	18.6	19.4	104 W	82	26*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	98889 2001 BL_{38} *(continuation)*								
	h m	° ′			°	m	°	°	°
11 22	8 52.09	+36 56.9	2.437	2.967	17.8	19.2	113 W	82	27*
12 2	8 52.17	+37 14.4	2.279	2.929	16.5	19.0	123 W	82	27
12 12	8 48.91	+37 36.9	2.133	2.891	14.6	18.8	132 W	83	26
12 22	8 42.07	+38 0.3	2.006	2.851	12.1	18.5	143 W	83	26
12 27	8 37.28	+38 10.3	1.950	2.831	10.7	18.4	148 W	83	26
1 1	8 31.63	+38 17.8	1.901	2.810	9.3	18.3	153 W	83	26
1 6	8 25.20	+38 21.8	1.858	2.789	7.9	18.1	157 W	83	26
1 11	8 18.13	+38 21.2	1.822	2.769	6.9	18.0	160 W	83	26
1 16	8 10.59	+38 15.0	1.794	2.747	6.3	17.9	162 W	83	26
1 21	8 2.77	+38 2.7	1.774	2.726	6.4	17.9	162 E	83	26
	85274 1994 GH								
12 27	2 34.53	+ 6 36.9	1.579	2.266	21.4	20.8	123 E	52	57
1 6	2 37.41	+ 7 21.5	1.715	2.292	23.2	21.1	114 E	52	57
1 16	2 42.85	+ 8 16.6	1.860	2.318	24.2	21.3	105 E	53	55*
1 26	2 50.49	+ 9 19.0	2.010	2.343	24.6	21.5	97 E	54	53*
2 5	2 59.97	+10 25.6	2.161	2.367	24.6	21.7	89 E	55	49*
	6144 Kondojiro								
12 27	2 36.73	+ 8 53.5	5.784	6.386	7.3	20.0	124 E	54	55
1 6	2 35.35	+ 8 57.4	5.921	6.379	8.1	20.1	114 E	54	55
1 16	2 35.02	+ 9 6.7	6.070	6.371	8.6	20.1	103 E	54	54*
1 26	2 35.76	+ 9 21.0	6.226	6.364	8.9	20.2	94 E	54	51*
2 5	2 37.50	+ 9 39.7	6.383	6.356	8.9	20.2	84 E	55*	47*
2 15	2 40.18	+10 2.3	6.538	6.348	8.6	20.3	75 E	53*	43*
2 25	2 43.73	+10 27.9	6.684	6.339	8.2	20.3	66 E	49*	38*
3 7	2 48.03	+10 55.9	6.820	6.330	7.5	20.3	57 E	43*	33*
3 17	2 53.01	+11 25.5	6.943	6.322	6.7	20.3	48 E	36*	28*
3 27	2 58.56	+11 56.2	7.048	6.312	5.8	20.3	40 E	28*	23*
4 6	3 4.60	+12 27.3	7.135	6.303	4.8	20.3	31 E	20*	18*
4 16	3 11.02	+12 58.3	7.202	6.293	3.6	20.2	23 E	12*	13*
4 26	3 17.75	+13 28.7	7.247	6.283	2.5	20.2	16 E	5*	8*
5 6	3 24.69	+13 57.9	7.269	6.273	1.3	20.1	8 E	—	2*
5 16	3 31.77	+14 25.7	7.270	6.263	0.7	20.0	5 E	—	—
5 26	3 38.91	+14 51.7	7.248	6.252	1.6	20.1	10 W	—	4*
6 5	3 46.01	+15 15.6	7.203	6.241	2.7	20.2	17 W	—	11*
6 15	3 53.00	+15 37.1	7.137	6.230	3.9	20.2	25 W	3*	18*
6 25	3 59.80	+15 56.2	7.051	6.218	5.0	20.2	33 W	9*	25*
7 5	4 6.30	+16 12.5	6.945	6.206	6.1	20.2	40 W	16*	31*
7 15	4 12.42	+16 26.1	6.822	6.194	7.1	20.3	48 W	24*	36*
7 25	4 18.05	+16 36.8	6.683	6.182	7.9	20.2	57 W	32*	40*
8 4	4 23.09	+16 44.7	6.532	6.170	8.6	20.2	65 W	40*	43*
8 14	4 27.44	+16 49.7	6.369	6.157	9.1	20.2	73 W	48*	45*
8 24	4 30.98	+16 51.9	6.200	6.144	9.4	20.1	82 W	55*	47*
9 3	4 33.60	+16 51.5	6.027	6.131	9.5	20.1	91 W	60*	47
9 13	4 35.21	+16 48.4	5.854	6.117	9.3	20.0	100 W	62*	47
9 23	4 35.73	+16 43.0	5.686	6.103	8.9	19.9	110 W	62	47
10 3	4 35.10	+16 35.3	5.527	6.089	8.2	19.8	120 W	62	47
10 13	4 33.30	+16 25.7	5.383	6.075	7.2	19.7	130 W	61	48
10 23	4 30.40	+16 14.5	5.257	6.060	6.0	19.6	141 W	61	48
11 2	4 26.51	+16 2.1	5.155	6.046	4.5	19.5	151 W	61	48
11 12	4 21.82	+15 49.3	5.080	6.031	2.9	19.3	162 W	61	48
11 22	4 16.60	+15 36.6	5.035	6.015	1.3	19.2	172 W	61	48
12 2	4 11.18	+15 24.9	5.022	6.000	1.3	19.2	172 E	60	49
12 12	4 5.90	+15 15.1	5.041	5.984	3.0	19.3	162 E	60	49
12 22	4 1.08	+15 8.0	5.090	5.968	4.6	19.4	151 E	60	49
1 1	3 57.02	+15 4.3	5.167	5.952	6.1	19.5	140 E	60	49
1 11	3 53.94	+15 4.5	5.267	5.935	7.4	19.6	129 E	60	49
1 21	3 51.99	+15 8.8	5.387	5.918	8.4	19.7	118 E	60	49
	464655 2001 QA_{59}								
12 27	2 37.15	+ 8 20.0	1.183	1.914	25.2	21.2	124 E	53	56
1 6	2 43.62	+ 9 13.1	1.302	1.942	27.2	21.5	116 E	54	55
1 16	2 52.64	+10 16.7	1.431	1.970	28.4	21.8	108 E	55	54*
1 26	3 3.81	+11 26.6	1.565	1.998	28.9	22.0	101 E	56	52*
2 5	3 16.74	+12 39.3	1.703	2.027	29.0	22.3	94 E	58	49*
	118112 2665 $T–3$								
12 27	2 37.58	+14 57.2	1.083	1.844	25.5	19.6	126 E	60	49
1 6	2 45.38	+15 26.5	1.196	1.871	27.6	19.9	118 E	60	49
1 16	2 55.79	+16 7.5	1.318	1.900	29.0	20.2	110 E	61	48*
1 26	3 8.37	+16 56.2	1.447	1.929	29.8	20.4	103 E	62	46*
2 5	3 22.71	+17 48.9	1.581	1.959	30.0	20.7	97 E	63	44*
2 15	3 38.49	+18 42.6	1.719	1.990	29.8	20.9	91 E	64	42*
2 25	3 55.45	+19 34.7	1.858	2.020	29.2	21.0	85 E	64*	40*
3 7	4 13.35	+20 22.9	1.999	2.051	28.3	21.2	79 E	62*	38*
3 17	4 32.01	+21 5.5	2.139	2.082	27.2	21.4	73 E	58*	37*
3 27	4 51.26	+21 41.0	2.277	2.113	25.9	21.5	68 E	54*	35*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
3671 Dionysus									
	h m	° ′			°	m	°	°	°
12 27	2 38.54	+ 7 37.0	1.754	2.443	19.5	20.5	124 E	53	56
1 6	2 38.78	+ 8 46.7	1.926	2.498	21.0	20.8	114 E	54	55
1 16	2 41.66	+ 9 59.8	2.108	2.550	21.8	21.1	105 E	55	54*
1 26	2 46.78	+11 14.6	2.295	2.601	22.1	21.3	97 E	56	51*
2 5	2 53.72	+12 29.8	2.484	2.650	21.8	21.5	89 E	57	47*
112828 2002 QE_{10}									
12 27	2 39.07	+ 9 7.1	1.785	2.479	19.1	20.6	125 E	54	55
1 6	2 40.19	+ 9 59.6	1.929	2.509	20.8	20.8	115 E	55	54
1 16	2 43.87	+10 59.4	2.083	2.539	21.9	21.1	106 E	56	53*
1 26	2 49.80	+12 4.3	2.243	2.568	22.3	21.3	98 E	57	50*
2 5	2 57.62	+13 12.2	2.406	2.596	22.3	21.4	90 E	58	47*
488726 2004 PZ_{104}									
12 27	2 40.30	+ 1 49.7	0.850	1.604	31.4	19.8	122 E	47	62
1 1	2 46.50	+ 2 42.3	0.901	1.622	32.1	20.0	119 E	48	61
1 6	2 53.16	+ 3 36.9	0.954	1.640	32.7	20.1	116 E	49	60
1 11	3 0.24	+ 4 32.7	1.009	1.659	33.1	20.3	113 E	50	59
1 16	3 7.71	+ 5 29.1	1.067	1.678	33.5	20.5	110 E	50	59
1 26	3 23.69	+ 7 21.1	1.187	1.718	33.7	20.8	104 E	52	56*
2 5	3 40.80	+ 9 8.9	1.313	1.759	33.6	21.0	99 E	54	54*
2 15	3 58.85	+10 49.6	1.445	1.801	33.2	21.3	94 E	56	51*
2 25	4 17.65	+12 21.2	1.582	1.843	32.5	21.5	88 E	57*	49*
382669 2002 TA_{126}									
12 27	2 41.56	+ 8 21.2	1.513	2.227	21.2	21.1	125 E	53	56
1 6	2 45.27	+ 8 36.0	1.654	2.262	23.0	21.4	116 E	54	55
1 16	2 51.42	+ 9 5.3	1.804	2.297	24.1	21.6	107 E	54	55*
1 26	2 59.64	+ 9 45.2	1.960	2.331	24.6	21.8	99 E	55	53*
2 5	3 9.57	+10 31.8	2.119	2.365	24.6	22.0	92 E	56	50*
428086 2006 NM									
12 27	2 43.27	+32 41.0	1.281	2.064	21.1	19.4	131 E	78	31
1 1	2 46.29	+31 43.9	1.361	2.103	22.0	19.6	127 E	77	32
1 6	2 49.93	+30 54.3	1.445	2.141	22.8	19.8	123 E	76	33
1 11	2 54.10	+30 11.8	1.532	2.180	23.4	20.0	118 E	75	34
1 16	2 58.74	+29 35.6	1.622	2.218	23.8	20.2	114 E	75	34*
1 26	3 9.23	+28 39.8	1.809	2.292	24.3	20.5	107 E	74	35*
2 5	3 20.99	+28 1.6	2.003	2.366	24.3	20.8	99 E	73	34*
2 15	3 33.73	+27 36.6	2.202	2.437	23.9	21.1	92 E	73*	34*
2 25	3 47.24	+27 21.0	2.403	2.508	23.1	21.3	84 E	70*	32*
3 7	4 1.33	+27 11.7	2.604	2.577	22.1	21.5	77 E	66*	31*
153201 2000 WO_{107}									
12 27	2 43.32	+20 56.6	0.419	1.290	36.2	19.4	129 E	66	43
1 1	2 44.72	+21 0.1	0.498	1.331	37.5	19.9	125 E	66	43
1 6	2 47.28	+21 8.0	0.579	1.368	38.5	20.3	120 E	66	43
1 11	2 50.70	+21 19.1	0.660	1.402	39.1	20.7	116 E	66	43
1 16	2 54.84	+21 32.9	0.741	1.434	39.6	21.0	112 E	67	42*
1 21	2 59.57	+21 48.7	0.823	1.463	39.8	21.3	108 E	67	42*
98302 2000 SX_{237}									
12 27	2 44.11	+12 30.4	1.591	2.320	19.8	18.8	127 E	58	51
1 6	2 45.36	+13 18.5	1.728	2.349	21.8	19.1	117 E	58	51
1 16	2 49.42	+14 13.9	1.875	2.377	23.1	19.3	108 E	59	50*
1 26	2 55.92	+15 14.7	2.028	2.404	23.8	19.6	100 E	60	47*
2 5	3 4.47	+16 18.7	2.184	2.431	23.9	19.7	92 E	61	44*
2 15	3 14.75	+17 24.0	2.342	2.456	23.6	19.9	85 E	62*	41*
2 25	3 26.48	+18 29.3	2.498	2.481	22.9	20.1	78 E	60*	38*
3 7	3 39.43	+19 32.8	2.650	2.506	22.0	20.2	71 E	57*	35*
3 17	3 53.41	+20 33.5	2.797	2.529	20.8	20.3	64 E	52*	32*
3 27	4 8.25	+21 30.2	2.938	2.551	19.3	20.4	58 E	47*	29*
4 6	4 23.81	+22 22.0	3.070	2.573	17.8	20.4	52 E	41*	26*
4 16	4 39.98	+23 8.2	3.193	2.594	16.1	20.5	46 E	35*	24*
4 26	4 56.64	+23 48.0	3.305	2.614	14.3	20.5	40 E	29*	21*
5 6	5 13.68	+24 21.1	3.407	2.633	12.4	20.5	34 E	23*	18*
5 16	5 31.03	+24 47.0	3.496	2.651	10.5	20.5	28 E	17*	15*
5 26	5 48.59	+25 5.5	3.573	2.668	8.5	20.5	23 E	12*	11*
6 5	6 6.27	+25 16.5	3.636	2.684	6.4	20.4	17 E	7*	7*
6 15	6 23.99	+25 20.1	3.686	2.699	4.4	20.4	12 E	3*	3*
6 25	6 41.68	+25 16.4	3.721	2.714	2.4	20.3	6 E	—	—
7 5	6 59.27	+25 5.7	3.742	2.727	0.9	20.2	2 E	—	—
7 15	7 16.69	+24 48.4	3.749	2.739	2.1	20.3	6 W	—	—
7 25	7 33.86	+24 25.1	3.741	2.751	4.1	20.4	11 W	4*	1*
8 4	7 50.74	+23 56.2	3.718	2.761	6.0	20.5	17 W	9*	4*
8 14	8 7.26	+23 22.6	3.680	2.770	8.0	20.6	22 W	15*	8*
8 24	8 23.36	+22 45.1	3.629	2.779	9.9	20.7	28 W	20*	11*
9 3	8 38.99	+22 4.5	3.563	2.786	11.7	20.7	34 W	26*	14*
9 13	8 54.07	+21 22.0	3.483	2.793	13.5	20.7	40 W	32*	17*
9 23	9 8.55	+20 38.8	3.391	2.798	15.1	20.7	47 W	38*	20*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
98302 2000 SX_{237} *(continuation)*									
	h m	° ′			°	m	°	°	°
10 3	9 22.33	+19 56.0	3.287	2.803	16.6	20.7	53 W	44*	23*
10 13	9 35.34	+19 15.2	3.172	2.806	17.9	20.7	60 W	50*	26*
10 23	9 47.44	+18 38.0	3.048	2.809	19.0	20.6	67 W	56*	30*
11 2	9 58.51	+18 6.1	2.915	2.810	19.9	20.6	74 W	60*	33*
11 12	10 8.37	+17 41.5	2.777	2.811	20.4	20.5	82 W	62*	37*
11 22	10 16.82	+17 26.2	2.634	2.810	20.6	20.4	90 W	62	41*
12 2	10 23.63	+17 22.3	2.491	2.809	20.3	20.2	98 W	62	44*
12 12	10 28.50	+17 32.1	2.351	2.806	19.6	20.1	107 W	63	46*
12 22	10 31.14	+17 56.9	2.217	2.803	18.2	19.9	117 W	63	46
1 1	10 31.28	+18 37.7	2.093	2.799	16.3	19.7	127 W	64	45
1 11	10 28.66	+19 33.9	1.984	2.793	13.6	19.5	138 W	65	44
1 21	10 23.27	+20 42.5	1.896	2.787	10.4	19.3	149 W	66	43
329282 1999 WZ_5									
12 27	2 44.72	−15 59.0	0.885	1.564	35.2	18.3	114 E	29	80
1 1	2 47.98	−12 29.3	0.916	1.574	35.4	18.3	112 E	33	76
1 6	2 52.04	− 9 4.2	0.951	1.584	35.7	18.5	110 E	36	73
1 11	2 56.84	− 5 45.4	0.991	1.595	35.9	18.6	108 E	39	70
1 16	3 2.33	− 2 34.2	1.034	1.608	36.1	18.7	106 E	42	67*
1 21	3 8.46	+ 0 28.1	1.080	1.620	36.2	18.8	103 E	45	63*
1 26	3 15.17	+ 3 21.1	1.130	1.634	36.3	18.9	101 E	48	60*
2 5	3 30.15	+ 8 37.5	1.238	1.663	36.1	19.1	96 E	54	54*
2 15	3 46.96	+13 15.0	1.355	1.694	35.6	19.4	91 E	58	48*
2 25	4 5.36	+17 15.3	1.481	1.728	34.9	19.6	86 E	62*	43*
3 2	4 15.08	+19 2.3	1.545	1.746	34.4	19.7	84 E	63*	41*
3 7	4 25.11	+20 40.9	1.611	1.764	33.8	19.8	82 E	63*	39*
3 12	4 35.42	+22 11.6	1.678	1.782	33.2	19.9	79 E	63*	37*
3 17	4 46.01	+23 34.6	1.746	1.801	32.5	20.0	77 E	62*	36*
3 22	4 56.84	+24 50.2	1.814	1.820	31.8	20.0	74 E	61*	34*
3 27	5 7.89	+25 58.8	1.882	1.839	31.1	20.1	72 E	59*	33*
4 1	5 19.13	+27 0.6	1.951	1.858	30.3	20.2	70 E	58*	32*
4 6	5 30.54	+27 55.8	2.019	1.878	29.5	20.3	67 E	56*	31*
4 11	5 42.10	+28 44.9	2.087	1.898	28.6	20.3	65 E	54*	30*
4 16	5 53.78	+29 27.8	2.155	1.918	27.8	20.4	63 E	52*	29*
4 21	6 5.58	+30 5.0	2.222	1.938	26.9	20.5	61 E	50*	28*
4 26	6 17.44	+30 36.7	2.289	1.958	25.9	20.5	58 E	47*	27*
5 1	6 29.36	+31 3.0	2.354	1.979	25.0	20.6	56 E	45*	26*
5 6	6 41.31	+31 24.1	2.419	1.999	24.1	20.6	54 E	43*	25*
5 11	6 53.28	+31 40.3	2.483	2.020	23.1	20.7	52 E	40*	25*
5 16	7 5.24	+31 51.9	2.545	2.040	22.2	20.7	50 E	38*	24*
5 21	7 17.18	+31 59.0	2.606	2.061	21.2	20.8	47 E	35*	23*
5 26	7 29.06	+32 1.8	2.666	2.081	20.2	20.8	45 E	33*	22*
5 31	7 40.89	+32 0.6	2.724	2.101	19.3	20.9	43 E	31*	21*
6 5	7 52.63	+31 55.6	2.781	2.122	18.3	20.9	41 E	29*	20*
6 10	8 4.29	+31 46.9	2.835	2.142	17.3	20.9	39 E	27*	19*
6 15	8 15.86	+31 34.9	2.888	2.162	16.4	21.0	37 E	25*	18*
6 20	8 27.31	+31 19.7	2.939	2.183	15.4	21.0	35 E	23*	17*
6 25	8 38.63	+31 1.6	2.988	2.203	14.5	21.0	33 E	21*	16*
6 30	8 49.83	+30 40.8	3.035	2.223	13.5	21.0	31 E	20*	15*
7 5	9 0.90	+30 17.4	3.079	2.242	12.6	21.0	29 E	18*	13*
7 10	9 11.84	+29 51.7	3.122	2.262	11.7	21.1	27 E	17*	12*
7 15	9 22.64	+29 24.0	3.162	2.282	10.9	21.1	25 E	16*	10*
7 20	9 33.29	+28 54.3	3.199	2.301	10.0	21.1	23 E	15*	9*
7 25	9 43.81	+28 23.0	3.235	2.320	9.3	21.1	22 E	14*	7*
7 30	9 54.18	+27 50.2	3.267	2.339	8.6	21.1	20 E	13*	5*
8 4	10 4.42	+27 16.1	3.297	2.358	7.9	21.1	19 E	12*	3*
8 9	10 14.52	+26 41.0	3.325	2.377	7.4	21.1	17 E	11*	1*
8 14	10 24.48	+26 4.9	3.349	2.396	6.9	21.1	17 E	11*	—
8 19	10 34.31	+25 28.1	3.371	2.414	6.6	21.2	16 E	10*	—
8 24	10 44.01	+24 50.7	3.390	2.432	6.5	21.2	16 E	9*	—
8 29	10 53.58	+24 13.1	3.406	2.450	6.5	21.2	16 E	9*	—
9 3	11 3.03	+23 35.2	3.420	2.468	6.6	21.2	16 E	8*	—
9 8	11 12.36	+22 57.3	3.430	2.486	6.9	21.3	17 E	8*	—
9 13	11 21.56	+22 19.7	3.437	2.503	7.3	21.3	18 W	8*	—
9 18	11 30.65	+21 42.4	3.442	2.520	7.8	21.3	20 W	10*	—
9 23	11 39.62	+21 5.7	3.443	2.537	8.4	21.4	22 W	12*	—
9 28	11 48.47	+20 29.6	3.441	2.554	9.0	21.4	24 W	15*	—
10 3	11 57.22	+19 54.4	3.436	2.570	9.7	21.5	26 W	17*	—
424377 2007 WF_4									
12 27	2 46.34	+18 35.3	1.260	2.031	22.0	20.4	129 E	64	45
1 6	2 51.27	+18 13.2	1.389	2.067	24.3	20.7	120 E	63	46
1 16	2 58.90	+18 8.7	1.528	2.101	25.8	21.0	112 E	63	46*
1 26	3 8.76	+18 18.0	1.674	2.136	26.6	21.3	104 E	63	45*
2 5	3 20.44	+18 37.1	1.826	2.170	26.8	21.5	96 E	64	43*
11398 1998 YP_{11}									
12 27	2 46.68	− 6 3.5	1.656	2.304	21.8	20.3	119 E	39	70
1 1	2 45.19	− 5 25.2	1.702	2.295	22.9	20.3	115 E	40	69
1 6	2 44.52	− 4 43.0	1.750	2.285	23.8	20.4	110 E	40	69
1 11	2 44.64	− 3 57.6	1.800	2.274	24.6	20.5	106 E	41	68

