20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
331548 2000 VO_{47}									
12 27	18 57.91	−20 46.0	3.362	2.393	3.4	20.1	8 E	1*	—
1 6	19 16.99	−19 24.8	3.330	2.350	1.6	19.9	4 E	—	—
1 16	19 36.25	−17 52.4	3.286	2.307	2.0	19.8	5 W	—	—
1 26	19 55.62	−16 8.3	3.229	2.264	4.1	19.9	9 W	2*	1*
2 5	20 15.06	−14 11.8	3.161	2.220	6.3	19.9	14 W	5*	6*
2 15	20 34.55	−12 2.6	3.084	2.177	8.7	19.9	19 W	8*	11*
2 25	20 54.06	− 9 40.3	2.997	2.134	11.0	19.9	24 W	10*	16*
3 7	21 13.59	− 7 4.8	2.904	2.091	13.3	19.9	29 W	13*	21*
3 17	21 33.16	− 4 15.8	2.805	2.049	15.5	19.8	33 W	15*	25*
3 27	21 52.81	− 1 13.5	2.701	2.007	17.7	19.8	38 W	17*	29*
4 6	22 12.60	+ 2 2.0	2.596	1.966	19.8	19.7	42 W	20*	33*
4 16	22 32.60	+ 5 30.3	2.489	1.927	21.9	19.7	46 W	23*	35*
4 26	22 52.91	+ 9 10.5	2.384	1.889	23.8	19.6	49 W	26*	38*
5 6	23 13.66	+13 1.5	2.280	1.852	25.7	19.5	53 W	29*	39*
5 16	23 34.99	+17 1.7	2.181	1.817	27.4	19.4	56 W	32*	39*
5 26	23 57.06	+21 8.7	2.085	1.784	29.0	19.3	59 W	36*	38*
5 31	0 8.44	+23 13.8	2.040	1.769	29.8	19.3	60 W	38*	37*
6 5	0 20.09	+25 19.4	1.995	1.754	30.5	19.2	61 W	40*	36*
6 10	0 32.03	+27 25.0	1.953	1.740	31.2	19.2	63 W	43*	35*
6 15	0 44.29	+29 30.1	1.911	1.727	31.9	19.1	64 W	45*	33*
6 20	0 56.89	+31 33.9	1.872	1.714	32.5	19.1	65 W	48*	32*
6 25	1 9.86	+33 35.9	1.834	1.702	33.1	19.1	66 W	50*	30*
6 30	1 23.25	+35 35.4	1.797	1.691	33.7	19.0	67 W	53*	28*
7 5	1 37.05	+37 31.7	1.761	1.681	34.3	19.0	69 W	55*	26*
7 10	1 51.30	+39 24.1	1.727	1.672	34.8	18.9	70 W	58*	24*
7 15	2 5.99	+41 11.7	1.694	1.663	35.2	18.9	71 W	60*	23*
7 20	2 21.12	+42 53.9	1.663	1.656	35.7	18.9	72 W	63*	21*
7 25	2 36.69	+44 29.8	1.632	1.649	36.1	18.8	73 W	65*	19*
7 30	2 52.68	+45 59.0	1.602	1.644	36.4	18.8	74 W	67*	18*
8 4	3 9.03	+47 20.8	1.573	1.639	36.8	18.7	75 W	69*	17*
8 9	3 25.68	+48 34.6	1.544	1.636	37.0	18.7	76 W	70*	15*
8 14	3 42.53	+49 40.1	1.515	1.633	37.3	18.7	78 W	72*	14*
8 19	3 59.47	+50 36.9	1.487	1.632	37.5	18.6	79 W	73*	13*
8 24	4 16.38	+51 25.0	1.459	1.632	37.7	18.6	80 W	74*	13*
8 29	4 33.14	+52 4.4	1.430	1.632	37.8	18.6	82 W	75*	12*
9 3	4 49.56	+52 35.3	1.402	1.634	37.8	18.5	84 W	77*	11*
9 8	5 5.49	+52 58.0	1.373	1.637	37.8	18.5	85 W	78*	11*
9 13	5 20.76	+53 12.9	1.344	1.641	37.8	18.4	87 W	79*	11*
9 18	5 35.21	+53 20.6	1.314	1.646	37.6	18.4	89 W	80*	11*
9 23	5 48.71	+53 21.6	1.284	1.651	37.4	18.3	92 W	81*	11*
9 28	6 1.10	+53 16.8	1.253	1.658	37.1	18.3	94 W	82*	11*
10 3	6 12.26	+53 6.6	1.222	1.666	36.6	18.2	97 W	82	11*
10 8	6 22.06	+52 51.7	1.191	1.675	36.1	18.2	99 W	82	11*
10 13	6 30.37	+52 32.4	1.159	1.684	35.3	18.1	102 W	82	11*
10 18	6 37.11	+52 9.0	1.127	1.695	34.5	18.0	106 W	83	12
10 23	6 42.20	+51 41.5	1.096	1.706	33.4	18.0	109 W	83	12
10 28	6 45.54	+51 9.9	1.065	1.718	32.1	17.9	113 W	84	13
11 2	6 47.08	+50 33.7	1.035	1.731	30.6	17.8	117 W	84	13
11 7	6 46.77	+49 52.1	1.007	1.745	28.9	17.7	122 W	85	14
11 12	6 44.63	+49 3.9	0.980	1.759	26.9	17.6	127 W	86	15
11 17	6 40.74	+48 7.7	0.957	1.774	24.6	17.5	132 W	87	16
11 22	6 35.26	+47 2.4	0.936	1.790	22.1	17.4	137 W	88	17
11 27	6 28.41	+45 46.6	0.920	1.806	19.4	17.3	143 W	89	18
12 2	6 20.49	+44 19.4	0.909	1.823	16.5	17.2	148 W	89	20
12 7	6 11.89	+42 40.7	0.903	1.840	13.5	17.1	154 W	88	21
12 12	6 3.05	+40 51.3	0.903	1.858	10.6	17.0	160 W	86	23
12 17	5 54.39	+38 53.2	0.911	1.876	8.3	16.9	164 W	84	25
12 22	5 46.27	+36 49.3	0.925	1.895	7.1	16.9	166 E	82	27
12 27	5 38.98	+34 42.7	0.947	1.914	7.5	17.0	165 E	80	29
1 1	5 32.72	+32 37.0	0.976	1.934	9.3	17.2	162 E	78	31
1 6	5 27.61	+30 35.2	1.012	1.953	11.6	17.4	157 E	76	33
1 11	5 23.73	+28 39.8	1.054	1.973	13.9	17.6	151 E	74	35
1 16	5 21.05	+26 52.6	1.103	1.994	16.2	17.8	146 E	72	37
1 21	5 19.50	+25 14.5	1.157	2.014	18.2	18.0	140 E	70	39
7330 Annelemaître									
12 27	18 58.91	− 6 26.1	3.870	2.957	6.2	19.2	19 E	12*	—
1 6	19 14.25	− 6 8.4	3.872	2.942	5.4	19.1	16 E	7*	—
1 16	19 29.68	− 5 41.5	3.858	2.926	5.4	19.1	16 W	9*	—
1 26	19 45.09	− 5 5.8	3.829	2.909	6.0	19.1	18 W	12*	—
2 5	20 0.41	− 4 21.8	3.786	2.892	7.2	19.1	22 W	15*	5*
2 15	20 15.57	− 3 29.8	3.728	2.873	8.7	19.1	26 W	17*	12*
2 25	20 30.49	− 2 30.6	3.656	2.853	10.3	19.2	31 W	20*	18*
3 7	20 45.12	− 1 24.7	3.571	2.833	12.0	19.1	36 W	22*	25*
3 17	20 59.40	− 0 12.9	3.474	2.812	13.6	19.1	42 W	24*	31*
3 27	21 13.24	+ 1 4.0	3.366	2.789	15.3	19.1	47 W	26*	36*
4 6	21 26.59	+ 2 25.1	3.247	2.766	16.8	19.1	53 W	28*	42*
4 16	21 39.38	+ 3 49.5	3.120	2.742	18.3	19.0	59 W	30*	47*
4 26	21 51.51	+ 5 16.1	2.985	2.717	19.6	18.9	65 W	33*	51*
5 6	22 2.91	+ 6 43.7	2.844	2.692	20.8	18.8	71 W	36*	54*
5 16	22 13.43	+ 8 11.1	2.697	2.665	21.7	18.7	77 W	39*	55*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
7330 Annelemaître *(continuation)*									
5 26	22 22.94	+ 9 36.6	2.548	2.638	22.4	18.6	84 W	43*	54
6 5	22 31.29	+10 58.5	2.396	2.610	22.9	18.5	90 W	47*	53
6 15	22 38.23	+12 14.4	2.245	2.581	23.0	18.3	97 W	52*	52
6 25	22 43.55	+13 21.6	2.096	2.551	22.7	18.1	105 W	56*	51
7 5	22 46.99	+14 16.5	1.951	2.521	21.9	17.9	112 W	59*	50
7 15	22 48.26	+14 54.7	1.814	2.490	20.6	17.7	121 W	60	49
7 20	22 48.01	+15 5.8	1.749	2.474	19.7	17.6	125 W	60	49
7 25	22 47.15	+15 10.7	1.687	2.458	18.7	17.4	129 W	60	49
7 30	22 45.67	+15 8.7	1.628	2.442	17.5	17.3	134 W	60	49
8 4	22 43.58	+14 59.0	1.573	2.426	16.2	17.2	138 W	60	49
8 14	22 37.67	+14 13.7	1.477	2.393	13.2	16.9	147 W	59	50
8 24	22 29.92	+12 51.3	1.402	2.359	10.2	16.7	156 W	58	51
9 3	22 21.20	+10 52.8	1.351	2.326	8.4	16.5	160 E	56	53
9 8	22 16.81	+ 9 41.7	1.335	2.308	8.5	16.4	160 E	55	54
9 13	22 12.63	+ 8 24.5	1.325	2.291	9.3	16.4	158 E	53	56
9 18	22 8.79	+ 7 2.9	1.323	2.274	10.7	16.5	155 E	52	57
9 23	22 5.44	+ 5 38.7	1.326	2.257	12.5	16.5	151 E	51	58
9 28	22 2.68	+ 4 13.7	1.336	2.239	14.4	16.6	146 E	49	60
10 3	22 0.61	+ 2 49.7	1.351	2.222	16.4	16.7	141 E	48	61
10 8	21 59.30	+ 1 28.4	1.371	2.204	18.3	16.7	136 E	46	63
10 13	21 58.80	+ 0 11.1	1.396	2.186	20.1	16.8	131 E	45	64
10 18	21 59.12	− 1 1.2	1.425	2.169	21.7	16.9	126 E	44	65
10 23	22 0.26	− 2 7.5	1.458	2.151	23.3	17.0	121 E	43	66
11 2	22 4.90	− 4 0.9	1.532	2.116	25.7	17.1	112 E	41	68
11 12	22 12.51	− 5 27.2	1.613	2.080	27.6	17.3	104 E	40	69*
11 22	22 22.74	− 6 26.6	1.699	2.045	28.7	17.4	96 E	39	69*
12 2	22 35.23	− 7 1.1	1.786	2.011	29.3	17.5	88 E	38	64*
12 12	22 49.66	− 7 12.7	1.872	1.977	29.5	17.5	81 E	38	59*
12 22	23 5.73	− 7 3.8	1.954	1.943	29.2	17.6	75 E	38	53*
1 1	23 23.18	− 6 37.1	2.033	1.910	28.7	17.6	69 E	38*	47*
1 11	23 41.86	− 5 54.6	2.106	1.879	27.8	17.6	63 E	38*	42*
1 21	0 1.57	− 4 59.0	2.172	1.848	26.8	17.6	58 E	37*	38*
72569 2001 EC_{13}									
12 27	18 59.22	−32 59.7	3.211	2.260	5.4	18.9	12 E	—	6*
1 6	19 23.16	−32 58.4	3.183	2.226	4.8	18.9	11 E	—	2*
1 16	19 47.70	−32 44.8	3.145	2.191	5.3	18.8	12 W	—	1*
1 26	20 12.70	−32 18.6	3.097	2.157	6.5	18.8	14 W	—	5*
2 5	20 38.04	−31 39.7	3.040	2.122	8.1	18.8	18 W	—	9*
2 15	21 3.64	−30 48.1	2.975	2.087	10.0	18.8	21 W	—	12*
2 25	21 29.38	−29 44.3	2.904	2.053	11.9	18.8	25 W	—	16*
3 7	21 55.19	−28 28.7	2.827	2.018	13.8	18.8	29 W	—	20*
3 17	22 21.01	−27 2.1	2.747	1.985	15.7	18.7	33 W	—	23*
3 27	22 46.77	−25 25.5	2.663	1.952	17.6	18.7	36 W	—	27*
4 6	23 12.44	−23 40.0	2.578	1.919	19.5	18.7	40 W	—	30*
4 16	23 38.00	−21 47.0	2.493	1.888	21.3	18.6	43 W	—	33*
4 26	0 3.42	−19 47.8	2.407	1.857	23.0	18.5	46 W	—	37*
5 6	0 28.68	−17 44.0	2.323	1.828	24.6	18.5	49 W	—	41*
5 16	0 53.78	−15 37.3	2.239	1.801	26.2	18.4	52 W	—	44*
5 26	1 18.67	−13 29.3	2.158	1.775	27.7	18.4	55 W	—	48*
6 5	1 43.33	−11 21.5	2.078	1.751	29.2	18.3	57 W	—	51*
6 15	2 7.73	− 9 15.7	2.001	1.730	30.5	18.2	60 W	4*	54*
6 25	2 31.79	− 7 13.2	1.924	1.710	31.8	18.1	62 W	8*	56*
7 5	2 55.47	− 5 15.0	1.849	1.694	33.0	18.1	65 W	13*	58*
7 15	3 18.67	− 3 22.0	1.774	1.680	34.1	18.0	68 W	19*	59*
7 25	3 41.27	− 1 34.5	1.700	1.669	35.1	17.9	71 W	25*	60*
8 4	4 3.18	+ 0 7.6	1.624	1.661	36.0	17.8	74 W	30*	60*
8 14	4 24.22	+ 1 44.9	1.548	1.656	36.7	17.7	77 W	36*	60*
8 24	4 44.21	+ 3 19.0	1.471	1.654	37.2	17.6	81 W	41*	59*
9 3	5 2.95	+ 4 51.9	1.392	1.655	37.4	17.5	86 W	46*	58*
9 13	5 20.13	+ 6 26.6	1.312	1.660	37.3	17.4	90 W	50*	57*
9 23	5 35.43	+ 8 7.4	1.231	1.668	36.8	17.3	96 W	53*	56*
10 3	5 48.43	+ 9 59.1	1.151	1.678	35.6	17.1	102 W	55	54
10 8	5 53.89	+11 0.9	1.112	1.685	34.8	17.0	106 W	56	53
10 13	5 58.56	+12 7.9	1.073	1.692	33.8	16.9	110 W	57	52
10 18	6 2.35	+13 20.8	1.035	1.700	32.5	16.8	114 W	58	51
10 23	6 5.19	+14 40.5	0.999	1.708	31.0	16.7	118 W	60	49
11 2	6 7.60	+17 42.5	0.934	1.727	27.1	16.5	127 W	63	46
11 12	6 5.05	+21 15.5	0.881	1.749	22.1	16.2	138 W	66	43
11 22	5 57.21	+25 13.5	0.846	1.772	16.1	16.0	150 W	70	39
11 27	5 51.38	+27 16.9	0.837	1.785	12.9	15.8	156 W	72	37
12 2	5 44.44	+29 19.2	0.834	1.798	9.7	15.7	162 W	74	35
12 7	5 36.64	+31 17.0	0.837	1.811	7.0	15.6	167 W	76	33
12 12	5 28.30	+33 7.3	0.848	1.825	5.6	15.6	170 W	78	31
12 17	5 19.82	+34 47.5	0.865	1.839	6.4	15.7	168 E	80	29
12 22	5 11.57	+36 16.0	0.890	1.854	8.7	15.9	163 E	81	28
12 27	5 3.93	+37 32.2	0.920	1.869	11.4	16.1	158 E	83	26

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
72569 2001 EC_{13} *(continuation)*									
1 1	4 57.20	+38 36.4	0.957	1.884	14.0	16.3	152 E	84	25
1 6	4 51.64	+39 29.8	0.999	1.899	16.5	16.5	147 E	84	25
1 11	4 47.42	+40 13.7	1.046	1.915	18.7	16.7	141 E	85	24
1 16	4 44.60	+40 49.7	1.097	1.931	20.6	16.8	136 E	86	23
1 21	4 43.17	+41 19.3	1.152	1.948	22.3	17.0	131 E	86	23
20691 1999 VY_{72}									
12 27	18 59.40	−21 52.2	2.968	2.000	4.1	17.6	8 E	1*	—
1 6	19 23.90	−22 6.6	2.944	1.964	1.9	17.4	4 E	—	—
1 16	19 49.06	−22 6.8	2.913	1.930	0.6	17.3	1 W	—	—
1 26	20 14.77	−21 52.7	2.874	1.896	2.8	17.4	5 W	—	—
2 5	20 40.95	−21 24.4	2.828	1.863	5.0	17.4	10 W	—	3*
2 15	21 7.53	−20 42.3	2.776	1.831	7.3	17.5	14 W	—	7*
2 25	21 34.42	−19 46.9	2.720	1.801	9.5	17.5	18 W	—	11*
3 7	22 1.56	−18 39.2	2.660	1.772	11.7	17.5	21 W	—	15*
3 17	22 28.90	−17 20.3	2.598	1.746	13.8	17.5	25 W	—	18*
3 27	22 56.40	−15 51.7	2.535	1.721	15.9	17.5	28 W	—	21*
4 6	23 24.02	−14 15.0	2.472	1.699	17.8	17.4	31 W	—	24*
4 16	23 51.74	−12 32.0	2.410	1.680	19.7	17.4	34 W	—	27*
4 26	0 19.51	−10 45.0	2.349	1.663	21.5	17.4	37 W	—	30*
5 6	0 47.29	− 8 56.2	2.292	1.650	23.1	17.4	40 W	—	33*
5 16	1 15.06	− 7 7.9	2.236	1.640	24.6	17.4	42 W	—	36*
5 26	1 42.71	− 5 22.6	2.184	1.633	26.0	17.3	45 W	—	39*
6 5	2 10.19	− 3 42.7	2.135	1.629	27.3	17.3	47 W	1*	41*
6 15	2 37.39	− 2 10.2	2.089	1.629	28.4	17.3	50 W	4*	44*
6 25	3 4.18	− 0 47.2	2.044	1.632	29.5	17.3	52 W	7*	46*
7 5	3 30.45	+ 0 25.1	2.001	1.639	30.4	17.3	55 W	11*	48*
7 15	3 56.05	+ 1 25.6	1.958	1.649	31.3	17.3	57 W	16*	49*
7 25	4 20.80	+ 2 13.8	1.914	1.663	32.0	17.3	60 W	21*	51*
8 4	4 44.56	+ 2 49.9	1.869	1.679	32.7	17.3	63 W	26*	52*
8 14	5 7.15	+ 3 14.4	1.822	1.698	33.2	17.2	67 W	31*	53*
8 24	5 28.38	+ 3 28.4	1.771	1.720	33.6	17.2	70 W	36*	54*
9 3	5 48.08	+ 3 33.6	1.716	1.744	33.9	17.2	75 W	40*	56*
9 13	6 6.02	+ 3 32.0	1.657	1.771	33.9	17.1	79 W	44*	57*
9 23	6 21.96	+ 3 26.1	1.594	1.799	33.7	17.1	84 W	47*	58*
10 3	6 35.64	+ 3 19.2	1.527	1.829	33.2	17.0	90 W	48*	60*
10 13	6 46.71	+ 3 14.8	1.457	1.861	32.2	16.9	97 W	48	60*
10 23	6 54.81	+ 3 17.6	1.387	1.893	30.6	16.8	104 W	48	61
11 2	6 59.55	+ 3 32.6	1.317	1.927	28.4	16.7	112 W	49	60
11 7	7 0.53	+ 3 46.4	1.284	1.945	27.0	16.6	117 W	49	60
11 12	7 0.54	+ 4 5.4	1.253	1.962	25.4	16.5	122 W	49	60
11 17	6 59.55	+ 4 30.3	1.223	1.980	23.6	16.4	127 W	50	59
11 22	6 57.56	+ 5 1.6	1.197	1.997	21.6	16.3	132 W	50	59
12 2	6 50.69	+ 6 24.8	1.156	2.033	16.9	16.2	143 W	51	58
12 12	6 40.48	+ 8 15.3	1.135	2.070	11.6	16.0	155 W	53	56
12 22	6 28.20	+10 27.9	1.140	2.106	6.8	15.8	165 W	55	54
12 27	6 21.78	+11 39.5	1.152	2.124	5.4	15.8	168 E	57	52
1 1	6 15.48	+12 52.7	1.172	2.143	5.6	15.9	168 E	58	51
1 6	6 9.53	+14 6.1	1.199	2.161	7.2	16.0	164 E	59	50
1 11	6 4.11	+15 18.3	1.233	2.179	9.3	16.2	159 E	60	49
1 16	5 59.40	+16 28.4	1.273	2.198	11.5	16.3	153 E	61	48
1 21	5 55.49	+17 35.5	1.320	2.216	13.7	16.5	148 E	63	46
338523 2003 QR_{89}									
12 27	18 59.75	−27 3.8	2.632	1.668	5.3	19.8	9 E	—	3*
1 6	19 30.01	−25 14.3	2.670	1.695	3.4	19.8	6 E	—	—
1 16	19 58.72	−23 7.6	2.707	1.725	1.6	19.8	3 E	—	—
1 26	20 25.84	−20 47.2	2.741	1.758	1.5	19.8	3 W	—	—
2 5	20 51.40	−18 16.3	2.771	1.794	3.2	20.0	6 W	—	—
2 15	21 15.52	−15 37.7	2.798	1.832	5.2	20.2	10 W	—	4*
2 25	21 38.26	−12 54.0	2.818	1.872	7.2	20.3	14 W	1*	8*
3 7	21 59.75	−10 7.3	2.833	1.913	9.2	20.5	18 W	3*	12*
3 17	22 20.07	− 7 19.1	2.840	1.957	11.1	20.6	22 W	5*	16*
3 27	22 39.31	− 4 31.2	2.840	2.001	13.0	20.7	27 W	7*	20*
4 6	22 57.53	− 1 44.5	2.832	2.046	14.8	20.8	31 W	10*	25*
4 16	23 14.80	+ 1 0.0	2.815	2.092	16.5	20.9	36 W	12*	29*
4 26	23 31.13	+ 3 41.5	2.789	2.139	18.1	21.0	41 W	15*	34*
5 6	23 46.53	+ 6 19.4	2.755	2.185	19.5	21.1	46 W	18*	38*
5 16	0 0.97	+ 8 53.4	2.712	2.232	20.8	21.1	52 W	22*	41*
5 26	0 14.40	+11 22.8	2.661	2.279	22.0	21.2	57 W	26*	44*
6 5	0 26.74	+13 47.5	2.602	2.326	22.9	21.2	63 W	32*	46*
6 15	0 37.87	+16 7.2	2.536	2.373	23.6	21.2	69 W	38*	46*
6 25	0 47.60	+18 21.3	2.463	2.419	24.0	21.2	76 W	44*	46*
7 5	0 55.75	+20 29.4	2.386	2.465	24.1	21.2	82 W	52*	44
7 15	1 2.05	+22 30.7	2.306	2.511	23.9	21.1	89 W	60*	41
7 25	1 6.23	+24 23.7	2.225	2.556	23.2	21.1	97 W	67*	40
8 4	1 8.00	+26 6.7	2.146	2.600	22.1	21.0	105 W	71*	38
8 14	1 7.07	+27 36.7	2.072	2.644	20.6	20.9	113 W	73	36
8 24	1 3.32	+28 49.9	2.008	2.688	18.5	20.8	122 W	74	35
9 3	0 56.80	+29 42.0	1.956	2.730	16.1	20.7	131 W	75	34
9 13	0 47.88	+30 8.4	1.921	2.772	13.4	20.6	140 W	75	34
9 23	0 37.33	+30 6.4	1.908	2.813	10.7	20.5	149 W	75	34
10 3	0 26.19	+29 36.3	1.920	2.854	8.8	20.5	154 E	75	34
10 8	0 20.77	+29 11.8	1.935	2.874	8.4	20.5	155 E	74	35
10 13	0 15.64	+28 42.1	1.958	2.893	8.4	20.5	155 E	74	35
10 18	0 10.92	+28 8.3	1.987	2.913	8.8	20.6	154 E	73	36
10 23	0 6.71	+27 31.6	2.023	2.932	9.5	20.7	151 E	73	36
10 28	0 3.08	+26 53.0	2.065	2.951	10.4	20.8	147 E	72	37
11 2	0 0.09	+26 13.7	2.113	2.970	11.4	20.9	144 E	71	38
11 7	23 57.77	+25 34.7	2.167	2.989	12.5	21.0	139 E	71	38
11 12	23 56.12	+24 57.0	2.226	3.008	13.5	21.1	135 E	70	39
11 17	23 55.15	+24 21.4	2.290	3.026	14.4	21.2	130 E	69	40
11 22	23 54.83	+23 48.5	2.359	3.044	15.3	21.3	126 E	69	40
11 27	23 55.13	+23 18.7	2.431	3.062	16.0	21.4	121 E	68	41
12198 1980 PJ_1									
12 27	18 59.89	−22 13.9	3.278	2.310	3.6	19.3	8 E	—	1*
1 6	19 20.70	−21 30.3	3.266	2.285	1.4	19.2	3 E	—	—
1 16	19 41.64	−20 35.9	3.242	2.259	1.0	19.1	2 W	—	—
1 26	20 2.60	−19 30.7	3.206	2.233	3.2	19.2	7 W	—	1*
2 5	20 23.54	−18 14.9	3.159	2.205	5.5	19.3	12 W	1*	6*
2 15	20 44.40	−16 48.9	3.101	2.178	7.7	19.3	17 W	3*	11*
2 25	21 5.15	−15 13.2	3.034	2.150	10.0	19.3	22 W	4*	16*
3 7	21 25.76	−13 28.3	2.959	2.121	12.2	19.3	27 W	6*	21*
3 17	21 46.23	−11 35.0	2.875	2.093	14.4	19.3	32 W	7*	25*
3 27	22 6.55	− 9 34.0	2.785	2.064	16.5	19.3	36 W	9*	30*
4 6	22 26.76	− 7 26.1	2.689	2.035	18.6	19.2	40 W	11*	34*
4 16	22 46.88	− 5 12.2	2.588	2.005	20.7	19.2	45 W	12*	38*
4 26	23 6.92	− 2 53.2	2.483	1.976	22.6	19.1	49 W	14*	42*
5 6	23 26.95	− 0 30.1	2.375	1.947	24.5	19.1	53 W	17*	46*
5 16	23 47.00	+ 1 56.2	2.265	1.919	26.3	19.0	57 W	19*	49*
5 26	0 7.11	+ 4 24.3	2.154	1.890	28.1	18.9	61 W	23*	51*
6 5	0 27.32	+ 6 53.3	2.042	1.863	29.7	18.8	65 W	27*	52*
6 15	0 47.67	+ 9 21.8	1.930	1.836	31.2	18.7	69 W	31*	52*
6 25	1 8.16	+11 48.3	1.819	1.810	32.5	18.6	73 W	36*	51*
7 5	1 28.80	+14 11.7	1.710	1.785	33.7	18.4	77 W	42*	50*
7 15	1 49.56	+16 30.1	1.602	1.761	34.8	18.3	81 W	48*	47
7 25	2 10.34	+18 42.0	1.497	1.739	35.6	18.1	85 W	54*	45
8 4	2 31.06	+20 46.0	1.395	1.718	36.2	18.0	90 W	60*	43
8 14	2 51.47	+22 40.2	1.295	1.699	36.5	17.8	94 W	65*	41
8 19	3 1.48	+23 33.2	1.247	1.690	36.5	17.7	96 W	67*	40
8 24	3 11.30	+24 23.2	1.200	1.682	36.5	17.6	99 W	69*	40
8 29	3 20.88	+25 10.2	1.153	1.674	36.3	17.5	101 W	70*	39
9 3	3 30.16	+25 54.0	1.108	1.667	36.0	17.4	104 W	71	38
9 8	3 39.05	+26 34.3	1.064	1.660	35.6	17.3	106 W	72	37
9 13	3 47.49	+27 11.2	1.021	1.654	35.0	17.2	109 W	72	37
9 18	3 55.39	+27 44.5	0.980	1.648	34.3	17.1	112 W	73	36
9 23	4 2.67	+28 14.1	0.940	1.643	33.5	16.9	115 W	73	36
9 28	4 9.22	+28 40.0	0.901	1.639	32.4	16.8	119 W	74	35
10 3	4 14.93	+29 1.9	0.864	1.635	31.1	16.7	122 W	74	35
10 8	4 19.69	+29 19.7	0.830	1.633	29.6	16.5	126 W	74	35
10 13	4 23.41	+29 33.1	0.797	1.630	27.9	16.4	130 W	75	34
10 18	4 26.00	+29 41.9	0.767	1.629	25.9	16.3	134 W	75	34
10 23	4 27.42	+29 45.6	0.740	1.628	23.6	16.1	139 W	75	34
11 2	4 26.61	+29 36.3	0.695	1.628	18.3	15.8	149 W	75	34
11 12	4 21.33	+29 2.0	0.665	1.630	12.1	15.5	160 W	74	35
11 22	4 13.05	+28 2.7	0.653	1.636	5.8	15.2	170 W	73	36
11 27	4 8.48	+27 25.3	0.655	1.639	3.8	15.1	174 E	72	37
12 2	4 4.02	+26 44.3	0.662	1.644	4.8	15.2	172 E	72	37
12 7	3 59.99	+26 1.5	0.673	1.649	7.6	15.4	167 E	71	38
12 12	3 56.65	+25 18.7	0.690	1.654	10.7	15.6	162 E	70	39
12 17	3 54.20	+24 37.5	0.711	1.660	13.8	15.8	156 E	70	39
12 22	3 52.77	+23 59.4	0.737	1.667	16.7	15.9	151 E	69	40
12 27	3 52.39	+23 25.2	0.767	1.674	19.3	16.1	146 E	68	41
1 1	3 53.10	+22 55.7	0.802	1.682	21.7	16.3	141 E	68	41
1 6	3 54.88	+22 31.1	0.839	1.690	23.9	16.5	136 E	68	41
1 11	3 57.69	+22 11.4	0.880	1.699	25.7	16.6	131 E	67	42
1 16	4 1.44	+21 56.3	0.924	1.709	27.3	16.8	127 E	67	42
1 21	4 6.07	+21 45.4	0.970	1.718	28.7	17.0	123 E	67	42
285944 2001 RZ_{11}									
12 27	18 59.97	−43 14.5	1.992	1.134	18.4	19.2	21 E	—	10*
1 1	19 23.46	−40 43.2	1.996	1.117	17.0	19.1	19 E	—	10*
1 6	19 45.10	−37 57.5	2.003	1.104	15.4	19.1	17 E	—	9*
1 11	20 5.02	−35 0.4	2.011	1.094	13.7	19.0	15 E	—	7*
1 16	20 23.39	−31 54.6	2.021	1.086	11.8	18.9	13 E	—	6*
1 21	20 40.40	−28 42.1	2.032	1.082	9.8	18.9	11 E	—	4*
1 26	20 56.22	−25 25.1	2.045	1.081	7.7	18.8	8 E	—	2*
1 31	21 11.03	−22 4.8	2.057	1.083	5.6	18.7	6 E	—	—