11398 1998 YP_{11} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
1 16	2 45.53	− 3 9.5	1.851	2.263	25.2	20.6	102 E	42	67*
1 21	2 47.13	− 2 19.3	1.903	2.252	25.7	20.6	97 E	43	65*
1 26	2 49.42	− 1 27.5	1.955	2.239	26.0	20.7	93 E	44	63*
1 31	2 52.33	− 0 34.5	2.007	2.227	26.3	20.7	89 E	44	60*
2 5	2 55.83	+ 0 19.3	2.058	2.214	26.4	20.8	86 E	45	58*
2 10	2 59.88	+ 1 13.6	2.108	2.200	26.4	20.8	82 E	46*	55*
2 15	3 4.46	+ 2 8.2	2.158	2.186	26.3	20.9	78 E	47*	53*
2 20	3 9.53	+ 3 2.8	2.206	2.171	26.1	20.9	75 E	46*	50*
2 25	3 15.05	+ 3 57.2	2.252	2.156	25.8	20.9	72 E	46*	48*
3 2	3 20.99	+ 4 51.0	2.296	2.140	25.5	20.9	68 E	45*	46*
3 7	3 27.34	+ 5 44.3	2.339	2.124	25.1	20.9	65 E	43*	44*
3 12	3 34.08	+ 6 36.8	2.379	2.107	24.6	20.9	62 E	42*	42*
3 17	3 41.19	+ 7 28.4	2.417	2.090	24.1	20.9	59 E	40*	40*
3 22	3 48.65	+ 8 18.8	2.452	2.072	23.6	20.9	56 E	38*	38*
3 27	3 56.45	+ 9 7.9	2.485	2.054	23.0	20.9	53 E	36*	36*
4 1	4 4.57	+ 9 55.7	2.515	2.035	22.3	20.9	51 E	33*	34*
4 6	4 13.01	+10 41.9	2.543	2.016	21.7	20.9	48 E	31*	33*
4 11	4 21.76	+11 26.4	2.568	1.996	20.9	20.9	45 E	28*	31*
4 16	4 30.81	+12 9.0	2.590	1.976	20.2	20.9	43 E	26*	30*
4 21	4 40.15	+12 49.7	2.609	1.955	19.4	20.8	40 E	23*	28*
4 26	4 49.78	+13 28.3	2.626	1.934	18.7	20.8	38 E	21*	27*
5 1	4 59.69	+14 4.6	2.639	1.912	17.9	20.7	36 E	18*	25*
5 6	5 9.89	+14 38.5	2.650	1.890	17.0	20.7	33 E	16*	23*
5 11	5 20.36	+15 9.9	2.658	1.867	16.2	20.7	31 E	13*	22*
5 16	5 31.11	+15 38.6	2.664	1.844	15.3	20.6	29 E	11*	20*
5 21	5 42.13	+16 4.4	2.666	1.820	14.5	20.5	27 E	9*	19*
5 26	5 53.41	+16 27.3	2.666	1.796	13.6	20.5	25 E	7*	17*
6 5	6 16.78	+17 3.7	2.659	1.747	11.9	20.4	21 E	3*	14*
6 15	6 41.21	+17 26.4	2.641	1.696	10.1	20.2	17 E	—	11*
6 25	7 6.67	+17 34.5	2.615	1.644	8.3	20.0	13 E	—	7*
7 5	7 33.15	+17 26.7	2.580	1.590	6.5	19.9	10 E	—	4*
7 15	8 0.66	+17 2.0	2.539	1.535	4.8	19.7	7 E	—	1*
7 25	8 29.17	+16 19.6	2.491	1.480	3.1	19.4	4 E	—	—
8 4	8 58.69	+15 18.7	2.439	1.425	1.5	19.2	2 E	—	—
8 14	9 29.24	+13 58.8	2.383	1.370	0.9	19.0	1 W	—	—
8 24	10 0.82	+12 19.5	2.325	1.316	2.1	19.0	3 W	—	—
9 3	10 33.50	+10 21.3	2.268	1.264	3.5	18.9	4 W	—	—
9 13	11 7.31	+ 8 5.0	2.212	1.215	4.8	18.9	6 W	—	—
9 23	11 42.29	+ 5 32.3	2.160	1.170	6.0	18.8	7 W	1*	—
10 3	12 18.49	+ 2 46.1	2.113	1.131	7.0	18.7	8 W	2*	—
10 13	12 55.95	− 0 9.6	2.074	1.098	7.8	18.6	9 W	2*	—
10 18	13 15.14	− 1 39.3	2.058	1.084	8.1	18.6	9 W	2*	—
10 23	13 34.62	− 3 9.3	2.044	1.073	8.3	18.6	9 W	2*	—
10 28	13 54.38	− 4 38.6	2.033	1.064	8.5	18.6	9 W	2*	—
11 2	14 14.42	− 6 6.3	2.025	1.057	8.6	18.5	9 W	2*	—
11 7	14 34.70	− 7 31.5	2.019	1.053	8.7	18.5	9 W	2*	—
11 12	14 55.18	− 8 53.2	2.017	1.052	8.7	18.5	9 W	2*	—
11 17	15 15.82	−10 10.4	2.017	1.053	8.7	18.5	9 W	2*	—
11 22	15 36.58	−11 22.3	2.020	1.057	8.6	18.5	9 W	2*	—
11 27	15 57.41	−12 28.0	2.026	1.063	8.5	18.6	9 W	2*	—
12 2	16 18.26	−13 27.0	2.034	1.072	8.3	18.6	9 W	2*	—
12 12	16 59.74	−15 2.4	2.058	1.096	8.0	18.6	9 W	2*	—
12 22	17 40.50	−16 6.0	2.091	1.129	7.5	18.7	9 W	3*	—
1 1	18 20.10	−16 37.7	2.131	1.168	7.2	18.8	9 W	3*	—
1 11	18 58.15	−16 39.4	2.175	1.213	7.2	18.9	9 W	3*	—
1 21	19 34.36	−16 14.8	2.221	1.262	7.4	19.1	10 W	3*	—

180214 2003 UB_9

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	2 47.05	−14 35.2	1.095	1.753	30.6	18.7	115 E	30	79
1 1	2 49.61	−12 12.5	1.137	1.764	31.0	18.8	112 E	33	76
1 6	2 52.91	− 9 51.3	1.182	1.775	31.4	19.0	110 E	35	74
1 11	2 56.90	− 7 32.7	1.230	1.786	31.8	19.1	107 E	37	72
1 16	3 1.53	− 5 17.4	1.281	1.798	32.0	19.2	104 E	40	69*
1 26	3 12.52	− 0 59.6	1.389	1.823	32.2	19.4	99 E	44	64*
2 5	3 25.49	+ 2 58.8	1.506	1.850	32.1	19.6	94 E	48	59*
2 15	3 40.12	+ 6 36.3	1.629	1.877	31.7	19.8	88 E	52	54*
2 25	3 56.17	+ 9 52.5	1.757	1.906	31.0	20.0	83 E	54*	49*
3 7	4 13.41	+12 47.5	1.889	1.935	30.0	20.1	78 E	55*	45*
3 17	4 31.66	+15 21.7	2.022	1.965	28.9	20.3	72 E	53*	41*
3 27	4 50.77	+17 35.9	2.156	1.996	27.5	20.4	67 E	51*	38*
4 6	5 10.57	+19 30.7	2.289	2.027	25.9	20.5	62 E	47*	36*
4 16	5 30.94	+21 6.9	2.419	2.059	24.2	20.6	57 E	42*	33*
4 26	5 51.74	+22 25.3	2.546	2.090	22.4	20.7	52 E	38*	31*
5 6	6 12.84	+23 26.7	2.668	2.122	20.5	20.8	48 E	33*	28*
5 16	6 34.13	+24 12.2	2.784	2.153	18.6	20.8	43 E	28*	26*
5 26	6 55.49	+24 42.5	2.893	2.185	16.6	20.9	38 E	23*	23*
6 5	7 16.82	+24 58.8	2.994	2.216	14.5	20.9	33 E	18*	20*
6 15	7 38.03	+25 2.2	3.087	2.247	12.4	20.9	28 E	14*	17*
6 25	7 59.03	+24 53.8	3.170	2.277	10.4	21.0	24 E	11*	14*

180214 2003 UB_9 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
7 5	8 19.75	+24 34.9	3.243	2.307	8.3	20.9	19 E	8*	10*
7 15	8 40.17	+24 6.6	3.306	2.337	6.4	20.9	15 E	5*	6*
7 25	9 0.22	+23 30.2	3.357	2.366	4.6	20.9	11 E	3*	1*
8 4	9 19.88	+22 47.1	3.396	2.395	3.3	20.9	8 E	2*	—
8 14	9 39.14	+21 58.6	3.423	2.423	3.2	20.9	8 E	—	—
8 24	9 57.97	+21 5.9	3.437	2.450	4.3	21.0	10 W	3*	—
9 3	10 16.38	+20 10.5	3.439	2.476	5.9	21.1	15 W	8*	—
9 13	10 34.37	+19 13.7	3.428	2.502	7.7	21.2	19 W	13*	—
9 23	10 51.91	+18 17.0	3.404	2.527	9.5	21.3	25 W	19*	1*
10 3	11 9.02	+17 21.7	3.367	2.552	11.3	21.4	30 W	24*	4*
10 13	11 25.65	+16 29.4	3.318	2.575	13.1	21.4	36 W	30*	7*
10 23	11 41.80	+15 41.6	3.256	2.598	14.7	21.5	42 W	35*	10*
11 2	11 57.41	+15 0.0	3.183	2.620	16.3	21.5	48 W	41*	13*
11 12	12 12.44	+14 26.2	3.100	2.641	17.6	21.5	54 W	46*	17*
11 22	12 26.79	+14 2.1	3.006	2.661	18.8	21.5	60 W	51*	22*
12 2	12 40.37	+13 49.4	2.905	2.680	19.8	21.4	67 W	55*	27*
12 12	12 53.04	+13 50.1	2.796	2.698	20.5	21.4	74 W	58*	32*
12 22	13 4.62	+14 6.0	2.683	2.716	21.0	21.3	81 W	59*	37*
1 1	13 14.92	+14 38.7	2.568	2.733	21.1	21.3	89 W	60	42*
1 11	13 23.69	+15 29.7	2.453	2.748	20.8	21.2	97 W	60	45*
1 21	13 30.63	+16 39.6	2.342	2.763	20.1	21.1	105 W	62	47*

182974 2002 NT_{23}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	2 47.44	+ 2 4.1	1.152	1.883	25.8	19.0	124 E	47	62
1 1	2 50.16	+ 3 2.8	1.208	1.899	26.7	19.1	120 E	48	61
1 6	2 53.58	+ 4 2.7	1.268	1.914	27.5	19.3	116 E	49	60
1 11	2 57.63	+ 5 3.1	1.329	1.930	28.1	19.4	112 E	50	59
1 16	3 2.28	+ 6 3.5	1.393	1.947	28.6	19.5	109 E	51	58*
1 26	3 13.17	+ 8 2.9	1.525	1.979	29.1	19.8	102 E	53	55*
2 5	3 25.85	+ 9 58.0	1.663	2.013	29.2	20.0	95 E	55	52*
2 15	3 40.03	+11 46.8	1.805	2.046	28.9	20.2	89 E	57	49*
2 25	3 55.46	+13 27.8	1.949	2.081	28.2	20.4	83 E	58*	46*
3 7	4 11.89	+14 59.8	2.094	2.115	27.3	20.6	78 E	57*	43*
3 17	4 29.17	+16 22.0	2.239	2.149	26.1	20.7	72 E	54*	40*
3 27	4 47.12	+17 33.6	2.382	2.183	24.8	20.8	66 E	50*	38*
4 6	5 5.59	+18 34.2	2.522	2.218	23.3	20.9	61 E	45*	36*
4 16	5 24.47	+19 23.6	2.658	2.251	21.6	21.0	56 E	40*	33*
4 26	5 43.64	+20 1.7	2.789	2.285	19.9	21.1	51 E	35*	31*
5 6	6 2.97	+20 28.5	2.913	2.318	18.0	21.2	45 E	29*	29*
5 16	6 22.37	+20 44.2	3.030	2.351	16.1	21.2	40 E	23*	26*
5 26	6 41.76	+20 49.2	3.139	2.383	14.2	21.3	35 E	18*	24*
6 5	7 1.03	+20 43.9	3.239	2.415	12.1	21.3	30 E	13*	20*
6 15	7 20.14	+20 28.9	3.329	2.446	10.1	21.3	25 E	8*	17*
6 25	7 39.01	+20 4.9	3.409	2.477	8.0	21.3	20 E	4*	13*
7 5	7 57.58	+19 32.6	3.477	2.506	5.9	21.3	15 E	—	8*
7 15	8 15.82	+18 52.8	3.533	2.536	3.8	21.2	9 E	—	3*
7 25	8 33.68	+18 6.4	3.576	2.564	1.7	21.1	4 E	—	—
8 4	8 51.13	+17 14.2	3.606	2.592	0.5	21.0	1 W	—	—
8 14	9 8.16	+16 17.2	3.622	2.618	2.5	21.3	7 W	—	—
8 24	9 24.73	+15 16.3	3.625	2.644	4.6	21.4	12 W	5*	2*

185731 1998 VO_5

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	2 48.65	+20 35.3	1.291	2.068	21.2	19.3	130 E	66	43
1 6	2 51.97	+21 13.2	1.423	2.107	23.5	19.6	121 E	66	43
1 16	2 58.32	+21 56.5	1.565	2.145	25.0	19.9	113 E	67	42*
1 26	3 7.22	+22 44.0	1.715	2.183	25.9	20.1	105 E	68	41*
2 5	3 18.21	+23 33.8	1.871	2.221	26.1	20.4	97 E	69	39*
2 15	3 30.93	+24 24.4	2.029	2.259	25.9	20.6	90 E	69*	36*
2 25	3 45.06	+25 13.9	2.189	2.297	25.3	20.8	83 E	68*	34*
3 7	4 0.34	+26 1.0	2.348	2.334	24.5	20.9	77 E	65*	32*
3 17	4 16.57	+26 44.3	2.505	2.370	23.3	21.1	71 E	60*	30*
3 27	4 33.57	+27 22.6	2.658	2.406	22.0	21.2	65 E	55*	28*
4 6	4 51.16	+27 55.1	2.805	2.442	20.5	21.3	59 E	49*	26*
4 16	5 9.22	+28 20.9	2.947	2.477	18.9	21.4	53 E	43*	24*
4 26	5 27.62	+28 39.7	3.080	2.511	17.2	21.4	47 E	37*	22*

414903 2010 XT_{45}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	2 49.04	− 0 19.5	1.120	1.848	26.6	20.2	123 E	45	64
1 1	2 50.39	+ 0 2.3	1.180	1.861	27.7	20.3	118 E	45	64
1 6	2 52.55	+ 0 28.9	1.242	1.875	28.6	20.5	114 E	45	64
1 11	2 55.45	+ 0 59.6	1.306	1.887	29.3	20.6	110 E	46	63
1 16	2 59.03	+ 1 33.4	1.371	1.899	29.8	20.8	106 E	47	62*
1 21	3 3.23	+ 2 9.6	1.436	1.911	30.2	20.9	103 E	47	61*
1 26	3 7.99	+ 2 47.7	1.503	1.922	30.4	21.0	99 E	48	60*
1 31	3 13.25	+ 3 26.9	1.570	1.933	30.5	21.1	96 E	48	59*
2 5	3 18.96	+ 4 6.9	1.637	1.944	30.5	21.2	92 E	49	57*
2 10	3 25.09	+ 4 47.3	1.703	1.953	30.3	21.3	89 E	50	55*
2 15	3 31.60	+ 5 27.6	1.770	1.963	30.1	21.4	86 E	50*	54*
2 20	3 38.47	+ 6 7.6	1.836	1.972	29.8	21.5	83 E	51*	52*

272287 2005 ST_9

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 27	2 49.14	+33 30.6	1.606	2.382	17.8	20.5	132 E	79	30
1 1	2 48.81	+33 15.7	1.672	2.401	19.0	20.7	127 E	78	31
1 6	2 49.38	+33 2.8	1.741	2.419	20.0	20.8	123 E	78	31
1 11	2 50.80	+32 52.3	1.813	2.437	20.8	21.0	118 E	78	31
1 16	2 53.00	+32 44.3	1.888	2.456	21.5	21.1	114 E	78	31*
1 21	2 55.93	+32 38.9	1.965	2.474	22.0	21.2	109 E	78	31*
1 26	2 59.51	+32 35.8	2.043	2.492	22.4	21.3	105 E	78	31*
1 31	3 3.67	+32 35.1	2.123	2.509	22.6	21.4	101 E	78	30*

31881 2000 FL_{15}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	2 49.26	−12 4.3	1.047	1.729	30.5	19.0	117 E	33	76
1 1	2 50.62	−11 44.5	1.083	1.722	31.8	19.1	113 E	33	76
1 6	2 52.90	−11 16.9	1.120	1.715	32.8	19.2	109 E	34	75
1 11	2 56.05	−10 42.5	1.158	1.707	33.7	19.3	106 E	34	75
1 16	3 0.04	−10 2.5	1.196	1.700	34.4	19.4	102 E	35	74*
1 21	3 4.81	− 9 17.8	1.234	1.693	35.0	19.4	99 E	36	73*
1 26	3 10.29	− 8 29.4	1.272	1.687	35.5	19.5	96 E	37	71*
1 31	3 16.44	− 7 38.1	1.310	1.680	35.8	19.6	93 E	37	69*
2 5	3 23.20	− 6 44.5	1.347	1.673	36.1	19.6	90 E	38	67*
2 10	3 30.55	− 5 49.2	1.384	1.667	36.3	19.7	88 E	39	65*
2 15	3 38.44	− 4 52.7	1.420	1.660	36.4	19.7	85 E	40	63*
2 25	3 55.72	− 2 58.5	1.491	1.648	36.3	19.8	81 E	41*	60*
3 7	4 14.77	− 1 5.7	1.559	1.637	36.1	19.9	76 E	42*	57*
3 17	4 35.43	+ 0 42.9	1.625	1.626	35.6	20.0	72 E	41*	54*
3 27	4 57.52	+ 2 24.2	1.688	1.616	35.1	20.0	69 E	39*	52*
4 6	5 20.86	+ 3 55.8	1.748	1.608	34.4	20.1	65 E	36*	49*
4 16	5 45.32	+ 5 15.3	1.807	1.600	33.6	20.1	62 E	33*	48*
4 26	6 10.73	+ 6 20.9	1.865	1.594	32.6	20.1	59 E	30*	46*
5 6	6 36.92	+ 7 11.2	1.921	1.589	31.6	20.2	56 E	26*	44*
5 16	7 3.72	+ 7 45.0	1.977	1.585	30.5	20.2	53 E	22*	43*
5 26	7 30.97	+ 8 1.8	2.032	1.582	29.3	20.2	50 E	18*	41*
6 5	7 58.48	+ 8 1.6	2.086	1.581	28.0	20.2	47 E	14*	39*
6 15	8 26.11	+ 7 45.0	2.141	1.581	26.6	20.2	44 E	10*	37*
6 25	8 53.73	+ 7 12.6	2.195	1.582	25.1	20.3	41 E	7*	35*
7 5	9 21.21	+ 6 26.1	2.248	1.585	23.6	20.3	39 E	5*	32*
7 15	9 48.50	+ 5 26.8	2.300	1.589	21.9	20.3	36 E	3*	30*
7 25	10 15.54	+ 4 16.6	2.351	1.594	20.2	20.3	33 E	2*	27*
8 4	10 42.30	+ 2 57.6	2.401	1.601	18.3	20.3	30 E	1*	24*
8 14	11 8.82	+ 1 31.8	2.448	1.609	16.4	20.3	27 E	1*	21*
8 24	11 35.08	+ 0 1.2	2.492	1.617	14.5	20.2	24 E	—	18*
9 3	12 1.16	− 1 32.1	2.533	1.627	12.5	20.2	20 E	—	14*
9 13	12 27.09	− 3 6.0	2.571	1.638	10.5	20.2	17 E	—	11*
9 23	12 52.92	− 4 38.6	2.604	1.649	8.5	20.2	14 E	—	8*
10 3	13 18.71	− 6 7.9	2.633	1.662	6.6	20.1	11 E	—	5*
10 13	13 44.51	− 7 31.9	2.657	1.675	4.7	20.0	8 E	—	1*
10 23	14 10.32	− 8 48.9	2.675	1.688	3.3	20.0	6 E	—	—
11 2	14 36.19	− 9 57.1	2.688	1.702	3.0	20.0	5 E	—	—
11 12	15 2.11	−10 54.9	2.695	1.716	3.9	20.1	7 W	—	—
11 22	15 28.05	−11 40.7	2.695	1.731	5.6	20.2	10 W	4*	—
12 2	15 53.97	−12 13.3	2.690	1.745	7.5	20.3	13 W	7*	—
12 12	16 19.81	−12 31.5	2.678	1.760	9.4	20.4	17 W	11*	1*
12 22	16 45.47	−12 34.6	2.660	1.775	11.3	20.5	21 W	14*	5*
1 1	17 10.87	−12 22.0	2.635	1.789	13.3	20.5	25 W	16*	9*
1 11	17 35.91	−11 53.6	2.604	1.804	15.1	20.6	29 W	19*	14*
1 21	18 0.47	−11 9.5	2.568	1.818	17.0	20.6	33 W	21*	18*