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
285944 2001 RZ_{11} *(continuation)*									
2 5	21 25.00	−18 42.5	2.070	1.088	3.4	18.6	4 E	—	—
2 10	21 38.26	−15 19.2	2.083	1.096	1.2	18.5	1 E	—	—
2 15	21 50.96	−11 55.5	2.095	1.108	1.0	18.5	1 W	—	—
2 25	22 15.06	− 5 9.5	2.119	1.139	5.1	18.8	6 W	—	—
3 7	22 38.06	+ 1 32.2	2.141	1.179	8.8	19.1	11 W	4*	—
3 17	23 0.56	+ 8 7.3	2.163	1.228	12.1	19.3	15 W	9*	—
3 27	23 23.03	+14 33.7	2.184	1.284	14.7	19.6	19 W	13*	2*
4 6	23 45.90	+20 49.1	2.207	1.344	16.9	19.8	23 W	17*	3*
4 16	0 9.57	+26 51.1	2.232	1.407	18.5	19.9	26 W	20*	4*
4 26	0 34.38	+32 36.6	2.261	1.473	19.8	20.1	30 W	24*	5*
5 1	0 47.35	+35 22.1	2.276	1.507	20.2	20.2	31 W	25*	4*
5 6	1 0.75	+38 2.2	2.292	1.541	20.6	20.3	33 W	26*	4*
5 11	1 14.63	+40 36.6	2.309	1.575	20.9	20.3	34 W	28*	4*
5 16	1 29.04	+43 4.7	2.327	1.609	21.2	20.4	35 W	29*	3*
5 21	1 44.03	+45 26.0	2.345	1.643	21.4	20.5	36 W	30*	3*
5 26	1 59.64	+47 40.2	2.364	1.677	21.5	20.5	37 W	31*	2*
5 31	2 15.91	+49 46.7	2.383	1.711	21.7	20.6	39 W	33*	1*
6 5	2 32.87	+51 45.1	2.403	1.745	21.7	20.7	40 W	34*	—
6 10	2 50.55	+53 35.2	2.423	1.779	21.8	20.7	41 W	35*	—
6 15	3 8.93	+55 16.5	2.442	1.812	21.8	20.8	42 W	35*	—
6 20	3 28.00	+56 48.7	2.462	1.846	21.9	20.8	43 W	36*	—
6 25	3 47.72	+58 11.5	2.481	1.879	21.9	20.9	44 W	37*	—
6 30	4 8.03	+59 24.9	2.499	1.912	21.9	21.0	45 W	38*	—
7 5	4 28.83	+60 28.7	2.517	1.944	21.9	21.0	45 W	39*	—
7 10	4 49.99	+61 23.2	2.533	1.976	21.9	21.1	47 W	39*	—
7 15	5 11.36	+62 8.6	2.549	2.008	21.9	21.1	48 W	40*	—
7 20	5 32.78	+62 45.2	2.563	2.040	22.0	21.2	49 W	40*	—
7 25	5 54.08	+63 13.6	2.576	2.071	22.0	21.2	50 W	41*	—
7 30	6 15.10	+63 34.4	2.587	2.102	22.0	21.2	51 W	42*	—
8 4	6 35.69	+63 48.4	2.596	2.132	22.1	21.3	52 W	42*	—
8 9	6 55.70	+63 56.4	2.604	2.162	22.2	21.3	54 W	43*	—
8 14	7 15.04	+63 59.5	2.609	2.192	22.3	21.4	55 W	44*	—
8 19	7 33.60	+63 58.5	2.612	2.221	22.3	21.4	57 W	45*	—
8 24	7 51.35	+63 54.3	2.613	2.250	22.4	21.4	58 W	46*	—
8 29	8 8.25	+63 47.8	2.612	2.278	22.5	21.5	60 W	46*	—
9 3	8 24.30	+63 40.0	2.609	2.306	22.6	21.5	62 W	48*	—
152563 1992 BF									
12 27	19 0.01	−23 42.2	1.619	0.662	12.5	20.7	8 E	—	1*
1 1	19 30.63	−22 16.7	1.609	0.666	15.5	20.8	10 E	1*	3*
1 6	20 0.44	−20 29.9	1.600	0.674	18.3	20.9	12 E	4*	4*
1 11	20 29.27	−18 25.0	1.594	0.687	20.9	21.0	14 E	6*	5*
1 16	20 57.05	−16 5.8	1.589	0.703	23.3	21.1	16 E	8*	6*
1 21	21 23.74	−13 35.7	1.587	0.722	25.2	21.3	18 E	10*	6*
1 26	21 49.38	−10 58.4	1.588	0.743	26.9	21.4	20 E	12*	7*
1 31	22 14.04	− 8 17.0	1.592	0.766	28.2	21.5	22 E	14*	7*
48450 1991 NA									
12 27	19 0.28	−21 12.1	2.615	1.650	5.2	19.1	9 E	1*	—
1 6	19 29.80	−19 39.5	2.608	1.633	3.6	19.0	6 E	—	—
1 16	19 59.08	−17 46.7	2.599	1.619	2.3	18.9	4 E	—	—
1 26	20 27.96	−15 35.3	2.590	1.608	2.1	18.8	3 W	—	—
2 5	20 56.35	−13 7.2	2.581	1.602	3.2	18.9	5 W	—	—
2 15	21 24.20	−10 25.1	2.572	1.599	4.7	19.0	8 W	1*	—
2 25	21 51.46	− 7 31.6	2.564	1.599	6.3	19.1	10 W	2*	2*
3 7	22 18.17	− 4 30.0	2.556	1.604	7.9	19.1	13 W	4*	5*
3 17	22 44.35	− 1 23.1	2.549	1.612	9.5	19.2	16 W	5*	8*
3 27	23 10.05	+ 1 46.0	2.542	1.624	11.1	19.3	18 W	6*	11*
4 6	23 35.34	+ 4 54.3	2.535	1.640	12.6	19.3	21 W	8*	13*
4 16	0 0.27	+ 7 59.4	2.527	1.659	14.1	19.4	24 W	9*	16*
4 26	0 24.89	+10 58.6	2.518	1.680	15.6	19.5	27 W	11*	18*
5 6	0 49.25	+13 50.0	2.507	1.705	17.0	19.6	30 W	12*	21*
5 16	1 13.36	+16 31.7	2.493	1.732	18.4	19.6	33 W	15*	23*
5 26	1 37.22	+19 2.1	2.476	1.761	19.8	19.7	36 W	17*	25*
6 5	2 0.80	+21 20.1	2.454	1.792	21.1	19.8	40 W	20*	27*
6 15	2 24.07	+23 24.9	2.428	1.825	22.4	19.8	43 W	24*	28*
6 25	2 46.91	+25 16.0	2.396	1.860	23.6	19.9	47 W	28*	30*
7 5	3 9.22	+26 53.2	2.358	1.895	24.7	19.9	51 W	33*	30*
7 15	3 30.86	+28 16.6	2.314	1.932	25.7	19.9	56 W	39*	31*
7 25	3 51.61	+29 26.8	2.263	1.969	26.6	19.9	60 W	45*	31*
8 4	4 11.30	+30 24.5	2.205	2.007	27.4	20.0	65 W	51*	31*
8 14	4 29.65	+31 10.8	2.140	2.046	27.9	19.9	71 W	57*	31*
8 24	4 46.37	+31 47.0	2.070	2.085	28.2	19.9	77 W	64*	31*
9 3	5 1.17	+32 14.4	1.994	2.124	28.1	19.9	83 W	70*	31*
9 13	5 13.66	+32 34.4	1.914	2.162	27.7	19.8	90 W	75*	31*
9 23	5 23.45	+32 48.2	1.831	2.201	26.9	19.7	98 W	78	31
10 3	5 30.12	+32 56.6	1.749	2.240	25.5	19.6	106 W	78	31
10 13	5 33.23	+32 59.6	1.671	2.278	23.4	19.5	115 W	78	31
10 23	5 32.47	+32 56.1	1.599	2.316	20.7	19.4	125 W	78	31
11 2	5 27.73	+32 43.6	1.540	2.353	17.2	19.2	136 W	78	31

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
48450 1991 NA *(continuation)*									
11 7	5 23.92	+32 32.9	1.517	2.372	15.2	19.1	141 W	78	31
11 12	5 19.26	+32 18.7	1.498	2.390	13.0	19.0	147 W	77	32
11 17	5 13.88	+32 0.7	1.485	2.409	10.7	18.9	153 W	77	32
11 22	5 7.93	+31 38.6	1.479	2.427	8.4	18.9	159 W	77	32
11 27	5 1.60	+31 12.4	1.479	2.445	6.1	18.8	165 W	76	33
12 2	4 55.10	+30 42.6	1.486	2.462	4.1	18.7	170 W	76	33
12 7	4 48.64	+30 9.4	1.500	2.480	3.0	18.7	172 E	75	34
12 12	4 42.44	+29 33.8	1.522	2.497	3.9	18.8	170 E	75	34
12 17	4 36.68	+28 56.7	1.551	2.515	5.8	18.9	165 E	74	35
12 22	4 31.51	+28 19.0	1.587	2.532	7.8	19.1	160 E	73	36
12 27	4 27.04	+27 41.7	1.630	2.549	9.9	19.2	154 E	73	36
1 1	4 23.34	+27 5.7	1.679	2.565	11.8	19.4	148 E	72	37
1 6	4 20.47	+26 31.6	1.734	2.582	13.5	19.5	142 E	72	37
1 11	4 18.44	+26 0.0	1.794	2.598	15.1	19.7	137 E	71	38
1 16	4 17.25	+25 31.4	1.859	2.614	16.4	19.8	131 E	71	38
1 21	4 16.85	+25 5.7	1.928	2.630	17.6	19.9	126 E	70	39
455157 1997 YM_3									
12 27	19 0.40	−23 12.8	2.824	1.856	4.5	21.1	8 E	—	1*
1 6	19 26.65	−22 15.7	2.753	1.774	2.4	20.8	4 E	—	—
1 16	19 54.10	−20 58.3	2.675	1.692	0.4	20.5	1 E	—	—
1 26	20 22.70	−19 18.4	2.593	1.611	1.6	20.4	3 W	—	—
2 5	20 52.41	−17 14.4	2.510	1.531	3.5	20.4	5 W	—	—
2 15	21 23.19	−14 45.0	2.428	1.455	5.2	20.3	8 W	—	2*
2 25	21 55.01	−11 50.0	2.349	1.383	6.8	20.2	10 W	—	3*
3 7	22 27.88	− 8 30.6	2.277	1.316	8.2	20.1	11 W	—	5*
3 17	23 1.81	− 4 49.4	2.214	1.256	9.2	19.9	12 W	—	5*
3 22	23 19.18	− 2 52.1	2.187	1.230	9.6	19.9	12 W	—	6*
3 27	23 36.82	− 0 51.4	2.164	1.206	9.9	19.8	12 W	—	6*
4 1	23 54.74	+ 1 11.9	2.143	1.185	10.1	19.8	12 W	—	6*
4 6	0 12.93	+ 3 16.5	2.127	1.167	10.3	19.7	12 W	—	6*
4 11	0 31.40	+ 5 21.4	2.114	1.152	10.3	19.7	12 W	—	6*
4 16	0 50.13	+ 7 25.3	2.105	1.140	10.3	19.7	12 W	—	5*
4 21	1 9.11	+ 9 26.8	2.100	1.133	10.2	19.6	11 W	—	5*
4 26	1 28.31	+11 24.6	2.099	1.129	10.0	19.6	11 W	—	5*
5 1	1 47.72	+13 17.5	2.101	1.129	9.8	19.6	11 W	—	4*
5 6	2 7.30	+15 4.2	2.108	1.132	9.6	19.6	11 W	—	4*
5 11	2 27.00	+16 43.8	2.117	1.140	9.4	19.6	11 W	—	4*
5 16	2 46.77	+18 15.2	2.130	1.151	9.2	19.7	10 W	—	4*
5 21	3 6.55	+19 37.7	2.147	1.166	9.0	19.7	10 W	—	3*
5 26	3 26.27	+20 50.8	2.166	1.184	8.9	19.7	10 W	—	3*
6 5	4 5.27	+22 47.7	2.211	1.228	8.8	19.9	11 W	1*	3*
6 15	4 43.22	+24 5.7	2.263	1.283	9.0	20.0	11 W	2*	4*
6 25	5 19.61	+24 47.3	2.320	1.347	9.5	20.2	13 W	3*	4*
7 5	5 54.08	+24 56.6	2.379	1.416	10.2	20.4	14 W	5*	5*
7 15	6 26.39	+24 38.9	2.437	1.491	11.2	20.6	17 W	7*	7*
7 25	6 56.43	+23 59.3	2.492	1.569	12.3	20.8	19 W	10*	8*
8 4	7 24.20	+23 3.0	2.542	1.649	13.5	21.0	22 W	13*	10*
8 14	7 49.78	+21 54.3	2.585	1.730	14.8	21.2	26 W	17*	12*
8 24	8 13.26	+20 36.9	2.619	1.813	16.1	21.4	30 W	21*	14*
133819 2003 XS									
12 27	19 0.52	−26 28.8	2.569	1.605	5.5	19.6	9 E	—	3*
1 6	19 32.51	−25 22.4	2.548	1.574	4.0	19.5	6 E	—	—
1 16	20 4.58	−23 50.2	2.527	1.547	2.7	19.3	4 E	—	—
1 26	20 36.44	−21 53.1	2.506	1.524	2.1	19.3	3 E	—	—
2 5	21 7.88	−19 32.9	2.487	1.505	2.5	19.2	4 W	—	—
2 15	21 38.75	−16 52.4	2.471	1.490	3.6	19.3	5 W	—	—
2 25	22 8.95	−13 55.0	2.457	1.481	4.9	19.3	7 W	—	1*
3 7	22 38.46	−10 44.6	2.446	1.476	6.3	19.4	9 W	—	3*
3 17	23 7.31	− 7 25.0	2.437	1.476	7.7	19.4	11 W	—	5*
3 27	23 35.54	− 4 0.6	2.432	1.481	9.1	19.5	14 W	—	7*
4 6	0 3.22	− 0 35.1	2.429	1.490	10.4	19.6	16 W	—	10*
4 16	0 30.45	+ 2 47.7	2.428	1.505	11.8	19.6	18 W	—	12*
4 26	0 57.28	+ 6 4.4	2.429	1.524	13.2	19.7	20 W	2*	14*
5 6	1 23.79	+ 9 12.4	2.429	1.547	14.5	19.8	23 W	3*	16*
5 16	1 50.03	+12 9.0	2.429	1.574	15.9	19.9	25 W	5*	19*
5 26	2 16.00	+14 52.4	2.427	1.605	17.2	20.0	28 W	8*	21*
6 5	2 41.72	+17 21.2	2.423	1.638	18.6	20.0	31 W	10*	23*
6 15	3 7.14	+19 34.4	2.415	1.674	19.9	20.1	34 W	14*	24*
6 25	3 32.18	+21 31.5	2.403	1.712	21.2	20.2	37 W	18*	26*
7 5	3 56.77	+23 12.5	2.385	1.752	22.4	20.3	41 W	23*	27*
7 15	4 20.78	+24 37.9	2.362	1.793	23.6	20.3	45 W	28*	28*
7 25	4 44.05	+25 48.5	2.331	1.836	24.7	20.4	49 W	33*	29*
8 4	5 6.43	+26 45.5	2.294	1.879	25.8	20.4	54 W	39*	29*
8 14	5 27.75	+27 30.4	2.249	1.923	26.7	20.5	58 W	45*	30*
8 24	5 47.78	+28 5.3	2.197	1.967	27.4	20.5	64 W	51*	31*
9 3	6 6.35	+28 32.3	2.137	2.012	27.9	20.5	69 W	57*	31*
9 13	6 23.20	+28 53.8	2.071	2.057	28.2	20.5	75 W	63*	32*
9 23	6 38.06	+29 12.3	1.998	2.101	28.2	20.5	82 W	69*	33*
10 3	6 50.66	+29 30.5	1.921	2.145	27.8	20.4	89 W	73*	33*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
133819 2003 XS *(continuation)*									
10 13	7 0.61	+29 51.0	1.842	2.189	26.9	20.3	96 W	75	34*
10 23	7 7.55	+30 15.8	1.762	2.233	25.5	20.2	105 W	75	34*
11 2	7 11.07	+30 46.3	1.685	2.275	23.5	20.1	114 W	76	33
11 12	7 10.77	+31 22.6	1.616	2.318	20.8	20.0	124 W	76	33
11 22	7 6.45	+32 2.4	1.558	2.359	17.3	19.8	135 W	77	32
11 27	7 2.80	+32 22.3	1.536	2.379	15.4	19.8	140 W	77	32
12 2	6 58.21	+32 41.3	1.518	2.400	13.3	19.7	146 W	78	31
12 7	6 52.79	+32 58.4	1.506	2.420	11.1	19.6	152 W	78	31
12 12	6 46.68	+33 12.9	1.500	2.440	8.8	19.5	158 W	78	31
12 17	6 40.06	+33 24.0	1.501	2.459	6.7	19.4	163 W	78	31
12 22	6 33.14	+33 31.0	1.509	2.479	4.9	19.4	168 W	79	30
12 27	6 26.14	+33 33.8	1.524	2.498	4.0	19.4	170 W	79	30
1 1	6 19.29	+33 32.3	1.546	2.517	4.6	19.5	168 E	79	30
1 6	6 12.79	+33 26.7	1.576	2.535	6.2	19.6	164 E	78	31
1 11	6 6.84	+33 17.4	1.613	2.554	8.0	19.7	159 E	78	31
1 16	6 1.60	+33 5.3	1.656	2.572	9.9	19.9	153 E	78	31
1 21	5 57.15	+32 50.9	1.705	2.590	11.8	20.0	148 E	78	31
5892 Milesdavis									
12 27	19 0.58	−20 10.2	3.974	3.007	3.0	19.4	9 E	2*	—
1 6	19 16.33	−19 48.9	3.974	2.993	1.1	19.2	3 E	—	—
1 16	19 32.13	−19 21.0	3.958	2.979	1.6	19.3	5 W	—	—
1 26	19 47.89	−18 46.8	3.924	2.963	3.6	19.4	11 W	1*	3*
2 5	20 3.52	−18 6.8	3.875	2.946	5.6	19.4	17 W	4*	10*
2 15	20 18.97	−17 21.5	3.809	2.929	7.7	19.5	23 W	6*	17*
2 25	20 34.15	−16 31.4	3.729	2.911	9.7	19.5	30 W	8*	23*
3 7	20 48.99	−15 37.3	3.635	2.891	11.6	19.5	36 W	10*	30*
3 17	21 3.43	−14 39.9	3.527	2.871	13.5	19.5	42 W	12*	36*
3 27	21 17.40	−13 40.2	3.408	2.850	15.3	19.5	49 W	13*	43*
4 6	21 30.84	−12 39.2	3.278	2.829	16.9	19.4	55 W	15*	49*
4 16	21 43.66	−11 37.8	3.139	2.806	18.4	19.4	62 W	17*	55*
4 26	21 55.77	−10 37.3	2.992	2.782	19.6	19.3	68 W	19*	61*
5 6	22 7.08	− 9 38.9	2.840	2.758	20.7	19.2	75 W	22*	67*
5 16	22 17.46	− 8 44.2	2.683	2.733	21.5	19.1	82 W	24*	71*
5 26	22 26.74	− 7 54.8	2.525	2.707	22.0	18.9	89 W	28*	72*
6 5	22 34.77	− 7 12.5	2.366	2.680	22.1	18.8	97 W	31*	71
6 15	22 41.29	− 6 39.3	2.209	2.653	21.8	18.6	105 W	34*	71
6 25	22 46.07	− 6 17.6	2.057	2.624	20.9	18.4	113 W	37*	70
7 5	22 48.83	− 6 9.5	1.913	2.595	19.5	18.2	122 W	39*	70
7 15	22 49.29	− 6 17.5	1.780	2.566	17.4	17.9	131 W	39	70
7 25	22 47.25	− 6 43.2	1.662	2.535	14.5	17.6	141 W	38	71
8 4	22 42.65	− 7 27.0	1.561	2.504	10.9	17.3	152 W	38	71
8 14	22 35.67	− 8 27.2	1.484	2.472	6.6	17.0	164 W	37	72
8 19	22 31.46	− 9 2.1	1.454	2.456	4.2	16.8	170 W	36	73
8 24	22 26.91	− 9 39.2	1.431	2.440	1.7	16.6	176 W	35	74
8 29	22 22.13	−10 17.6	1.414	2.424	0.8	16.5	178 E	35	74
9 3	22 17.28	−10 56.2	1.405	2.407	3.4	16.7	172 E	34	75
9 8	22 12.51	−11 34.0	1.402	2.391	6.0	16.8	166 E	33	76
9 13	22 7.97	−12 9.9	1.405	2.374	8.5	16.9	160 E	33	76
9 18	22 3.83	−12 43.0	1.415	2.357	11.0	17.0	154 E	32	77
9 23	22 0.21	−13 12.6	1.430	2.340	13.3	17.1	148 E	32	77
10 3	21 54.91	−13 59.3	1.476	2.306	17.4	17.3	136 E	31	78
10 13	21 52.63	−14 27.4	1.539	2.272	20.9	17.4	126 E	31	78
10 23	21 53.57	−14 36.3	1.614	2.237	23.6	17.6	116 E	30	79
11 2	21 57.60	−14 26.9	1.697	2.202	25.5	17.7	107 E	31	78
11 12	22 4.47	−14 0.2	1.784	2.167	26.8	17.8	99 E	31	78*
11 22	22 13.84	−13 17.6	1.873	2.132	27.6	17.9	91 E	32	73*
12 2	22 25.35	−12 20.2	1.960	2.098	27.9	18.0	84 E	33	66*
12 12	22 38.69	−11 9.1	2.044	2.063	27.7	18.1	77 E	34	59*
12 22	22 53.60	− 9 45.5	2.124	2.029	27.3	18.1	71 E	35*	52*
1 1	23 9.83	− 8 10.7	2.199	1.995	26.5	18.1	65 E	36*	45*
1 11	23 27.22	− 6 25.6	2.268	1.962	25.6	18.1	60 E	37*	39*
1 21	23 45.62	− 4 31.6	2.330	1.930	24.5	18.1	54 E	36*	34*
152603 1995 VF_2									
12 27	19 0.75	−24 39.9	2.535	1.570	5.4	21.2	9 E	—	2*
1 6	19 33.01	−23 48.5	2.529	1.554	3.8	21.1	6 E	—	—
1 16	20 5.14	−22 32.3	2.523	1.542	2.3	21.0	4 E	—	—
1 26	20 36.87	−20 52.9	2.517	1.534	1.5	20.9	2 E	—	—
2 5	21 7.99	−18 52.7	2.512	1.529	2.1	21.0	3 W	—	—
2 15	21 38.38	−16 34.6	2.508	1.528	3.4	21.1	5 W	—	—
2 25	22 7.95	−14 2.0	2.506	1.531	5.0	21.1	8 W	—	2*
3 7	22 36.68	−11 18.7	2.504	1.537	6.5	21.2	10 W	—	4*
3 17	23 4.61	− 8 28.0	2.503	1.547	8.0	21.3	13 W	—	6*
3 27	23 31.76	− 5 33.7	2.502	1.561	9.6	21.4	15 W	—	9*
4 6	23 58.21	− 2 38.8	2.501	1.578	11.1	21.5	18 W	—	12*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
160519 1995 CS_3									
12 27	19 0.84	−21 51.7	2.628	1.663	5.2	20.1	9 E	1*	1*
1 6	19 30.56	−20 53.6	2.608	1.632	3.4	20.0	6 E	—	—
1 16	20 0.52	−19 34.0	2.587	1.605	1.6	19.8	3 E	—	—
1 26	20 30.51	−17 53.6	2.564	1.580	0.7	19.7	1 W	—	—
2 5	21 0.38	−15 53.7	2.542	1.559	2.1	19.7	3 W	—	—
2 15	21 30.02	−13 36.2	2.520	1.541	3.8	19.8	6 W	—	—
2 25	21 59.34	−11 3.7	2.500	1.527	5.4	19.8	8 W	—	2*
3 7	22 28.30	− 8 19.2	2.481	1.517	7.0	19.9	11 W	—	5*
3 17	22 56.91	− 5 26.0	2.464	1.511	8.5	19.9	13 W	—	7*
3 27	23 25.16	− 2 27.5	2.450	1.510	10.0	20.0	15 W	1*	9*
4 6	23 53.11	+ 0 32.6	2.437	1.513	11.5	20.0	18 W	1*	11*
4 16	0 20.79	+ 3 31.0	2.426	1.521	12.9	20.1	20 W	2*	14*
4 26	0 48.24	+ 6 24.4	2.417	1.532	14.3	20.2	22 W	3*	16*
5 6	1 15.50	+ 9 9.8	2.407	1.548	15.7	20.2	25 W	5*	18*
5 16	1 42.58	+11 44.8	2.398	1.567	17.1	20.3	27 W	6*	20*
5 26	2 9.47	+14 6.8	2.388	1.590	18.4	20.3	30 W	8*	22*
6 5	2 36.13	+16 14.4	2.376	1.616	19.7	20.4	33 W	11*	24*
6 15	3 2.50	+18 6.2	2.362	1.644	21.0	20.5	36 W	14*	26*
6 25	3 28.48	+19 41.4	2.343	1.675	22.3	20.5	39 W	17*	28*
7 5	3 53.97	+20 59.8	2.321	1.709	23.5	20.6	42 W	22*	29*
7 15	4 18.83	+22 1.4	2.293	1.744	24.7	20.7	46 W	26*	30*
7 25	4 42.87	+22 46.8	2.260	1.781	25.8	20.7	50 W	32*	31*
8 4	5 5.96	+23 17.2	2.220	1.819	26.8	20.7	54 W	37*	32*
8 14	5 27.91	+23 33.8	2.174	1.858	27.7	20.8	58 W	43*	33*
8 24	5 48.50	+23 38.3	2.121	1.897	28.5	20.8	63 W	48*	35*
9 3	6 7.58	+23 32.6	2.061	1.937	29.0	20.8	69 W	54*	36*
9 13	6 24.89	+23 18.9	1.994	1.978	29.3	20.8	74 W	59*	37*
9 23	6 40.22	+22 59.5	1.922	2.019	29.4	20.7	81 W	63*	38*
10 3	6 53.30	+22 36.8	1.845	2.059	29.0	20.7	87 W	66*	40*
10 13	7 3.80	+22 13.3	1.765	2.100	28.3	20.6	95 W	67	41*
10 23	7 11.41	+21 51.4	1.684	2.140	26.9	20.5	103 W	67	42*
11 2	7 15.77	+21 33.3	1.606	2.180	25.0	20.4	112 W	67	42
11 12	7 16.52	+21 20.8	1.533	2.219	22.3	20.2	122 W	66	43
11 22	7 13.48	+21 14.7	1.470	2.258	18.8	20.1	132 W	66	43
12 2	7 6.72	+21 14.5	1.423	2.296	14.6	19.9	144 W	66	43
12 12	6 56.74	+21 18.5	1.397	2.334	9.6	19.7	157 W	66	43
12 17	6 50.87	+21 21.3	1.394	2.353	7.0	19.6	163 W	66	43
12 22	6 44.63	+21 24.2	1.397	2.371	4.3	19.5	170 W	66	43
12 27	6 38.23	+21 26.9	1.407	2.389	1.7	19.3	176 W	66	43
1 1	6 31.87	+21 29.2	1.425	2.407	1.4	19.4	177 E	66	43
1 6	6 25.75	+21 31.1	1.449	2.425	3.8	19.6	170 E	67	42
1 11	6 20.06	+21 32.5	1.481	2.442	6.3	19.8	164 E	67	42
1 16	6 14.95	+21 33.6	1.520	2.459	8.7	20.0	158 E	67	42
1 21	6 10.54	+21 34.4	1.565	2.476	10.8	20.1	152 E	67	42
205378 2001 BJ_{16}									
12 27	19 0.91	−18 19.0	2.190	1.234	8.0	21.4	10 E	4*	—
1 6	19 37.26	−18 31.1	2.183	1.217	6.5	21.3	8 E	2*	—
1 16	20 14.01	−18 15.3	2.177	1.203	5.0	21.2	6 E	—	—
1 26	20 50.92	−17 31.9	2.170	1.191	3.6	21.1	4 E	—	—
2 5	21 27.75	−16 22.1	2.165	1.182	2.7	21.0	3 E	—	—
2 15	22 4.35	−14 48.2	2.160	1.175	2.7	21.0	3 E	—	—
2 25	22 40.56	−12 53.2	2.156	1.171	3.6	21.1	4 E	—	—
3 7	23 16.32	−10 40.7	2.154	1.171	4.7	21.1	6 E	—	—
3 17	23 51.60	− 8 14.8	2.155	1.173	5.9	21.2	7 E	—	—
3 27	0 26.42	− 5 39.9	2.157	1.178	6.9	21.2	8 E	—	—
4 6	1 0.82	− 3 0.5	2.163	1.186	7.9	21.3	9 E	—	—
4 16	1 34.85	− 0 21.1	2.171	1.197	8.7	21.4	10 W	—	—
4 26	2 8.56	+ 2 13.9	2.181	1.210	9.3	21.4	11 W	—	—
5 6	2 41.98	+ 4 40.7	2.194	1.226	9.9	21.5	12 W	—	1*
399714 2004 VK_{27}									
12 27	19 0.99	−21 8.1	2.561	1.597	5.5	20.6	9 E	1*	—
1 6	19 31.81	−19 57.5	2.565	1.591	3.8	20.5	6 E	—	—
1 16	20 2.23	−18 26.0	2.569	1.589	2.3	20.4	4 E	—	—
1 26	20 32.06	−16 35.6	2.574	1.590	1.4	20.3	2 W	—	—
2 5	21 1.17	−14 28.9	2.578	1.595	2.2	20.4	4 W	—	—
2 15	21 29.50	−12 8.7	2.582	1.603	3.7	20.5	6 W	—	—
2 25	21 57.02	− 9 38.1	2.586	1.614	5.3	20.6	9 W	—	2*
3 7	22 23.73	− 7 0.2	2.589	1.629	7.0	20.7	12 W	1*	5*
3 17	22 49.69	− 4 17.8	2.591	1.646	8.7	20.8	14 W	2*	8*
3 27	23 14.93	− 1 33.8	2.591	1.666	10.4	20.9	17 W	3*	11*
4 6	23 39.52	+ 1 9.2	2.588	1.689	12.0	21.0	21 W	4*	14*
4 16	0 3.53	+ 3 49.2	2.583	1.713	13.7	21.1	24 W	6*	17*
4 26	0 27.00	+ 6 24.1	2.574	1.740	15.3	21.2	27 W	7*	20*
5 6	0 49.98	+ 8 52.1	2.561	1.769	16.9	21.3	31 W	9*	24*
5 16	1 12.49	+11 12.0	2.542	1.799	18.4	21.4	34 W	11*	27*
5 26	1 34.54	+13 22.5	2.518	1.830	19.9	21.4	38 W	14*	29*
6 5	1 56.12	+15 22.7	2.488	1.863	21.4	21.5	42 W	17*	32*

105943 2000 SY_{233}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 27	19 1.12	−24 6.6	2.654	1.688	5.0	20.2	9 E	—	2*
1 6	19 31.16	−23 28.1	2.641	1.665	3.2	20.0	5 E	—	—
1 16	20 1.37	−22 27.9	2.627	1.645	1.7	19.9	3 E	—	—
1 26	20 31.51	−21 6.6	2.611	1.627	1.4	19.8	2 W	—	—
2 5	21 1.39	−19 25.7	2.594	1.613	2.8	19.9	5 W	—	—
2 15	21 30.89	−17 27.0	2.577	1.602	4.5	20.0	7 W	—	1*
2 25	21 59.88	−15 13.2	2.560	1.594	6.2	20.0	10 W	—	4*
3 7	22 28.32	−12 47.1	2.543	1.590	7.8	20.1	13 W	—	6*
3 17	22 56.18	−10 11.6	2.527	1.589	9.5	20.1	15 W	—	9*
3 27	23 23.48	− 7 30.0	2.511	1.592	11.1	20.2	18 W	—	12*
4 6	23 50.25	− 4 45.4	2.496	1.598	12.7	20.3	21 W	—	14*
4 16	0 16.53	− 2 0.7	2.481	1.608	14.2	20.3	23 W	—	17*
4 26	0 42.35	+ 0 41.2	2.465	1.621	15.7	20.4	26 W	—	20*
5 6	1 7.76	+ 3 18.0	2.448	1.637	17.2	20.4	29 W	2*	23*
5 16	1 32.79	+ 5 47.3	2.429	1.656	18.7	20.5	32 W	4*	26*
5 26	1 57.44	+ 8 7.2	2.408	1.677	20.1	20.5	35 W	6*	28*
6 5	2 21.71	+10 16.4	2.384	1.701	21.5	20.6	38 W	9*	31*
6 15	2 45.56	+12 13.5	2.357	1.728	22.8	20.6	41 W	13*	33*
6 25	3 8.94	+13 57.8	2.325	1.756	24.1	20.7	45 W	17*	35*
7 5	3 31.77	+15 28.9	2.288	1.786	25.3	20.7	49 W	22*	37*
7 15	3 53.94	+16 46.8	2.245	1.818	26.4	20.7	53 W	27*	38*
7 25	4 15.31	+17 51.6	2.197	1.850	27.4	20.8	57 W	33*	39*
8 4	4 35.75	+18 44.2	2.143	1.884	28.3	20.8	62 W	39*	40*
8 14	4 55.06	+19 25.4	2.083	1.919	29.0	20.8	66 W	45*	41*
8 24	5 13.02	+19 56.7	2.017	1.954	29.4	20.8	72 W	51*	41*
9 3	5 29.42	+20 19.7	1.945	1.990	29.7	20.7	78 W	57*	42*
9 13	5 43.96	+20 36.2	1.868	2.026	29.6	20.7	84 W	62*	42*
9 23	5 56.34	+20 48.4	1.788	2.062	29.1	20.6	91 W	65*	43*
10 3	6 6.21	+20 58.6	1.706	2.098	28.2	20.5	98 W	66	43*
10 13	6 13.15	+21 9.0	1.624	2.134	26.6	20.4	106 W	66	43
10 23	6 16.77	+21 21.8	1.546	2.170	24.4	20.3	116 W	66	43
11 2	6 16.72	+21 38.3	1.475	2.206	21.5	20.1	126 W	67	42
11 12	6 12.80	+21 58.8	1.416	2.241	17.7	19.9	137 W	67	42
11 22	6 5.17	+22 22.4	1.375	2.276	13.2	19.7	148 W	67	42
11 27	6 0.15	+22 34.5	1.362	2.293	10.6	19.6	155 W	68	41
12 2	5 54.48	+22 46.3	1.355	2.310	8.0	19.5	161 W	68	41
12 7	5 48.35	+22 57.6	1.355	2.327	5.3	19.4	167 W	68	41
12 12	5 41.95	+23 7.9	1.362	2.343	2.5	19.3	174 W	68	41
12 17	5 35.51	+23 17.2	1.376	2.360	0.2	19.1	179 E	68	41
12 22	5 29.23	+23 25.2	1.397	2.376	2.9	19.4	173 E	68	41
12 27	5 23.31	+23 32.2	1.425	2.393	5.5	19.6	166 E	69	40
1 1	5 17.91	+23 38.2	1.461	2.409	8.0	19.8	160 E	69	40
1 6	5 13.19	+23 43.6	1.502	2.425	10.3	20.0	154 E	69	40
1 11	5 9.25	+23 48.7	1.550	2.440	12.3	20.1	148 E	69	40
1 16	5 6.14	+23 53.6	1.604	2.456	14.2	20.3	142 E	69	40
1 21	5 3.90	+23 58.7	1.662	2.471	15.9	20.4	137 E	69	40

65679 1989 UQ

12 27	19 1.14	−22 7.5	1.854	0.894	9.6	21.2	9 E	1*	1*
1 1	19 24.35	−21 28.3	1.876	0.918	9.7	21.3	9 E	1*	1*
1 6	19 46.76	−20 38.7	1.899	0.942	9.7	21.4	9 E	1*	1*
1 11	20 8.36	−19 40.0	1.921	0.964	9.5	21.5	9 E	2*	1*
1 16	20 29.18	−18 33.4	1.944	0.986	9.3	21.5	9 E	2*	1*

18919 2000 OJ_{52}

12 27	19 1.77	−26 22.8	2.468	1.505	6.0	18.4	9 E	—	3*
1 6	19 36.06	−24 59.9	2.453	1.482	4.6	18.3	7 E	—	1*
1 16	20 10.08	−23 8.0	2.442	1.464	3.3	18.2	5 E	—	—
1 26	20 43.49	−20 49.2	2.434	1.452	2.1	18.1	3 E	—	—
2 5	21 16.03	−18 7.2	2.431	1.446	1.5	18.0	2 E	—	—
2 15	21 47.60	−15 6.3	2.432	1.446	1.9	18.1	3 W	—	—
2 25	22 18.10	−11 51.2	2.437	1.452	3.0	18.1	4 W	—	—
3 7	22 47.56	− 8 26.8	2.447	1.464	4.3	18.3	6 W	—	—
3 17	23 16.05	− 4 57.9	2.460	1.482	5.6	18.4	8 W	—	2*
3 27	23 43.66	− 1 28.8	2.475	1.506	7.0	18.5	11 W	—	5*
4 6	0 10.47	+ 1 56.8	2.493	1.534	8.4	18.6	13 W	—	7*
4 16	0 36.60	+ 5 15.8	2.511	1.567	9.9	18.7	16 W	1*	9*
4 26	1 2.12	+ 8 25.4	2.528	1.604	11.3	18.8	18 W	2*	12*
5 6	1 27.11	+11 23.8	2.544	1.644	12.8	19.0	21 W	4*	14*
5 16	1 51.60	+14 9.5	2.557	1.687	14.3	19.1	24 W	6*	17*
5 26	2 15.61	+16 41.4	2.566	1.733	15.7	19.2	28 W	9*	20*
6 5	2 39.13	+18 59.1	2.569	1.780	17.1	19.3	31 W	12*	22*
6 15	3 2.14	+21 2.4	2.567	1.829	18.5	19.4	35 W	16*	24*
6 25	3 24.55	+22 51.5	2.557	1.879	19.9	19.5	39 W	20*	26*
7 5	3 46.30	+24 26.9	2.540	1.930	21.2	19.6	43 W	25*	28*
7 15	4 7.26	+25 49.5	2.514	1.982	22.4	19.7	48 W	31*	29*
7 25	4 27.28	+27 0.1	2.480	2.034	23.4	19.7	53 W	37*	30*
8 4	4 46.23	+28 0.3	2.438	2.086	24.4	19.8	58 W	43*	31*
8 14	5 3.90	+28 51.6	2.386	2.138	25.1	19.8	64 W	50*	31*
8 24	5 20.09	+29 35.6	2.327	2.190	25.6	19.8	70 W	57*	32*
9 3	5 34.55	+30 14.2	2.260	2.242	25.9	19.8	76 W	63*	32*

18919 2000 OJ_{52} *(continuation)*

9 13	5 47.00	+30 49.3	2.187	2.293	25.8	19.8	83 W	70*	32*
9 23	5 57.12	+31 22.7	2.109	2.344	25.3	19.7	91 W	75*	32*
10 3	6 4.57	+31 56.1	2.030	2.394	24.4	19.7	99 W	77	32*
10 13	6 8.95	+32 30.2	1.951	2.444	22.9	19.6	107 W	78	31
10 23	6 9.91	+33 5.2	1.878	2.492	20.8	19.5	117 W	78	31
11 2	6 7.21	+33 39.4	1.813	2.540	18.1	19.4	127 W	79	30
11 12	6 0.77	+34 9.6	1.764	2.587	14.8	19.2	138 W	79	30
11 17	5 56.27	+34 21.8	1.746	2.610	12.9	19.2	144 W	79	30
11 22	5 51.02	+34 31.2	1.734	2.633	11.0	19.1	150 W	80	29
11 27	5 45.15	+34 37.2	1.728	2.656	9.0	19.0	155 W	80	29
12 2	5 38.81	+34 39.4	1.728	2.679	7.0	18.9	161 W	80	29
12 7	5 32.19	+34 37.5	1.736	2.701	5.3	18.9	165 W	80	29
12 12	5 25.49	+34 31.3	1.751	2.723	4.2	18.9	168 W	80	29
12 17	5 18.93	+34 21.2	1.774	2.745	4.2	18.9	168 E	79	30
12 22	5 12.67	+34 7.5	1.804	2.766	5.2	19.0	165 E	79	30
12 27	5 6.87	+33 50.8	1.842	2.788	6.8	19.2	160 E	79	30
1 1	5 1.68	+33 31.9	1.886	2.809	8.5	19.3	155 E	79	30
1 6	4 57.20	+33 11.5	1.937	2.830	10.1	19.4	150 E	78	31
1 11	4 53.49	+32 50.5	1.995	2.850	11.7	19.6	144 E	78	31
1 16	4 50.59	+32 29.3	2.058	2.871	13.1	19.7	139 E	77	32
1 21	4 48.51	+32 8.7	2.126	2.891	14.3	19.9	133 E	77	32

7092 Cadmus

12 27	19 2.06	−32 36.8	3.569	2.618	4.7	20.4	13 E	—	6*
1 6	19 20.79	−32 23.8	3.652	2.690	3.7	20.4	10 E	—	2*
1 16	19 38.79	−32 6.0	3.717	2.760	4.1	20.5	11 W	—	2*
1 26	19 56.03	−31 44.9	3.764	2.828	5.3	20.7	15 W	—	8*
2 5	20 12.46	−31 21.8	3.793	2.893	7.0	20.8	21 W	—	13*
2 15	20 28.07	−30 57.9	3.804	2.957	8.7	20.9	27 W	—	20*
2 25	20 42.79	−30 34.8	3.797	3.019	10.4	21.1	33 W	—	26*
3 7	20 56.61	−30 13.8	3.773	3.079	11.9	21.1	40 W	—	32*
3 17	21 9.45	−29 56.3	3.732	3.137	13.4	21.2	47 W	—	39*
3 27	21 21.25	−29 43.8	3.676	3.194	14.6	21.3	54 W	—	46*
4 6	21 31.92	−29 37.8	3.606	3.248	15.7	21.3	61 W	1*	53*
4 16	21 41.37	−29 39.8	3.525	3.301	16.5	21.3	69 W	2*	61*
4 26	21 49.47	−29 51.1	3.435	3.353	17.0	21.3	77 W	4*	68*
5 6	21 56.07	−30 13.1	3.339	3.403	17.2	21.3	85 W	5*	76*
5 16	22 0.98	−30 46.8	3.239	3.451	17.0	21.2	93 W	7*	84*
5 26	22 4.02	−31 32.7	3.140	3.498	16.4	21.2	102 W	8*	84
6 5	22 4.98	−32 30.6	3.045	3.543	15.5	21.1	111 W	10*	83
6 15	22 3.66	−33 39.2	2.960	3.586	14.1	21.0	121 W	10*	82
6 25	21 59.94	−34 55.8	2.889	3.629	12.4	20.9	130 W	10*	81
7 5	21 53.79	−36 16.1	2.837	3.669	10.4	20.8	139 W	9	80
7 15	21 45.37	−37 34.3	2.807	3.709	8.3	20.8	148 W	7	78
7 25	21 35.13	−38 44.2	2.804	3.747	6.7	20.7	155 W	6	77
8 4	21 23.74	−39 39.9	2.829	3.783	6.1	20.7	157 W	5	76
8 14	21 12.07	−40 17.2	2.884	3.819	6.7	20.8	154 E	5	76
8 24	21 1.07	−40 34.4	2.967	3.853	8.3	21.0	147 E	4	75
9 3	20 51.53	−40 32.8	3.075	3.885	10.0	21.1	138 E	4	75
9 13	20 44.03	−40 14.8	3.205	3.916	11.5	21.3	129 E	5	76
9 23	20 38.88	−39 44.1	3.354	3.946	12.8	21.5	120 E	5	76

189058 2000 UT_{16}

12 27	19 2.17	−13 5.0	2.388	1.451	9.3	19.8	14 E	8*	—
1 6	19 33.00	−10 51.0	2.342	1.403	9.2	19.7	13 E	7*	—
1 16	20 4.75	− 8 13.5	2.298	1.359	9.5	19.6	13 E	6*	—
1 26	20 37.32	− 5 14.1	2.258	1.322	10.1	19.5	14 E	4*	—
2 5	21 10.65	− 1 55.9	2.226	1.292	10.7	19.5	14 W	5*	—
2 10	21 27.59	− 0 11.2	2.212	1.280	11.0	19.4	14 W	5*	—
2 15	21 44.70	+ 1 36.4	2.202	1.270	11.3	19.4	15 W	6*	—
2 20	22 1.97	+ 3 25.8	2.194	1.263	11.5	19.4	15 W	6*	—
2 25	22 19.38	+ 5 16.3	2.189	1.258	11.6	19.4	15 W	6*	—
3 2	22 36.93	+ 7 6.7	2.187	1.255	11.7	19.4	15 W	7*	—
3 7	22 54.60	+ 8 56.3	2.188	1.255	11.7	19.4	15 W	7*	—
3 12	23 12.38	+10 43.8	2.192	1.257	11.6	19.4	15 W	7*	—
3 17	23 30.26	+12 28.6	2.199	1.261	11.4	19.4	15 W	7*	—
3 22	23 48.19	+14 9.4	2.210	1.268	11.1	19.4	14 W	7*	—
3 27	0 6.16	+15 45.7	2.223	1.277	10.8	19.4	14 W	6*	—
4 1	0 24.14	+17 16.5	2.238	1.288	10.4	19.5	14 W	6*	—
4 6	0 42.11	+18 41.4	2.257	1.302	10.0	19.5	13 W	6*	—
4 16	1 17.87	+21 11.4	2.299	1.334	9.0	19.5	12 W	5*	—
4 26	1 53.13	+23 13.0	2.348	1.374	8.0	19.6	11 W	5*	—
5 6	2 27.63	+24 45.4	2.402	1.419	7.1	19.7	10 W	4*	—
5 16	3 1.10	+25 49.4	2.457	1.470	6.6	19.8	10 W	4*	—
5 26	3 33.32	+26 26.6	2.511	1.524	6.7	19.9	10 W	4*	—
6 5	4 4.11	+26 39.3	2.563	1.582	7.4	20.1	12 W	4*	2*
6 15	4 33.36	+26 30.0	2.610	1.642	8.6	20.2	14 W	5*	4*
6 25	5 0.98	+26 1.5	2.650	1.704	10.0	20.4	17 W	7*	7*
7 5	5 26.95	+25 16.2	2.683	1.766	11.6	20.6	20 W	9*	10*
7 15	5 51.26	+24 16.4	2.706	1.830	13.3	20.7	24 W	12*	13*

189058 2000 UT_{16} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
7 25	6 13.92	+23 4.2	2.720	1.894	15.0	20.9	29 W	16*	17*
8 4	6 34.96	+21 41.4	2.722	1.958	16.6	21.0	33 W	20*	20*
8 14	6 54.39	+20 9.6	2.714	2.021	18.2	21.1	38 W	25*	23*
8 24	7 12.23	+18 30.0	2.694	2.085	19.6	21.2	44 W	30*	27*
9 3	7 28.46	+16 44.0	2.662	2.147	20.9	21.3	49 W	35*	30*
9 13	7 43.05	+14 52.5	2.620	2.209	22.0	21.4	55 W	40*	34*
9 23	7 55.94	+12 56.6	2.567	2.270	22.9	21.4	62 W	45*	38*
10 3	8 7.04	+10 57.2	2.504	2.330	23.5	21.4	68 W	49*	42*
10 13	8 16.20	+ 8 55.3	2.433	2.389	23.9	21.4	76 W	51*	47*
10 23	8 23.25	+ 6 52.0	2.357	2.447	23.8	21.4	83 W	52*	51*
11 2	8 28.01	+ 4 48.8	2.277	2.504	23.3	21.4	91 W	50	56*
11 12	8 30.24	+ 2 47.7	2.196	2.560	22.4	21.3	100 W	48	61*
11 22	8 29.74	+ 0 51.2	2.120	2.614	20.9	21.2	109 W	46	63
12 2	8 26.39	− 0 57.4	2.052	2.668	18.9	21.2	119 W	44	65
12 12	8 20.20	− 2 33.6	1.997	2.720	16.5	21.1	128 W	42	67
12 22	8 11.47	− 3 52.8	1.961	2.771	13.8	21.0	138 W	41	68
1 1	8 0.78	− 4 50.6	1.948	2.820	11.1	20.9	146 W	40	69
1 11	7 49.04	− 5 23.8	1.962	2.869	9.2	20.9	152 W	40	69
1 21	7 37.34	− 5 32.3	2.004	2.916	8.8	20.9	153 E	39	70

60924 2000 JF_{44}

12 27	19 2.44	−24 21.8	2.602	1.638	5.4	19.6	9 E	—	2*
1 6	19 33.40	−23 25.3	2.613	1.638	3.6	19.5	6 E	—	—
1 16	20 3.84	−22 7.3	2.623	1.641	1.9	19.4	3 E	—	—
1 26	20 33.55	−20 29.8	2.631	1.648	1.0	19.3	2 E	—	—
2 5	21 2.41	−18 35.6	2.639	1.657	2.3	19.5	4 W	—	—
2 15	21 30.35	−16 27.4	2.645	1.669	4.0	19.6	7 W	—	1*
2 25	21 57.31	−14 8.4	2.650	1.683	5.8	19.7	10 W	—	4*
3 7	22 23.34	−11 41.4	2.652	1.700	7.6	19.8	13 W	—	7*
3 17	22 48.46	− 9 9.4	2.651	1.720	9.4	19.9	16 W	—	10*
3 27	23 12.74	− 6 34.8	2.648	1.741	11.2	20.0	20 W	—	14*
4 6	23 36.23	− 4 0.1	2.640	1.765	12.9	20.1	23 W	1*	17*
4 16	23 59.01	− 1 27.3	2.628	1.790	14.6	20.2	27 W	3*	21*
4 26	0 21.12	+ 1 1.8	2.611	1.817	16.3	20.3	30 W	4*	24*
5 6	0 42.61	+ 3 25.6	2.589	1.845	17.9	20.3	34 W	6*	28*
5 16	1 3.52	+ 5 42.9	2.561	1.874	19.5	20.4	38 W	9*	32*
5 26	1 23.84	+ 7 52.5	2.526	1.905	21.0	20.4	42 W	12*	35*
6 5	1 43.57	+ 9 53.6	2.485	1.936	22.4	20.5	47 W	15*	38*
6 15	2 2.66	+11 45.6	2.437	1.967	23.7	20.5	51 W	20*	41*
6 25	2 21.05	+13 27.9	2.382	1.999	24.9	20.5	56 W	25*	43*
7 5	2 38.64	+15 0.5	2.321	2.032	25.9	20.5	61 W	31*	44*
7 15	2 55.29	+16 23.1	2.252	2.064	26.8	20.5	66 W	37*	45*
7 25	3 10.84	+17 35.8	2.177	2.097	27.4	20.5	72 W	44*	45*
8 4	3 25.07	+18 38.9	2.097	2.130	27.8	20.5	78 W	51*	45*
8 14	3 37.71	+19 32.9	2.012	2.162	27.8	20.4	84 W	57*	44*
8 24	3 48.45	+20 18.0	1.924	2.195	27.4	20.4	91 W	62*	44
9 3	3 56.95	+20 55.0	1.834	2.227	26.6	20.3	99 W	66*	43
9 13	4 2.78	+21 23.9	1.745	2.258	25.2	20.1	107 W	66	43
9 23	4 5.57	+21 45.0	1.661	2.289	23.1	20.0	116 W	67	42
10 3	4 4.98	+21 57.7	1.584	2.320	20.4	19.8	126 W	67	42
10 13	4 0.84	+22 1.3	1.520	2.350	16.8	19.7	137 W	67	42
10 23	3 53.35	+21 54.6	1.473	2.380	12.6	19.5	149 W	67	42
10 28	3 48.53	+21 47.2	1.458	2.394	10.2	19.4	155 W	67	42
11 2	3 43.15	+21 37.1	1.449	2.409	7.7	19.3	161 W	67	42
11 7	3 37.36	+21 24.4	1.446	2.423	5.2	19.2	167 W	66	43
11 12	3 31.36	+21 9.7	1.451	2.437	2.6	19.0	173 W	66	43
11 17	3 25.34	+20 53.3	1.462	2.451	0.9	18.9	178 E	66	43
11 22	3 19.49	+20 36.0	1.481	2.464	2.8	19.1	173 E	66	43
11 27	3 13.97	+20 18.4	1.507	2.478	5.3	19.3	167 E	65	44
12 2	3 8.93	+20 1.2	1.540	2.491	7.6	19.5	160 E	65	44
12 7	3 4.50	+19 45.2	1.580	2.504	9.8	19.6	154 E	65	44
12 12	3 0.77	+19 30.9	1.625	2.517	11.8	19.8	148 E	65	44
12 22	2 55.63	+19 9.7	1.733	2.542	15.3	20.1	137 E	64	45
1 1	2 53.61	+18 59.6	1.859	2.567	18.0	20.3	126 E	64	45
1 11	2 54.59	+19 1.3	1.999	2.590	19.9	20.6	116 E	64	45
1 21	2 58.24	+19 13.7	2.149	2.613	21.1	20.8	107 E	64	44*

134371 1995 *RH*

12 27	19 2.78	−25 39.1	2.903	1.939	4.7	19.9	9 E	—	3*
1 6	19 28.82	−25 52.6	2.881	1.905	3.0	19.7	6 E	—	—
1 16	19 55.60	−25 50.1	2.851	1.873	2.6	19.6	5 E	—	—
1 26	20 22.97	−25 31.1	2.814	1.842	3.8	19.6	7 W	—	—
2 5	20 50.81	−24 55.7	2.772	1.812	5.7	19.7	10 W	—	3*
2 15	21 18.99	−24 4.1	2.726	1.784	7.7	19.7	14 W	—	7*
2 25	21 47.40	−22 57.0	2.676	1.757	9.7	19.7	17 W	—	10*
3 7	22 15.91	−21 35.3	2.625	1.733	11.7	19.7	21 W	—	13*
3 17	22 44.45	−20 0.5	2.572	1.712	13.7	19.7	24 W	—	16*
3 27	23 12.93	−18 14.4	2.520	1.692	15.5	19.7	27 W	—	18*
4 6	23 41.29	−16 18.9	2.469	1.676	17.2	19.7	30 W	—	21*
4 16	0 9.49	−14 16.4	2.420	1.663	18.9	19.7	32 W	—	24*
4 26	0 37.45	−12 9.5	2.374	1.653	20.4	19.7	35 W	—	27*

134371 1995 *RH* *(continuation)*

5 6	1 5.15	−10 0.8	2.330	1.646	21.8	19.7	37 W	—	29*
5 16	1 32.53	− 7 53.0	2.288	1.642	23.1	19.7	40 W	—	32*
5 26	1 59.54	− 5 48.8	2.249	1.642	24.4	19.7	42 W	—	35*
6 5	2 26.11	− 3 50.3	2.212	1.646	25.5	19.7	44 W	—	38*
6 15	2 52.19	− 1 59.8	2.176	1.652	26.5	19.7	47 W	1*	41*
6 25	3 17.68	− 0 18.9	2.140	1.662	27.5	19.7	49 W	5*	43*
7 5	3 42.50	+ 1 11.4	2.103	1.675	28.4	19.7	52 W	10*	45*
7 15	4 6.55	+ 2 30.3	2.065	1.691	29.3	19.7	55 W	15*	47*
7 25	4 29.70	+ 3 37.6	2.023	1.710	30.1	19.7	58 W	21*	48*
8 4	4 51.85	+ 4 33.9	1.978	1.732	30.8	19.7	61 W	26*	50*
8 14	5 12.85	+ 5 19.7	1.929	1.756	31.5	19.7	65 W	32*	51*
8 24	5 32.53	+ 5 56.6	1.874	1.782	32.0	19.7	69 W	37*	52*
9 3	5 50.75	+ 6 26.2	1.814	1.810	32.3	19.6	74 W	42*	53*
9 13	6 7.28	+ 6 50.8	1.748	1.839	32.4	19.6	79 W	47*	54*
9 23	6 21.88	+ 7 13.3	1.678	1.871	32.3	19.5	84 W	50*	55*
10 3	6 34.28	+ 7 36.8	1.604	1.903	31.7	19.5	91 W	52*	55*
10 13	6 44.11	+ 8 5.2	1.527	1.937	30.7	19.4	98 W	53	56*
10 23	6 50.99	+ 8 42.9	1.449	1.971	29.0	19.3	106 W	54	55
11 2	6 54.51	+ 9 34.6	1.374	2.006	26.6	19.1	115 W	55	54
11 12	6 54.25	+10 44.8	1.306	2.042	23.4	18.9	125 W	56	53
11 22	6 50.00	+12 16.5	1.250	2.078	19.2	18.7	136 W	57	52
12 2	6 41.85	+14 9.7	1.211	2.114	14.2	18.5	148 W	59	50
12 7	6 36.48	+15 13.1	1.199	2.132	11.4	18.4	155 W	60	49
12 12	6 30.43	+16 19.9	1.195	2.150	8.5	18.3	161 W	61	48
12 17	6 23.90	+17 28.7	1.197	2.169	5.5	18.2	168 W	62	47
12 22	6 17.11	+18 38.2	1.206	2.187	2.8	18.1	174 W	64	45
12 27	6 10.27	+19 46.9	1.223	2.205	2.0	18.1	175 E	65	44
1 1	6 3.62	+20 53.5	1.248	2.223	4.3	18.3	170 E	66	43
1 6	5 57.40	+21 57.1	1.280	2.241	6.9	18.5	164 E	67	42
1 11	5 51.79	+22 57.1	1.318	2.259	9.5	18.7	158 E	68	41
1 16	5 46.94	+23 52.9	1.364	2.277	11.9	18.9	151 E	69	40
1 21	5 42.96	+24 44.6	1.415	2.295	14.1	19.1	146 E	70	39

360433 2002 JR_9

12 27	19 2.91	−21 57.0	1.884	0.926	9.8	19.5	9 E	1*	1*
1 1	19 28.26	−21 46.7	1.857	0.904	10.8	19.5	10 E	1*	2*
1 6	19 54.15	−21 21.2	1.833	0.887	12.0	19.5	11 E	2*	3*
1 11	20 20.40	−20 40.0	1.814	0.875	13.4	19.5	12 E	3*	4*
1 16	20 46.77	−19 43.0	1.799	0.870	14.9	19.5	13 E	4*	5*
1 21	21 13.06	−18 30.9	1.789	0.871	16.3	19.5	14 E	5*	6*
1 26	21 39.04	−17 5.0	1.784	0.878	17.7	19.6	16 E	6*	7*
1 31	22 4.55	−15 26.9	1.784	0.890	18.9	19.7	17 E	7*	8*
2 5	22 29.46	−13 38.8	1.790	0.909	19.9	19.8	18 E	8*	9*
2 10	22 53.64	−11 42.9	1.802	0.932	20.7	19.8	20 E	9*	10*
2 15	23 17.05	− 9 41.8	1.820	0.960	21.2	20.0	21 E	10*	11*
2 20	23 39.64	− 7 37.6	1.843	0.992	21.5	20.1	22 E	11*	12*
2 25	0 1.39	− 5 32.7	1.871	1.027	21.5	20.2	22 E	12*	12*
3 2	0 22.33	− 3 29.0	1.904	1.065	21.3	20.3	23 E	13*	13*
3 7	0 42.47	− 1 27.9	1.942	1.105	21.0	20.4	23 E	13*	13*
3 12	1 1.87	+ 0 29.2	1.984	1.147	20.4	20.5	24 E	13*	13*
3 17	1 20.55	+ 2 21.3	2.030	1.190	19.7	20.6	24 E	13*	13*
3 22	1 38.55	+ 4 7.7	2.079	1.234	18.9	20.7	24 E	13*	13*
3 27	1 55.93	+ 5 48.0	2.131	1.279	18.1	20.8	23 E	13*	13*
4 1	2 12.71	+ 7 21.8	2.185	1.324	17.1	20.9	23 E	12*	13*
4 6	2 28.95	+ 8 49.0	2.242	1.370	16.1	21.0	22 E	11*	13*
4 11	2 44.67	+10 9.7	2.299	1.415	15.1	21.1	22 E	10*	12*
4 16	2 59.92	+11 24.0	2.357	1.461	14.0	21.2	21 E	9*	12*
4 21	3 14.72	+12 31.9	2.416	1.507	12.9	21.3	20 E	8*	11*
4 26	3 29.10	+13 33.7	2.475	1.553	11.8	21.3	18 E	7*	10*
5 1	3 43.07	+14 29.7	2.534	1.598	10.7	21.4	17 E	5*	9*
5 6	3 56.67	+15 20.0	2.592	1.643	9.5	21.5	16 E	4*	8*

388189 2006 DS_{14}

12 27	19 2.97	−15 23.3	1.559	0.633	19.2	21.4	12 E	6*	—
1 1	19 32.99	−16 7.5	1.525	0.609	21.5	21.4	13 E	7*	—
1 6	20 3.86	−16 44.1	1.490	0.591	24.5	21.4	14 E	7*	3*
1 11	20 35.41	−17 11.7	1.453	0.578	28.3	21.4	16 E	8*	6*
1 16	21 7.39	−17 28.2	1.416	0.573	32.7	21.4	18 E	8*	8*