275714 2000 YH_4

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	2 50.77	+15 40.0	0.273	1.177	40.1	17.8	130 E	61	48
12 29	2 56.61	+18 7.7	0.292	1.191	39.5	18.0	130 E	63	46
12 31	3 2.18	+20 17.7	0.312	1.206	39.1	18.1	129 E	65	44
1 2	3 7.51	+22 12.5	0.333	1.220	38.8	18.3	129 E	67	42
1 4	3 12.64	+23 54.0	0.354	1.235	38.6	18.4	128 E	69	40
1 6	3 17.61	+25 24.2	0.375	1.249	38.5	18.6	128 E	70	39
1 8	3 22.45	+26 44.6	0.398	1.263	38.4	18.7	127 E	72	37
1 10	3 27.19	+27 56.5	0.420	1.278	38.4	18.9	126 E	73	36
1 12	3 31.84	+29 0.9	0.444	1.292	38.3	19.0	125 E	74	35
1 14	3 36.43	+29 58.8	0.467	1.306	38.3	19.2	125 E	75	34
1 16	3 40.96	+30 51.0	0.491	1.321	38.3	19.3	124 E	76	33
1 18	3 45.45	+31 38.2	0.516	1.335	38.4	19.4	123 E	77	32
1 20	3 49.91	+32 20.9	0.540	1.349	38.4	19.5	122 E	77	32
1 22	3 54.35	+32 59.6	0.565	1.363	38.4	19.7	121 E	78	31
1 24	3 58.77	+33 34.8	0.591	1.376	38.4	19.8	120 E	79	30
1 26	4 3.17	+34 6.8	0.617	1.390	38.4	19.9	119 E	79	30
1 31	4 14.15	+35 14.8	0.682	1.424	38.4	20.2	116 E	80	29
2 5	4 25.13	+36 8.6	0.750	1.457	38.3	20.4	114 E	81	28
2 10	4 36.14	+36 51.1	0.819	1.490	38.2	20.7	111 E	82	27
2 15	4 47.21	+37 24.3	0.889	1.522	38.0	20.9	108 E	82	27
2 20	4 58.36	+37 49.7	0.961	1.553	37.8	21.1	106 E	83	26*
2 25	5 9.57	+38 8.6	1.034	1.584	37.5	21.3	103 E	83	26*
3 2	5 20.83	+38 21.7	1.108	1.613	37.2	21.5	100 E	83	26*

86626 2000 EV_{124}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 27	2 51.88	+ 5 26.3	1.662	2.378	19.5	19.8	126 E	50	59
1 6	2 52.61	+ 6 13.5	1.797	2.404	21.5	20.0	117 E	51	58
1 16	2 56.03	+ 7 10.8	1.941	2.428	22.7	20.3	108 E	52	57*
1 26	3 1.82	+ 8 15.0	2.092	2.452	23.3	20.5	99 E	53	54*
2 5	3 9.62	+ 9 23.2	2.245	2.475	23.5	20.6	91 E	54	51*
2 15	3 19.11	+10 33.1	2.399	2.498	23.2	20.8	84 E	55*	48*
2 25	3 30.05	+11 42.9	2.552	2.519	22.5	20.9	77 E	54*	44*
3 7	3 42.19	+12 50.7	2.700	2.539	21.6	21.0	70 E	51*	41*
3 17	3 55.35	+13 55.4	2.843	2.558	20.4	21.1	63 E	47*	37*
3 27	4 9.37	+14 55.8	2.978	2.577	19.0	21.2	57 E	42*	34*
4 6	4 24.10	+15 50.9	3.105	2.594	17.4	21.2	51 E	36*	31*
4 16	4 39.44	+16 40.1	3.222	2.611	15.8	21.3	45 E	31*	28*
4 26	4 55.27	+17 22.5	3.329	2.626	14.0	21.3	39 E	24*	25*
5 6	5 11.50	+17 57.8	3.424	2.640	12.1	21.3	33 E	18*	22*
5 16	5 28.03	+18 25.5	3.507	2.654	10.2	21.3	28 E	12*	18*
5 26	5 44.79	+18 45.5	3.577	2.666	8.2	21.3	22 E	7*	14*
6 5	6 1.68	+18 57.5	3.633	2.677	6.3	21.2	17 E	2*	10*
6 15	6 18.65	+19 1.7	3.676	2.688	4.3	21.2	11 E	—	5*
6 25	6 35.61	+18 57.9	3.704	2.697	2.5	21.1	7 E	—	—
7 5	6 52.50	+18 46.5	3.718	2.705	1.5	21.0	4 W	—	—
7 15	7 9.26	+18 27.8	3.718	2.712	2.7	21.1	7 W	—	1*
7 25	7 25.81	+18 2.1	3.703	2.719	4.5	21.2	12 W	—	6*
8 4	7 42.10	+17 30.0	3.673	2.724	6.5	21.3	18 W	6*	9*
8 14	7 58.07	+16 51.9	3.629	2.728	8.4	21.4	23 W	12*	13*
8 24	8 13.66	+16 8.7	3.571	2.731	10.3	21.4	29 W	18*	17*
9 3	8 28.81	+15 21.0	3.499	2.733	12.2	21.4	35 W	24*	20*
9 13	8 43.45	+14 29.7	3.414	2.734	13.9	21.4	41 W	30*	23*
9 23	8 57.51	+13 35.9	3.317	2.734	15.6	21.4	47 W	35*	26*
10 3	9 10.91	+12 40.6	3.207	2.732	17.1	21.4	53 W	41*	30*
10 13	9 23.54	+11 45.0	3.087	2.730	18.5	21.4	60 W	46*	33*
10 23	9 35.28	+10 50.6	2.958	2.727	19.6	21.3	67 W	50*	37*
11 2	9 46.02	+ 9 58.8	2.821	2.723	20.5	21.2	74 W	53*	41*
11 12	9 55.55	+ 9 11.7	2.678	2.717	21.1	21.1	82 W	54*	46*
11 22	10 3.67	+ 8 31.1	2.531	2.711	21.4	21.0	90 W	54	50*
12 2	10 10.16	+ 7 59.3	2.383	2.704	21.2	20.9	98 W	53	54*
12 12	10 14.72	+ 7 39.0	2.237	2.695	20.4	20.7	107 W	53	56*
12 22	10 17.07	+ 7 32.6	2.097	2.686	19.1	20.5	117 W	53	56
1 1	10 16.92	+ 7 42.7	1.967	2.675	17.1	20.3	127 W	53	56
1 11	10 14.08	+ 8 10.9	1.851	2.663	14.3	20.1	138 W	53	56
1 21	10 8.54	+ 8 57.7	1.755	2.651	10.8	19.8	150 W	54	55

88264 2001 KN_{20}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	2 51.90	+ 3 42.1	1.418	2.143	22.0	20.5	125 E	49	60
1 6	2 53.56	+ 5 27.6	1.572	2.195	23.6	20.8	117 E	50	59
1 16	2 57.96	+ 7 12.4	1.736	2.246	24.6	21.1	108 E	52	57*
1 26	3 4.68	+ 8 54.9	1.907	2.296	25.0	21.4	100 E	54	54*
2 5	3 13.26	+10 33.5	2.082	2.345	24.8	21.6	93 E	56	50*

261934 2006 MK_8

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	2 51.93	−10 33.7	0.951	1.659	31.5	19.3	118 E	34	75
1 1	2 55.01	− 8 0.1	0.992	1.672	32.0	19.5	116 E	37	72
1 6	2 58.85	− 5 29.9	1.036	1.685	32.5	19.6	113 E	40	69
1 11	3 3.38	− 3 4.1	1.084	1.699	32.8	19.7	110 E	42	67
1 16	3 8.58	− 0 43.4	1.134	1.713	33.1	19.8	108 E	44	65
1 26	3 20.71	+ 3 40.4	1.243	1.743	33.5	20.1	102 E	49	60*
2 5	3 34.85	+ 7 39.1	1.360	1.775	33.5	20.3	97 E	53	55*
2 15	3 50.66	+11 12.1	1.485	1.808	33.1	20.5	92 E	56	50*
2 25	4 7.91	+14 20.1	1.617	1.842	32.4	20.7	86 E	59*	46*
3 7	4 26.32	+17 3.8	1.752	1.878	31.5	20.9	81 E	60*	43*
3 17	4 45.73	+19 24.5	1.890	1.914	30.3	21.1	76 E	58*	40*
3 27	5 5.94	+21 23.3	2.029	1.951	29.0	21.3	71 E	56*	37*
4 6	5 26.77	+23 1.4	2.168	1.988	27.4	21.4	66 E	52*	35*

172451 2003 QV_{79}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	2 52.50	+22 10.4	2.039	2.791	15.3	21.3	132 E	67	42
1 6	2 50.23	+22 3.2	2.158	2.794	17.6	21.5	121 E	67	42
1 16	2 50.84	+22 5.6	2.290	2.797	19.2	21.7	111 E	67	42*
1 26	2 54.07	+22 17.7	2.429	2.798	20.2	21.9	102 E	67	40*
2 5	2 59.60	+22 38.3	2.571	2.798	20.6	22.0	93 E	68	38*

334947 2004 CB_{27}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	2 53.60	+28 7.5	1.208	2.010	21.0	19.6	133 E	73	36
1 6	2 58.18	+27 30.5	1.334	2.051	23.5	19.9	124 E	73	36
1 16	3 5.79	+27 8.1	1.471	2.092	25.1	20.2	115 E	72	37
1 26	3 15.90	+26 58.2	1.618	2.132	26.1	20.5	108 E	72	37*
2 5	3 27.98	+26 58.1	1.770	2.173	26.5	20.7	100 E	72	36*
2 15	3 41.66	+27 4.6	1.927	2.213	26.5	20.9	93 E	72	35*
2 25	3 56.63	+27 15.1	2.087	2.253	26.0	21.1	86 E	71*	33*
3 7	4 12.59	+27 27.1	2.247	2.292	25.2	21.3	80 E	68*	32*
3 17	4 29.36	+27 38.5	2.405	2.330	24.2	21.5	74 E	63*	31*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
138893 2000 YH_{66}									
	h m	° ′			°	m	°	°	°
12 27	2 54.54	+25 37.3	1.243	2.042	20.7	21.1	133 E	71	38
1 1	2 49.80	+24 29.1	1.295	2.038	22.8	21.3	126 E	69	40
1 6	2 46.49	+23 28.6	1.350	2.034	24.6	21.4	120 E	68	41
1 11	2 44.50	+22 36.1	1.409	2.027	26.1	21.6	115 E	68	41
1 16	2 43.69	+21 51.4	1.469	2.020	27.4	21.7	109 E	67	42*
334055 2001 OK_{21}									
12 27	2 55.54	+27 11.2	1.533	2.320	18.0	20.6	133 E	72	37
1 6	2 57.33	+26 25.1	1.668	2.358	20.4	20.9	123 E	71	38
1 16	3 2.07	+25 54.0	1.815	2.395	22.0	21.2	114 E	71	38*
1 26	3 9.32	+25 36.6	1.971	2.432	22.9	21.4	106 E	71	38*
2 5	3 18.63	+25 30.4	2.133	2.468	23.3	21.6	98 E	71	37*
76828 2000 SL_{161}									
12 27	2 56.73	+16 56.0	1.592	2.360	18.2	20.1	131 E	62	47
1 6	2 56.70	+16 12.8	1.713	2.373	20.8	20.4	121 E	61	48
1 16	2 59.68	+15 48.6	1.844	2.384	22.6	20.6	111 E	61	48*
1 26	3 5.29	+15 40.6	1.983	2.395	23.7	20.8	102 E	61	47*
2 5	3 13.13	+15 45.5	2.125	2.404	24.1	21.0	94 E	61	46*
2 15	3 22.86	+15 59.9	2.267	2.413	24.1	21.1	86 E	61*	43*
2 25	3 34.18	+16 20.8	2.407	2.420	23.7	21.2	79 E	59*	41*
3 7	3 46.82	+16 45.5	2.543	2.426	22.9	21.3	72 E	55*	38*
3 17	4 0.60	+17 11.6	2.674	2.432	21.8	21.4	65 E	51*	36*
3 27	4 15.33	+17 37.0	2.796	2.436	20.5	21.5	59 E	45*	33*
328508 2009 QH_9									
12 27	2 57.42	+19 48.0	1.274	2.067	20.6	21.0	132 E	65	44
1 6	3 0.92	+19 50.3	1.401	2.103	23.1	21.3	123 E	65	44
1 16	3 7.35	+20 4.7	1.539	2.139	24.8	21.6	114 E	65	44
1 26	3 16.26	+20 28.5	1.685	2.175	25.8	21.9	106 E	65	43*
2 5	3 27.19	+20 58.8	1.837	2.211	26.2	22.1	99 E	66	42*
79571 1998 QG_{92}									
12 27	2 57.67	+11 25.5	1.317	2.087	21.2	19.1	130 E	56	53
1 6	3 0.75	+12 19.6	1.448	2.124	23.5	19.4	121 E	57	52
1 16	3 6.62	+13 20.8	1.589	2.161	24.9	19.7	112 E	58	51
1 26	3 14.90	+14 26.4	1.738	2.198	25.7	20.0	104 E	59	49*
2 5	3 25.15	+15 33.7	1.893	2.235	26.0	20.2	97 E	61	47*
2 15	3 37.04	+16 40.5	2.051	2.272	25.8	20.4	90 E	62	44*
2 25	3 50.30	+17 45.2	2.210	2.308	25.2	20.6	83 E	62*	41*
3 7	4 4.66	+18 46.1	2.368	2.344	24.3	20.8	76 E	59*	39*
3 17	4 19.94	+19 42.1	2.524	2.379	23.2	20.9	70 E	55*	36*
3 27	4 35.97	+20 32.0	2.676	2.414	21.8	21.0	64 E	50*	34*
4 6	4 52.58	+21 15.2	2.823	2.448	20.3	21.1	58 E	45*	32*
4 16	5 9.66	+21 51.0	2.963	2.482	18.7	21.2	52 E	39*	29*
4 26	5 27.08	+22 18.9	3.096	2.515	16.9	21.3	47 E	33*	27*
5 6	5 44.73	+22 38.7	3.220	2.547	15.1	21.3	41 E	27*	24*
5 16	6 2.53	+22 50.3	3.334	2.578	13.2	21.3	36 E	21*	22*
5 26	6 20.38	+22 53.6	3.437	2.609	11.2	21.4	30 E	16*	18*
6 5	6 38.18	+22 48.8	3.529	2.639	9.2	21.4	25 E	10*	15*
6 15	6 55.89	+22 36.2	3.608	2.668	7.1	21.3	19 E	6*	11*
6 25	7 13.41	+22 16.2	3.674	2.697	5.1	21.3	14 E	1*	6*
7 5	7 30.69	+21 49.3	3.727	2.724	3.0	21.2	8 E	—	2*
7 15	7 47.69	+21 15.8	3.766	2.751	0.9	21.1	3 E	—	—
7 25	8 4.33	+20 36.7	3.790	2.777	1.1	21.2	3 W	—	—
8 4	8 20.58	+19 52.4	3.800	2.802	3.2	21.4	9 W	1*	—
8 14	8 36.41	+19 3.8	3.795	2.826	5.2	21.5	15 W	7*	4*
148433 2000 XW									
12 27	2 57.91	+ 2 35.3	1.235	1.982	23.6	19.4	126 E	48	61
1 1	2 55.67	+ 4 2.4	1.270	1.970	25.2	19.5	121 E	49	60
1 6	2 54.46	+ 5 30.8	1.308	1.958	26.6	19.5	117 E	51	58
1 11	2 54.25	+ 6 59.9	1.348	1.946	27.9	19.6	112 E	52	57
1 16	2 55.02	+ 8 29.1	1.391	1.935	28.9	19.7	108 E	53	55*
1 26	2 59.29	+11 26.0	1.480	1.911	30.5	19.9	100 E	56	51*
2 5	3 6.85	+14 18.9	1.573	1.888	31.5	20.0	92 E	59	46*
2 15	3 17.35	+17 6.0	1.666	1.865	31.9	20.1	85 E	62*	42*
2 25	3 30.47	+19 46.2	1.757	1.842	31.8	20.2	79 E	62*	37*
3 7	3 45.96	+22 18.1	1.844	1.819	31.4	20.3	73 E	60*	33*
3 17	4 3.66	+24 40.3	1.927	1.798	30.7	20.3	67 E	57*	30*
3 27	4 23.41	+26 51.6	2.004	1.777	29.8	20.4	62 E	53*	27*
4 6	4 45.10	+28 50.0	2.075	1.757	28.8	20.4	58 E	49*	25*
4 16	5 8.65	+30 33.7	2.139	1.737	27.6	20.4	53 E	44*	22*
4 26	5 33.92	+32 0.6	2.197	1.719	26.3	20.4	49 E	40*	21*
5 6	6 0.76	+33 8.4	2.249	1.703	25.0	20.4	46 E	36*	19*
5 16	6 29.00	+33 55.2	2.294	1.687	23.7	20.4	42 E	33*	18*
5 26	6 58.39	+34 19.1	2.334	1.673	22.4	20.3	39 E	29*	16*
6 5	7 28.62	+34 18.6	2.368	1.661	21.1	20.3	36 E	26*	15*
6 15	7 59.38	+33 52.9	2.398	1.651	19.9	20.3	34 E	23*	14*
6 25	8 30.34	+33 1.8	2.425	1.643	18.7	20.3	31 E	21*	13*
7 5	9 1.18	+31 46.0	2.448	1.636	17.6	20.2	29 E	19*	12*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
148433 2000 XW *(continuation)*									
	h m	° ′			°	m	°	°	°
7 15	9 31.66	+30 6.9	2.470	1.632	16.5	20.2	27 E	18*	11*
7 25	10 1.55	+28 6.4	2.489	1.629	15.4	20.2	25 E	16*	10*
8 4	10 30.74	+25 47.3	2.508	1.629	14.4	20.2	24 E	15*	9*
8 14	10 59.16	+23 12.3	2.527	1.631	13.4	20.2	22 E	14*	8*
8 24	11 26.81	+20 25.0	2.545	1.635	12.4	20.1	20 E	13*	6*
9 3	11 53.72	+17 28.4	2.563	1.641	11.4	20.1	19 E	12*	4*
9 13	12 19.96	+14 25.9	2.582	1.649	10.5	20.1	17 E	11*	2*
9 23	12 45.62	+11 20.7	2.600	1.659	9.6	20.1	16 E	10*	—
10 3	13 10.78	+ 8 15.7	2.618	1.671	8.9	20.1	15 E	9*	—
10 13	13 35.54	+ 5 13.7	2.634	1.684	8.3	20.1	14 E	7*	—
10 23	13 59.98	+ 2 17.0	2.649	1.699	8.0	20.1	14 E	5*	—
11 2	14 24.15	− 0 32.2	2.661	1.716	8.1	20.2	14 W	5*	—
11 12	14 48.14	− 3 12.2	2.669	1.734	8.6	20.2	15 W	8*	—
11 22	15 11.94	− 5 41.4	2.673	1.753	9.5	20.3	17 W	11*	—
12 2	15 35.59	− 7 59.0	2.671	1.773	10.7	20.4	19 W	13*	—
12 12	15 59.08	−10 4.2	2.663	1.794	12.1	20.4	22 W	16*	4*
12 22	16 22.38	−11 56.5	2.648	1.815	13.7	20.5	26 W	17*	9*
1 1	16 45.45	−13 36.0	2.626	1.837	15.4	20.6	30 W	19*	15*
1 11	17 8.23	−15 3.1	2.594	1.860	17.1	20.6	34 W	19*	21*
1 21	17 30.63	−16 18.3	2.555	1.883	18.9	20.7	38 W	20*	27*
88412 2001 QN_{28}									
12 27	2 58.31	+22 31.3	1.578	2.361	17.7	20.3	133 E	68	41
1 6	2 58.24	+22 15.6	1.710	2.390	20.2	20.6	123 E	67	42
1 16	3 1.28	+22 12.2	1.853	2.418	21.9	20.8	113 E	67	42*
1 26	3 7.01	+22 19.9	2.005	2.445	22.9	21.0	105 E	67	41*
2 5	3 15.00	+22 36.5	2.162	2.471	23.4	21.2	96 E	68	39*
2 15	3 24.87	+22 59.7	2.320	2.497	23.3	21.4	88 E	68*	37*
245236 2004 XL_{130}									
12 27	2 59.13	+47 58.6	0.958	1.780	23.9	18.5	133 E	87	16
1 1	3 4.01	+45 54.0	0.996	1.795	24.8	18.6	130 E	89	18
1 6	3 9.68	+43 55.9	1.038	1.810	25.7	18.7	127 E	89	20
1 11	3 16.01	+42 5.1	1.084	1.825	26.6	18.9	124 E	87	22
1 16	3 22.91	+40 22.3	1.134	1.841	27.4	19.0	121 E	85	24
1 21	3 30.29	+38 47.6	1.187	1.857	28.1	19.2	117 E	84	25
1 26	3 38.08	+37 20.8	1.244	1.873	28.7	19.3	114 E	82	27*
1 31	3 46.20	+36 1.5	1.304	1.890	29.2	19.4	111 E	81	28*
2 5	3 54.60	+34 49.1	1.366	1.906	29.6	19.6	107 E	80	29*
2 15	4 12.08	+32 42.6	1.497	1.940	30.0	19.8	101 E	78	31*
2 25	4 30.24	+30 56.3	1.635	1.973	30.0	20.0	94 E	76	32*
3 7	4 48.86	+29 24.9	1.778	2.007	29.6	20.3	88 E	73*	33*
3 17	5 7.77	+28 4.0	1.923	2.041	28.9	20.4	82 E	68*	33*
3 27	5 26.86	+26 49.9	2.070	2.075	27.9	20.6	76 E	63*	34*
4 6	5 46.01	+25 39.4	2.216	2.109	26.6	20.7	71 E	57*	34*
4 16	6 5.14	+24 30.2	2.359	2.142	25.2	20.9	65 E	51*	34*
4 26	6 24.19	+23 20.4	2.499	2.176	23.6	21.0	60 E	44*	34*
5 6	6 43.06	+22 8.5	2.635	2.208	21.9	21.1	55 E	37*	33*
5 16	7 1.74	+20 53.5	2.764	2.241	20.0	21.2	49 E	30*	32*
5 26	7 20.17	+19 34.7	2.885	2.272	18.1	21.2	44 E	24*	31*
6 5	7 38.31	+18 11.7	2.999	2.303	16.1	21.3	39 E	17*	29*
6 15	7 56.16	+16 44.2	3.104	2.334	14.1	21.3	34 E	11*	26*
6 25	8 13.67	+15 12.0	3.198	2.363	12.1	21.3	29 E	6*	22*
7 5	8 30.85	+13 35.2	3.282	2.392	10.1	21.3	24 E	1*	18*
7 15	8 47.68	+11 53.8	3.355	2.420	8.0	21.3	19 E	—	13*
7 25	9 4.16	+10 8.1	3.415	2.448	6.1	21.3	15 E	—	8*
8 4	9 20.29	+ 8 18.3	3.464	2.474	4.4	21.3	11 E	—	3*
8 14	9 36.07	+ 6 24.6	3.499	2.500	3.3	21.2	8 E	—	—
8 24	9 51.48	+ 4 27.3	3.520	2.524	3.3	21.3	8 W	—	1*
9 3	10 6.53	+ 2 26.8	3.529	2.548	4.5	21.4	12 W	—	6*
9 13	10 21.22	+ 0 23.3	3.523	2.571	6.2	21.5	16 W	2*	10*
252087 2000 UK_3									
12 27	2 59.13	+19 53.1	1.394	2.183	19.4	20.0	133 E	65	44
1 6	2 59.84	+20 26.0	1.525	2.217	21.9	20.3	123 E	65	44
1 16	3 3.78	+21 5.2	1.667	2.250	23.6	20.6	114 E	66	43
1 26	3 10.49	+21 49.6	1.818	2.282	24.6	20.8	105 E	67	42*
2 5	3 19.51	+22 37.6	1.973	2.314	25.0	21.1	97 E	68	40*
2 15	3 30.46	+23 27.4	2.131	2.345	24.9	21.2	90 E	68*	37*
2 25	3 43.01	+24 17.5	2.288	2.376	24.4	21.4	83 E	67*	35*
4055 Magellan									
12 27	2 59.36	−21 41.0	1.173	1.801	30.2	17.6	113 E	23	86
1 1	3 1.45	−20 7.3	1.229	1.822	30.4	17.8	110 E	25	84
1 6	3 4.23	−18 32.5	1.287	1.843	30.5	17.9	108 E	26	83
1 11	3 7.65	−16 57.3	1.347	1.863	30.6	18.0	105 E	28	81
1 16	3 11.65	−15 22.6	1.408	1.883	30.7	18.1	102 E	30	79
1 21	3 16.19	−13 48.9	1.471	1.903	30.6	18.3	100 E	31	78*
1 26	3 21.22	−12 16.8	1.534	1.923	30.5	18.4	97 E	33	76*

4055 Magellan *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
2 5	3 32.52	− 9 19.0	1.665	1.961	30.2	18.6	92 E	36	71*
2 15	3 45.26	− 6 31.4	1.798	1.998	29.6	18.8	86 E	38	66*
2 25	3 59.20	− 3 55.6	1.933	2.033	28.8	18.9	81 E	41*	61*
3 7	4 14.12	− 1 32.8	2.069	2.067	27.8	19.1	76 E	41*	57*
3 17	4 29.87	+ 0 36.6	2.204	2.100	26.6	19.2	71 E	40*	53*
3 27	4 46.30	+ 2 32.1	2.336	2.131	25.3	19.3	66 E	37*	50*
4 6	5 3.28	+ 4 13.7	2.466	2.160	23.8	19.5	61 E	34*	46*
4 16	5 20.72	+ 5 41.3	2.590	2.188	22.3	19.5	56 E	30*	43*
4 26	5 38.51	+ 6 55.1	2.709	2.215	20.6	19.6	51 E	25*	40*
5 6	5 56.55	+ 7 55.4	2.822	2.239	18.9	19.7	46 E	19*	37*
5 16	6 14.79	+ 8 42.6	2.926	2.262	17.0	19.7	41 E	14*	33*
5 26	6 33.12	+ 9 17.0	3.022	2.284	15.2	19.7	36 E	8*	29*
6 5	6 51.50	+ 9 39.3	3.108	2.304	13.3	19.7	31 E	3*	25*
6 15	7 9.86	+ 9 50.0	3.184	2.322	11.3	19.7	27 E	—	21*
6 25	7 28.14	+ 9 49.8	3.248	2.339	9.4	19.7	22 E	—	16*
7 5	7 46.29	+ 9 39.4	3.301	2.354	7.6	19.7	18 E	—	11*
7 15	8 4.29	+ 9 19.5	3.341	2.367	5.9	19.7	14 E	—	5*
7 25	8 22.08	+ 8 51.0	3.368	2.379	4.6	19.6	11 E	—	—
8 4	8 39.64	+ 8 14.7	3.382	2.389	4.2	19.6	10 W	—	2*
8 14	8 56.96	+ 7 31.5	3.381	2.397	4.8	19.7	11 W	—	5*
8 24	9 14.00	+ 6 42.2	3.367	2.404	6.2	19.7	15 W	—	9*
9 3	9 30.75	+ 5 47.9	3.339	2.409	7.9	19.8	19 W	6*	12*
9 13	9 47.20	+ 4 49.5	3.296	2.412	9.8	19.8	24 W	12*	15*
9 23	10 3.32	+ 3 48.1	3.239	2.414	11.7	19.9	29 W	17*	18*
10 3	10 19.09	+ 2 44.8	3.168	2.414	13.7	19.9	35 W	22*	21*
10 13	10 34.48	+ 1 40.8	3.083	2.412	15.6	19.9	40 W	28*	25*
10 23	10 49.46	+ 0 37.3	2.986	2.409	17.4	19.9	46 W	32*	29*
11 2	11 3.98	− 0 24.1	2.877	2.404	19.1	19.9	52 W	36*	33*
11 12	11 17.96	− 1 21.9	2.756	2.398	20.7	19.8	59 W	39*	37*
11 22	11 31.31	− 2 14.3	2.626	2.390	22.1	19.8	65 W	41*	42*
12 2	11 43.94	− 2 59.2	2.487	2.380	23.2	19.7	72 W	42*	48*
12 12	11 55.66	− 3 34.2	2.341	2.368	24.1	19.5	79 W	41	54*
12 22	12 6.29	− 3 56.5	2.191	2.355	24.7	19.4	87 W	41	60*
1 1	12 15.59	− 4 2.8	2.039	2.340	24.7	19.2	95 W	41	65*
1 11	12 23.23	− 3 49.2	1.887	2.324	24.3	19.0	104 W	41	68*
1 21	12 28.88	− 3 11.4	1.740	2.306	23.2	18.8	113 W	42	67