133059 2003 EC_{58}

12 27	19 3.47	−32 25.9	3.164	2.215	5.6	20.1	13 E	—	6*
1 6	19 27.58	−32 26.1	3.206	2.248	4.7	20.1	11 E	—	3*
1 16	19 51.29	−32 14.6	3.237	2.280	4.8	20.2	11 E	—	—
1 26	20 14.49	−31 52.9	3.256	2.312	5.8	20.2	14 W	—	4*
2 5	20 37.09	−31 22.8	3.264	2.343	7.3	20.3	18 W	—	9*
2 15	20 59.04	−30 45.9	3.261	2.374	9.0	20.4	22 W	—	13*
2 25	21 20.28	−30 4.1	3.246	2.405	10.7	20.5	27 W	—	18*
3 7	21 40.78	−29 19.3	3.220	2.434	12.4	20.6	32 W	—	23*
3 17	22 0.51	−28 33.3	3.183	2.463	14.1	20.7	37 W	—	28*
3 27	22 19.46	−27 48.1	3.135	2.491	15.7	20.7	42 W	—	33*
4 6	22 37.59	−27 5.4	3.078	2.519	17.1	20.8	48 W	—	38*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
133059 2003 EC_{58} *(continuation)*									
4 16	22 54.90	−26 27.2	3.011	2.546	18.5	20.8	54 W	—	44*
4 26	23 11.33	−25 55.3	2.936	2.572	19.7	20.8	59 W	—	50*
5 6	23 26.84	−25 31.7	2.854	2.597	20.6	20.8	65 W	—	56*
5 16	23 41.35	−25 18.1	2.765	2.621	21.4	20.7	71 W	—	63*
5 26	23 54.75	−25 16.4	2.671	2.644	22.0	20.7	78 W	2*	70*
6 5	0 6.92	−25 28.4	2.574	2.667	22.2	20.7	84 W	4*	77*
6 15	0 17.68	−25 55.7	2.476	2.689	22.2	20.6	91 W	7*	84*
6 25	0 26.81	−26 39.5	2.378	2.709	21.8	20.5	98 W	10*	89
7 5	0 34.06	−27 40.4	2.284	2.729	21.1	20.4	105 W	12*	88
7 15	0 39.11	−28 58.2	2.195	2.748	20.0	20.3	112 W	14*	87
7 25	0 41.64	−30 30.8	2.116	2.766	18.6	20.2	120 W	14*	85
7 30	0 41.86	−31 21.5	2.080	2.775	17.7	20.1	124 W	14*	85
8 4	0 41.35	−32 14.4	2.049	2.783	16.8	20.1	127 W	13	84
8 9	0 40.07	−33 8.4	2.021	2.792	15.9	20.0	131 W	12	83
8 14	0 38.02	−34 2.6	1.997	2.800	15.0	20.0	134 W	11	82
8 19	0 35.21	−34 55.6	1.979	2.807	14.2	19.9	137 W	10	81
8 24	0 31.67	−35 46.3	1.965	2.815	13.4	19.9	140 W	9	80
8 29	0 27.44	−36 33.3	1.957	2.822	12.7	19.9	142 W	8	79
9 3	0 22.62	−37 15.4	1.954	2.829	12.3	19.8	143 W	8	79
9 8	0 17.30	−37 51.2	1.958	2.836	12.0	19.8	144 W	7	78
9 13	0 11.62	−38 19.8	1.967	2.842	12.0	19.9	144 W	7	78
9 18	0 5.73	−38 40.1	1.982	2.849	12.3	19.9	143 W	6	77
9 23	23 59.81	−38 51.9	2.003	2.855	12.7	19.9	141 W	6	77
9 28	23 53.99	−38 55.0	2.029	2.861	13.3	20.0	139 E	6	77
10 3	23 48.45	−38 49.3	2.061	2.866	14.0	20.1	136 E	6	77
10 8	23 43.31	−38 35.1	2.098	2.871	14.8	20.1	133 E	6	77
10 13	23 38.70	−38 13.1	2.140	2.877	15.6	20.2	129 E	7	78
10 18	23 34.70	−37 43.9	2.186	2.881	16.3	20.3	126 E	7	78
10 23	23 31.37	−37 8.3	2.236	2.886	17.1	20.4	122 E	8	79
10 28	23 28.73	−36 27.2	2.290	2.890	17.7	20.4	118 E	9	80
11 2	23 26.81	−35 41.4	2.347	2.895	18.3	20.5	114 E	9	80
11 7	23 25.59	−34 51.4	2.407	2.898	18.8	20.6	110 E	10	81
11 12	23 25.06	−33 58.0	2.469	2.902	19.1	20.6	106 E	11	82
11 17	23 25.18	−33 1.9	2.533	2.905	19.4	20.7	102 E	12	83
11 22	23 25.92	−32 3.6	2.598	2.909	19.6	20.8	98 E	13	84
11 27	23 27.23	−31 3.5	2.665	2.912	19.8	20.8	94 E	14	85
12 2	23 29.07	−30 2.0	2.732	2.914	19.8	20.9	91 E	15	84*
12 7	23 31.41	−28 59.4	2.800	2.917	19.7	21.0	87 E	16	81*
12 12	23 34.19	−27 56.0	2.867	2.919	19.6	21.0	83 E	17	77*
12 17	23 37.39	−26 51.9	2.934	2.921	19.4	21.0	80 E	18	72*
12 22	23 40.96	−25 47.5	3.001	2.922	19.1	21.1	76 E	19	68*
12 27	23 44.86	−24 42.8	3.066	2.924	18.7	21.1	72 E	20	64*
1 1	23 49.07	−23 38.0	3.130	2.925	18.3	21.2	69 E	21	60*
1 6	23 53.56	−22 33.2	3.193	2.926	17.8	21.2	66 E	22*	56*
1 11	23 58.30	−21 28.4	3.254	2.927	17.3	21.2	62 E	23*	52*
1 16	0 3.26	−20 23.9	3.313	2.927	16.7	21.2	59 E	23*	49*
1 21	0 8.43	−19 19.6	3.370	2.928	16.1	21.2	56 E	23*	45*
2202 Pele									
12 27	19 3.57	−17 40.6	2.768	1.812	5.9	21.1	11 E	4*	—
1 6	19 29.22	−17 10.6	2.715	1.744	4.1	20.9	7 E	1*	—
1 16	19 55.97	−16 23.4	2.655	1.677	2.8	20.6	5 E	—	—
1 26	20 23.81	−15 17.8	2.589	1.609	2.5	20.5	4 W	—	—
2 5	20 52.70	−13 53.0	2.520	1.542	3.6	20.4	6 W	—	—
2 15	21 22.67	−12 8.5	2.449	1.476	5.1	20.3	8 W	—	—
2 25	21 53.69	−10 4.6	2.378	1.412	6.7	20.2	10 W	—	3*
3 7	22 25.80	− 7 42.2	2.311	1.351	8.2	20.1	11 W	—	5*
3 17	22 59.04	− 5 2.9	2.248	1.294	9.5	20.0	12 W	—	6*
3 27	23 33.42	− 2 9.9	2.193	1.242	10.6	19.9	13 W	—	7*
4 6	0 8.98	+ 0 52.4	2.146	1.198	11.4	19.9	14 W	—	8*
4 11	0 27.20	+ 2 25.5	2.127	1.179	11.7	19.8	14 W	—	8*
4 16	0 45.70	+ 3 58.7	2.110	1.162	12.0	19.8	14 W	—	8*
4 21	1 4.48	+ 5 31.3	2.097	1.147	12.2	19.7	14 W	—	8*
4 26	1 23.51	+ 7 2.1	2.086	1.135	12.3	19.7	14 W	—	8*
5 1	1 42.78	+ 8 30.4	2.079	1.126	12.3	19.7	14 W	—	8*
5 6	2 2.25	+ 9 55.2	2.075	1.120	12.3	19.7	14 W	—	8*
5 11	2 21.91	+11 15.6	2.073	1.117	12.3	19.7	14 W	—	8*
5 16	2 41.69	+12 30.8	2.075	1.117	12.2	19.7	13 W	—	7*
5 21	3 1.55	+13 39.9	2.080	1.120	12.1	19.7	13 W	—	7*
5 26	3 21.43	+14 42.4	2.087	1.126	12.0	19.7	13 W	—	7*
6 5	4 1.05	+16 25.3	2.109	1.147	11.8	19.7	13 W	—	7*
6 15	4 40.06	+17 37.0	2.140	1.178	11.8	19.8	14 W	—	8*
6 25	5 17.97	+18 17.2	2.178	1.218	11.8	19.9	14 W	—	8*
7 5	5 54.40	+18 27.8	2.220	1.266	12.0	20.1	15 W	—	9*
7 15	6 29.04	+18 11.9	2.265	1.321	12.5	20.2	16 W	2*	10*
7 25	7 1.71	+17 33.3	2.310	1.380	13.1	20.4	18 W	4*	11*
8 4	7 32.34	+16 36.4	2.353	1.442	13.9	20.5	20 W	7*	12*
8 14	8 0.96	+15 25.2	2.392	1.507	14.9	20.7	23 W	10*	13*
8 24	8 27.62	+14 3.4	2.426	1.574	16.0	20.9	25 W	14*	15*
9 3	8 52.44	+12 34.3	2.452	1.641	17.2	21.0	29 W	18*	17*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
2202 Pele *(continuation)*									
9 13	9 15.52	+11 0.7	2.469	1.709	18.5	21.2	33 W	22*	19*
9 23	9 36.96	+ 9 25.0	2.477	1.777	19.7	21.3	37 W	26*	21*
10 3	9 56.86	+ 7 49.4	2.473	1.844	21.0	21.4	41 W	30*	24*
306787 2001 HS_8									
12 27	19 3.67	− 7 37.2	2.812	1.905	9.4	20.1	18 E	12*	—
1 6	19 28.45	− 6 31.6	2.873	1.952	8.4	20.1	17 E	9*	—
1 16	19 52.31	− 5 15.8	2.930	2.001	7.7	20.2	16 E	6*	—
1 26	20 15.20	− 3 51.1	2.982	2.050	7.4	20.3	16 W	8*	—
2 5	20 37.12	− 2 19.1	3.028	2.101	7.6	20.4	16 W	10*	—
2 15	20 58.07	− 0 41.2	3.067	2.152	8.3	20.5	18 W	12*	1*
2 25	21 18.06	+ 1 1.2	3.097	2.203	9.3	20.6	21 W	14*	6*
3 7	21 37.09	+ 2 46.8	3.119	2.255	10.5	20.7	25 W	16*	11*
3 17	21 55.18	+ 4 34.3	3.132	2.306	11.9	20.8	28 W	18*	16*
3 27	22 12.34	+ 6 22.5	3.134	2.358	13.2	20.9	33 W	20*	21*
4 6	22 28.55	+ 8 10.5	3.125	2.409	14.6	21.0	37 W	22*	26*
4 16	22 43.81	+ 9 57.2	3.106	2.460	16.0	21.1	42 W	24*	31*
4 26	22 58.08	+11 41.8	3.076	2.511	17.2	21.1	48 W	26*	35*
5 6	23 11.32	+13 23.3	3.035	2.561	18.4	21.2	53 W	29*	39*
5 16	23 23.45	+15 0.9	2.983	2.611	19.4	21.2	59 W	33*	42*
5 26	23 34.38	+16 33.6	2.922	2.660	20.2	21.3	65 W	37*	44*
6 5	23 43.98	+18 0.4	2.853	2.708	20.8	21.3	72 W	42*	45*
6 15	23 52.11	+19 20.2	2.776	2.756	21.2	21.3	78 W	48*	45
6 25	23 58.59	+20 31.4	2.694	2.803	21.2	21.2	85 W	54*	43
7 5	0 3.24	+21 32.4	2.608	2.850	20.9	21.2	93 W	60*	42
7 15	0 5.85	+22 20.9	2.522	2.895	20.1	21.1	101 W	66*	42
7 25	0 6.29	+22 54.3	2.438	2.940	19.0	21.0	110 W	68	41
8 4	0 4.47	+23 9.6	2.361	2.984	17.3	21.0	119 W	68	41
8 14	0 0.43	+23 3.8	2.295	3.028	15.3	20.9	128 W	68	41
8 24	23 54.44	+22 34.4	2.245	3.070	12.8	20.7	138 W	68	41
9 3	23 46.98	+21 40.6	2.215	3.112	10.1	20.6	147 W	67	42
9 13	23 38.71	+20 23.5	2.210	3.153	7.6	20.6	155 W	65	44
9 23	23 30.47	+18 47.8	2.232	3.193	6.2	20.5	160 E	64	45
10 3	23 23.03	+17 0.2	2.283	3.232	6.7	20.6	158 E	62	47
10 13	23 17.02	+15 8.9	2.363	3.270	8.6	20.8	151 E	60	49
10 23	23 12.89	+13 21.7	2.469	3.308	10.7	21.0	142 E	58	51
11 2	23 10.79	+11 44.6	2.599	3.345	12.8	21.2	132 E	57	52
11 12	23 10.75	+10 21.7	2.748	3.380	14.4	21.5	122 E	55	54
306715 2000 WY_{50}									
12 27	19 4.14	− 5 51.2	3.794	2.890	6.7	20.2	20 E	14*	—
1 6	19 19.44	− 5 0.1	3.853	2.932	5.9	20.2	18 E	9*	—
1 16	19 34.38	− 4 1.3	3.897	2.973	5.7	20.3	17 W	9*	—
1 26	19 48.89	− 2 55.0	3.925	3.013	6.2	20.3	19 W	13*	—
2 5	20 2.90	− 1 41.8	3.939	3.053	7.1	20.4	23 W	16*	3*
2 15	20 16.35	− 0 22.0	3.937	3.092	8.4	20.5	27 W	20*	10*
2 25	20 29.16	+ 1 3.7	3.921	3.130	9.7	20.6	32 W	22*	17*
3 7	20 41.27	+ 2 34.8	3.890	3.167	11.1	20.6	38 W	25*	23*
3 17	20 52.61	+ 4 10.6	3.846	3.203	12.4	20.7	44 W	28*	30*
3 27	21 3.09	+ 5 50.4	3.789	3.239	13.6	20.7	50 W	31*	36*
4 6	21 12.62	+ 7 33.5	3.721	3.273	14.7	20.8	56 W	34*	41*
4 16	21 21.09	+ 9 19.1	3.643	3.307	15.7	20.8	63 W	37*	45*
4 26	21 28.39	+11 6.0	3.557	3.340	16.4	20.8	69 W	41*	49*
5 6	21 34.39	+12 53.2	3.464	3.372	16.9	20.7	76 W	45*	50*
5 16	21 38.94	+14 39.3	3.367	3.403	17.2	20.7	83 W	49*	49
5 26	21 41.90	+16 22.2	3.268	3.433	17.2	20.7	91 W	54*	48
6 5	21 43.14	+18 0.0	3.171	3.462	16.9	20.6	98 W	59*	46
6 15	21 42.51	+19 29.9	3.077	3.491	16.3	20.5	106 W	64*	45
6 25	21 39.98	+20 48.5	2.991	3.519	15.4	20.5	113 W	66	43
7 5	21 35.58	+21 52.4	2.915	3.545	14.3	20.4	121 W	67	42
7 15	21 29.47	+22 37.7	2.855	3.571	13.0	20.3	128 W	68	41
7 25	21 22.00	+23 1.1	2.812	3.596	11.6	20.2	134 W	68	41
8 4	21 13.68	+23 0.8	2.789	3.621	10.5	20.2	139 W	68	41
8 14	21 5.13	+22 36.4	2.790	3.644	9.8	20.2	142 E	68	41
8 24	20 57.03	+21 50.0	2.814	3.667	9.7	20.2	142 E	67	42
8 29	20 53.35	+21 19.8	2.836	3.678	9.9	20.2	141 E	66	43
9 3	20 50.00	+20 45.7	2.863	3.688	10.2	20.3	139 E	66	43
9 8	20 47.04	+20 8.5	2.896	3.699	10.7	20.3	137 E	65	44
9 13	20 44.50	+19 28.8	2.935	3.709	11.2	20.4	134 E	64	45
9 18	20 42.44	+18 47.5	2.979	3.719	11.7	20.4	131 E	64	45
9 23	20 40.85	+18 5.3	3.027	3.729	12.3	20.5	128 E	63	46
10 3	20 39.16	+16 40.8	3.138	3.749	13.3	20.6	121 E	62	47
10 13	20 39.41	+15 19.7	3.264	3.767	14.1	20.8	113 E	60	49
10 23	20 41.51	+14 5.9	3.401	3.784	14.7	20.9	105 E	59	50
11 2	20 45.27	+13 1.7	3.546	3.801	15.0	21.0	97 E	58	50*
11 12	20 50.51	+12 8.5	3.695	3.817	15.0	21.1	90 E	57	47*
11 22	20 57.03	+11 27.3	3.844	3.832	14.8	21.2	82 E	56*	42*
12 2	21 4.62	+10 58.2	3.992	3.846	14.3	21.2	74 E	55*	36*
12 12	21 13.12	+10 41.2	4.134	3.859	13.6	21.3	67 E	53*	29*
12 22	21 22.35	+10 35.7	4.269	3.872	12.7	21.3	60 E	50*	22*
1 1	21 32.16	+10 41.1	4.394	3.884	11.7	21.4	53 E	46*	15*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
306715 2000 WY_{50} *(continuation)*									
1 11	21 42.42	+10 56.8	4.506	3.895	10.5	21.4	46 E	40*	8*
1 21	21 53.02	+11 22.0	4.605	3.905	9.4	21.4	40 E	34*	2*
219527 2001 QK_{142}									
12 27	19 4.24	−25 56.0	2.446	1.486	6.3	20.0	10 E	—	3*
1 6	19 37.92	−24 54.8	2.392	1.422	5.1	19.8	7 E	—	1*
1 16	20 12.74	−23 21.8	2.338	1.362	4.0	19.6	6 E	—	—
1 26	20 48.37	−21 15.4	2.286	1.306	3.3	19.4	4 E	—	—
2 5	21 24.51	−18 35.6	2.239	1.257	2.8	19.2	4 E	—	—
2 15	22 0.89	−15 24.1	2.200	1.215	2.5	19.1	3 E	—	—
2 25	22 37.27	−11 45.1	2.170	1.182	2.4	19.0	3 E	—	—
3 2	22 55.41	− 9 47.0	2.159	1.170	2.3	19.0	3 E	—	—
3 7	23 13.50	− 7 44.5	2.150	1.160	2.2	18.9	3 E	—	—
3 12	23 31.54	− 5 38.5	2.145	1.153	2.0	18.9	2 E	—	—
3 17	23 49.52	− 3 30.1	2.143	1.149	1.9	18.9	2 E	—	—
3 22	0 7.43	− 1 20.5	2.143	1.148	1.7	18.9	2 E	—	—
3 27	0 25.27	+ 0 49.1	2.147	1.150	1.5	18.9	2 E	—	—
4 1	0 43.05	+ 2 57.8	2.154	1.155	1.3	18.9	2 E	—	—
4 6	1 0.77	+ 5 4.3	2.163	1.163	1.1	18.9	1 E	—	—
4 11	1 18.43	+ 7 7.7	2.176	1.174	0.9	18.9	1 E	—	—
4 16	1 36.02	+ 9 6.9	2.190	1.187	0.8	18.9	1 W	—	—
4 21	1 53.54	+11 1.2	2.208	1.203	0.7	18.9	1 W	—	—
4 26	2 10.98	+12 49.8	2.228	1.222	0.7	19.0	1 W	—	—
5 6	2 45.60	+16 7.6	2.273	1.265	1.2	19.2	2 W	—	—
5 16	3 19.77	+18 56.9	2.325	1.315	2.0	19.4	3 W	—	—
5 26	3 53.32	+21 16.0	2.380	1.372	3.0	19.6	4 W	—	—
6 5	4 26.08	+23 4.9	2.438	1.433	4.2	19.8	6 W	—	—
6 15	4 57.87	+24 25.1	2.496	1.497	5.5	20.0	8 W	—	1*
6 25	5 28.50	+25 18.6	2.551	1.564	6.9	20.2	11 W	2*	2*
7 5	5 57.83	+25 48.3	2.603	1.632	8.4	20.4	14 W	5*	4*
7 15	6 25.76	+25 57.4	2.648	1.701	10.0	20.6	17 W	8*	6*
7 25	6 52.19	+25 49.2	2.687	1.771	11.6	20.8	20 W	12*	8*
8 4	7 17.11	+25 26.7	2.716	1.840	13.2	21.0	24 W	16*	10*
8 14	7 40.51	+24 53.1	2.736	1.910	14.7	21.1	29 W	20*	12*
8 24	8 2.39	+24 11.2	2.745	1.978	16.3	21.3	33 W	25*	14*
9 3	8 22.77	+23 23.5	2.742	2.046	17.7	21.4	38 W	30*	16*
9 13	8 41.67	+22 32.5	2.728	2.113	19.1	21.5	43 W	35*	18*
298737 2004 GQ_{35}									
12 27	19 4.90	−20 52.5	2.686	1.726	5.6	21.0	10 E	2*	1*
1 6	19 33.00	−19 42.8	2.722	1.749	3.7	20.9	7 E	—	—
1 16	20 0.19	−18 17.6	2.755	1.774	1.9	20.9	3 E	—	—
1 26	20 26.41	−16 39.0	2.783	1.800	1.5	20.9	3 W	—	—
2 5	20 51.61	−14 49.3	2.806	1.827	3.0	21.1	6 W	—	—
2 15	21 15.82	−12 50.7	2.824	1.856	4.9	21.2	9 W	—	2*
2 25	21 39.04	−10 45.4	2.835	1.885	6.9	21.4	13 W	2*	6*
3 7	22 1.33	− 8 35.3	2.840	1.916	8.8	21.5	17 W	4*	11*
37314 2001 QP									
12 27	19 5.41	− 2 23.1	4.342	3.460	6.4	21.1	23 E	16*	—
1 6	19 18.25	− 2 9.8	4.341	3.438	5.8	21.0	21 E	11*	—
1 16	19 31.21	− 1 47.9	4.324	3.415	5.6	21.0	20 W	11*	—
1 26	19 44.19	− 1 17.4	4.289	3.390	6.0	21.0	21 W	15*	—
2 5	19 57.10	− 0 38.9	4.238	3.365	7.0	21.0	24 W	18*	4*
2 15	20 9.87	+ 0 7.3	4.170	3.339	8.2	21.0	29 W	21*	11*
2 25	20 22.40	+ 1 0.8	4.086	3.311	9.6	21.0	34 W	24*	18*
3 7	20 34.62	+ 2 0.9	3.988	3.283	11.1	21.0	39 W	26*	25*
3 17	20 46.44	+ 3 7.1	3.877	3.254	12.5	20.9	45 W	28*	32*
3 27	20 57.77	+ 4 18.6	3.753	3.223	14.0	20.9	51 W	31*	38*
4 6	21 8.52	+ 5 34.7	3.618	3.192	15.3	20.9	57 W	33*	43*
4 16	21 18.60	+ 6 54.6	3.474	3.160	16.5	20.8	64 W	36*	48*
4 26	21 27.88	+ 8 17.2	3.322	3.126	17.6	20.7	70 W	39*	51*
5 6	21 36.23	+ 9 41.5	3.164	3.092	18.5	20.6	77 W	42*	53*
5 16	21 43.50	+11 6.2	3.001	3.056	19.2	20.5	83 W	46*	53*
5 26	21 49.50	+12 29.5	2.837	3.020	19.6	20.4	90 W	50*	52
6 5	21 54.05	+13 49.5	2.673	2.982	19.7	20.2	98 W	54*	50
6 15	21 56.91	+15 3.5	2.512	2.943	19.5	20.0	105 W	58*	49
6 25	21 57.86	+16 8.1	2.356	2.904	18.8	19.8	113 W	61*	48
7 5	21 56.71	+16 59.3	2.209	2.863	17.8	19.6	121 W	62	47
7 15	21 53.31	+17 32.0	2.073	2.821	16.4	19.4	129 W	63	46
7 20	21 50.77	+17 39.7	2.011	2.800	15.5	19.3	133 W	63	46
7 25	21 47.71	+17 40.6	1.953	2.779	14.6	19.2	136 W	63	46
7 30	21 44.15	+17 34.2	1.899	2.757	13.6	19.1	140 W	63	46
8 4	21 40.16	+17 19.9	1.851	2.735	12.7	19.0	144 W	62	47
8 14	21 31.21	+16 25.8	1.770	2.691	11.1	18.8	149 E	61	48
8 24	21 21.72	+14 57.8	1.714	2.645	10.6	18.7	151 E	60	49
9 3	21 12.69	+12 59.7	1.683	2.598	11.7	18.6	149 E	58	51

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
37314 2001 QP *(continuation)*									
9 8	21 8.67	+11 51.6	1.677	2.575	12.7	18.6	146 E	57	52
9 13	21 5.14	+10 39.2	1.678	2.551	13.9	18.7	143 E	56	53
9 18	21 2.19	+ 9 23.9	1.684	2.527	15.2	18.7	139 E	54	55
9 23	20 59.89	+ 8 7.1	1.695	2.503	16.6	18.7	134 E	53	56
9 28	20 58.29	+ 6 50.1	1.711	2.478	18.0	18.8	130 E	52	57
10 3	20 57.43	+ 5 34.2	1.732	2.454	19.4	18.8	126 E	51	58
10 8	20 57.32	+ 4 20.3	1.757	2.429	20.6	18.9	121 E	49	60
10 13	20 57.99	+ 3 9.4	1.785	2.404	21.8	18.9	117 E	48	61
10 23	21 1.54	+ 0 59.5	1.850	2.353	23.7	19.0	108 E	46	63
11 2	21 7.90	− 0 51.8	1.922	2.302	25.2	19.1	99 E	44	65*
11 12	21 16.81	− 2 22.7	1.998	2.250	26.1	19.1	91 E	43	63*
11 22	21 27.99	− 3 32.7	2.074	2.197	26.5	19.2	84 E	41	59*
12 2	21 41.15	− 4 22.5	2.148	2.145	26.6	19.2	77 E	41	53*
12 12	21 56.07	− 4 53.0	2.218	2.092	26.2	19.2	70 E	40*	47*
12 22	22 12.52	− 5 5.4	2.281	2.039	25.5	19.2	63 E	39*	41*
1 1	22 30.30	− 5 1.2	2.337	1.985	24.6	19.2	57 E	37*	35*
1 11	22 49.30	− 4 42.0	2.384	1.933	23.5	19.1	52 E	35*	30*
1 21	23 9.39	− 4 9.3	2.423	1.880	22.2	19.1	46 E	32*	26*
495552 2014 WS_{200}									
12 27	19 5.46	−29 18.6	2.785	1.830	6.0	21.2	11 E	—	5*
1 6	19 34.18	−28 17.9	2.768	1.801	4.5	21.1	8 E	—	2*
1 16	20 2.93	−26 56.8	2.747	1.773	3.6	21.0	7 E	—	—
1 26	20 31.52	−25 15.7	2.721	1.747	3.7	20.9	6 W	—	—
2 5	20 59.78	−23 15.6	2.693	1.723	4.6	20.9	8 W	—	—
2 15	21 27.61	−20 58.0	2.663	1.701	6.0	20.9	10 W	—	3*
2 25	21 54.95	−18 24.8	2.631	1.681	7.6	21.0	13 W	—	6*
3 7	22 21.75	−15 38.1	2.598	1.664	9.2	21.0	16 W	—	9*
3 17	22 48.05	−12 40.5	2.565	1.650	10.9	21.0	18 W	—	12*
3 27	23 13.87	− 9 34.4	2.531	1.639	12.6	21.0	21 W	—	15*
4 6	23 39.27	− 6 22.6	2.497	1.631	14.3	21.1	24 W	—	18*
4 16	0 4.33	− 3 7.5	2.463	1.627	15.9	21.1	26 W	1*	20*
4 26	0 29.11	+ 0 8.1	2.429	1.625	17.5	21.1	29 W	2*	23*
5 6	0 53.69	+ 3 21.9	2.395	1.627	19.1	21.1	32 W	4*	26*
5 16	1 18.14	+ 6 31.5	2.360	1.632	20.6	21.1	35 W	7*	28*
5 26	1 42.49	+ 9 34.8	2.324	1.641	22.1	21.2	37 W	10*	30*
6 5	2 6.79	+12 29.8	2.288	1.652	23.5	21.2	40 W	13*	32*
6 15	2 31.05	+15 14.9	2.249	1.667	24.8	21.2	44 W	17*	34*
6 25	2 55.22	+17 48.7	2.208	1.684	26.1	21.2	47 W	22*	34*
7 5	3 19.28	+20 10.3	2.164	1.704	27.3	21.3	50 W	27*	35*
7 15	3 43.13	+22 19.0	2.117	1.726	28.4	21.3	54 W	33*	35*
7 25	4 6.63	+24 14.6	2.067	1.750	29.4	21.3	58 W	39*	34*
8 4	4 29.64	+25 57.6	2.013	1.777	30.2	21.3	62 W	45*	34*
8 14	4 51.93	+27 28.7	1.955	1.805	30.9	21.3	66 W	51*	33*
8 24	5 13.27	+28 49.3	1.892	1.835	31.4	21.2	71 W	57*	33*
9 3	5 33.39	+30 1.3	1.826	1.865	31.7	21.2	76 W	63*	32*
9 13	5 51.94	+31 6.9	1.756	1.897	31.7	21.2	82 W	69*	32*
9 23	6 8.57	+32 9.0	1.683	1.930	31.3	21.1	88 W	75*	31*
10 3	6 22.85	+33 10.3	1.608	1.964	30.5	21.0	95 W	78*	31*
10 13	6 34.28	+34 13.7	1.534	1.998	29.2	20.9	102 W	79	30*
10 23	6 42.30	+35 21.4	1.462	2.033	27.3	20.8	110 W	80	29
11 2	6 46.35	+36 34.2	1.395	2.068	24.8	20.6	119 W	82	27
11 12	6 45.86	+37 50.4	1.337	2.102	21.6	20.5	129 W	83	26
11 17	6 43.80	+38 28.3	1.313	2.120	19.7	20.4	134 W	83	26
11 22	6 40.54	+39 4.8	1.293	2.137	17.7	20.3	139 W	84	25
11 27	6 36.12	+39 38.8	1.278	2.155	15.7	20.3	144 W	85	24
12 2	6 30.64	+40 9.0	1.267	2.172	13.5	20.2	149 W	85	24
12 7	6 24.25	+40 33.9	1.262	2.190	11.5	20.1	154 W	86	23
12 12	6 17.18	+40 52.4	1.263	2.207	9.6	20.1	158 W	86	23
12 17	6 9.71	+41 3.8	1.270	2.224	8.3	20.0	161 W	86	23
12 22	6 2.13	+41 7.6	1.284	2.241	7.7	20.0	162 W	86	23
12 27	5 54.73	+41 3.9	1.304	2.258	8.0	20.1	161 E	86	23
1 1	5 47.79	+40 53.3	1.331	2.275	9.1	20.2	159 E	86	23
1 6	5 41.55	+40 36.6	1.365	2.292	10.6	20.3	155 E	86	23
1 11	5 36.20	+40 15.1	1.404	2.309	12.3	20.5	150 E	85	24
1 16	5 31.86	+39 50.1	1.449	2.325	14.0	20.6	145 E	85	24
1 21	5 28.58	+39 22.7	1.500	2.342	15.6	20.8	140 E	84	25
369452 2010 LG_{14}									
12 27	19 5.87	−13 44.2	2.404	1.469	9.2	21.3	14 E	8*	—
1 6	19 28.45	−12 15.1	2.339	1.389	8.0	21.0	11 E	5*	—
1 16	19 52.42	−10 27.1	2.254	1.300	8.0	20.8	11 E	2*	—
1 26	20 18.19	− 8 17.1	2.150	1.199	9.1	20.6	11 W	4*	—
2 5	20 46.41	− 5 41.3	2.028	1.085	11.2	20.3	12 W	6*	—
2 15	21 18.12	− 2 35.7	1.890	0.958	13.9	20.0	13 W	7*	—
2 25	21 54.98	+ 1 2.8	1.740	0.814	16.9	19.6	14 W	8*	—
3 2	22 16.15	+ 3 4.1	1.660	0.735	18.4	19.3	14 W	8*	—
3 7	22 39.83	+ 5 11.4	1.579	0.651	20.0	19.0	13 W	7*	—
3 12	23 6.71	+ 7 20.7	1.494	0.562	21.6	18.6	12 W	5*	—
3 17	23 37.69	+ 9 22.4	1.405	0.469	24.0	18.1	11 W	3*	—