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20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	3 0.20	+28 35.0	2.266	3.035	13.4	18.7	134 E	74	35
1 6	2 59.04	+27 28.7	2.409	3.069	15.4	18.9	124 E	72	37
1 16	3 0.43	+26 35.7	2.566	3.102	16.8	19.1	114 E	72	37*
1 26	3 4.11	+25 56.1	2.735	3.133	17.7	19.3	105 E	71	37*
2 5	3 9.73	+25 28.8	2.909	3.165	18.1	19.5	96 E	70	36*
2 15	3 17.00	+25 11.9	3.085	3.195	18.0	19.6	87 E	70*	34*
2 25	3 25.67	+25 3.6	3.261	3.224	17.5	19.7	79 E	66*	32*
3 7	3 35.48	+25 1.8	3.432	3.253	16.8	19.8	71 E	61*	30*
3 17	3 46.25	+25 4.7	3.597	3.280	15.8	19.9	64 E	54*	27*
3 27	3 57.81	+25 10.6	3.753	3.307	14.6	20.0	56 E	47*	25*
4 6	4 9.99	+25 18.0	3.899	3.333	13.1	20.0	49 E	40*	22*
4 16	4 22.70	+25 25.7	4.032	3.358	11.6	20.1	42 E	33*	19*
4 26	4 35.79	+25 32.6	4.151	3.383	9.9	20.1	36 E	26*	16*
5 6	4 49.18	+25 37.7	4.255	3.406	8.2	20.1	29 E	20*	13*
5 16	5 2.77	+25 40.5	4.343	3.429	6.4	20.1	22 E	13*	9*
5 26	5 16.48	+25 40.3	4.415	3.450	4.6	20.0	16 E	7*	5*
6 5	5 30.20	+25 36.8	4.469	3.471	2.7	19.9	9 E	2*	—
6 15	5 43.89	+25 29.6	4.505	3.491	1.0	19.8	3 E	—	—
6 25	5 57.43	+25 18.7	4.523	3.511	1.3	19.9	4 W	—	—
7 5	6 10.77	+25 3.9	4.523	3.529	3.0	20.0	11 W	2*	2*
7 15	6 23.82	+24 45.3	4.505	3.547	4.8	20.1	17 W	7*	7*
7 25	6 36.48	+24 23.2	4.470	3.563	6.6	20.2	24 W	13*	12*
8 4	6 48.69	+23 57.7	4.417	3.579	8.3	20.3	30 W	19*	16*
8 14	7 0.35	+23 29.3	4.347	3.594	9.8	20.3	37 W	26*	20*
8 24	7 11.35	+22 58.3	4.261	3.608	11.3	20.3	44 W	33*	24*
9 3	7 21.59	+22 25.5	4.160	3.622	12.6	20.3	52 W	40*	27*
9 13	7 30.94	+21 51.2	4.046	3.634	13.7	20.3	59 W	47*	30*
9 23	7 39.25	+21 16.4	3.921	3.646	14.7	20.3	67 W	54*	34*
10 3	7 46.39	+20 41.8	3.786	3.657	15.3	20.3	75 W	60*	37*
10 13	7 52.17	+20 8.2	3.645	3.667	15.7	20.2	83 W	64*	40*
10 23	7 56.40	+19 36.6	3.500	3.676	15.7	20.1	92 W	65	42*
11 2	7 58.91	+19 7.8	3.355	3.684	15.3	20.0	102 W	64	44*
11 12	7 59.50	+18 42.5	3.214	3.692	14.5	19.9	111 W	64	45
11 22	7 58.03	+18 21.5	3.083	3.698	13.1	19.8	122 W	63	46
12 2	7 54.44	+18 5.0	2.965	3.704	11.3	19.6	133 W	63	46
12 12	7 48.80	+17 53.0	2.868	3.709	9.0	19.4	144 W	63	46
12 22	7 41.36	+17 44.9	2.795	3.713	6.3	19.3	156 W	63	46
1 1	7 32.59	+17 39.8	2.750	3.716	3.3	19.1	168 W	63	46
1 11	7 23.14	+17 36.9	2.738	3.719	1.2	18.9	176 E	63	46
1 21	7 13.77	+17 35.1	2.758	3.721	3.6	19.1	166 E	63	46

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20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 27	3 0.23	+19 40.3	1.457	2.244	18.8	20.8	133 E	65	44
1 6	3 1.90	+19 7.5	1.587	2.276	21.3	21.1	123 E	64	45
1 16	3 6.48	+18 51.7	1.730	2.308	23.0	21.4	114 E	64	45
1 26	3 13.55	+18 50.2	1.880	2.338	24.0	21.6	105 E	64	45*
2 5	3 22.69	+18 59.6	2.036	2.369	24.4	21.9	97 E	64	43*

504074 2006 *AD*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	3 0.73	−62 32.2	1.018	1.356	46.3	19.4	85 E	—	53
12 29	2 55.88	−61 17.8	1.008	1.345	46.7	19.3	85 E	—	55
12 31	2 51.56	−59 59.7	0.997	1.335	47.2	19.3	85 E	—	56
1 2	2 47.74	−58 37.8	0.987	1.324	47.7	19.3	84 E	—	57
1 4	2 44.39	−57 12.4	0.977	1.313	48.2	19.2	84 E	—	59
1 6	2 41.47	−55 43.4	0.967	1.301	48.7	19.2	84 E	—	60
1 8	2 38.95	−54 11.0	0.957	1.289	49.2	19.2	83 E	—	62
1 10	2 36.80	−52 35.3	0.947	1.278	49.8	19.2	83 E	—	63*
1 12	2 34.99	−50 56.3	0.937	1.265	50.4	19.1	82 E	—	65*
1 14	2 33.50	−49 14.1	0.927	1.253	51.0	19.1	82 E	—	66*
1 16	2 32.29	−47 28.8	0.918	1.240	51.6	19.1	81 E	—	68*
1 21	2 30.36	−42 52.6	0.896	1.207	53.4	19.0	80 E	2	70*
1 26	2 29.71	−37 58.8	0.875	1.172	55.2	19.0	78 E	7	71*
1 31	2 30.04	−32 48.6	0.857	1.135	57.2	18.9	76 E	12	70*
2 5	2 31.10	−27 23.4	0.841	1.097	59.4	18.9	73 E	18*	67*
2 10	2 32.69	−21 45.1	0.827	1.057	61.7	18.8	71 E	23*	63*
2 15	2 34.59	−15 55.7	0.817	1.016	64.2	18.8	68 E	27*	58*
2 20	2 36.59	− 9 57.9	0.808	0.972	66.7	18.7	65 E	32*	52*
2 25	2 38.44	− 3 54.2	0.803	0.928	69.3	18.7	61 E	35*	46*
3 2	2 39.86	+ 2 12.4	0.800	0.882	72.0	18.7	58 E	38*	40*
3 7	2 40.54	+ 8 18.7	0.799	0.835	74.7	18.6	54 E	39*	33*
3 12	2 40.06	+14 20.9	0.800	0.788	77.4	18.6	51 E	40*	26*
3 17	2 37.86	+20 14.1	0.803	0.741	80.1	18.6	47 E	39*	20*
3 22	2 33.25	+25 51.7	0.806	0.695	82.8	18.5	44 E	37*	13*
3 27	2 25.35	+31 4.1	0.810	0.652	85.4	18.5	41 E	35*	6*
3 29	2 21.07	+32 59.0	0.811	0.635	86.4	18.5	39 E	33*	3*
3 31	2 16.08	+34 46.5	0.813	0.620	87.4	18.5	38 E	32*	—
4 2	2 10.35	+36 25.4	0.814	0.605	88.3	18.5	37 E	30*	—
4 4	2 3.87	+37 54.3	0.816	0.591	89.2	18.5	36 E	28*	—
4 6	1 56.66	+39 11.7	0.817	0.578	90.0	18.4	35 E	26*	—
4 8	1 48.79	+40 16.1	0.818	0.567	90.7	18.4	34 E	24*	—
4 10	1 40.36	+41 6.3	0.819	0.557	91.4	18.4	34 E	22*	—
4 12	1 31.54	+41 41.0	0.821	0.549	91.9	18.4	33 E	20*	—
4 14	1 22.52	+41 59.4	0.822	0.543	92.4	18.4	33 W	19*	—
4 16	1 13.54	+42 1.0	0.822	0.538	92.7	18.4	32 W	21*	—
4 18	1 4.84	+41 45.8	0.823	0.535	92.8	18.4	32 W	22*	—
4 20	0 56.65	+41 14.6	0.824	0.535	92.9	18.4	32 W	24*	—
4 22	0 49.20	+40 28.2	0.824	0.536	92.8	18.4	32 W	25*	—
4 24	0 42.62	+39 28.1	0.825	0.540	92.6	18.4	32 W	26*	—
4 26	0 37.04	+38 16.0	0.825	0.545	92.2	18.4	33 W	27*	1*
4 28	0 32.50	+36 53.6	0.825	0.553	91.7	18.4	33 W	27*	4*
4 30	0 29.02	+35 22.7	0.825	0.562	91.2	18.5	34 W	28*	7*
5 2	0 26.58	+33 45.0	0.824	0.572	90.5	18.5	35 W	28*	10*
5 4	0 25.10	+32 2.0	0.824	0.584	89.8	18.5	35 W	28*	12*
5 6	0 24.54	+30 15.1	0.823	0.597	89.0	18.5	36 W	28*	15*
5 8	0 24.80	+28 25.4	0.823	0.612	88.2	18.5	37 W	27*	18*
5 10	0 25.81	+26 33.7	0.822	0.627	87.3	18.5	38 W	27*	20*
5 12	0 27.49	+24 40.9	0.820	0.643	86.4	18.5	39 W	26*	23*
5 14	0 29.77	+22 47.4	0.819	0.660	85.5	18.6	41 W	25*	25*
5 16	0 32.58	+20 53.7	0.818	0.677	84.6	18.6	42 W	25*	27*
5 21	0 41.53	+16 10.3	0.814	0.722	82.2	18.6	45 W	22*	33*
5 26	0 52.68	+11 30.4	0.810	0.769	79.8	18.7	48 W	20*	38*
5 31	1 5.46	+ 6 55.2	0.807	0.816	77.3	18.7	52 W	17*	43*
6 5	1 19.48	+ 2 25.0	0.804	0.863	74.9	18.7	55 W	14*	48*
6 15	1 50.05	− 6 20.1	0.804	0.954	70.0	18.8	62 W	9*	56*
6 25	2 22.72	−14 42.0	0.812	1.040	65.2	18.8	68 W	4*	62*
7 5	2 56.39	−22 34.0	0.830	1.120	60.7	18.9	74 W	—	67*
7 10	3 13.31	−26 16.8	0.843	1.157	58.6	19.0	76 W	—	68*
7 15	3 30.14	−29 50.0	0.859	1.193	56.6	19.0	78 W	—	68*
7 20	3 46.78	−33 12.9	0.877	1.227	54.8	19.1	80 W	—	68*
7 25	4 3.15	−36 25.4	0.897	1.259	53.1	19.1	82 W	—	67*
7 30	4 19.17	−39 27.7	0.919	1.289	51.5	19.2	83 W	—	66*
8 4	4 34.74	−42 20.3	0.942	1.318	50.0	19.2	85 W	—	65*
8 9	4 49.79	−45 3.8	0.966	1.345	48.7	19.3	86 W	—	64*
8 14	5 4.22	−47 39.0	0.991	1.370	47.5	19.4	86 W	—	62*
8 19	5 17.96	−50 6.4	1.017	1.394	46.5	19.4	87 W	—	61*
8 24	5 30.94	−52 26.8	1.043	1.416	45.5	19.5	87 W	—	59*
8 29	5 43.08	−54 41.3	1.069	1.437	44.6	19.5	87 W	—	58*
9 3	5 54.29	−56 50.6	1.094	1.455	43.8	19.6	87 W	—	56*
9 8	6 4.45	−58 55.5	1.119	1.473	43.1	19.7	88 W	—	55*
9 13	6 13.42	−60 56.4	1.143	1.488	42.5	19.7	87 W	—	53*
9 18	6 21.05	−62 53.8	1.165	1.503	41.9	19.8	87 W	—	52*

504074 2006 *AD* *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
9 23	6 27.15	−64 47.9	1.187	1.515	41.4	19.8	87 W	—	50*
9 28	6 31.45	−66 39.1	1.207	1.526	41.0	19.8	87 W	—	49*
10 3	6 33.60	−68 27.1	1.226	1.536	40.6	19.9	87 W	—	47*
10 5	6 33.76	−69 9.4	1.233	1.539	40.4	19.9	87 W	—	47*
10 7	6 33.47	−69 51.0	1.239	1.542	40.3	19.9	86 W	—	46*
10 9	6 32.68	−70 32.0	1.246	1.545	40.2	19.9	86 W	—	45*
10 11	6 31.36	−71 12.2	1.252	1.548	40.1	19.9	86 W	—	45*
10 13	6 29.45	−71 51.5	1.258	1.551	39.9	19.9	86 W	—	44
10 15	6 26.92	−72 29.8	1.264	1.553	39.8	19.9	86 W	—	44
10 17	6 23.71	−73 7.0	1.269	1.555	39.7	19.9	86 W	—	43
10 19	6 19.76	−73 42.9	1.274	1.556	39.7	20.0	86 W	—	42
10 21	6 15.02	−74 17.4	1.279	1.558	39.6	20.0	86 W	—	42
10 23	6 9.43	−74 50.3	1.283	1.559	39.5	20.0	85 W	—	41
10 25	6 2.92	−75 21.3	1.287	1.560	39.4	20.0	85 W	—	41
10 27	5 55.46	−75 50.1	1.291	1.561	39.4	20.0	85 W	—	40
10 29	5 47.01	−76 16.5	1.295	1.562	39.3	20.0	85 W	—	40
10 31	5 37.55	−76 40.1	1.298	1.562	39.3	20.0	85 W	—	39
11 2	5 27.09	−77 0.5	1.301	1.562	39.2	20.0	85 W	—	39
11 4	5 15.69	−77 17.4	1.303	1.562	39.2	20.0	85 W	—	39
11 6	5 3.43	−77 30.5	1.306	1.561	39.2	20.0	84 W	—	38
11 8	4 50.44	−77 39.3	1.308	1.561	39.2	20.0	84 W	—	38
11 10	4 36.92	−77 43.6	1.309	1.560	39.2	20.0	84 W	—	38
11 12	4 23.08	−77 43.2	1.311	1.559	39.2	20.0	84 W	—	38
11 13	4 16.11	−77 41.2	1.312	1.558	39.2	20.0	84 W	—	38
11 14	4 9.14	−77 37.9	1.312	1.557	39.2	20.0	84 W	—	38
11 15	4 2.22	−77 33.4	1.313	1.557	39.2	20.0	84 W	—	38
11 16	3 55.36	−77 27.7	1.313	1.556	39.2	20.0	84 W	—	39
11 17	3 48.60	−77 20.8	1.313	1.555	39.2	20.0	84 W	—	39
11 18	3 41.96	−77 12.7	1.314	1.554	39.2	20.0	84 W	—	39
11 19	3 35.46	−77 3.4	1.314	1.553	39.2	20.0	84 E	—	39
11 20	3 29.12	−76 52.9	1.314	1.552	39.2	20.0	83 E	—	39
11 21	3 22.97	−76 41.3	1.314	1.551	39.3	20.0	83 E	—	39
11 22	3 17.01	−76 28.6	1.314	1.550	39.3	20.0	83 E	—	40
11 23	3 11.26	−76 14.7	1.314	1.548	39.3	20.0	83 E	—	40
11 24	3 5.73	−75 59.9	1.314	1.547	39.3	20.0	83 E	—	40
11 25	3 0.43	−75 44.0	1.314	1.546	39.4	20.0	83 E	—	40
11 26	2 55.36	−75 27.1	1.313	1.544	39.4	20.0	83 E	—	41
11 27	2 50.52	−75 9.2	1.313	1.543	39.4	20.0	83 E	—	41
11 28	2 45.92	−74 50.5	1.313	1.541	39.4	20.0	83 E	—	41
11 29	2 41.55	−74 30.8	1.312	1.540	39.5	20.0	83 E	—	41
11 30	2 37.42	−74 10.3	1.312	1.538	39.5	20.0	83 E	—	42
12 1	2 33.51	−73 49.0	1.311	1.536	39.5	20.0	83 E	—	42
12 2	2 29.83	−73 26.8	1.311	1.534	39.6	20.0	83 E	—	43
12 4	2 23.12	−72 40.3	1.310	1.531	39.7	20.0	82 E	—	43
12 6	2 17.23	−71 50.9	1.308	1.527	39.8	20.0	82 E	—	44
12 8	2 12.11	−70 58.9	1.306	1.522	39.8	20.0	82 E	—	45
12 10	2 7.70	−70 4.5	1.304	1.518	40.0	20.0	82 E	—	46
12 12	2 3.94	−69 7.8	1.302	1.513	40.1	20.0	82 E	—	47
12 14	2 0.78	−68 9.0	1.300	1.508	40.2	19.9	81 E	—	48
12 16	1 58.15	−67 8.3	1.298	1.503	40.3	19.9	81 E	—	49
12 18	1 56.01	−66 5.6	1.295	1.497	40.5	19.9	81 E	—	50
12 20	1 54.32	−65 1.2	1.292	1.492	40.6	19.9	81 E	—	51
12 22	1 53.03	−63 55.0	1.289	1.486	40.8	19.9	80 E	—	52
12 24	1 52.10	−62 47.2	1.286	1.480	40.9	19.9	80 E	—	53
12 26	1 51.51	−61 37.9	1.283	1.473	41.1	19.9	80 E	—	54
12 28	1 51.21	−60 27.0	1.280	1.466	41.3	19.9	80 E	—	56
12 30	1 51.20	−59 14.6	1.277	1.459	41.5	19.9	79 E	—	57*
1 1	1 51.43	−58 0.8	1.274	1.452	41.7	19.9	79 E	—	58*
1 6	1 52.99	−54 50.3	1.265	1.433	42.2	19.8	78 E	—	61*
1 11	1 55.72	−51 31.7	1.257	1.412	42.7	19.8	77 E	—	63*
1 16	1 59.39	−48 5.7	1.248	1.390	43.4	19.8	76 E	—	65*
1 21	2 3.82	−44 32.7	1.240	1.366	44.0	19.7	75 E	—	66*

369994 1999 RQ_{55}

12 27	3 1.58	+27 51.5	0.977	1.808	22.8	19.8	135 E	73	36
1 6	3 8.20	+27 26.4	1.086	1.845	25.5	20.2	126 E	72	37
1 16	3 17.93	+27 13.6	1.207	1.882	27.5	20.5	118 E	72	37
1 26	3 30.22	+27 11.0	1.337	1.920	28.7	20.8	111 E	72	37*
2 5	3 44.50	+27 15.6	1.474	1.959	29.3	21.1	104 E	72	36*
2 15	4 0.36	+27 24.2	1.617	1.998	29.4	21.3	97 E	72	35*

6130 Hutton

12 27	3 2.07	−18 4.6	1.524	2.143	24.4	20.3	116 E	27	82
1 1	3 3.48	−16 30.7	1.596	2.175	24.6	20.4	113 E	28	81
1 6	3 5.49	−14 57.5	1.670	2.207	24.8	20.6	110 E	30	79
1 11	3 8.05	−13 25.5	1.746	2.239	24.9	20.7	107 E	32	77
1 16	3 11.13	−11 55.3	1.825	2.271	24.9	20.8	104 E	33	76
1 21	3 14.67	−10 27.2	1.906	2.303	24.8	21.0	101 E	35	74*
1 26	3 18.63	− 9 1.6	1.990	2.334	24.7	21.1	98 E	36	72*

6130 Hutton *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
1 31	3 22.98	− 7 38.8	2.074	2.366	24.5	21.2	95 E	37	70*
2 5	3 27.66	− 6 18.8	2.160	2.397	24.3	21.3	91 E	39	67*
2 10	3 32.66	− 5 1.7	2.247	2.428	24.0	21.4	88 E	40	65*

307971 2004 LG_6

12 27	3 3.13	+ 4 11.2	2.536	3.236	13.8	20.7	128 E	49	60
1 6	2 59.38	+ 4 49.7	2.621	3.197	15.8	20.8	118 E	50	59
1 16	2 57.93	+ 5 38.5	2.718	3.158	17.3	20.9	108 E	51	58*
1 26	2 58.74	+ 6 35.7	2.822	3.117	18.2	21.0	98 E	52	56*
2 5	3 1.69	+ 7 39.4	2.929	3.076	18.7	21.0	89 E	53	52*
2 15	3 6.59	+ 8 47.8	3.035	3.034	18.7	21.1	81 E	53*	47*
2 25	3 13.28	+ 9 59.4	3.135	2.991	18.4	21.1	72 E	51*	43*
3 7	3 21.55	+11 12.7	3.229	2.946	17.7	21.1	65 E	48*	39*
3 17	3 31.27	+12 26.5	3.312	2.901	16.8	21.1	57 E	42*	34*
3 27	3 42.29	+13 39.7	3.384	2.855	15.6	21.1	50 E	37*	30*
4 6	3 54.49	+14 51.1	3.444	2.808	14.3	21.0	44 E	31*	27*
4 16	4 7.77	+16 0.0	3.490	2.760	12.7	21.0	37 E	24*	23*
4 26	4 22.06	+17 5.4	3.521	2.711	11.1	20.9	31 E	18*	19*
5 6	4 37.28	+18 6.4	3.539	2.661	9.3	20.8	25 E	12*	15*
5 16	4 53.39	+19 2.3	3.542	2.611	7.4	20.7	19 E	7*	11*
5 26	5 10.34	+19 52.3	3.531	2.559	5.5	20.5	14 E	2*	7*
6 5	5 28.08	+20 35.6	3.505	2.507	3.5	20.4	9 E	—	2*
6 15	5 46.59	+21 11.6	3.467	2.454	1.6	20.2	4 E	—	—
6 25	6 5.82	+21 39.6	3.415	2.401	1.1	20.0	3 W	—	—
7 5	6 25.76	+21 59.0	3.352	2.346	3.1	20.1	7 W	—	1*
7 15	6 46.37	+22 9.2	3.278	2.292	5.2	20.1	12 W	2*	4*
7 25	7 7.62	+22 9.6	3.193	2.237	7.4	20.1	16 W	6*	7*
8 4	7 29.49	+22 0.0	3.099	2.181	9.5	20.1	21 W	11*	10*
8 14	7 51.96	+21 39.8	2.997	2.126	11.7	20.0	25 W	16*	12*
8 24	8 15.01	+21 8.9	2.888	2.070	13.9	20.0	30 W	21*	13*
9 3	8 38.64	+20 27.1	2.774	2.015	16.1	19.9	34 W	25*	15*
9 13	9 2.86	+19 34.4	2.656	1.960	18.3	19.8	38 W	30*	16*
9 23	9 27.64	+18 30.9	2.535	1.905	20.5	19.7	42 W	34*	18*
10 3	9 53.04	+17 16.9	2.413	1.852	22.6	19.6	45 W	37*	19*
10 13	10 19.07	+15 52.8	2.291	1.800	24.7	19.5	49 W	41*	20*
10 23	10 45.75	+14 19.4	2.171	1.749	26.7	19.4	52 W	44*	22*
11 2	11 13.13	+12 37.8	2.054	1.701	28.7	19.3	55 W	46*	24*
11 12	11 41.23	+10 49.2	1.941	1.655	30.7	19.2	58 W	48*	26*
11 22	12 10.05	+ 8 55.4	1.835	1.612	32.5	19.0	61 W	49*	28*
12 2	12 39.58	+ 6 58.5	1.735	1.573	34.2	18.9	64 W	49*	31*
12 12	13 9.76	+ 5 1.1	1.643	1.538	35.9	18.8	66 W	48*	34*
12 22	13 40.45	+ 3 6.2	1.559	1.508	37.4	18.7	68 W	47*	38*
1 1	14 11.50	+ 1 16.7	1.484	1.483	38.7	18.6	71 W	46*	42*
1 11	14 42.61	− 0 24.3	1.416	1.464	39.9	18.5	73 W	44*	46*
1 21	15 13.49	− 1 54.4	1.356	1.451	40.9	18.4	75 W	43*	50*

316866 2000 QD_{124}

12 27	3 4.18	+22 14.1	1.411	2.213	18.6	20.6	134 E	67	42
1 6	3 5.24	+21 53.3	1.535	2.242	21.2	20.9	124 E	67	42
1 16	3 9.44	+21 46.2	1.672	2.270	23.1	21.2	115 E	67	42
1 26	3 16.35	+21 51.0	1.816	2.299	24.2	21.4	106 E	67	42*
2 5	3 25.52	+22 5.0	1.967	2.326	24.8	21.6	98 E	67	40*

3688 Navajo

12 27	3 4.40	+20 5.9	1.754	2.536	16.2	19.2	134 E	65	44
1 6	3 1.59	+19 52.7	1.808	2.484	19.4	19.3	123 E	65	44
1 16	3 1.98	+19 51.3	1.874	2.432	21.9	19.5	113 E	65	44*
1 26	3 5.52	+20 1.9	1.948	2.380	23.7	19.5	104 E	65	43*
2 5	3 12.00	+20 23.5	2.025	2.328	25.0	19.6	95 E	65	41*
2 15	3 21.19	+20 54.2	2.102	2.277	25.7	19.7	87 E	66*	39*
2 25	3 32.85	+21 31.7	2.177	2.226	26.0	19.7	80 E	64*	36*
3 7	3 46.74	+22 13.3	2.247	2.176	25.9	19.7	73 E	60*	34*
3 17	4 2.68	+22 56.4	2.311	2.127	25.5	19.7	67 E	55*	31*
3 27	4 20.51	+23 38.3	2.369	2.079	24.8	19.7	61 E	50*	29*
4 6	4 40.07	+24 16.2	2.420	2.032	24.0	19.7	56 E	45*	27*
4 16	5 1.23	+24 47.5	2.464	1.987	23.0	19.6	51 E	40*	26*
4 26	5 23.85	+25 9.5	2.500	1.944	21.9	19.6	46 E	35*	24*
5 6	5 47.76	+25 19.8	2.531	1.903	20.7	19.5	42 E	30*	23*
5 16	6 12.82	+25 16.2	2.556	1.865	19.4	19.5	38 E	25*	22*
5 26	6 38.83	+24 56.6	2.577	1.829	18.1	19.4	34 E	20*	20*
6 5	7 5.57	+24 19.7	2.593	1.796	16.7	19.3	31 E	16*	19*
6 15	7 32.86	+23 24.4	2.606	1.768	15.3	19.3	27 E	12*	17*
6 25	8 0.46	+22 10.3	2.617	1.743	13.9	19.2	24 E	9*	15*
7 5	8 28.18	+20 37.6	2.627	1.722	12.5	19.1	21 E	6*	14*
7 15	8 55.86	+18 47.3	2.637	1.705	11.0	19.1	19 E	4*	12*
7 25	9 23.33	+16 40.7	2.646	1.694	9.5	19.0	16 E	2*	9*
8 4	9 50.51	+14 19.8	2.657	1.687	8.0	18.9	13 E	—	7*
8 14	10 17.32	+11 47.0	2.669	1.685	6.5	18.9	11 E	—	5*
8 24	10 43.73	+ 9 5.0	2.682	1.688	4.9	18.8	8 E	—	2*
9 3	11 9.74	+ 6 16.7	2.697	1.696	3.4	18.7	6 E	—	—
9 13	11 35.37	+ 3 24.7	2.713	1.709	1.7	18.6	3 E	—	—
9 23	12 0.63	+ 0 32.1	2.729	1.726	0.3	18.5	1 E	—	—

3688 Navajo *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
10 3	12 25.57	− 2 18.5	2.746	1.748	1.7	18.7	3 W	—	—
10 13	12 50.21	− 5 4.7	2.763	1.774	3.4	18.9	6 W	—	—
10 23	13 14.58	− 7 44.1	2.778	1.803	5.2	19.0	9 W	3*	—
11 2	13 38.70	−10 14.9	2.790	1.836	6.9	19.2	13 W	6*	3*
11 12	14 2.55	−12 35.5	2.800	1.873	8.7	19.3	17 W	8*	6*
11 22	14 26.10	−14 44.5	2.805	1.912	10.5	19.4	21 W	11*	9*
12 2	14 49.33	−16 41.1	2.804	1.953	12.2	19.5	25 W	13*	13*
12 12	15 12.13	−18 24.6	2.797	1.997	13.9	19.6	29 W	15*	18*
12 22	15 34.43	−19 54.9	2.783	2.042	15.6	19.7	34 W	17*	23*
1 1	15 56.10	−21 12.0	2.761	2.089	17.2	19.8	39 W	17*	29*
1 11	16 17.00	−22 16.4	2.731	2.138	18.7	19.9	44 W	18*	35*
1 21	16 36.98	−23 8.8	2.692	2.187	20.0	20.0	50 W	18*	41*