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
369452 2010 LG_{14} *(continuation)*									
3 19	23 51.45	+10 5.0	1.368	0.432	25.5	17.9	11 W	2*	—
3 21	0 6.08	+10 41.2	1.329	0.396	27.7	17.7	11 E	2*	—
3 23	0 21.60	+11 8.0	1.288	0.360	31.0	17.6	11 E	4*	—
3 25	0 37.95	+11 21.6	1.244	0.328	36.0	17.4	11 E	5*	—
3 27	0 54.93	+11 17.1	1.196	0.300	43.0	17.3	12 E	6*	—
3 28	1 3.54	+11 6.4	1.171	0.289	47.5	17.3	12 E	6*	—
3 29	1 12.14	+10 49.2	1.144	0.280	52.5	17.4	13 E	7*	—
3 30	1 20.63	+10 25.2	1.116	0.273	58.0	17.4	13 E	7*	1*
3 31	1 28.93	+ 9 53.9	1.088	0.270	63.9	17.5	14 E	7*	3*
4 1	1 36.93	+ 9 15.6	1.059	0.269	70.0	17.6	15 E	7*	4*
4 2	1 44.55	+ 8 30.5	1.030	0.271	76.1	17.8	15 E	7*	6*
4 3	1 51.72	+ 7 39.2	1.000	0.277	82.0	18.0	16 E	7*	7*
4 4	1 58.42	+ 6 42.6	0.971	0.285	87.5	18.2	17 E	6*	8*
4 5	2 4.63	+ 5 41.5	0.943	0.295	92.6	18.4	17 E	6*	9*
4 6	2 10.36	+ 4 36.9	0.915	0.307	97.1	18.6	18 E	5*	11*
4 7	2 15.66	+ 3 29.3	0.889	0.321	101.1	18.9	18 E	4*	12*
4 8	2 20.54	+ 2 19.7	0.863	0.336	104.5	19.1	19 E	3*	13*
4 9	2 25.07	+ 1 8.3	0.838	0.353	107.3	19.3	20 E	2*	13*
4 10	2 29.29	− 0 4.2	0.815	0.370	109.7	19.4	20 E	1*	14*
4 11	2 33.23	− 1 17.5	0.793	0.387	111.6	19.6	21 E	—	15*
4 12	2 36.94	− 2 31.6	0.771	0.406	113.1	19.7	22 E	—	16*
4 13	2 40.46	− 3 46.0	0.751	0.424	114.3	19.9	23 E	—	16*
4 14	2 43.82	− 5 0.8	0.732	0.442	115.1	19.9	24 E	—	17*
4 15	2 47.04	− 6 15.8	0.713	0.461	115.7	20.0	24 E	—	18*
4 16	2 50.17	− 7 31.1	0.695	0.480	116.1	20.1	25 E	—	18*
4 21	3 5.06	−13 50.5	0.617	0.572	115.3	20.1	31 E	—	21*
4 26	3 20.45	−20 18.6	0.553	0.660	111.8	20.0	38 E	—	23*
5 1	3 38.42	−27 2.7	0.498	0.744	106.8	19.7	45 E	—	26*
5 6	4 1.39	−34 8.8	0.453	0.822	100.5	19.4	53 E	—	29*
5 8	4 12.69	−37 5.6	0.438	0.852	97.8	19.3	57 E	—	31*
5 10	4 25.60	−40 5.0	0.424	0.881	94.8	19.1	60 E	—	32*
5 12	4 40.47	−43 5.6	0.412	0.910	91.7	19.0	64 E	—	34*
5 14	4 57.69	−46 4.9	0.401	0.938	88.5	18.9	68 E	—	36*
5 16	5 17.70	−48 59.3	0.392	0.965	85.2	18.8	72 E	—	38*
5 17	5 28.89	−50 23.3	0.389	0.979	83.5	18.7	74 E	—	39*
5 18	5 40.94	−51 44.1	0.386	0.992	81.8	18.7	76 E	—	41*
5 19	5 53.89	−53 0.9	0.383	1.005	80.0	18.6	78 E	—	42*
5 20	6 7.78	−54 13.0	0.381	1.018	78.3	18.6	80 E	—	43*
5 21	6 22.59	−55 19.4	0.380	1.031	76.6	18.5	82 E	—	44*
5 22	6 38.32	−56 19.1	0.379	1.043	74.8	18.5	84 E	—	45*
5 23	6 54.91	−57 11.3	0.378	1.056	73.1	18.5	86 E	—	47*
5 24	7 12.25	−57 55.1	0.379	1.068	71.4	18.4	88 E	—	48*
5 25	7 30.22	−58 29.9	0.379	1.080	69.7	18.4	90 E	—	49*
5 26	7 48.64	−58 55.2	0.381	1.092	68.0	18.4	92 E	—	50*
5 27	8 7.30	−59 10.7	0.383	1.104	66.4	18.4	93 E	—	51*
5 28	8 25.98	−59 16.3	0.386	1.116	64.8	18.4	95 E	—	53*
5 29	8 44.46	−59 12.3	0.389	1.127	63.2	18.4	97 E	—	54*
5 30	9 2.53	−58 59.2	0.393	1.139	61.7	18.4	98 E	—	55*
5 31	9 20.01	−58 37.6	0.397	1.150	60.3	18.4	100 E	—	56*
6 1	9 36.77	−58 8.4	0.402	1.161	58.9	18.4	101 E	—	57*
6 2	9 52.70	−57 32.6	0.407	1.172	57.6	18.4	103 E	—	58*
6 3	10 7.74	−56 51.0	0.413	1.183	56.4	18.4	104 E	—	59*
6 4	10 21.86	−56 4.7	0.420	1.194	55.2	18.4	105 E	—	60*
6 5	10 35.07	−55 14.5	0.427	1.205	54.0	18.4	106 E	—	61
6 6	10 47.39	−54 21.4	0.435	1.215	53.0	18.5	107 E	—	62
6 7	10 58.87	−53 26.0	0.443	1.226	52.0	18.5	108 E	—	63
6 8	11 9.54	−52 29.1	0.451	1.236	51.1	18.5	109 E	—	64
6 9	11 19.47	−51 31.3	0.460	1.246	50.2	18.6	109 E	—	64
6 10	11 28.71	−50 33.1	0.469	1.256	49.4	18.6	110 E	—	65
6 11	11 37.32	−49 34.8	0.479	1.266	48.6	18.6	111 E	—	66
6 12	11 45.35	−48 37.0	0.489	1.276	47.9	18.7	111 E	—	67
6 13	11 52.86	−47 39.7	0.500	1.286	47.3	18.7	112 E	—	68
6 14	11 59.88	−46 43.4	0.510	1.295	46.7	18.8	112 E	—	69
6 15	12 6.46	−45 48.1	0.522	1.305	46.2	18.8	112 E	—	70
6 17	12 18.47	−44 1.4	0.545	1.323	45.2	18.9	112 E	—	72
6 19	12 29.16	−42 20.3	0.569	1.342	44.4	19.0	113 E	—	74
6 21	12 38.75	−40 45.2	0.595	1.359	43.7	19.1	112 E	1*	75
6 23	12 47.44	−39 16.2	0.621	1.377	43.1	19.2	112 E	2*	77
6 25	12 55.36	−37 53.1	0.648	1.394	42.6	19.3	112 E	4*	78
6 27	13 2.64	−36 35.9	0.676	1.410	42.2	19.4	111 E	5*	79
6 29	13 9.38	−35 24.1	0.705	1.426	41.8	19.5	111 E	6*	81
7 1	13 15.66	−34 17.5	0.734	1.442	41.5	19.6	110 E	7*	82
7 3	13 21.55	−33 15.8	0.764	1.458	41.2	19.7	109 E	8*	83
7 5	13 27.10	−32 18.7	0.794	1.473	41.0	19.8	108 E	9*	84
7 10	13 39.83	−30 13.7	0.872	1.508	40.4	20.1	106 E	10*	86
7 15	13 51.29	−28 30.7	0.952	1.542	39.9	20.3	103 E	12*	87
7 20	14 1.86	−27 5.9	1.034	1.574	39.5	20.5	100 E	12*	89
7 25	14 11.78	−25 55.9	1.117	1.603	38.9	20.7	97 E	13*	90

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
369452 2010 LG_{14} *(continuation)*									
7 30	14 21.23	−24 58.2	1.200	1.630	38.4	20.9	94 E	14*	88*
8 4	14 30.33	−24 10.5	1.284	1.656	37.8	21.1	91 E	14*	85*
8 9	14 39.19	−23 31.2	1.367	1.679	37.1	21.2	88 E	14*	82*
8 14	14 47.88	−22 58.9	1.451	1.700	36.4	21.3	85 E	15*	79*
8 19	14 56.45	−22 32.3	1.533	1.720	35.7	21.5	82 E	15*	76*
100438 1996 PC_3									
12 27	19 6.19	−36 49.0	4.134	3.202	5.0	21.3	16 E	—	9*
1 6	19 23.02	−35 56.2	4.124	3.177	4.2	21.3	14 E	—	4*
1 16	19 39.74	−34 59.8	4.096	3.152	4.4	21.2	14 W	—	3*
1 26	19 56.27	−33 59.9	4.052	3.126	5.4	21.3	17 W	—	8*
2 5	20 12.51	−32 56.6	3.991	3.099	6.8	21.3	22 W	—	14*
2 15	20 28.41	−31 50.4	3.915	3.071	8.5	21.3	27 W	—	20*
2 25	20 43.88	−30 41.4	3.823	3.042	10.2	21.3	33 W	—	26*
3 7	20 58.85	−29 30.4	3.716	3.013	12.0	21.3	39 W	—	32*
3 17	21 13.28	−28 17.7	3.597	2.983	13.7	21.2	45 W	—	38*
3 27	21 27.07	−27 4.1	3.465	2.951	15.4	21.2	52 W	1*	44*
4 6	21 40.16	−25 50.2	3.323	2.920	16.9	21.1	58 W	3*	51*
4 16	21 52.47	−24 36.7	3.171	2.887	18.3	21.1	65 W	5*	58*
4 26	22 3.87	−23 24.4	3.012	2.853	19.5	21.0	71 W	8*	65*
5 6	22 14.25	−22 14.1	2.848	2.819	20.5	20.8	78 W	10*	72*
5 16	22 23.46	−21 6.6	2.679	2.784	21.2	20.7	85 W	13*	79*
5 26	22 31.29	−20 2.6	2.509	2.748	21.6	20.5	93 W	16*	84*
6 5	22 37.51	−19 2.8	2.340	2.712	21.6	20.4	100 W	20*	83
6 15	22 41.83	−18 7.9	2.173	2.675	21.1	20.2	108 W	23*	82
6 25	22 43.90	−17 18.3	2.013	2.637	20.1	19.9	117 W	26*	81
7 5	22 43.39	−16 34.0	1.863	2.599	18.3	19.7	126 W	28*	81
7 15	22 39.92	−15 54.3	1.725	2.560	15.9	19.4	136 W	29	80
7 25	22 33.28	−15 17.9	1.605	2.520	12.6	19.1	147 W	30	79
8 4	22 23.51	−14 42.3	1.507	2.480	8.5	18.7	159 W	30	79
8 14	22 11.05	−14 4.4	1.434	2.440	3.7	18.4	171 W	31	78
8 19	22 4.12	−13 43.5	1.408	2.420	1.2	18.1	177 W	31	78
8 24	21 56.94	−13 21.0	1.390	2.399	1.7	18.1	176 E	32	77
8 29	21 49.69	−12 56.6	1.378	2.379	4.4	18.3	170 E	32	77
9 3	21 42.57	−12 30.2	1.374	2.358	7.1	18.4	163 E	32	77
9 13	21 29.53	−11 31.8	1.387	2.317	12.3	18.6	151 E	33	76
9 23	21 19.13	−10 26.4	1.423	2.276	16.9	18.7	139 E	35	74
10 3	21 12.14	− 9 15.8	1.478	2.234	20.8	18.9	128 E	36	73
10 13	21 8.87	− 8 0.5	1.547	2.193	23.8	19.1	117 E	37	72
10 23	21 9.23	− 6 40.7	1.626	2.152	26.1	19.2	108 E	38	71
11 2	21 12.87	− 5 15.8	1.708	2.111	27.6	19.3	99 E	40	69*
11 12	21 19.43	− 3 44.7	1.792	2.070	28.6	19.4	92 E	41	64*
11 22	21 28.52	− 2 6.4	1.874	2.030	29.0	19.5	84 E	43	58*
12 2	21 39.78	− 0 20.0	1.953	1.991	28.9	19.5	78 E	45	50*
12 12	21 52.93	+ 1 35.3	2.026	1.953	28.6	19.5	72 E	46*	42*
12 22	22 7.73	+ 3 40.1	2.092	1.917	28.0	19.6	66 E	47*	35*
1 1	22 24.02	+ 5 54.4	2.152	1.881	27.2	19.6	61 E	47*	28*
1 11	22 41.69	+ 8 18.2	2.204	1.848	26.2	19.5	56 E	46*	22*
1 21	23 0.67	+10 50.7	2.250	1.816	25.2	19.5	52 E	44*	17*
21104 Sveshnikov									
12 27	19 6.90	−28 42.6	3.310	2.353	4.6	18.7	11 E	—	5*
1 6	19 27.81	−27 24.4	3.293	2.320	2.8	18.5	7 E	—	—
1 16	19 48.67	−25 55.7	3.264	2.286	2.1	18.4	5 W	—	—
1 26	20 9.40	−24 16.5	3.223	2.252	3.4	18.4	8 W	—	2*
2 5	20 29.95	−22 26.5	3.171	2.217	5.4	18.5	12 W	—	6*
2 15	20 50.29	−20 25.8	3.107	2.182	7.6	18.5	17 W	—	11*
2 25	21 10.39	−18 14.6	3.035	2.147	9.9	18.5	22 W	1*	16*
3 7	21 30.23	−15 52.8	2.953	2.113	12.1	18.5	27 W	3*	21*
3 17	21 49.83	−13 20.8	2.864	2.078	14.4	18.5	31 W	6*	25*
3 27	22 9.20	−10 38.6	2.768	2.043	16.6	18.4	36 W	8*	30*
4 6	22 28.38	− 7 46.5	2.666	2.009	18.8	18.4	40 W	10*	34*
4 16	22 47.42	− 4 44.6	2.560	1.975	20.9	18.3	45 W	13*	38*
4 26	23 6.36	− 1 33.1	2.452	1.942	22.9	18.3	49 W	15*	42*
5 6	23 25.26	+ 1 47.8	2.341	1.909	24.9	18.2	53 W	19*	45*
5 16	23 44.22	+ 5 17.9	2.230	1.878	26.8	18.1	57 W	22*	47*
5 26	0 3.28	+ 8 56.7	2.119	1.848	28.6	18.0	61 W	27*	48*
6 5	0 22.57	+12 43.7	2.010	1.819	30.2	17.9	64 W	32*	47*
6 15	0 42.16	+16 38.3	1.904	1.791	31.7	17.8	68 W	37*	46*
6 25	1 2.16	+20 39.2	1.801	1.766	33.1	17.7	72 W	44*	43*
7 5	1 22.69	+24 45.1	1.702	1.742	34.3	17.6	75 W	51*	39*
7 10	1 33.18	+26 49.2	1.655	1.731	34.9	17.5	77 W	54*	37
7 15	1 43.83	+28 53.8	1.609	1.721	35.4	17.5	78 W	58*	35
7 20	1 54.65	+30 58.5	1.564	1.711	35.8	17.4	80 W	62*	33
7 25	2 5.67	+33 2.9	1.520	1.702	36.2	17.3	82 W	65*	31
7 30	2 16.88	+35 6.7	1.478	1.693	36.6	17.3	83 W	69*	29
8 4	2 28.29	+37 9.5	1.438	1.685	36.9	17.2	85 W	72*	27
8 9	2 39.89	+39 10.8	1.398	1.678	37.1	17.2	87 W	76*	25
8 14	2 51.67	+41 10.1	1.360	1.672	37.3	17.1	88 W	79*	23
8 19	3 3.62	+43 6.8	1.324	1.666	37.4	17.0	90 W	83*	21

21104 Sveshnikov *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
8 24	3 15.71	+45 0.7	1.289	1.661	37.5	17.0	92 W	85*	19
8 29	3 27.91	+46 51.3	1.255	1.657	37.5	16.9	93 W	87*	17
9 3	3 40.16	+48 38.2	1.222	1.653	37.4	16.8	95 W	86	15
9 8	3 52.38	+50 20.9	1.191	1.651	37.3	16.8	97 W	85	14
9 13	4 4.48	+51 59.0	1.160	1.649	37.1	16.7	99 W	83	12
9 18	4 16.36	+53 32.3	1.131	1.648	36.8	16.6	101 W	81	10
9 23	4 27.88	+55 0.6	1.102	1.648	36.4	16.6	103 W	80	9
9 28	4 38.89	+56 23.6	1.075	1.648	36.0	16.5	105 W	79	8
10 3	4 49.17	+57 41.3	1.049	1.650	35.4	16.4	107 W	77	6
10 8	4 58.51	+58 53.3	1.023	1.652	34.8	16.4	110 W	76	5
10 13	5 6.68	+59 59.4	0.999	1.655	34.0	16.3	112 W	75	4
10 18	5 13.43	+60 59.2	0.976	1.659	33.1	16.2	114 W	74	3
10 23	5 18.52	+61 52.3	0.954	1.663	32.2	16.2	117 W	73	2
10 28	5 21.73	+62 37.9	0.934	1.669	31.1	16.1	120 W	72	1
11 2	5 22.83	+63 14.8	0.915	1.675	29.9	16.0	123 W	72	1
11 7	5 21.70	+63 41.5	0.898	1.682	28.6	16.0	126 W	71	—
11 12	5 18.40	+63 56.0	0.883	1.689	27.2	15.9	129 W	71	—
11 17	5 13.14	+63 56.5	0.871	1.697	25.8	15.8	132 W	71	—
11 22	5 6.30	+63 41.0	0.862	1.706	24.4	15.8	134 W	71	—
11 24	5 3.23	+63 30.0	0.859	1.710	23.8	15.8	136 W	72	1
11 26	5 0.03	+63 16.2	0.856	1.714	23.3	15.7	137 W	72	1
11 28	4 56.74	+62 59.4	0.855	1.718	22.8	15.7	138 W	72	1
11 30	4 53.41	+62 39.7	0.853	1.722	22.3	15.7	139 W	72	1
12 2	4 50.08	+62 17.0	0.853	1.726	21.8	15.7	140 W	73	2
12 4	4 46.80	+61 51.4	0.853	1.730	21.3	15.7	140 W	73	2
12 6	4 43.59	+61 23.0	0.853	1.734	20.9	15.7	141 E	74	3
12 8	4 40.51	+60 51.9	0.855	1.739	20.6	15.7	142 E	74	3
12 10	4 37.58	+60 18.2	0.857	1.743	20.3	15.7	142 E	75	4
12 12	4 34.84	+59 42.0	0.860	1.748	20.0	15.7	143 E	75	4
12 17	4 28.93	+58 2.2	0.870	1.759	19.6	15.7	143 E	77	6
12 22	4 24.53	+56 11.4	0.885	1.772	19.6	15.8	143 E	79	8
12 27	4 21.71	+54 13.1	0.905	1.785	19.9	15.8	142 E	81	10
1 1	4 20.43	+52 10.7	0.930	1.798	20.6	15.9	140 E	83	12
1 6	4 20.63	+50 7.1	0.960	1.811	21.5	16.0	138 E	85	14
1 11	4 22.17	+48 5.3	0.995	1.826	22.5	16.2	135 E	87	16
1 16	4 24.89	+46 7.2	1.034	1.840	23.6	16.3	132 E	89	18
1 21	4 28.62	+44 14.3	1.077	1.855	24.6	16.4	128 E	89	20

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20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 27	19 7.37	−20 24.1	2.445	1.489	7.0	19.8	11 E	3*	1*
1 6	19 35.87	−21 4.3	2.501	1.529	4.3	19.8	7 E	—	—
1 16	20 3.65	−21 25.1	2.548	1.567	1.9	19.7	3 E	—	—
1 26	20 30.72	−21 28.9	2.584	1.602	1.7	19.8	3 W	—	—
2 5	20 57.11	−21 18.4	2.609	1.634	4.0	20.0	7 W	—	—
2 15	21 22.88	−20 55.9	2.621	1.663	6.5	20.2	11 W	—	4*
2 25	21 48.06	−20 23.7	2.622	1.689	9.0	20.3	15 W	—	9*
3 7	22 12.73	−19 44.1	2.611	1.712	11.4	20.5	20 W	—	13*
3 17	22 36.95	−18 59.0	2.588	1.732	13.8	20.5	24 W	—	17*
3 27	23 0.79	−18 10.5	2.554	1.749	16.0	20.6	29 W	—	21*
4 6	23 24.32	−17 20.4	2.510	1.763	18.2	20.7	33 W	—	25*
4 16	23 47.63	−16 30.6	2.457	1.774	20.3	20.7	38 W	—	30*
4 26	0 10.76	−15 43.0	2.396	1.782	22.2	20.7	42 W	—	34*
5 6	0 33.80	−14 59.2	2.327	1.786	24.1	20.7	46 W	—	38*
5 16	0 56.80	−14 21.0	2.252	1.788	25.9	20.7	51 W	—	43*
5 26	1 19.80	−13 50.3	2.171	1.787	27.5	20.7	55 W	—	47*
6 5	1 42.85	−13 28.5	2.087	1.783	29.1	20.6	59 W	—	52*
6 15	2 5.95	−13 17.5	1.999	1.776	30.5	20.6	62 W	1*	56*
6 25	2 29.10	−13 18.9	1.909	1.765	31.8	20.5	66 W	4*	60*
7 5	2 52.29	−13 34.1	1.819	1.752	33.0	20.4	70 W	7*	64*
7 15	3 15.47	−14 4.6	1.728	1.736	34.1	20.3	73 W	11*	67*
7 25	3 38.56	−14 51.3	1.637	1.716	35.2	20.2	77 W	14*	70*
8 4	4 1.48	−15 55.0	1.547	1.694	36.1	20.1	80 W	17*	73*
8 14	4 24.11	−17 16.1	1.459	1.668	37.0	19.9	83 W	19*	76*
8 24	4 46.30	−18 54.4	1.373	1.640	37.9	19.8	86 W	21*	78*
9 3	5 7.92	−20 49.2	1.288	1.608	38.8	19.6	88 W	21*	81*
9 8	5 18.45	−21 52.4	1.246	1.592	39.3	19.5	89 W	21*	82*
9 13	5 28.77	−22 59.3	1.204	1.574	39.7	19.5	90 W	21*	84*
9 18	5 38.84	−24 9.5	1.163	1.556	40.2	19.4	91 W	20*	85*
9 23	5 48.66	−25 22.8	1.122	1.537	40.7	19.3	92 W	19*	86*
9 28	5 58.20	−26 38.8	1.081	1.518	41.2	19.2	93 W	18*	87*
10 3	6 7.42	−27 57.4	1.039	1.497	41.8	19.1	94 W	17	88*
10 8	6 16.29	−29 18.1	0.998	1.476	42.4	19.0	95 W	16	87*
10 13	6 24.78	−30 40.4	0.957	1.455	43.0	18.9	96 W	14	85
10 18	6 32.87	−32 3.8	0.915	1.433	43.7	18.8	97 W	13	84
10 23	6 40.53	−33 28.0	0.874	1.410	44.4	18.7	98 W	12	83
10 28	6 47.74	−34 52.6	0.831	1.387	45.1	18.5	99 W	10	81
11 2	6 54.44	−36 17.1	0.788	1.363	45.9	18.4	99 W	9	80
11 7	7 0.58	−37 41.0	0.744	1.339	46.8	18.3	100 W	7	78
11 12	7 6.14	−39 3.4	0.700	1.314	47.8	18.1	101 W	6	77
11 17	7 11.10	−40 23.7	0.655	1.289	48.8	18.0	101 W	5	76

7482 1994 PC_1 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
11 22	7 15.41	−41 41.6	0.608	1.264	49.9	17.8	102 W	3	74
11 27	7 19.02	−42 56.4	0.561	1.238	51.0	17.6	103 W	2	73
12 2	7 21.87	−44 7.5	0.513	1.212	52.3	17.4	103 W	1	72
12 7	7 23.89	−45 13.8	0.463	1.186	53.6	17.2	104 W	—	71
12 12	7 25.03	−46 14.4	0.413	1.161	55.1	16.9	105 W	—	70
12 17	7 25.20	−47 8.4	0.361	1.135	56.7	16.6	105 W	—	69
12 22	7 24.25	−47 55.2	0.309	1.110	58.3	16.3	106 W	—	68
12 27	7 21.80	−48 33.6	0.255	1.085	60.1	15.9	107 W	—	67
1 1	7 17.09	−49 1.2	0.201	1.061	62.0	15.4	108 W	—	67
1 3	7 14.21	−49 8.2	0.179	1.052	62.9	15.1	108 W	—	67
1 5	7 10.47	−49 11.8	0.157	1.043	63.7	14.8	108 W	—	67
1 7	7 5.49	−49 11.1	0.134	1.034	64.5	14.5	108 E	—	67
1 9	6 58.58	−49 3.6	0.112	1.025	65.4	14.1	109 E	—	67
1 11	6 48.43	−48 44.5	0.090	1.016	66.4	13.6	109 E	—	67
1 12	6 41.35	−48 27.2	0.079	1.012	66.9	13.4	109 E	—	68
1 13	6 32.11	−48 0.6	0.068	1.008	67.4	13.1	109 E	—	68
1 14	6 19.62	−47 18.1	0.057	1.003	68.0	12.7	109 E	—	69
1 15	6 1.89	−46 5.5	0.046	0.999	68.8	12.2	109 E	—	70
1 16	5 35.12	−43 47.3	0.035	0.995	69.9	11.7	108 E	1	72
1 17	4 51.74	−38 40.9	0.025	0.991	71.9	11.0	107 E	6	77
1 18	3 37.90	−25 7.6	0.017	0.987	77.1	10.3	102 E	20	89
1 19	1 44.69	+ 6 50.5	0.013	0.984	91.0	10.3	88 E	52	51*
1 20	23 48.85	+34 40.0	0.018	0.980	102.9	11.5	76 E	70*	12*

60216 1999 VG_{82}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 27	19 7.46	−19 51.5	2.595	1.639	6.4	20.0	11 E	3*	1*
1 6	19 37.51	−18 49.4	2.596	1.628	4.8	19.9	8 E	1*	—
1 16	20 7.38	−17 27.3	2.597	1.620	3.2	19.8	5 E	—	—
1 26	20 36.88	−15 46.8	2.598	1.615	1.9	19.7	3 E	—	—
2 5	21 5.88	−13 50.2	2.598	1.614	1.8	19.7	3 W	—	—
2 15	21 34.28	−11 39.9	2.599	1.617	3.0	19.8	5 W	—	—
2 25	22 2.04	− 9 18.8	2.600	1.623	4.5	19.9	7 W	—	1*
3 7	22 29.12	− 6 50.0	2.600	1.633	6.2	20.0	10 W	—	4*
3 17	22 55.57	− 4 16.4	2.600	1.646	7.8	20.1	13 W	1*	7*
3 27	23 21.39	− 1 40.8	2.599	1.662	9.5	20.2	16 W	2*	10*
4 6	23 46.63	+ 0 54.0	2.596	1.681	11.1	20.3	19 W	3*	13*
4 16	0 11.35	+ 3 25.8	2.591	1.703	12.8	20.4	22 W	4*	16*
4 26	0 35.57	+ 5 52.2	2.583	1.728	14.4	20.5	25 W	5*	19*
5 6	0 59.33	+ 8 11.5	2.572	1.754	16.0	20.5	29 W	7*	22*
5 16	1 22.64	+10 22.2	2.556	1.783	17.6	20.6	32 W	9*	25*
5 26	1 45.50	+12 22.8	2.536	1.814	19.1	20.7	36 W	11*	28*
6 5	2 7.89	+14 12.3	2.510	1.846	20.5	20.7	40 W	14*	31*
6 15	2 29.75	+15 50.2	2.478	1.879	21.9	20.8	44 W	18*	33*
6 25	2 51.02	+17 15.6	2.439	1.913	23.2	20.8	48 W	22*	35*
7 5	3 11.60	+18 28.6	2.394	1.949	24.4	20.9	52 W	27*	37*
7 15	3 31.36	+19 29.1	2.342	1.984	25.5	20.9	57 W	33*	39*
7 25	3 50.13	+20 17.3	2.283	2.021	26.4	20.9	62 W	39*	40*
8 4	4 7.76	+20 53.7	2.218	2.058	27.1	20.9	68 W	45*	41*
8 14	4 24.02	+21 18.9	2.146	2.095	27.6	20.9	73 W	52*	41*
8 24	4 38.64	+21 33.7	2.068	2.132	27.8	20.9	80 W	58*	42*
9 3	4 51.37	+21 39.3	1.986	2.169	27.7	20.8	86 W	63*	42*
9 13	5 1.86	+21 36.5	1.901	2.206	27.1	20.7	94 W	66*	42
9 23	5 9.76	+21 26.5	1.815	2.243	26.0	20.6	102 W	66	43
10 3	5 14.72	+21 10.3	1.731	2.279	24.3	20.5	110 W	66	43
10 13	5 16.39	+20 48.7	1.652	2.316	22.0	20.4	120 W	66	43
10 23	5 14.56	+20 22.3	1.584	2.351	18.9	20.2	130 W	65	44
11 2	5 9.24	+19 51.5	1.529	2.386	15.1	20.0	141 W	65	44
11 12	5 0.81	+19 17.0	1.495	2.421	10.6	19.9	153 W	64	45
11 17	4 55.69	+18 58.8	1.487	2.438	8.2	19.8	159 W	64	45
11 22	4 50.16	+18 40.2	1.485	2.455	5.7	19.7	166 W	64	45
11 27	4 44.38	+18 21.5	1.491	2.471	3.3	19.6	172 W	63	46
12 2	4 38.53	+18 3.3	1.503	2.488	1.6	19.5	176 W	63	46
12 7	4 32.78	+17 45.8	1.523	2.504	2.7	19.6	173 E	63	46
12 12	4 27.33	+17 29.7	1.550	2.520	4.9	19.8	167 E	62	47
12 17	4 22.32	+17 15.3	1.585	2.536	7.2	19.9	161 E	62	47
12 22	4 17.87	+17 3.0	1.626	2.552	9.3	20.1	155 E	62	47
12 27	4 14.07	+16 53.0	1.673	2.568	11.3	20.3	149 E	62	47
1 1	4 10.97	+16 45.7	1.726	2.583	13.1	20.4	143 E	62	47
1 6	4 8.63	+16 40.9	1.784	2.598	14.7	20.6	138 E	62	47
1 11	4 7.05	+16 38.9	1.847	2.613	16.1	20.7	132 E	62	47
1 16	4 6.23	+16 39.4	1.915	2.628	17.4	20.8	127 E	62	47
1 21	4 6.14	+16 42.2	1.985	2.643	18.4	20.9	122 E	62	47