2074 Shoemaker

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	3 4.51	−21 24.1	0.996	1.660	32.7	16.4	114 E	24	85
1 1	3 6.14	−21 10.6	1.038	1.662	33.6	16.5	111 E	24	85
1 6	3 8.66	−20 47.3	1.081	1.664	34.3	16.6	107 E	24	85
1 11	3 12.02	−20 15.9	1.124	1.667	34.9	16.7	104 E	25	84
1 16	3 16.18	−19 37.7	1.167	1.669	35.3	16.8	101 E	25	84
1 21	3 21.06	−18 54.0	1.210	1.672	35.6	16.9	99 E	26	83*
1 26	3 26.63	−18 5.9	1.253	1.675	35.8	17.0	96 E	27	81*
1 31	3 32.81	−17 14.4	1.296	1.678	35.9	17.1	94 E	28	79*
2 5	3 39.55	−16 20.2	1.338	1.681	35.9	17.1	91 E	29	77*
2 10	3 46.83	−15 24.0	1.380	1.685	35.8	17.2	89 E	30	75*
2 15	3 54.60	−14 26.4	1.422	1.688	35.7	17.3	87 E	31	73*
2 20	4 2.82	−13 28.0	1.463	1.692	35.6	17.3	85 E	32*	71*
2 25	4 11.46	−12 29.3	1.503	1.696	35.4	17.4	83 E	32*	69*
3 2	4 20.49	−11 30.8	1.543	1.700	35.2	17.4	81 E	33*	68*
3 7	4 29.87	−10 32.9	1.583	1.704	34.9	17.5	79 E	33*	66*
3 17	4 49.62	− 8 40.4	1.661	1.713	34.3	17.6	76 E	33*	63*
3 27	5 10.54	− 6 54.6	1.738	1.722	33.5	17.7	72 E	32*	61*
4 6	5 32.43	− 5 18.0	1.814	1.731	32.7	17.8	69 E	30*	58*
4 16	5 55.14	− 3 52.4	1.890	1.741	31.8	17.8	66 E	27*	56*
4 26	6 18.52	− 2 39.5	1.965	1.751	30.7	17.9	63 E	24*	54*
5 6	6 42.39	− 1 40.5	2.040	1.762	29.6	18.0	60 E	20*	52*
5 16	7 6.62	− 0 56.0	2.116	1.772	28.4	18.0	57 E	16*	49*
5 26	7 31.06	− 0 26.4	2.191	1.782	27.1	18.1	53 E	12*	47*
6 5	7 55.57	− 0 11.4	2.265	1.793	25.7	18.1	50 E	8*	44*
6 15	8 20.07	− 0 10.4	2.339	1.803	24.3	18.2	47 E	4*	41*
6 25	8 44.44	− 0 22.8	2.412	1.814	22.7	18.2	43 E	—	37*
7 5	9 8.61	− 0 47.2	2.483	1.824	21.0	18.2	40 E	—	34*
7 15	9 32.55	− 1 22.5	2.551	1.834	19.2	18.2	36 E	—	30*
7 25	9 56.22	− 2 7.3	2.615	1.844	17.3	18.2	33 E	—	26*
8 4	10 19.62	− 2 59.9	2.676	1.854	15.4	18.2	29 E	—	22*
8 14	10 42.77	− 3 58.8	2.731	1.863	13.3	18.2	25 E	—	17*
8 24	11 5.67	− 5 2.6	2.779	1.872	11.2	18.2	21 E	—	13*
9 3	11 28.37	− 6 9.5	2.821	1.881	9.1	18.1	17 E	—	9*
9 13	11 50.91	− 7 18.3	2.855	1.889	6.9	18.1	13 E	—	5*
9 23	12 13.33	− 8 27.1	2.881	1.897	4.8	18.0	9 E	—	1*
10 3	12 35.68	− 9 34.6	2.897	1.904	3.0	17.9	6 E	—	—
10 13	12 57.99	−10 39.2	2.904	1.911	2.4	17.9	5 W	—	—
10 23	13 20.30	−11 39.4	2.900	1.917	3.7	18.0	7 W	—	1*
11 2	13 42.65	−12 33.6	2.886	1.923	5.8	18.1	11 W	3*	3*
11 12	14 5.04	−13 20.3	2.861	1.928	8.0	18.2	16 W	7*	6*
11 22	14 27.46	−13 57.9	2.826	1.932	10.3	18.2	21 W	11*	9*
12 2	14 49.91	−14 24.9	2.780	1.936	12.6	18.3	25 W	15*	12*
12 12	15 12.35	−14 39.7	2.725	1.940	14.9	18.3	30 W	18*	16*
12 22	15 34.72	−14 40.8	2.659	1.943	17.0	18.4	35 W	21*	21*
1 1	15 56.95	−14 26.8	2.585	1.945	19.1	18.4	40 W	24*	26*
1 11	16 18.95	−13 56.4	2.503	1.946	21.2	18.4	46 W	26*	32*
1 21	16 40.59	−13 8.3	2.414	1.947	23.0	18.4	51 W	27*	37*

142803 2002 UM_{27}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	3 5.53	+17 35.0	1.998	2.768	14.9	20.8	133 E	63	46
1 6	3 4.04	+17 16.4	2.130	2.789	17.2	21.1	123 E	62	47
1 16	3 5.20	+17 10.4	2.276	2.809	18.8	21.3	113 E	62	47
1 26	3 8.79	+17 15.5	2.430	2.828	19.8	21.5	104 E	62	46*
2 5	3 14.47	+17 29.7	2.588	2.846	20.2	21.6	95 E	62	44*

382492 2001 OQ_{16}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	3 5.95	+12 29.8	1.402	2.185	19.5	20.4	132 E	57	52
1 6	3 6.11	+14 1.6	1.541	2.228	21.9	20.7	122 E	59	50
1 16	3 9.38	+15 32.4	1.692	2.270	23.4	21.0	113 E	61	48
1 26	3 15.34	+17 1.2	1.852	2.312	24.3	21.3	105 E	62	47*
2 5	3 23.54	+18 27.0	2.018	2.354	24.6	21.5	97 E	63	44*

400596 2009 BC_2

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	3 6.40	+37 34.8	2.246	3.029	13.1	20.8	136 E	83	26
1 1	3 4.26	+36 36.1	2.278	3.013	14.3	20.9	131 E	82	27
1 6	3 2.90	+35 39.1	2.315	2.998	15.4	21.0	126 E	81	28
1 11	3 2.32	+34 44.5	2.356	2.982	16.4	21.0	121 E	80	29

400596 2009 BC_2 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
1 16	3 2.50	+33 52.8	2.401	2.966	17.4	21.1	116 E	79	30*
1 21	3 3.40	+33 4.6	2.449	2.950	18.1	21.1	111 E	78	31*
1 26	3 4.99	+32 19.9	2.500	2.934	18.8	21.2	106 E	77	31*
1 31	3 7.21	+31 39.0	2.552	2.917	19.3	21.2	102 E	77	31*
2 5	3 10.02	+31 1.7	2.606	2.901	19.7	21.3	97 E	76	31*
2 10	3 13.39	+30 27.9	2.660	2.884	20.0	21.3	93 E	75	31*
2 15	3 17.28	+29 57.6	2.715	2.867	20.1	21.4	89 E	74*	30*
2 20	3 21.64	+29 30.4	2.769	2.849	20.2	21.4	84 E	72*	29*
2 25	3 26.44	+29 6.1	2.823	2.832	20.2	21.4	80 E	70*	29*
3 2	3 31.65	+28 44.4	2.876	2.814	20.0	21.4	76 E	67*	28*
3 7	3 37.24	+28 24.9	2.928	2.796	19.8	21.5	73 E	63*	27*
3 12	3 43.18	+28 7.5	2.978	2.778	19.5	21.5	69 E	60*	26*
3 17	3 49.45	+27 51.8	3.026	2.760	19.1	21.5	65 E	57*	26*
3 22	3 56.02	+27 37.4	3.072	2.742	18.6	21.5	62 E	53*	25*
3 27	4 2.87	+27 24.1	3.116	2.723	18.1	21.5	58 E	50*	24*
4 1	4 9.98	+27 11.7	3.157	2.704	17.5	21.5	55 E	46*	23*
4 6	4 17.33	+26 59.7	3.195	2.685	16.9	21.5	51 E	43*	22*
4 11	4 24.92	+26 48.0	3.231	2.666	16.2	21.5	48 E	39*	21*
4 16	4 32.71	+26 36.4	3.264	2.647	15.5	21.4	45 E	36*	20*
4 21	4 40.71	+26 24.5	3.293	2.628	14.7	21.4	42 E	32*	19*
4 26	4 48.88	+26 12.1	3.319	2.608	13.9	21.4	39 E	29*	18*
5 1	4 57.23	+25 59.1	3.342	2.589	13.1	21.3	35 E	26*	17*
5 6	5 5.73	+25 45.1	3.362	2.569	12.2	21.3	32 E	22*	16*
5 11	5 14.38	+25 30.1	3.378	2.549	11.3	21.3	30 E	19*	15*
5 16	5 23.17	+25 13.8	3.391	2.529	10.3	21.2	27 E	16*	13*
5 21	5 32.08	+24 56.1	3.401	2.509	9.4	21.2	24 E	13*	12*
5 26	5 41.11	+24 36.8	3.407	2.488	8.4	21.1	21 E	10*	10*
5 31	5 50.24	+24 15.6	3.410	2.468	7.4	21.1	18 E	8*	9*
6 5	5 59.47	+23 52.6	3.409	2.447	6.4	21.0	16 E	5*	7*
6 10	6 8.78	+23 27.5	3.406	2.427	5.4	20.9	13 E	2*	5*
6 15	6 18.18	+23 0.2	3.398	2.406	4.4	20.8	10 E	—	3*
6 20	6 27.64	+22 30.6	3.388	2.385	3.3	20.8	8 E	—	1*
6 25	6 37.16	+21 58.5	3.375	2.365	2.3	20.7	5 E	—	—
6 30	6 46.73	+21 23.9	3.358	2.344	1.4	20.6	3 E	—	—
7 5	6 56.35	+20 46.7	3.339	2.323	0.9	20.5	2 E	—	—
7 15	7 15.71	+19 23.9	3.291	2.281	2.4	20.5	5 W	—	—
7 25	7 35.18	+17 49.4	3.232	2.239	4.6	20.6	10 W	—	4*
8 4	7 54.73	+16 2.7	3.163	2.197	6.7	20.6	15 W	3*	8*
8 14	8 14.34	+14 3.1	3.085	2.155	9.0	20.6	19 W	7*	11*
8 24	8 33.97	+11 50.2	2.998	2.114	11.1	20.6	24 W	11*	15*
9 3	8 53.63	+ 9 23.7	2.905	2.073	13.3	20.6	28 W	15*	18*
9 13	9 13.34	+ 6 43.3	2.807	2.032	15.5	20.5	33 W	19*	21*
9 23	9 33.10	+ 3 48.9	2.703	1.993	17.6	20.5	37 W	22*	25*
10 3	9 52.97	+ 0 40.4	2.597	1.954	19.6	20.4	41 W	25*	28*
10 13	10 12.98	− 2 41.9	2.490	1.917	21.6	20.3	45 W	27*	32*
10 23	10 33.22	− 6 17.6	2.382	1.881	23.4	20.3	49 W	28*	36*
11 2	10 53.76	−10 5.7	2.275	1.847	25.2	20.2	52 W	29*	40*
11 12	11 14.70	−14 5.1	2.171	1.815	26.9	20.1	56 W	28*	44*
11 22	11 36.17	−18 13.6	2.070	1.785	28.5	20.0	60 W	25*	48*
12 2	11 58.32	−22 28.9	1.973	1.757	29.9	19.9	63 W	22*	53*
12 7	12 9.69	−24 38.1	1.927	1.744	30.6	19.9	64 W	20*	56*
12 12	12 21.28	−26 47.6	1.882	1.732	31.3	19.8	66 W	18*	58*
12 17	12 33.12	−28 56.8	1.838	1.721	31.9	19.8	67 W	16	60*
12 22	12 45.23	−31 5.4	1.796	1.711	32.5	19.7	69 W	14	62*
12 27	12 57.63	−33 12.6	1.755	1.701	33.0	19.7	70 W	12	64*
1 1	13 10.33	−35 17.8	1.716	1.692	33.5	19.6	72 W	10	66*
1 6	13 23.34	−37 20.3	1.678	1.684	34.0	19.6	73 W	8	67*
1 11	13 36.68	−39 19.4	1.641	1.677	34.5	19.5	75 W	6	68*
1 16	13 50.35	−41 14.4	1.605	1.671	34.9	19.5	76 W	4	69*
1 21	14 4.35	−43 4.6	1.570	1.666	35.2	19.4	78 W	2	69*

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20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	3 6.87	−58 33.7	0.651	1.166	57.5	21.2	89 E	—	57
1 1	3 0.11	−57 47.4	0.631	1.136	59.8	21.1	87 E	—	58
1 6	2 54.61	−56 46.9	0.607	1.107	62.2	21.1	85 E	—	59
1 11	2 50.28	−55 32.8	0.581	1.078	64.9	21.0	83 E	—	60
1 16	2 46.98	−54 5.1	0.551	1.049	67.8	20.9	81 E	—	62*
1 21	2 44.44	−52 23.0	0.519	1.021	71.1	20.8	79 E	—	63*
1 26	2 42.33	−50 24.4	0.482	0.994	74.8	20.7	77 E	—	63*
1 31	2 40.21	−48 5.3	0.443	0.969	79.0	20.6	75 E	—	63*
2 5	2 37.58	−45 18.4	0.402	0.945	83.8	20.5	72 E	—	63*
2 10	2 33.82	−41 51.6	0.358	0.923	89.5	20.5	69 E	3*	61*
2 15	2 28.12	−37 25.7	0.313	0.903	96.3	20.4	65 E	6*	59*
2 17	2 25.06	−35 16.2	0.295	0.896	99.4	20.4	63 E	8*	57*
2 19	2 21.44	−32 49.4	0.278	0.889	102.8	20.4	61 E	9*	55*
2 21	2 17.17	−30 2.2	0.260	0.883	106.6	20.5	59 E	11*	53*
2 23	2 12.14	−26 50.4	0.244	0.877	110.6	20.6	56 E	13*	50*
2 25	2 6.25	−23 9.7	0.228	0.872	115.0	20.7	53 E	14*	47*
2 27	1 59.39	−18 55.7	0.213	0.867	119.8	20.9	49 E	16*	43*
3 1	1 51.44	−14 4.6	0.200	0.863	124.9	21.1	46 E	18*	38*
3 3	1 42.32	− 8 34.4	0.189	0.859	130.1	21.5	41 E	20*	32*