129813 1999 NJ

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 27	19 7.50	−23 2.8	2.620	1.661	6.0	20.5	10 E	1*	3*
1 6	19 37.98	−22 24.8	2.627	1.655	4.2	20.4	7 E	—	—
1 16	20 8.25	−21 25.6	2.632	1.652	2.4	20.3	4 E	—	—
1 26	20 38.08	−20 6.7	2.637	1.653	1.0	20.2	2 E	—	—
2 5	21 7.31	−18 30.5	2.641	1.657	1.8	20.2	3 W	—	—
2 15	21 35.83	−16 39.5	2.643	1.664	3.5	20.4	6 W	—	—

129813 1999 *NJ* *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
2 25	22 3.56	−14 36.5	2.645	1.674	5.2	20.5	9 W	—	3*
3 7	22 30.48	−12 24.5	2.645	1.687	7.0	20.6	12 W	—	6*
3 17	22 56.61	−10 6.5	2.643	1.703	8.8	20.7	15 W	—	9*
3 27	23 21.96	− 7 45.2	2.639	1.721	10.5	20.8	18 W	—	12*
4 6	23 46.57	− 5 23.3	2.632	1.742	12.2	20.8	22 W	—	15*
4 16	0 10.51	− 3 3.0	2.622	1.765	13.9	20.9	25 W	—	19*
4 26	0 33.80	− 0 46.6	2.608	1.789	15.6	21.0	29 W	1*	22*
5 6	0 56.49	+ 1 24.3	2.590	1.816	17.2	21.1	32 W	2*	26*
5 16	1 18.59	+ 3 28.1	2.566	1.845	18.7	21.1	36 W	5*	30*
5 26	1 40.09	+ 5 23.4	2.538	1.874	20.2	21.2	40 W	7*	33*
6 5	2 1.01	+ 7 9.3	2.503	1.905	21.6	21.2	44 W	10*	37*
6 15	2 21.28	+ 8 44.9	2.462	1.937	23.0	21.3	48 W	14*	40*
6 25	2 40.84	+10 9.6	2.415	1.970	24.2	21.3	53 W	19*	42*
7 5	2 59.61	+11 23.2	2.361	2.003	25.3	21.3	57 W	25*	45*
7 15	3 17.47	+12 25.4	2.300	2.037	26.2	21.3	62 W	31*	46*
7 25	3 34.26	+13 16.4	2.233	2.071	27.0	21.3	68 W	37*	48*
8 4	3 49.80	+13 56.4	2.159	2.106	27.5	21.3	73 W	43*	48*
8 14	4 3.86	+14 25.9	2.081	2.140	27.7	21.3	79 W	49*	49*
8 24	4 16.18	+14 45.7	1.998	2.175	27.6	21.2	86 W	55*	49*
9 3	4 26.47	+14 56.5	1.912	2.209	27.1	21.1	93 W	58*	49
9 13	4 34.37	+14 59.2	1.825	2.244	26.1	21.0	101 W	60*	49
9 23	4 39.52	+14 55.2	1.740	2.278	24.6	20.9	109 W	60	49
10 3	4 41.60	+14 45.6	1.659	2.311	22.4	20.8	119 W	60	49
10 13	4 40.32	+14 31.6	1.588	2.344	19.4	20.6	129 W	60	49
10 23	4 35.64	+14 14.9	1.531	2.377	15.8	20.5	139 W	59	50
11 2	4 27.84	+13 57.0	1.492	2.409	11.5	20.3	151 W	59	50
11 12	4 17.61	+13 40.0	1.477	2.441	6.9	20.1	163 W	59	50
11 17	4 11.95	+13 32.6	1.480	2.456	4.7	20.0	168 W	59	50
11 22	4 6.15	+13 26.3	1.490	2.472	3.1	19.9	172 W	58	51
11 27	4 0.37	+13 21.5	1.506	2.487	3.2	20.0	172 E	58	51
12 2	3 54.79	+13 18.5	1.530	2.502	4.8	20.1	168 E	58	51
12 12	3 44.84	+13 19.0	1.599	2.532	9.0	20.4	156 E	58	51
12 22	3 37.29	+13 29.2	1.693	2.561	12.8	20.7	145 E	58	51
1 1	3 32.59	+13 49.3	1.810	2.589	15.9	21.0	134 E	59	50
1 11	3 30.89	+14 18.5	1.943	2.616	18.3	21.3	123 E	59	50

164220 2004 QW_{16}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 27	19 7.50	− 4 33.0	2.709	1.830	11.4	20.5	22 E	15*	—
1 6	19 32.68	− 4 13.9	2.693	1.795	10.4	20.4	19 E	12*	—
1 16	19 58.40	− 3 41.1	2.673	1.759	9.6	20.3	17 E	8*	—
1 26	20 24.59	− 2 55.2	2.648	1.723	9.1	20.2	16 W	7*	—
2 5	20 51.18	− 1 57.2	2.620	1.688	8.8	20.1	15 W	8*	—
2 15	21 18.14	− 0 48.4	2.589	1.654	8.8	20.1	15 W	9*	—
2 25	21 45.44	+ 0 29.5	2.556	1.621	9.2	20.0	15 W	9*	—
3 7	22 13.08	+ 1 54.4	2.520	1.589	9.9	20.0	16 W	9*	3*
3 17	22 41.08	+ 3 24.1	2.483	1.559	10.8	19.9	17 W	9*	7*
3 27	23 9.45	+ 4 56.0	2.444	1.531	11.9	19.9	18 W	9*	9*
4 6	23 38.24	+ 6 27.5	2.404	1.505	13.3	19.9	20 W	8*	12*
4 16	0 7.49	+ 7 55.7	2.363	1.481	14.7	19.8	22 W	8*	14*
4 26	0 37.22	+ 9 17.6	2.322	1.461	16.2	19.8	24 W	7*	17*
5 6	1 7.45	+10 30.5	2.281	1.444	17.8	19.8	26 W	7*	19*
5 16	1 38.18	+11 31.4	2.240	1.431	19.5	19.8	28 W	7*	21*
5 26	2 9.35	+12 17.6	2.200	1.421	21.1	19.8	30 W	7*	23*
6 5	2 40.88	+12 46.7	2.161	1.415	22.7	19.8	33 W	7*	26*
6 15	3 12.64	+12 56.5	2.123	1.414	24.2	19.8	35 W	8*	28*
6 25	3 44.44	+12 45.5	2.087	1.416	25.7	19.8	37 W	10*	30*
7 5	4 16.08	+12 13.0	2.053	1.423	27.0	19.8	39 W	12*	32*
7 15	4 47.32	+11 18.7	2.021	1.434	28.2	19.9	42 W	14*	33*
7 25	5 17.92	+10 3.4	1.991	1.448	29.3	19.9	44 W	17*	35*
8 4	5 47.68	+ 8 28.4	1.964	1.466	30.2	19.9	47 W	20*	37*
8 14	6 16.40	+ 6 35.7	1.937	1.487	31.0	19.9	49 W	22*	39*
8 24	6 43.90	+ 4 27.8	1.912	1.511	31.7	20.0	52 W	25*	41*
9 3	7 10.07	+ 2 7.4	1.887	1.538	32.3	20.0	54 W	27*	43*
9 13	7 34.81	− 0 22.9	1.861	1.567	32.7	20.0	57 W	30*	46*
9 23	7 58.03	− 3 0.1	1.833	1.597	33.1	20.0	60 W	31*	48*
10 3	8 19.67	− 5 41.9	1.802	1.630	33.4	20.0	64 W	32*	51*
10 13	8 39.65	− 8 25.7	1.768	1.663	33.6	20.0	67 W	33*	55*
10 23	8 57.87	−11 9.2	1.730	1.697	33.7	20.0	71 W	32*	58*
11 2	9 14.21	−13 50.1	1.687	1.733	33.7	20.0	76 W	31*	63*
11 12	9 28.47	−16 26.2	1.639	1.768	33.5	20.0	80 W	29	68*
11 22	9 40.43	−18 54.5	1.586	1.804	33.1	20.0	86 W	26	74*
11 27	9 45.47	−20 4.8	1.558	1.822	32.8	19.9	88 W	25	78*
12 2	9 49.82	−21 11.9	1.529	1.840	32.4	19.9	91 W	24	81*
12 7	9 53.42	−22 15.2	1.500	1.857	31.9	19.9	94 W	23	85*
12 12	9 56.25	−23 14.0	1.470	1.875	31.4	19.8	98 W	22	87
12 17	9 58.25	−24 7.6	1.440	1.893	30.7	19.8	101 W	21	88
12 22	9 59.40	−24 55.1	1.409	1.911	29.9	19.7	105 W	20	89
12 27	9 59.65	−25 35.5	1.380	1.928	29.0	19.7	108 W	19	90
1 1	9 58.97	−26 7.8	1.351	1.945	28.0	19.6	112 W	19	90
1 6	9 57.36	−26 30.7	1.323	1.963	26.8	19.6	116 W	18	89

164220 2004 QW_{16} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
1 11	9 54.85	−26 43.0	1.297	1.980	25.5	19.5	120 W	18	89
1 16	9 51.49	−26 43.3	1.274	1.997	24.1	19.5	124 W	18	89
1 21	9 47.38	−26 30.8	1.253	2.014	22.7	19.4	128 W	18	89

335071 2004 RB_{290}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 27	19 7.85	−26 30.0	3.460	2.500	4.1	21.4	11 E	—	4*
1 6	19 28.03	−25 51.8	3.432	2.456	2.3	21.2	6 E	—	—
1 16	19 48.55	−25 3.8	3.392	2.412	1.7	21.1	4 W	—	—
1 26	20 9.32	−24 5.7	3.339	2.367	3.2	21.1	8 W	—	1*
2 5	20 30.26	−22 57.4	3.275	2.322	5.3	21.1	12 W	—	6*
2 15	20 51.33	−21 39.0	3.201	2.277	7.4	21.2	17 W	—	11*
2 25	21 12.46	−20 10.7	3.117	2.232	9.6	21.1	22 W	—	16*
3 7	21 33.64	−18 32.8	3.026	2.187	11.8	21.1	27 W	1*	21*
3 17	21 54.86	−16 45.8	2.927	2.142	14.0	21.1	31 W	2*	25*
3 27	22 16.10	−14 50.3	2.823	2.097	16.2	21.0	36 W	3*	30*
4 6	22 37.38	−12 46.7	2.714	2.053	18.3	21.0	40 W	5*	34*
4 16	22 58.75	−10 35.9	2.602	2.010	20.4	20.9	44 W	6*	38*
4 26	23 20.21	− 8 18.6	2.489	1.967	22.4	20.8	48 W	8*	42*
5 6	23 41.83	− 5 55.6	2.374	1.925	24.4	20.7	52 W	10*	46*
5 16	0 3.65	− 3 27.9	2.259	1.884	26.3	20.6	56 W	13*	49*
5 26	0 25.72	− 0 56.7	2.146	1.845	28.1	20.5	59 W	16*	52*
6 5	0 48.10	+ 1 36.8	2.034	1.808	29.9	20.4	63 W	19*	53*
6 15	1 10.83	+ 4 11.4	1.925	1.773	31.5	20.3	66 W	23*	54*
6 25	1 33.93	+ 6 45.4	1.820	1.741	33.1	20.2	69 W	28*	54*
7 5	1 57.42	+ 9 17.2	1.718	1.711	34.5	20.1	72 W	34*	53*
7 15	2 21.28	+11 45.1	1.620	1.684	35.8	19.9	76 W	39*	52*
7 25	2 45.43	+14 7.2	1.527	1.661	36.9	19.8	79 W	45*	50*
8 4	3 9.78	+16 21.9	1.438	1.641	37.8	19.7	82 W	51*	48*
8 14	3 34.13	+18 27.7	1.354	1.625	38.4	19.6	85 W	57*	46
8 24	3 58.21	+20 23.5	1.274	1.614	38.8	19.4	89 W	62*	44
9 3	4 21.68	+22 9.0	1.197	1.607	38.8	19.3	93 W	66*	42
9 13	4 44.08	+23 44.4	1.125	1.604	38.5	19.1	97 W	69*	40
9 23	5 4.86	+25 10.9	1.057	1.606	37.6	19.0	102 W	70	39
9 28	5 14.45	+25 51.5	1.025	1.608	37.0	18.9	105 W	71	38
10 3	5 23.39	+26 30.8	0.994	1.612	36.2	18.8	108 W	72	37
10 8	5 31.58	+27 8.9	0.963	1.617	35.3	18.7	111 W	72	37
10 13	5 38.91	+27 46.3	0.935	1.623	34.1	18.6	114 W	73	36
10 18	5 45.30	+28 23.3	0.907	1.630	32.8	18.5	118 W	73	36
10 23	5 50.65	+29 0.2	0.882	1.638	31.2	18.4	121 W	74	35
10 28	5 54.87	+29 36.9	0.858	1.647	29.5	18.3	125 W	75	34
11 2	5 57.86	+30 13.6	0.837	1.656	27.5	18.2	130 W	75	34
11 7	5 59.55	+30 50.0	0.818	1.667	25.3	18.1	134 W	76	33
11 12	5 59.92	+31 25.6	0.802	1.679	22.8	18.0	139 W	76	33
11 17	5 58.98	+31 59.6	0.789	1.692	20.2	17.9	144 W	77	32
11 22	5 56.80	+32 31.3	0.781	1.705	17.3	17.8	149 W	78	31
11 27	5 53.50	+32 59.5	0.776	1.719	14.4	17.7	154 W	78	31
12 2	5 49.25	+33 23.2	0.776	1.734	11.5	17.7	159 W	78	31
12 7	5 44.31	+33 41.4	0.781	1.750	8.8	17.6	164 W	79	30
12 12	5 39.00	+33 53.6	0.791	1.766	6.6	17.5	168 W	79	30
12 17	5 33.67	+33 59.5	0.807	1.783	5.9	17.6	169 E	79	30
12 22	5 28.60	+33 59.5	0.828	1.801	6.8	17.7	167 E	79	30
12 27	5 24.07	+33 54.3	0.855	1.819	8.9	17.9	163 E	79	30
1 1	5 20.31	+33 44.7	0.886	1.838	11.2	18.1	159 E	79	30
1 6	5 17.48	+33 31.9	0.923	1.857	13.6	18.3	154 E	79	30
1 11	5 15.68	+33 16.8	0.965	1.876	15.8	18.5	149 E	78	31
1 16	5 14.96	+33 0.5	1.012	1.896	17.9	18.6	144 E	78	31
1 21	5 15.29	+32 43.6	1.062	1.916	19.7	18.8	139 E	78	31

284456 2007 FM_{28}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 27	19 8.67	−27 20.3	2.694	1.738	6.2	20.8	11 E	—	5*
1 6	19 38.01	−26 5.3	2.690	1.721	4.4	20.7	8 E	—	2*
1 16	20 7.07	−24 29.8	2.682	1.705	2.9	20.6	5 E	—	—
1 26	20 35.66	−22 35.0	2.672	1.691	2.2	20.5	4 E	—	—
2 5	21 3.67	−20 22.7	2.660	1.680	3.0	20.6	5 W	—	—
2 15	21 31.04	−17 54.9	2.645	1.670	4.4	20.6	8 W	—	1*
2 25	21 57.73	−15 14.0	2.628	1.664	6.2	20.7	10 W	—	4*
3 7	22 23.77	−12 22.5	2.609	1.659	7.9	20.7	13 W	—	7*
3 17	22 49.20	− 9 22.9	2.588	1.657	9.7	20.8	16 W	—	10*
3 27	23 14.08	− 6 17.8	2.566	1.658	11.5	20.8	19 W	—	13*
4 6	23 38.49	− 3 9.6	2.542	1.661	13.2	20.9	22 W	1*	16*
4 16	0 2.51	− 0 0.7	2.517	1.666	14.9	20.9	25 W	3*	19*
4 26	0 26.21	+ 3 6.8	2.489	1.674	16.6	21.0	28 W	5*	22*
5 6	0 49.67	+ 6 10.8	2.459	1.685	18.3	21.0	32 W	7*	25*
5 16	1 12.95	+ 9 9.5	2.427	1.697	19.9	21.1	35 W	10*	28*
5 26	1 36.08	+12 1.1	2.391	1.712	21.4	21.1	38 W	13*	30*
6 5	1 59.10	+14 44.3	2.352	1.729	22.9	21.1	41 W	16*	32*
6 15	2 22.00	+17 17.8	2.310	1.747	24.3	21.2	45 W	20*	33*
6 25	2 44.75	+19 40.6	2.264	1.767	25.6	21.2	49 W	25*	34*
7 5	3 7.31	+21 52.1	2.214	1.789	26.8	21.2	53 W	30*	35*
7 15	3 29.55	+23 51.9	2.159	1.811	27.9	21.2	57 W	36*	35*
7 25	3 51.36	+25 40.0	2.100	1.835	28.9	21.2	61 W	42*	35*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
284456 2007 FM_{28} *(continuation)*									
8 4	4 12.57	+27 16.9	2.036	1.860	29.8	21.2	66 W	49*	34*
8 14	4 32.94	+28 43.2	1.967	1.886	30.4	21.2	70 W	55*	34*
8 24	4 52.23	+30 0.3	1.894	1.913	30.8	21.1	76 W	62*	33*
9 3	5 10.12	+31 9.7	1.817	1.940	30.9	21.1	81 W	68*	32*
9 13	5 26.25	+32 13.3	1.737	1.968	30.7	21.0	87 W	74*	32*
9 23	5 40.17	+33 13.3	1.655	1.995	30.1	20.9	94 W	78*	31*
10 3	5 51.42	+34 11.9	1.573	2.023	29.0	20.8	101 W	79	30
10 13	5 59.41	+35 10.6	1.493	2.051	27.3	20.7	109 W	80	29
10 23	6 3.55	+36 9.9	1.418	2.080	25.0	20.5	118 W	81	28
11 2	6 3.29	+37 8.4	1.351	2.107	21.9	20.3	128 W	82	27
11 7	6 1.39	+37 36.1	1.322	2.121	20.1	20.2	133 W	83	26
11 12	5 58.29	+38 1.7	1.296	2.135	18.2	20.2	138 W	83	26
11 17	5 54.05	+38 24.2	1.275	2.149	16.1	20.1	143 W	83	26
11 22	5 48.75	+38 42.6	1.259	2.163	13.9	20.0	148 W	84	25
11 27	5 42.55	+38 55.7	1.249	2.176	11.7	19.9	153 W	84	25
12 2	5 35.64	+39 2.7	1.244	2.190	9.6	19.8	158 W	84	25
12 7	5 28.28	+39 2.8	1.245	2.203	8.0	19.8	162 W	84	25
12 12	5 20.76	+38 55.9	1.253	2.217	7.0	19.7	164 W	84	25
12 17	5 13.39	+38 42.2	1.268	2.230	7.1	19.8	164 E	84	25
12 22	5 6.44	+38 22.4	1.289	2.243	8.1	19.9	161 E	83	26
12 27	5 0.14	+37 57.6	1.317	2.256	9.7	20.0	157 E	83	26
1 1	4 54.68	+37 28.9	1.351	2.269	11.6	20.1	152 E	82	27
1 6	4 50.19	+36 57.8	1.391	2.281	13.5	20.3	147 E	82	27
1 11	4 46.75	+36 25.4	1.436	2.294	15.2	20.4	142 E	81	28
1 16	4 44.39	+35 53.0	1.486	2.306	16.9	20.6	137 E	81	28
1 21	4 43.09	+35 21.2	1.541	2.318	18.4	20.7	132 E	80	29
79558 1998 QE_{51}									
12 27	19 8.70	−23 24.5	2.596	1.638	6.2	19.4	10 E	1*	3*
1 6	19 39.13	−22 17.3	2.605	1.635	4.4	19.3	7 E	—	—
1 16	20 9.09	−20 49.5	2.614	1.634	2.5	19.2	4 E	—	—
1 26	20 38.41	−19 3.0	2.621	1.636	0.7	19.1	1 E	—	—
2 5	21 6.97	−17 0.3	2.626	1.641	1.2	19.1	2 W	—	—
2 15	21 34.71	−14 44.2	2.631	1.649	3.0	19.3	5 W	—	—
2 25	22 1.61	−12 17.5	2.633	1.659	4.8	19.4	8 W	—	2*
3 7	22 27.69	− 9 43.0	2.634	1.672	6.7	19.5	11 W	—	5*
3 17	22 53.01	− 7 3.5	2.632	1.687	8.5	19.6	14 W	—	8*
3 27	23 17.60	− 4 21.6	2.628	1.704	10.3	19.7	18 W	1*	12*
4 6	23 41.54	− 1 39.7	2.620	1.724	12.0	19.8	21 W	2*	15*
4 16	0 4.90	+ 1 0.3	2.609	1.745	13.8	19.9	24 W	3*	18*
4 26	0 27.73	+ 3 36.2	2.593	1.768	15.4	20.0	28 W	5*	22*
5 6	0 50.08	+ 6 6.6	2.573	1.792	17.1	20.0	32 W	7*	25*
5 16	1 11.99	+ 8 30.1	2.548	1.818	18.7	20.1	35 W	9*	28*
5 26	1 33.46	+10 45.4	2.517	1.845	20.3	20.1	39 W	12*	31*
6 5	1 54.49	+12 51.7	2.480	1.873	21.7	20.2	43 W	16*	34*
6 15	2 15.05	+14 48.2	2.436	1.901	23.1	20.2	47 W	20*	36*
6 25	2 35.07	+16 34.4	2.387	1.931	24.4	20.3	52 W	25*	38*
7 5	2 54.47	+18 10.1	2.330	1.960	25.6	20.3	56 W	30*	40*
7 15	3 13.13	+19 35.2	2.267	1.990	26.6	20.3	61 W	36*	40*
7 25	3 30.89	+20 49.7	2.198	2.020	27.5	20.3	67 W	43*	41*
8 4	3 47.57	+21 54.3	2.122	2.051	28.1	20.2	72 W	50*	41*
8 14	4 2.91	+22 49.3	2.041	2.081	28.4	20.2	78 W	56*	41*
8 24	4 16.62	+23 35.7	1.956	2.111	28.5	20.1	84 W	62*	40*
9 3	4 28.40	+24 14.3	1.867	2.141	28.1	20.1	91 W	67*	40
9 13	4 37.83	+24 45.9	1.777	2.171	27.3	20.0	99 W	70*	39
9 23	4 44.48	+25 11.4	1.687	2.200	25.9	19.8	107 W	70	39
10 3	4 47.94	+25 31.1	1.602	2.229	23.8	19.7	116 W	71	38
10 13	4 47.79	+25 44.6	1.524	2.257	21.0	19.5	126 W	71	38
10 23	4 43.85	+25 50.7	1.458	2.285	17.4	19.3	136 W	71	38
11 2	4 36.26	+25 47.5	1.410	2.312	13.1	19.1	148 W	71	38
11 7	4 31.27	+25 41.7	1.393	2.326	10.7	19.0	154 W	71	38
11 12	4 25.67	+25 32.9	1.383	2.339	8.2	18.9	160 W	71	38
11 17	4 19.62	+25 21.2	1.379	2.352	5.6	18.8	167 W	70	39
11 22	4 13.32	+25 6.7	1.382	2.365	3.1	18.7	173 W	70	39
11 27	4 6.99	+24 49.9	1.392	2.378	1.6	18.6	176 E	70	39
12 2	4 0.82	+24 31.3	1.409	2.390	3.2	18.8	172 E	70	39
12 7	3 55.01	+24 11.7	1.434	2.403	5.5	18.9	166 E	69	40
12 12	3 49.75	+23 51.8	1.465	2.415	7.9	19.1	160 E	69	40
12 17	3 45.15	+23 32.4	1.503	2.427	10.2	19.3	154 E	69	40
12 22	3 41.32	+23 14.3	1.547	2.438	12.3	19.4	148 E	68	41
12 27	3 38.30	+22 58.0	1.596	2.450	14.2	19.6	142 E	68	41
1 1	3 36.13	+22 44.0	1.650	2.461	15.9	19.7	137 E	68	41
1 6	3 34.81	+22 32.5	1.710	2.472	17.4	19.8	131 E	68	41
1 11	3 34.33	+22 23.8	1.773	2.483	18.6	20.0	126 E	67	42
1 16	3 34.65	+22 17.8	1.839	2.494	19.7	20.1	121 E	67	42
1 21	3 35.72	+22 14.6	1.908	2.505	20.6	20.2	116 E	67	42
289034 2004 TJ_{133}									
12 27	19 9.07	−18 26.1	2.699	1.747	6.6	20.5	12 E	5*	1*
1 6	19 36.81	−17 35.7	2.691	1.724	4.8	20.3	8 E	2*	—
1 16	20 4.71	−16 27.5	2.679	1.703	3.2	20.2	6 E	—	—
1 26	20 32.64	−15 2.1	2.665	1.684	2.2	20.1	4 W	—	—

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
289034 2004 TJ_{133} *(continuation)*									
2 5	21 0.46	−13 21.0	2.649	1.668	2.5	20.1	4 W	—	—
2 15	21 28.11	−11 25.6	2.631	1.654	3.8	20.1	6 W	—	—
2 25	21 55.52	− 9 18.2	2.612	1.642	5.5	20.2	9 W	—	2*
3 7	22 22.65	− 7 1.1	2.593	1.634	7.1	20.3	12 W	1*	5*
3 17	22 49.51	− 4 36.8	2.572	1.629	8.8	20.3	15 W	2*	8*
3 27	23 16.11	− 2 8.1	2.552	1.627	10.5	20.4	17 W	3*	11*
4 6	23 42.46	+ 0 22.4	2.530	1.627	12.2	20.4	20 W	3*	14*
4 16	0 8.61	+ 2 52.0	2.508	1.631	13.8	20.5	23 W	4*	17*
4 26	0 34.58	+ 5 18.1	2.485	1.638	15.5	20.5	26 W	5*	19*
5 6	1 0.38	+ 7 38.1	2.461	1.648	17.0	20.5	29 W	6*	22*
5 16	1 26.04	+ 9 50.1	2.436	1.660	18.6	20.6	32 W	8*	25*
5 26	1 51.53	+11 51.7	2.408	1.676	20.1	20.6	35 W	10*	27*
6 5	2 16.82	+13 41.5	2.378	1.693	21.5	20.7	38 W	12*	30*
6 15	2 41.87	+15 18.0	2.344	1.713	22.9	20.7	41 W	15*	32*
6 25	3 6.56	+16 40.1	2.307	1.736	24.2	20.7	45 W	19*	33*
7 5	3 30.82	+17 47.0	2.266	1.760	25.5	20.8	48 W	24*	35*
7 15	3 54.48	+18 38.6	2.220	1.785	26.7	20.8	52 W	28*	36*
7 25	4 17.40	+19 14.8	2.170	1.813	27.7	20.8	56 W	34*	38*
8 4	4 39.40	+19 36.0	2.114	1.841	28.7	20.8	61 W	39*	39*
8 14	5 0.28	+19 43.0	2.053	1.871	29.5	20.8	65 W	45*	40*
8 24	5 19.81	+19 36.8	1.987	1.901	30.0	20.8	70 W	50*	41*
9 3	5 37.79	+19 18.8	1.916	1.933	30.4	20.8	76 W	55*	42*
9 13	5 53.92	+18 50.7	1.840	1.964	30.4	20.7	82 W	59*	44*
9 23	6 7.93	+18 14.2	1.761	1.997	30.2	20.6	88 W	62*	45*
10 3	6 19.52	+17 31.3	1.680	2.029	29.4	20.5	95 W	63*	46*
10 13	6 28.30	+16 44.4	1.599	2.062	28.2	20.4	103 W	62	47
10 23	6 33.92	+15 55.8	1.519	2.095	26.3	20.3	111 W	61	48
11 2	6 36.04	+15 8.2	1.446	2.127	23.7	20.2	120 W	60	49
11 12	6 34.40	+14 24.0	1.381	2.160	20.4	20.0	131 W	59	50
11 22	6 29.05	+13 46.2	1.331	2.192	16.3	19.8	141 W	59	50
12 2	6 20.40	+13 16.8	1.300	2.224	11.7	19.6	153 W	58	51
12 12	6 9.38	+12 57.9	1.293	2.255	7.0	19.4	164 W	58	51
12 17	6 3.42	+12 52.8	1.299	2.271	5.2	19.4	168 W	58	51
12 22	5 57.43	+12 50.5	1.312	2.286	4.5	19.4	169 E	58	51
12 27	5 51.60	+12 51.2	1.332	2.302	5.4	19.5	167 E	58	51
1 1	5 46.12	+12 54.7	1.359	2.317	7.2	19.6	163 E	58	51
1 6	5 41.14	+13 0.8	1.393	2.332	9.3	19.8	158 E	58	51
1 11	5 36.80	+13 9.4	1.432	2.347	11.3	19.9	152 E	58	51
1 16	5 33.21	+13 20.1	1.478	2.361	13.3	20.1	147 E	58	51
1 21	5 30.41	+13 32.8	1.529	2.376	15.1	20.2	141 E	59	50
154589 2003 MX_2									
12 27	19 9.30	−26 3.7	2.487	1.532	6.9	20.0	11 E	—	4*
1 6	19 42.05	−25 9.5	2.445	1.479	5.5	19.8	8 E	—	2*
1 16	20 15.65	−23 46.5	2.403	1.429	4.4	19.7	6 E	—	—
1 26	20 49.79	−21 53.8	2.362	1.383	3.5	19.5	5 E	—	—
2 5	21 24.22	−19 31.6	2.323	1.342	3.1	19.4	4 E	—	—
2 15	21 58.70	−16 41.9	2.290	1.307	3.1	19.3	4 E	—	—
2 25	22 33.03	−13 27.9	2.263	1.278	3.3	19.2	4 E	—	—
3 7	23 7.11	− 9 54.1	2.243	1.257	3.6	19.2	5 W	—	—
3 12	23 24.04	− 8 1.6	2.237	1.249	3.7	19.2	5 W	—	—
3 17	23 40.89	− 6 6.4	2.232	1.243	3.9	19.2	5 W	—	—
3 22	23 57.66	− 4 9.4	2.230	1.240	4.0	19.2	5 W	—	—
3 27	0 14.35	− 2 11.3	2.229	1.239	4.1	19.2	5 W	—	—
4 1	0 30.97	− 0 13.1	2.232	1.240	4.3	19.2	5 W	—	—
4 6	0 47.52	+ 1 44.4	2.236	1.243	4.4	19.2	5 W	—	—
4 11	1 4.02	+ 3 40.4	2.242	1.249	4.5	19.2	6 W	—	—
4 16	1 20.46	+ 5 34.1	2.250	1.256	4.7	19.3	6 W	—	—
4 21	1 36.84	+ 7 24.7	2.260	1.266	4.9	19.3	6 W	—	—
4 26	1 53.16	+ 9 11.6	2.272	1.278	5.2	19.3	7 W	—	—
5 6	2 25.66	+12 32.0	2.300	1.306	5.7	19.4	7 W	—	1*
5 16	2 57.92	+15 31.2	2.333	1.342	6.5	19.6	9 W	—	3*
5 26	3 29.86	+18 6.6	2.368	1.383	7.4	19.7	10 W	—	4*
6 5	4 1.38	+20 16.8	2.406	1.428	8.4	19.9	12 W	—	5*
6 15	4 32.34	+22 1.3	2.443	1.478	9.6	20.0	14 W	2*	7*
6 25	5 2.58	+23 20.9	2.478	1.531	10.9	20.2	17 W	4*	8*
7 5	5 31.94	+24 17.1	2.509	1.586	12.3	20.3	19 W	7*	10*
7 15	6 0.28	+24 51.7	2.536	1.642	13.7	20.5	22 W	11*	11*
7 25	6 27.45	+25 7.4	2.556	1.700	15.1	20.6	26 W	15*	13*
8 4	6 53.36	+25 6.7	2.568	1.759	16.5	20.8	30 W	19*	14*
8 14	7 17.95	+24 52.5	2.572	1.817	18.0	20.9	34 W	24*	16*
8 24	7 41.13	+24 27.6	2.567	1.876	19.4	21.0	38 W	29*	18*
9 3	8 2.90	+23 54.7	2.552	1.934	20.7	21.1	43 W	34*	19*
9 13	8 23.22	+23 16.5	2.526	1.992	21.9	21.2	48 W	39*	21*
9 23	8 42.04	+22 35.8	2.489	2.049	23.0	21.2	53 W	44*	23*
10 3	8 59.33	+21 54.9	2.442	2.106	24.0	21.3	59 W	50*	26*
10 13	9 15.01	+21 16.7	2.385	2.161	24.7	21.3	65 W	55*	28*
10 23	9 28.97	+20 43.5	2.318	2.215	25.2	21.3	72 W	60*	31*
11 2	9 41.11	+20 18.1	2.243	2.269	25.4	21.3	79 W	63*	34*
11 12	9 51.20	+20 3.0	2.162	2.321	25.2	21.3	86 W	65*	37*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	154589 2003 MX_2 *(continuation)*								
	h m	° ′			°	m	°	°	°
11 22	9 59.02	+20 0.8	2.077	2.371	24.5	21.2	95 W	65	40*
12 2	10 4.30	+20 13.6	1.992	2.421	23.3	21.1	104 W	65	42*
12 12	10 6.71	+20 43.0	1.909	2.469	21.5	21.0	113 W	66	43*
12 22	10 6.00	+21 29.2	1.835	2.516	19.0	20.9	124 W	66	43
1 1	10 1.99	+22 30.5	1.773	2.562	15.8	20.7	135 W	68	41
1 11	9 54.75	+23 42.2	1.730	2.606	12.1	20.6	146 W	69	40
1 21	9 44.76	+24 57.0	1.712	2.649	8.0	20.4	158 W	70	39
	353947 1999 CT_8								
12 27	19 10.00	−40 47.5	1.952	1.082	18.1	21.4	20 E	—	11*
1 1	19 32.50	−38 38.2	1.934	1.049	17.3	21.2	19 E	—	10*
1 6	19 54.04	−36 11.3	1.915	1.016	16.4	21.1	17 E	—	9*
1 11	20 14.62	−33 27.9	1.897	0.983	15.3	21.0	15 E	—	8*
1 16	20 34.26	−30 29.0	1.879	0.951	14.1	20.9	14 E	—	7*
1 21	20 53.03	−27 15.9	1.861	0.920	12.7	20.7	12 E	—	6*
1 26	21 11.02	−23 49.5	1.843	0.890	11.2	20.6	10 E	—	4*
1 31	21 28.34	−20 10.8	1.824	0.862	9.8	20.4	9 E	—	2*
2 5	21 45.13	−16 21.0	1.804	0.836	8.8	20.3	7 E	—	1*
2 10	22 1.55	−12 21.1	1.784	0.813	8.5	20.2	7 E	—	—
2 15	22 17.75	− 8 12.2	1.762	0.793	9.3	20.1	7 E	1*	—
2 20	22 33.92	− 3 55.8	1.740	0.777	11.2	20.1	9 E	3*	—
2 25	22 50.25	+ 0 26.6	1.717	0.766	13.8	20.2	11 E	4*	—
3 2	23 6.96	+ 4 53.2	1.693	0.759	16.9	20.2	13 E	5*	—
3 7	23 24.30	+ 9 21.8	1.669	0.757	20.1	20.3	15 E	7*	—
3 12	23 42.53	+13 49.8	1.646	0.761	23.3	20.4	18 E	9*	—
3 17	0 1.91	+18 14.2	1.624	0.769	26.4	20.5	20 E	11*	—
3 22	0 22.73	+22 31.2	1.604	0.782	29.1	20.6	22 E	13*	—
3 27	0 45.24	+26 36.6	1.588	0.799	31.5	20.7	25 E	15*	—
4 1	1 9.68	+30 25.6	1.576	0.820	33.4	20.8	27 E	17*	—
4 6	1 36.20	+33 53.0	1.569	0.844	34.9	20.8	29 E	20*	—
4 11	2 4.82	+36 53.6	1.567	0.870	35.9	20.9	31 E	22*	—
4 16	2 35.36	+39 22.3	1.572	0.899	36.5	21.0	32 E	24*	—
4 21	3 7.39	+41 15.3	1.583	0.929	36.7	21.1	34 E	26*	—
4 26	3 40.26	+42 30.5	1.601	0.961	36.5	21.2	35 E	28*	—
5 1	4 13.20	+43 7.7	1.624	0.993	36.0	21.3	35 E	29*	—
5 6	4 45.40	+43 9.3	1.653	1.026	35.3	21.4	36 E	30*	1*
5 11	5 16.18	+42 39.2	1.688	1.059	34.4	21.5	36 E	30*	4*
	2100 Ra–Shalom								
12 27	19 10.05	−16 10.2	1.877	0.946	13.6	18.1	13 E	7*	—
1 1	19 30.61	−15 46.6	1.913	0.979	12.9	18.2	13 E	6*	—
1 6	19 50.33	−15 17.1	1.948	1.010	12.1	18.3	12 E	6*	—
1 11	20 9.30	−14 42.4	1.981	1.038	11.2	18.3	12 E	6*	—
1 16	20 27.57	−14 3.0	2.012	1.064	10.3	18.4	11 E	5*	—
1 26	21 2.32	−12 32.6	2.069	1.109	8.3	18.5	9 E	3*	—
2 5	21 35.06	−10 49.6	2.115	1.144	6.2	18.5	7 E	1*	—
2 15	22 6.28	− 8 56.9	2.151	1.170	4.1	18.4	5 E	—	—
2 25	22 36.39	− 6 56.7	2.175	1.187	2.1	18.4	2 E	—	—
3 7	23 5.76	− 4 50.8	2.187	1.195	0.9	18.3	1 W	—	—
3 17	23 34.80	− 2 40.6	2.186	1.193	2.6	18.4	3 W	—	—
3 27	0 3.85	− 0 27.3	2.172	1.183	4.7	18.5	6 W	—	—
4 6	0 33.32	+ 1 47.8	2.146	1.164	6.8	18.6	8 W	—	2*
4 16	1 3.61	+ 4 3.8	2.109	1.135	8.9	18.6	10 W	—	4*
4 26	1 35.17	+ 6 19.1	2.062	1.097	10.8	18.5	12 W	—	6*
5 6	2 8.53	+ 8 32.4	2.006	1.049	12.7	18.4	13 W	—	7*
5 16	2 44.29	+10 41.3	1.943	0.992	14.3	18.3	14 W	—	8*
5 26	3 23.15	+12 42.5	1.874	0.926	15.5	18.1	14 W	—	8*
5 31	3 43.99	+13 38.9	1.838	0.889	15.9	18.0	14 W	—	8*
6 5	4 5.92	+14 31.6	1.803	0.849	16.2	17.9	13 W	—	7*
6 10	4 29.04	+15 19.6	1.766	0.808	16.1	17.7	13 W	—	7*
6 15	4 53.47	+16 1.9	1.730	0.765	15.8	17.6	12 W	—	6*
6 20	5 19.32	+16 37.4	1.694	0.720	15.0	17.3	11 W	—	4*
6 25	5 46.68	+17 4.7	1.659	0.675	13.8	17.1	9 W	—	3*
6 30	6 15.65	+17 22.4	1.623	0.629	12.1	16.9	7 W	—	1*
7 5	6 46.25	+17 29.1	1.587	0.585	10.1	16.6	6 W	—	—
7 10	7 18.48	+17 23.5	1.550	0.544	9.2	16.3	5 E	—	—
7 15	7 52.22	+17 4.5	1.510	0.509	11.6	16.2	6 E	—	—
7 20	8 27.17	+16 31.2	1.467	0.483	17.6	16.3	8 E	—	2*
7 25	9 2.91	+15 43.6	1.418	0.470	25.8	16.4	12 E	—	6*
7 30	9 38.84	+14 41.8	1.365	0.471	34.9	16.6	15 E	1*	9*
8 4	10 14.42	+13 26.4	1.310	0.486	43.5	16.8	19 E	4*	12*
8 9	10 49.26	+11 57.8	1.256	0.513	50.9	17.0	23 E	7*	16*
8 14	11 23.16	+10 16.9	1.205	0.549	56.7	17.3	27 E	9*	19*
8 19	11 56.10	+ 8 24.7	1.160	0.591	60.7	17.5	31 E	12*	23*
8 24	12 28.12	+ 6 22.6	1.122	0.635	63.3	17.6	34 E	14*	26*
8 29	12 59.27	+ 4 12.8	1.093	0.681	64.6	17.8	38 E	16*	29*
9 3	13 29.56	+ 1 57.9	1.073	0.726	64.9	17.9	41 E	18*	32*
9 8	13 59.01	− 0 19.0	1.061	0.771	64.5	18.0	44 E	20*	35*
9 13	14 27.59	− 2 34.6	1.056	0.814	63.6	18.0	46 E	21*	38*
9 18	14 55.27	− 4 45.8	1.060	0.855	62.2	18.1	49 E	22*	40*
9 23	15 22.02	− 6 50.1	1.070	0.894	60.7	18.2	51 E	23*	42*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	2100 Ra–Shalom *(continuation)*								
	h m	° ′			°	m	°	°	°
9 28	15 47.83	− 8 45.4	1.086	0.930	59.0	18.3	53 E	23*	44*
10 3	16 12.71	−10 30.3	1.107	0.964	57.3	18.3	54 E	24*	45*
10 13	16 59.71	−13 25.8	1.162	1.026	53.8	18.5	56 E	24*	47*
10 23	17 43.24	−15 35.1	1.229	1.077	50.6	18.6	57 E	24*	48*
11 2	18 23.65	−17 1.6	1.304	1.120	47.6	18.7	56 E	24*	47*
11 7	18 42.83	−17 30.2	1.342	1.137	46.2	18.8	56 E	24*	46*
11 12	19 1.39	−17 50.1	1.380	1.152	44.9	18.8	55 E	24*	45*
11 17	19 19.38	−18 1.7	1.418	1.165	43.7	18.9	54 E	24*	44*
11 22	19 36.84	−18 5.9	1.455	1.176	42.5	18.9	53 E	24*	43*
11 27	19 53.83	−18 3.0	1.492	1.184	41.3	19.0	52 E	24*	41*
12 2	20 10.41	−17 53.7	1.527	1.190	40.2	19.0	51 E	24*	39*
12 7	20 26.60	−17 38.4	1.560	1.194	39.2	19.0	50 E	24*	38*
12 12	20 42.46	−17 17.6	1.592	1.195	38.1	19.0	49 E	24*	36*
12 22	21 13.31	−16 20.7	1.647	1.191	36.3	19.0	46 E	24*	32*
1 1	21 43.27	−15 5.8	1.692	1.179	34.5	19.0	43 E	24*	29*
1 11	22 12.67	−13 34.7	1.724	1.157	33.0	19.0	40 E	23*	26*
1 21	22 41.77	−11 49.2	1.742	1.125	31.8	18.9	37 E	22*	23*
	370061 2000 YO_{29}								
12 27	19 10.16	+ 2 34.9	1.978	1.206	22.7	20.7	28 E	21*	—
1 6	19 39.95	+ 6 44.6	2.072	1.320	22.1	21.0	30 E	21*	—
1 16	20 7.85	+10 40.4	2.167	1.430	21.3	21.2	32 E	20*	—
1 26	20 34.22	+14 24.7	2.260	1.534	20.6	21.4	33 E	18*	—
2 5	20 59.31	+17 59.0	2.353	1.634	19.8	21.6	34 W	21*	—
	361518 2007 FD								
12 27	19 10.19	−18 12.7	2.661	1.711	6.9	20.8	12 E	5*	1*
1 6	19 35.78	−17 21.4	2.593	1.627	5.1	20.5	8 E	2*	—
1 16	20 2.82	−16 10.8	2.516	1.540	3.5	20.3	6 E	—	—
1 26	20 31.36	−14 38.9	2.432	1.452	2.8	20.0	4 W	—	—
2 5	21 1.53	−12 43.8	2.343	1.362	3.3	19.8	4 W	—	—
2 15	21 33.49	−10 23.6	2.252	1.272	4.3	19.7	6 W	—	—
2 25	22 7.45	− 7 37.5	2.161	1.182	5.3	19.5	6 W	—	—
3 7	22 43.65	− 4 25.8	2.075	1.095	5.9	19.3	7 W	—	—
3 17	23 22.40	− 0 50.8	1.997	1.013	5.9	19.0	6 W	—	—
3 22	23 42.82	+ 1 3.9	1.962	0.975	5.6	18.9	6 W	—	—
3 27	0 3.98	+ 3 1.9	1.930	0.940	5.1	18.7	5 W	—	—
4 1	0 25.89	+ 5 2.0	1.902	0.908	4.2	18.6	4 W	—	—
4 6	0 48.59	+ 7 2.6	1.878	0.880	3.2	18.4	3 W	—	—
4 11	1 12.05	+ 9 1.6	1.858	0.856	1.9	18.2	2 W	—	—
4 16	1 36.25	+10 57.1	1.842	0.838	1.1	18.1	1 E	—	—
4 21	2 1.12	+12 46.7	1.830	0.826	2.3	18.2	2 E	—	—
4 26	2 26.56	+14 28.3	1.823	0.821	4.1	18.2	3 E	—	—
5 1	2 52.46	+15 59.6	1.821	0.822	6.0	18.3	5 E	—	—
5 6	3 18.66	+17 19.0	1.824	0.829	7.9	18.5	6 E	—	—
5 11	3 44.98	+18 25.1	1.831	0.843	9.7	18.6	8 E	—	1*
5 16	4 11.22	+19 16.9	1.844	0.863	11.2	18.7	10 E	—	2*
5 21	4 37.18	+19 54.2	1.861	0.888	12.5	18.8	11 E	1*	4*
5 26	5 2.68	+20 17.0	1.882	0.917	13.4	19.0	12 E	1*	5*
5 31	5 27.55	+20 25.9	1.909	0.950	14.1	19.1	13 E	1*	6*
6 5	5 51.68	+20 22.1	1.939	0.986	14.5	19.2	14 E	1*	7*
6 10	6 14.94	+20 6.7	1.973	1.025	14.7	19.4	15 E	1*	8*
6 15	6 37.28	+19 41.0	2.011	1.066	14.6	19.5	15 E	—	9*
6 20	6 58.65	+19 6.5	2.052	1.108	14.3	19.6	16 E	—	9*
6 25	7 19.04	+18 24.4	2.096	1.152	13.9	19.7	16 E	—	10*
6 30	7 38.47	+17 36.2	2.142	1.196	13.4	19.8	16 E	—	10*
7 5	7 56.97	+16 43.0	2.190	1.241	12.7	19.9	16 E	—	9*
7 10	8 14.58	+15 45.7	2.239	1.286	11.9	20.0	15 E	—	9*
7 15	8 31.35	+14 45.4	2.290	1.331	11.1	20.1	15 E	—	9*
7 20	8 47.32	+13 42.7	2.341	1.376	10.2	20.2	14 E	—	8*
7 25	9 2.56	+12 38.3	2.392	1.421	9.3	20.3	13 E	—	7*
8 4	9 31.04	+10 26.6	2.494	1.510	7.3	20.4	11 E	—	5*
8 14	9 57.21	+ 8 13.4	2.592	1.597	5.3	20.5	8 E	—	2*
8 24	10 21.41	+ 6 1.1	2.685	1.682	3.5	20.6	6 E	—	—
9 3	10 43.95	+ 3 51.1	2.770	1.765	2.2	20.7	4 W	—	—
9 13	11 5.08	+ 1 44.6	2.846	1.846	2.8	20.9	5 W	—	—
9 23	11 24.99	− 0 17.8	2.910	1.924	4.5	21.1	9 W	—	2*
10 3	11 43.83	− 2 15.4	2.961	1.999	6.5	21.4	13 W	4*	5*
	29780 1999 CJ_{50}								
12 27	19 10.37	−26 28.4	3.896	2.937	3.7	21.0	11 E	—	5*
1 6	19 26.94	−25 52.7	3.905	2.928	1.9	20.9	6 E	—	—
1 16	19 43.48	−25 11.5	3.897	2.918	1.5	20.9	5 W	—	—
1 26	19 59.90	−24 25.1	3.873	2.906	3.2	21.0	10 W	—	4*
2 5	20 16.11	−23 33.6	3.832	2.894	5.3	21.1	16 W	—	10*
2 15	20 32.07	−22 37.7	3.775	2.881	7.3	21.1	22 W	—	16*
2 25	20 47.69	−21 38.0	3.702	2.867	9.3	21.1	28 W	2*	22*
3 7	21 2.92	−20 35.0	3.615	2.851	11.3	21.2	34 W	4*	28*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
29780 1999 CJ_{50} *(continuation)*									
3 17	21 17.70	−19 29.6	3.515	2.835	13.2	21.2	41 W	6*	35*
3 27	21 31.97	−18 22.6	3.402	2.817	15.0	21.1	47 W	7*	41*
4 6	21 45.66	−17 14.8	3.278	2.799	16.7	21.1	53 W	9*	47*
4 16	21 58.70	−16 7.3	3.144	2.779	18.2	21.0	60 W	11*	54*
4 26	22 11.01	−15 1.2	3.002	2.758	19.5	21.0	66 W	14*	60*
5 6	22 22.50	−13 57.4	2.854	2.737	20.7	20.9	73 W	16*	67*
5 16	22 33.03	−12 57.3	2.700	2.714	21.5	20.8	80 W	19*	72*
5 26	22 42.45	−12 2.2	2.543	2.690	22.1	20.6	87 W	22*	75*
6 5	22 50.59	−11 13.6	2.386	2.665	22.3	20.5	95 W	26*	75
6 15	22 57.20	−10 33.0	2.229	2.640	22.1	20.3	102 W	29*	75
6 25	23 2.02	−10 2.2	2.076	2.613	21.4	20.1	111 W	33*	74
7 5	23 4.76	− 9 42.7	1.930	2.585	20.1	19.9	119 W	35*	74
7 15	23 5.08	− 9 36.0	1.794	2.556	18.1	19.6	129 W	35	74
7 25	23 2.72	− 9 43.0	1.672	2.527	15.3	19.4	139 W	35	74
8 4	22 57.55	−10 3.3	1.567	2.496	11.9	19.1	150 W	35	74
8 14	22 49.67	−10 35.0	1.484	2.465	7.6	18.8	161 W	34	75
8 19	22 44.85	−10 53.8	1.452	2.449	5.3	18.6	167 W	34	75
8 24	22 39.60	−11 13.7	1.426	2.432	2.9	18.4	173 W	34	75
8 29	22 34.03	−11 33.8	1.406	2.416	1.0	18.2	178 W	33	76
9 3	22 28.29	−11 53.5	1.394	2.399	2.7	18.3	174 E	33	76
9 8	22 22.55	−12 11.7	1.388	2.382	5.2	18.4	168 E	33	76
9 13	22 17.00	−12 27.8	1.390	2.365	7.8	18.5	161 E	33	76
9 18	22 11.80	−12 41.0	1.397	2.348	10.3	18.6	155 E	32	77
9 23	22 7.10	−12 50.9	1.410	2.330	12.7	18.7	149 E	32	77
10 3	21 59.67	−12 59.6	1.453	2.295	17.0	18.9	138 E	32	77
10 13	21 55.38	−12 52.4	1.513	2.259	20.7	19.1	127 E	32	77
10 23	21 54.47	−12 29.6	1.586	2.222	23.5	19.2	117 E	33	76
11 2	21 56.84	−11 52.1	1.667	2.185	25.6	19.4	108 E	33	76
11 12	22 2.22	−11 0.7	1.753	2.147	27.1	19.5	99 E	34	75*
11 22	22 10.25	− 9 56.3	1.840	2.109	27.9	19.6	91 E	35	70*
12 2	22 20.57	− 8 39.7	1.925	2.070	28.3	19.7	84 E	36	63*
12 12	22 32.85	− 7 11.5	2.007	2.032	28.2	19.7	77 E	38	56*
12 22	22 46.82	− 5 32.3	2.083	1.993	27.8	19.7	71 E	39*	48*
1 1	23 2.24	− 3 42.8	2.154	1.955	27.1	19.7	65 E	40*	41*
1 11	23 18.97	− 1 43.9	2.218	1.917	26.2	19.7	60 E	41*	35*
1 21	23 36.85	+ 0 23.6	2.275	1.879	25.2	19.7	54 E	40*	30*
5929 Manzano									
12 27	19 10.52	−17 55.6	3.395	2.443	4.9	18.5	12 E	5*	1*
1 6	19 29.72	−18 0.6	3.383	2.410	2.8	18.3	7 E	1*	—
1 16	19 49.32	−17 56.1	3.358	2.376	1.3	18.2	3 W	—	—
1 26	20 9.24	−17 42.3	3.320	2.342	2.4	18.2	6 W	—	—
2 5	20 29.44	−17 19.9	3.269	2.308	4.6	18.3	11 W	—	4*
2 15	20 49.86	−16 49.3	3.206	2.273	6.9	18.3	16 W	2*	10*
2 25	21 10.47	−16 11.5	3.132	2.238	9.2	18.3	21 W	3*	15*
3 7	21 31.25	−15 27.2	3.049	2.202	11.5	18.3	26 W	4*	20*
3 17	21 52.21	−14 37.6	2.956	2.167	13.7	18.3	31 W	4*	25*
3 27	22 13.33	−13 43.7	2.856	2.131	16.0	18.3	36 W	5*	30*
4 6	22 34.66	−12 46.7	2.749	2.095	18.2	18.2	41 W	5*	35*
4 16	22 56.20	−11 48.0	2.638	2.060	20.3	18.2	45 W	6*	39*
4 26	23 18.00	−10 49.1	2.522	2.025	22.3	18.1	50 W	7*	44*
5 6	23 40.09	− 9 51.5	2.404	1.990	24.3	18.0	54 W	8*	48*
5 16	0 2.53	− 8 56.9	2.284	1.956	26.1	17.9	58 W	9*	52*
5 26	0 25.31	− 8 7.2	2.165	1.922	27.9	17.8	63 W	10*	56*
6 5	0 48.49	− 7 24.3	2.047	1.890	29.5	17.7	67 W	12*	60*
6 15	1 12.05	− 6 50.3	1.932	1.858	31.0	17.6	70 W	15*	63*
6 25	1 35.95	− 6 27.3	1.821	1.828	32.4	17.5	74 W	18*	66*
7 5	2 0.14	− 6 17.2	1.714	1.799	33.5	17.3	78 W	21*	67*
7 15	2 24.48	− 6 22.1	1.612	1.773	34.5	17.2	81 W	24*	69*
7 25	2 48.78	− 6 43.3	1.516	1.748	35.4	17.1	85 W	28*	70*
8 4	3 12.84	− 7 21.9	1.427	1.725	36.0	16.9	88 W	30*	71*
8 14	3 36.31	− 8 18.3	1.344	1.704	36.5	16.8	92 W	32*	72*
8 24	3 58.83	− 9 31.8	1.267	1.687	36.7	16.6	95 W	33*	74
9 3	4 20.00	−11 0.7	1.197	1.672	36.7	16.5	98 W	33*	75
9 8	4 29.92	−11 50.2	1.164	1.665	36.6	16.4	100 W	33*	76
9 13	4 39.31	−12 42.5	1.132	1.660	36.4	16.4	102 W	32*	77
9 18	4 48.11	−13 36.8	1.101	1.655	36.2	16.3	103 W	31	78
9 23	4 56.26	−14 32.7	1.072	1.651	35.9	16.2	105 W	30	79
9 28	5 3.69	−15 29.3	1.044	1.648	35.5	16.1	107 W	30	79
10 3	5 10.32	−16 26.0	1.017	1.645	35.1	16.1	109 W	29	80
10 8	5 16.07	−17 21.7	0.992	1.644	34.5	16.0	111 W	28	81
10 13	5 20.87	−18 15.2	0.967	1.643	33.9	15.9	113 W	27	82
10 18	5 24.68	−19 5.3	0.944	1.643	33.1	15.8	116 W	26	83
10 23	5 27.44	−19 50.6	0.922	1.644	32.3	15.8	118 W	25	84
10 28	5 29.09	−20 29.6	0.901	1.646	31.4	15.7	120 W	25	84
11 2	5 29.62	−21 0.6	0.882	1.648	30.3	15.6	123 W	24	85
11 7	5 29.02	−21 21.8	0.865	1.652	29.2	15.6	126 W	24	85
11 12	5 27.32	−21 31.0	0.850	1.656	28.1	15.5	128 W	23	86
11 17	5 24.63	−21 26.5	0.837	1.661	26.8	15.4	131 W	24	85
11 22	5 21.07	−21 6.7	0.827	1.666	25.6	15.4	133 W	24	85

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5929 Manzano *(continuation)*									
11 27	5 16.81	−20 30.3	0.820	1.673	24.5	15.3	135 W	24	85
12 2	5 12.04	−19 36.6	0.816	1.680	23.4	15.3	137 W	25	84
12 7	5 7.02	−18 25.3	0.817	1.688	22.6	15.3	139 W	27	82
12 12	5 2.01	−16 57.0	0.821	1.697	22.0	15.3	140 E	28	81
12 17	4 57.28	−15 13.3	0.830	1.706	21.7	15.3	140 E	30	79
12 22	4 53.03	−13 16.5	0.843	1.716	21.7	15.4	140 E	32	77
12 27	4 49.44	−11 9.3	0.861	1.727	22.1	15.4	139 E	34	75
1 1	4 46.65	− 8 54.5	0.884	1.738	22.7	15.5	137 E	36	73
1 6	4 44.77	− 6 35.0	0.912	1.750	23.5	15.6	135 E	38	71
1 11	4 43.85	− 4 13.8	0.945	1.762	24.5	15.7	132 E	41	68
1 16	4 43.91	− 1 53.2	0.982	1.775	25.5	15.9	129 E	43	66
1 21	4 44.93	+ 0 24.6	1.024	1.788	26.5	16.0	126 E	45	64
85236 1993 KH									
12 27	19 10.71	−28 6.8	1.874	0.932	12.3	20.6	12 E	—	6*
1 1	19 35.40	−27 33.8	1.851	0.913	13.1	20.6	12 E	—	6*
1 6	20 0.33	−26 43.0	1.829	0.896	13.9	20.6	13 E	—	7*
1 11	20 25.32	−25 34.1	1.809	0.882	14.9	20.5	13 E	—	7*
1 16	20 50.21	−24 7.5	1.791	0.869	15.9	20.5	14 E	1*	8*
1 21	21 14.86	−22 23.8	1.774	0.860	17.0	20.5	15 E	2*	8*
1 26	21 39.13	−20 24.1	1.760	0.854	18.0	20.5	16 E	3*	9*
1 31	22 2.95	−18 10.2	1.748	0.850	19.1	20.5	16 E	5*	9*
2 5	22 26.25	−15 43.8	1.739	0.850	20.2	20.6	17 E	6*	9*
2 10	22 49.02	−13 7.1	1.733	0.853	21.2	20.6	18 E	7*	10*
2 15	23 11.25	−10 22.5	1.730	0.859	22.1	20.6	19 E	9*	10*
2 20	23 32.96	− 7 32.4	1.730	0.869	22.9	20.7	20 E	10*	10*
2 25	23 54.19	− 4 39.1	1.732	0.880	23.6	20.7	21 E	11*	10*
3 2	0 15.00	− 1 44.9	1.738	0.895	24.1	20.8	22 E	13*	10*
3 7	0 35.44	+ 1 8.2	1.747	0.912	24.5	20.8	22 E	14*	10*
3 12	0 55.58	+ 3 58.2	1.759	0.930	24.7	20.9	23 E	15*	10*
3 17	1 15.47	+ 6 43.5	1.774	0.951	24.8	21.0	24 E	15*	10*
3 22	1 35.16	+ 9 22.6	1.792	0.972	24.8	21.1	24 E	16*	10*
3 27	1 54.70	+11 54.2	1.812	0.995	24.7	21.1	25 E	17*	10*
4 1	2 14.13	+14 17.3	1.834	1.019	24.4	21.2	25 E	17*	10*
4 6	2 33.48	+16 31.1	1.859	1.043	24.1	21.3	25 E	18*	10*
4 11	2 52.78	+18 35.0	1.885	1.068	23.6	21.3	25 E	18*	10*
4 16	3 12.04	+20 28.5	1.913	1.094	23.1	21.4	25 E	18*	9*
4 21	3 31.26	+22 11.3	1.942	1.119	22.5	21.5	25 E	18*	9*
162483 2000 PJ_5									
12 27	19 11.50	−17 25.8	2.099	1.160	10.7	20.0	13 E	6*	1*
1 6	19 41.98	−19 2.8	2.143	1.181	7.3	19.9	9 E	2*	—
1 16	20 12.18	−20 17.1	2.171	1.194	4.1	19.8	5 E	—	—
1 26	20 42.40	−21 10.5	2.180	1.199	2.6	19.8	3 E	—	—
2 5	21 12.93	−21 44.5	2.173	1.196	4.7	19.9	6 W	—	—
2 15	21 44.09	−21 59.5	2.149	1.186	7.9	20.0	10 W	—	—
2 25	22 16.19	−21 55.2	2.109	1.168	11.2	20.1	13 W	—	3*
3 7	22 49.53	−21 30.2	2.055	1.142	14.6	20.1	17 W	—	6*
3 17	23 24.48	−20 41.7	1.990	1.109	17.9	20.0	20 W	—	7*
3 27	0 1.33	−19 25.9	1.918	1.067	21.0	20.0	23 W	—	8*
4 1	0 20.56	−18 35.9	1.880	1.044	22.5	19.9	24 W	—	9*
4 6	0 40.36	−17 36.8	1.842	1.018	24.0	19.9	24 W	—	9*
4 11	1 0.76	−16 27.7	1.804	0.991	25.3	19.8	25 W	—	8*
4 16	1 21.76	−15 7.7	1.767	0.962	26.6	19.8	25 W	—	8*
4 21	1 43.35	−13 35.9	1.731	0.931	27.7	19.7	26 W	—	8*
4 26	2 5.53	−11 51.4	1.698	0.898	28.7	19.6	25 W	—	7*
5 6	2 51.52	− 7 41.7	1.639	0.829	29.9	19.4	24 W	—	5*
5 16	3 39.45	− 2 35.8	1.596	0.756	29.7	19.1	22 E	—	5*
5 26	4 28.95	+ 3 23.6	1.567	0.682	27.6	18.8	18 E	—	6*
5 31	4 54.24	+ 6 40.9	1.557	0.648	25.8	18.6	16 E	—	6*
6 5	5 19.90	+10 7.4	1.548	0.616	23.7	18.4	14 E	—	6*
6 10	5 45.98	+13 40.5	1.539	0.588	21.5	18.2	12 E	—	5*
6 15	6 12.58	+17 16.5	1.529	0.566	20.1	18.1	11 E	—	5*
6 20	6 39.79	+20 50.7	1.515	0.552	20.4	18.0	11 E	—	5*
6 25	7 7.76	+24 17.2	1.497	0.547	23.1	18.1	12 E	2*	4*
6 30	7 36.66	+27 29.0	1.473	0.550	27.5	18.2	14 E	6*	4*
7 5	8 6.64	+30 18.9	1.443	0.563	32.8	18.3	17 E	10*	4*
7 10	8 37.79	+32 40.1	1.410	0.583	38.1	18.5	21 E	14*	4*
7 15	9 10.10	+34 26.5	1.373	0.610	43.0	18.7	24 E	17*	5*
7 20	9 43.37	+35 33.2	1.335	0.641	47.3	18.8	28 E	21*	6*
7 25	10 17.25	+35 56.5	1.299	0.675	50.7	19.0	31 E	24*	8*
7 30	10 51.25	+35 34.6	1.264	0.711	53.4	19.1	34 E	27*	10*
8 4	11 24.78	+34 27.5	1.233	0.748	55.3	19.2	37 E	30*	13*
8 9	11 57.28	+32 37.5	1.208	0.785	56.5	19.3	40 E	32*	15*
8 14	12 28.28	+30 8.8	1.188	0.822	57.1	19.4	43 E	34*	19*
8 19	12 57.48	+27 7.3	1.175	0.857	57.2	19.5	45 E	35*	22*
8 24	13 24.76	+23 40.3	1.170	0.891	56.8	19.5	48 E	36*	25*
8 29	13 50.14	+19 55.2	1.172	0.924	56.1	19.6	49 E	36*	29*
9 3	14 13.73	+15 59.4	1.182	0.956	55.1	19.7	51 E	36*	32*
9 8	14 35.69	+11 59.9	1.199	0.985	53.9	19.7	52 E	35*	35*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
162483 2000 PJ_5 *(continuation)*									
9 13	14 56.23	+ 8 2.4	1.223	1.013	52.5	19.8	53 E	34*	37*
9 18	15 15.52	+ 4 11.6	1.253	1.039	51.0	19.9	53 E	32*	39*
9 23	15 33.77	+ 0 30.8	1.287	1.062	49.4	19.9	54 E	30*	41*
9 28	15 51.13	− 2 58.0	1.326	1.085	47.8	20.0	53 E	29*	42*
10 3	16 7.77	− 6 13.4	1.368	1.105	46.2	20.1	53 E	27*	42*
10 13	16 39.42	−12 2.9	1.459	1.139	43.0	20.2	51 E	23*	42*
10 23	17 9.58	−16 59.0	1.552	1.165	39.9	20.3	49 E	19*	41*
11 2	17 38.92	−21 6.6	1.642	1.184	36.8	20.3	46 E	16*	38*
11 7	17 53.46	−22 54.1	1.685	1.191	35.3	20.4	44 E	15*	37*
11 12	18 7.98	−24 31.7	1.725	1.195	33.9	20.4	42 E	13*	35*
11 17	18 22.53	−25 59.9	1.762	1.198	32.5	20.4	41 E	12*	34*
11 22	18 37.13	−27 19.3	1.795	1.199	31.1	20.4	39 E	11*	32*
11 27	18 51.85	−28 30.4	1.826	1.198	29.8	20.4	37 E	9*	30*
12 2	19 6.72	−29 33.5	1.852	1.195	28.6	20.4	35 E	8*	29*
12 12	19 37.02	−31 17.1	1.891	1.183	26.4	20.3	32 E	6*	26*
12 22	20 8.26	−32 31.7	1.912	1.163	24.7	20.3	30 E	4*	23*
1 1	20 40.67	−33 17.2	1.913	1.135	23.5	20.2	27 E	1*	21*
1 11	21 14.47	−33 32.2	1.894	1.100	23.2	20.1	26 E	—	20*
1 21	21 49.82	−33 13.4	1.855	1.057	23.7	20.0	26 E	—	19*
152575 1994 GY									
12 27	19 12.04	−30 4.3	2.575	1.631	7.6	20.7	13 E	—	7*
1 1	19 28.42	−29 40.4	2.612	1.661	6.9	20.7	12 E	—	6*
1 6	19 44.32	−29 10.7	2.648	1.691	6.1	20.7	11 E	—	4*
1 11	19 59.72	−28 36.0	2.684	1.722	5.5	20.8	10 E	—	3*
1 16	20 14.61	−27 56.9	2.719	1.754	4.9	20.8	9 E	—	2*
1 21	20 29.00	−27 13.9	2.754	1.785	4.5	20.9	8 E	—	1*
1 26	20 42.89	−26 27.8	2.787	1.817	4.3	20.9	8 E	—	—
1 31	20 56.30	−25 38.9	2.819	1.849	4.4	21.0	8 E	—	—
2 5	21 9.24	−24 47.8	2.849	1.881	4.6	21.0	9 W	—	—
2 10	21 21.73	−23 55.0	2.878	1.913	5.1	21.1	10 W	—	1*
2 15	21 33.78	−23 0.8	2.905	1.946	5.7	21.2	11 W	—	3*
2 20	21 45.41	−22 5.7	2.929	1.978	6.4	21.3	13 W	—	5*
2 25	21 56.64	−21 10.0	2.952	2.010	7.2	21.4	15 W	—	7*
3 2	22 7.49	−20 14.0	2.972	2.042	8.0	21.5	17 W	—	9*
247748 2003 OL_{16}									
12 27	19 12.11	−32 51.9	3.289	2.348	5.9	20.7	14 E	—	8*
1 6	19 34.01	−31 31.4	3.270	2.312	4.5	20.6	11 E	—	4*
1 16	19 55.81	−30 0.2	3.240	2.274	3.9	20.5	9 E	—	—
1 26	20 17.44	−28 18.2	3.199	2.236	4.5	20.5	10 W	—	2*
2 5	20 38.82	−26 25.4	3.146	2.198	5.9	20.5	13 W	—	6*
2 15	20 59.94	−24 21.7	3.083	2.160	7.8	20.5	17 W	—	11*
2 25	21 20.75	−22 7.3	3.011	2.121	9.8	20.5	21 W	—	15*
3 7	21 41.26	−19 42.4	2.930	2.082	12.0	20.5	26 W	—	20*
3 17	22 1.49	−17 7.2	2.841	2.043	14.2	20.4	30 W	1*	24*
3 27	22 21.45	−14 21.8	2.746	2.005	16.4	20.4	34 W	3*	28*
4 6	22 41.19	−11 26.4	2.645	1.966	18.6	20.3	39 W	5*	33*
4 16	23 0.77	− 8 21.1	2.540	1.929	20.7	20.3	43 W	8*	37*
4 26	23 20.25	− 5 5.8	2.432	1.892	22.8	20.2	47 W	10*	41*
5 6	23 39.72	− 1 40.6	2.322	1.855	24.9	20.1	51 W	14*	44*
5 16	23 59.26	+ 1 54.4	2.211	1.820	26.9	20.0	54 W	17*	47*
5 26	0 18.97	+ 5 39.2	2.100	1.786	28.8	19.9	58 W	22*	48*
6 5	0 38.99	+ 9 33.6	1.991	1.754	30.6	19.8	62 W	27*	48*
6 15	0 59.43	+13 37.1	1.885	1.724	32.3	19.7	65 W	32*	47*
6 25	1 20.44	+17 48.9	1.783	1.696	33.9	19.6	68 W	39*	45*
7 5	1 42.22	+22 7.7	1.685	1.670	35.3	19.5	72 W	45*	41*
7 10	1 53.45	+24 19.2	1.638	1.658	35.9	19.4	73 W	49*	39*
7 15	2 4.94	+26 31.7	1.593	1.647	36.5	19.4	75 W	53*	37*
7 20	2 16.70	+28 44.6	1.549	1.636	37.1	19.3	76 W	56*	35*
7 25	2 28.78	+30 57.8	1.507	1.626	37.6	19.3	78 W	60*	33*
7 30	2 41.19	+33 10.6	1.467	1.618	38.0	19.2	79 W	64*	31
8 4	2 53.97	+35 22.6	1.428	1.609	38.4	19.1	80 W	67*	29
8 9	3 7.12	+37 33.2	1.391	1.602	38.8	19.1	82 W	71*	26
8 14	3 20.66	+39 41.7	1.356	1.596	39.1	19.0	83 W	74*	24
8 19	3 34.60	+41 47.5	1.322	1.590	39.3	19.0	85 W	77*	22
8 24	3 48.95	+43 49.8	1.290	1.586	39.5	18.9	86 W	79*	20
8 29	4 3.70	+45 48.2	1.260	1.582	39.6	18.9	88 W	82*	18
9 3	4 18.83	+47 42.0	1.230	1.580	39.7	18.8	89 W	83*	16
9 8	4 34.27	+49 30.6	1.203	1.578	39.7	18.8	91 W	84*	14
9 13	4 49.97	+51 13.4	1.176	1.577	39.6	18.7	92 W	83*	13
9 18	5 5.85	+52 50.1	1.151	1.578	39.5	18.7	94 W	82*	11
9 23	5 21.78	+54 20.5	1.127	1.579	39.3	18.6	95 W	81	10
9 28	5 37.64	+55 44.5	1.104	1.581	39.0	18.6	97 W	79	8
10 3	5 53.24	+57 2.2	1.082	1.584	38.6	18.5	99 W	78	7
10 8	6 8.38	+58 13.8	1.060	1.588	38.2	18.5	101 W	77	6
10 13	6 22.81	+59 19.6	1.039	1.593	37.6	18.4	103 W	76	5
10 18	6 36.32	+60 20.0	1.019	1.599	37.0	18.4	105 W	75	4
10 23	6 48.64	+61 15.6	1.000	1.606	36.3	18.3	107 W	74	3

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
247748 2003 OL_{16} *(continuation)*									
10 28	6 59.51	+62 7.0	0.982	1.614	35.5	18.3	110 W	73	2
11 2	7 8.63	+62 54.4	0.964	1.622	34.5	18.2	112 W	72	1
11 7	7 15.69	+63 38.1	0.947	1.632	33.5	18.1	115 W	71	—
11 12	7 20.43	+64 17.6	0.931	1.642	32.4	18.1	117 W	71	—
11 17	7 22.61	+64 52.3	0.917	1.653	31.1	18.0	120 W	70	—
11 22	7 22.06	+65 20.9	0.904	1.664	29.8	18.0	123 W	70	—
11 27	7 18.67	+65 41.7	0.893	1.676	28.4	17.9	126 W	69	—
12 2	7 12.51	+65 52.3	0.884	1.689	26.9	17.9	129 W	69	—
12 4	7 9.32	+65 53.0	0.882	1.695	26.3	17.9	130 W	69	—
12 6	7 5.77	+65 51.5	0.879	1.700	25.8	17.8	131 W	69	—
12 8	7 1.88	+65 47.5	0.877	1.706	25.2	17.8	133 W	69	—
12 10	6 57.72	+65 40.9	0.876	1.711	24.6	17.8	134 W	69	—
12 12	6 53.33	+65 31.6	0.875	1.717	24.0	17.8	135 W	69	—
12 14	6 48.75	+65 19.4	0.875	1.723	23.5	17.8	136 W	70	—
12 16	6 44.06	+65 4.3	0.875	1.729	23.0	17.8	137 W	70	—
12 18	6 39.30	+64 46.2	0.876	1.735	22.5	17.8	138 W	70	—
12 20	6 34.54	+64 25.1	0.878	1.741	22.0	17.8	138 W	71	—
12 22	6 29.82	+64 1.0	0.880	1.747	21.6	17.8	139 W	71	—
12 24	6 25.20	+63 34.0	0.883	1.753	21.2	17.8	140 W	71	—
12 26	6 20.73	+63 4.2	0.887	1.759	20.9	17.8	140 W	72	1
12 28	6 16.44	+62 31.6	0.891	1.766	20.6	17.8	141 E	72	1
12 30	6 12.37	+61 56.5	0.896	1.772	20.4	17.8	141 E	73	2
1 1	6 8.55	+61 18.9	0.902	1.779	20.3	17.8	141 E	74	3
1 6	6 0.27	+59 35.9	0.920	1.795	20.1	17.9	141 E	75	4
1 11	5 53.94	+57 42.5	0.943	1.812	20.3	18.0	140 E	77	6
1 16	5 49.56	+55 42.5	0.971	1.829	20.8	18.1	139 E	79	8
1 21	5 47.01	+53 39.2	1.004	1.847	21.5	18.2	137 E	81	10
302162 2001 SL_{333}									
12 27	19 12.99	−24 53.5	2.635	1.682	6.6	21.2	11 E	—	5*
1 6	19 43.11	−23 58.7	2.638	1.671	4.9	21.1	8 E	—	2*
1 16	20 13.00	−22 42.9	2.640	1.663	3.2	21.0	5 E	—	—
1 26	20 42.46	−21 7.5	2.640	1.658	1.9	20.9	3 E	—	—
2 5	21 11.33	−19 14.5	2.638	1.655	2.0	20.9	3 W	—	—
2 15	21 39.54	−17 6.6	2.635	1.655	3.3	21.0	6 W	—	—
2 25	22 7.03	−14 46.3	2.631	1.657	5.0	21.1	8 W	—	2*
3 7	22 33.78	−12 16.6	2.625	1.663	6.7	21.2	11 W	—	5*
3 17	22 59.84	− 9 40.2	2.617	1.671	8.4	21.3	14 W	—	8*
3 27	23 25.23	− 6 59.9	2.608	1.681	10.1	21.4	17 W	—	11*
4 6	23 50.01	− 4 18.4	2.596	1.694	11.8	21.4	20 W	—	14*
358629 2007 VN_{166}									
12 27	19 13.11	−24 48.9	2.566	1.614	6.9	20.8	11 E	—	5*
1 6	19 44.73	−24 0.0	2.570	1.604	5.3	20.7	9 E	—	2*
1 16	20 16.12	−22 47.8	2.573	1.599	3.7	20.6	6 E	—	—
1 26	20 47.01	−21 14.1	2.577	1.596	2.5	20.5	4 E	—	—
2 5	21 17.23	−19 21.4	2.581	1.598	2.1	20.5	3 E	—	—
2 15	21 46.65	−17 12.7	2.585	1.603	2.9	20.6	5 W	—	—
2 25	22 15.21	−14 51.2	2.589	1.611	4.3	20.7	7 W	—	—
3 7	22 42.89	−12 20.4	2.593	1.623	5.9	20.8	10 W	—	3*
3 17	23 9.73	− 9 43.5	2.596	1.638	7.5	20.9	12 W	—	6*
3 27	23 35.75	− 7 3.6	2.598	1.656	9.1	21.0	15 W	—	9*
4 6	0 1.03	− 4 23.7	2.598	1.676	10.7	21.1	18 W	—	12*
4 16	0 25.64	− 1 46.2	2.596	1.700	12.3	21.2	21 W	—	15*
4 26	0 49.61	+ 0 46.6	2.592	1.725	13.9	21.2	24 W	—	18*
5 6	1 13.02	+ 3 12.9	2.583	1.753	15.5	21.3	28 W	1*	22*
5 16	1 35.88	+ 5 31.1	2.570	1.783	17.0	21.4	31 W	3*	25*
5 26	1 58.21	+ 7 39.9	2.552	1.814	18.5	21.5	35 W	6*	28*
500922 2013 PE_{26}									
12 27	19 13.76	−35 56.8	2.382	1.468	11.1	21.2	17 E	—	10*
1 1	19 28.79	−34 43.5	2.440	1.511	9.7	21.3	15 E	—	8*
1 6	19 42.83	−33 28.6	2.494	1.554	8.4	21.3	13 E	—	6*
1 11	19 56.00	−32 12.9	2.545	1.596	7.3	21.4	12 E	—	4*
1 16	20 8.38	−30 56.6	2.593	1.636	6.4	21.4	11 E	—	2*
1 21	20 20.06	−29 40.2	2.637	1.676	5.8	21.5	10 E	—	—
79150 1992 UR_7									
12 27	19 13.89	−21 31.1	2.564	1.614	7.1	20.4	12 E	3*	3*
1 6	19 44.54	−20 53.5	2.593	1.628	5.3	20.4	9 E	1*	1*
1 16	20 14.56	−19 55.9	2.621	1.645	3.4	20.3	6 E	—	—
1 26	20 43.76	−18 40.6	2.647	1.664	1.5	20.2	2 E	—	—
2 5	21 12.04	−17 10.4	2.671	1.685	0.7	20.2	1 W	—	—
2 15	21 39.36	−15 28.2	2.692	1.709	2.6	20.4	4 W	—	—
2 25	22 5.70	−13 36.9	2.709	1.734	4.5	20.6	8 W	—	2*
3 7	22 31.08	−11 39.3	2.722	1.761	6.4	20.7	11 W	—	5*
3 17	22 55.55	− 9 37.8	2.731	1.789	8.3	20.8	15 W	—	9*
3 27	23 19.16	− 7 35.0	2.734	1.819	10.2	20.9	19 W	—	13*
4 6	23 41.96	− 5 32.8	2.731	1.849	12.0	21.0	23 W	—	17*
4 16	0 4.02	− 3 33.2	2.722	1.880	13.9	21.1	27 W	—	21*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	79150 1992 UR_7 *(continuation)*								
	h m	° ′			°	m	°	°	°
4 26	0 25.37	− 1 37.9	2.706	1.912	15.6	21.2	31 W	2*	25*
5 6	0 46.05	+ 0 11.8	2.683	1.944	17.3	21.3	35 W	3*	29*
5 16	1 6.08	+ 1 54.6	2.652	1.977	18.9	21.4	39 W	6*	33*
5 26	1 25.44	+ 3 29.3	2.613	2.010	20.4	21.4	44 W	8*	37*
6 5	1 44.12	+ 4 55.1	2.567	2.043	21.9	21.5	49 W	12*	41*
6 15	2 2.07	+ 6 11.2	2.513	2.075	23.2	21.5	53 W	16*	45*
6 25	2 19.20	+ 7 16.8	2.450	2.108	24.3	21.5	59 W	21*	48*
7 5	2 35.43	+ 8 11.6	2.381	2.140	25.3	21.5	64 W	27*	51*
7 15	2 50.61	+ 8 54.9	2.304	2.172	26.0	21.5	70 W	33*	52*
7 25	3 4.55	+ 9 26.5	2.222	2.204	26.5	21.4	76 W	39*	54*
8 4	3 17.06	+ 9 46.2	2.134	2.234	26.7	21.4	82 W	45*	54*
8 14	3 27.86	+ 9 53.9	2.043	2.265	26.6	21.3	89 W	50*	54
8 24	3 36.65	+ 9 49.6	1.949	2.295	26.0	21.2	96 W	53*	54
9 3	3 43.13	+ 9 33.6	1.856	2.324	24.9	21.1	104 W	55*	54
9 13	3 46.91	+ 9 6.4	1.767	2.352	23.2	21.0	113 W	54	55
9 23	3 47.71	+ 8 29.2	1.684	2.380	20.8	20.8	123 W	53	56
10 3	3 45.33	+ 7 43.6	1.613	2.406	17.8	20.7	133 W	53	56
10 13	3 39.78	+ 6 52.7	1.557	2.432	14.1	20.5	143 W	52	57
10 23	3 31.44	+ 6 0.8	1.522	2.457	10.1	20.3	154 W	51	58
10 28	3 26.46	+ 5 36.1	1.514	2.470	8.1	20.2	159 W	51	58
11 2	3 21.10	+ 5 13.1	1.513	2.482	6.3	20.2	164 W	50	59
11 7	3 15.52	+ 4 52.7	1.518	2.493	5.2	20.1	167 W	50	59
11 12	3 9.90	+ 4 35.5	1.530	2.505	5.1	20.1	167 W	50	59
11 22	2 59.15	+ 4 12.8	1.577	2.527	7.7	20.4	160 E	49	60
12 2	2 49.99	+ 4 7.4	1.650	2.549	11.3	20.6	150 E	49	60
12 12	2 43.23	+ 4 19.9	1.746	2.569	14.7	20.9	139 E	49	60
12 22	2 39.26	+ 4 48.6	1.862	2.589	17.4	21.1	128 E	50	59
1 1	2 38.12	+ 5 30.9	1.994	2.607	19.4	21.4	118 E	51	58
	137084 1998 XS_{16}								
12 27	19 14.02	−15 42.7	1.568	0.660	21.3	17.5	14 E	8*	1*
1 1	19 42.38	−12 49.9	1.570	0.691	24.4	17.7	17 E	11*	1*
1 6	20 9.49	− 9 52.7	1.576	0.727	26.8	17.9	19 E	13*	1*
1 11	20 35.41	− 6 55.2	1.587	0.767	28.5	18.1	22 E	16*	1*
1 16	21 0.26	− 4 0.4	1.604	0.809	29.5	18.3	24 E	18*	1*
1 21	21 24.12	− 1 10.8	1.625	0.853	30.0	18.4	26 E	20*	1*
1 26	21 47.06	+ 1 31.9	1.652	0.898	30.1	18.6	27 E	21*	1*
1 31	22 9.17	+ 4 6.3	1.683	0.942	29.9	18.7	28 E	22*	1*
2 5	22 30.50	+ 6 31.7	1.719	0.987	29.4	18.8	29 E	23*	1*
2 15	23 11.05	+10 54.5	1.801	1.074	27.8	19.1	30 E	24*	1*
2 25	23 49.09	+14 39.8	1.895	1.157	25.8	19.3	31 E	24*	—
3 7	0 24.95	+17 49.9	1.995	1.235	23.5	19.5	30 E	23*	—
3 17	0 58.93	+20 28.5	2.098	1.309	21.1	19.6	28 E	22*	—
3 27	1 31.26	+22 39.1	2.201	1.377	18.6	19.8	26 E	20*	—
4 6	2 2.18	+24 24.9	2.301	1.440	16.1	19.9	24 E	17*	—
4 16	2 31.87	+25 48.8	2.396	1.498	13.6	20.0	21 E	15*	—
4 26	3 0.47	+26 53.0	2.482	1.551	11.2	20.0	17 E	11*	—
5 6	3 28.10	+27 39.2	2.559	1.598	8.8	20.1	14 E	8*	—
5 16	3 54.87	+28 9.0	2.624	1.641	6.5	20.1	11 E	5*	—
5 26	4 20.84	+28 23.3	2.677	1.679	4.6	20.1	8 E	1*	—
6 5	4 46.04	+28 23.1	2.718	1.712	3.6	20.1	6 W	—	—
6 15	5 10.54	+28 9.2	2.744	1.740	4.1	20.2	7 W	1*	—
6 25	5 34.35	+27 42.0	2.756	1.764	5.8	20.3	10 W	3*	—
7 5	5 57.48	+27 2.1	2.753	1.783	7.9	20.4	14 W	6*	4*
7 15	6 19.98	+26 9.8	2.735	1.797	10.2	20.5	18 W	9*	7*
7 25	6 41.83	+25 5.4	2.702	1.807	12.5	20.6	23 W	13*	10*
8 4	7 3.07	+23 48.9	2.655	1.813	14.8	20.6	27 W	17*	14*
8 14	7 23.71	+22 20.6	2.594	1.814	17.1	20.7	32 W	21*	17*
8 24	7 43.78	+20 40.3	2.519	1.811	19.4	20.7	37 W	26*	20*
9 3	8 3.30	+18 47.7	2.431	1.803	21.7	20.7	41 W	30*	23*
9 13	8 22.30	+16 42.4	2.331	1.790	24.0	20.6	46 W	35*	26*
9 23	8 40.81	+14 23.6	2.221	1.774	26.2	20.6	51 W	39*	29*
10 3	8 58.88	+11 50.3	2.100	1.752	28.3	20.5	56 W	42*	33*
10 13	9 16.54	+ 9 0.9	1.972	1.726	30.4	20.4	61 W	45*	37*
10 23	9 33.85	+ 5 53.4	1.837	1.695	32.4	20.2	66 W	46*	41*
11 2	9 50.91	+ 2 25.0	1.698	1.660	34.4	20.1	71 W	46*	46*
11 12	10 7.80	− 1 28.1	1.556	1.620	36.3	19.9	75 W	43*	51*
11 17	10 16.23	− 3 35.4	1.485	1.598	37.2	19.8	78 W	41*	54*
11 22	10 24.69	− 5 50.8	1.414	1.574	38.1	19.7	80 W	39	58*
11 27	10 33.20	− 8 15.2	1.343	1.550	39.1	19.5	82 W	37	61*
12 2	10 41.82	−10 49.7	1.274	1.524	40.0	19.4	84 W	34	65*
12 7	10 50.58	−13 35.1	1.205	1.497	41.0	19.3	86 W	31	69*
12 12	10 59.56	−16 32.7	1.139	1.469	42.0	19.2	87 W	28	73*
12 17	11 8.87	−19 43.6	1.074	1.439	43.1	19.0	89 W	25	77*
12 22	11 18.62	−23 9.3	1.012	1.408	44.3	18.9	90 W	22	81*
12 27	11 29.02	−26 51.0	0.952	1.376	45.6	18.7	91 W	18	84*
1 1	11 40.28	−30 49.7	0.896	1.342	47.1	18.6	91 W	14	84*
1 6	11 52.78	−35 5.9	0.844	1.307	48.8	18.4	91 W	10	81*
1 11	12 7.03	−39 39.6	0.796	1.271	50.7	18.3	91 W	5	76

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	137084 1998 XS_{16} *(continuation)*								
	h m	° ′			°	m	°	°	°
1 13	12 13.40	−41 33.7	0.778	1.257	51.5	18.3	90 W	3	74
1 15	12 20.23	−43 30.2	0.760	1.241	52.4	18.2	90 W	1	72
1 17	12 27.63	−45 28.9	0.744	1.226	53.3	18.2	89 W	—	71
1 19	12 35.68	−47 29.4	0.728	1.211	54.3	18.1	89 W	—	69
1 21	12 44.51	−49 31.3	0.714	1.195	55.4	18.1	88 W	—	66
	4257 Ubasti								
12 27	19 14.38	+ 1 57.4	3.084	2.265	11.8	20.8	28 E	21*	—
1 6	19 33.21	+ 1 42.7	3.088	2.236	10.7	20.8	25 E	16*	—
1 16	19 52.28	+ 1 40.1	3.080	2.205	9.9	20.7	23 E	11*	—
1 26	20 11.54	+ 1 48.9	3.059	2.172	9.5	20.6	21 W	13*	—
2 5	20 30.95	+ 2 7.9	3.026	2.135	9.5	20.6	21 W	14*	—
2 15	20 50.53	+ 2 36.4	2.979	2.097	10.2	20.5	22 W	16*	1*
2 25	21 10.26	+ 3 13.2	2.920	2.055	11.3	20.5	24 W	17*	7*
3 7	21 30.17	+ 3 57.0	2.849	2.011	12.7	20.4	27 W	18*	12*
3 17	21 50.32	+ 4 46.5	2.766	1.965	14.5	20.4	30 W	19*	17*
3 27	22 10.77	+ 5 40.2	2.672	1.915	16.5	20.3	33 W	19*	22*
4 6	22 31.63	+ 6 36.6	2.567	1.863	18.7	20.3	37 W	20*	26*
4 16	22 53.05	+ 7 34.0	2.453	1.809	21.1	20.2	40 W	21*	30*
4 26	23 15.18	+ 8 30.2	2.330	1.752	23.5	20.1	44 W	21*	34*
5 6	23 38.28	+ 9 23.1	2.200	1.692	26.1	19.9	48 W	22*	37*
5 16	0 2.63	+10 9.9	2.064	1.630	28.8	19.8	51 W	23*	40*
5 26	0 28.58	+10 47.0	1.925	1.565	31.7	19.6	54 W	24*	43*
5 31	0 42.30	+11 0.7	1.855	1.532	33.1	19.6	56 W	24*	44*
6 5	0 56.60	+11 10.4	1.785	1.498	34.6	19.5	57 W	25*	45*
6 10	1 11.55	+11 15.3	1.715	1.464	36.2	19.4	58 W	25*	45*
6 15	1 27.22	+11 14.5	1.646	1.430	37.8	19.3	60 W	26*	46*
6 20	1 43.70	+11 7.3	1.578	1.395	39.4	19.2	61 W	26*	47*
6 25	2 1.05	+10 52.7	1.512	1.360	41.0	19.1	61 W	27*	47*
6 30	2 19.38	+10 29.7	1.448	1.325	42.7	19.0	62 W	27*	48*
7 5	2 38.74	+ 9 57.3	1.388	1.289	44.5	18.9	63 W	27*	49*
7 10	2 59.20	+ 9 14.5	1.331	1.254	46.2	18.8	63 W	27*	49*
7 15	3 20.80	+ 8 20.5	1.279	1.218	48.0	18.7	63 W	27*	50*
7 25	4 7.35	+ 5 57.5	1.193	1.149	51.4	18.5	62 W	26*	50*
8 4	4 57.91	+ 2 52.0	1.135	1.082	54.4	18.3	60 W	24*	50*
8 14	5 51.14	− 0 40.8	1.110	1.019	56.6	18.2	57 W	21*	49*
8 19	6 18.14	− 2 29.3	1.110	0.991	57.2	18.2	55 W	20*	48*
8 24	6 45.06	− 4 14.5	1.119	0.965	57.5	18.1	54 W	18*	46*
8 29	7 11.68	− 5 53.1	1.136	0.941	57.3	18.1	52 W	17*	45*
9 3	7 37.78	− 7 22.7	1.159	0.921	56.6	18.1	50 W	16*	43*
9 8	8 3.21	− 8 41.5	1.188	0.904	55.6	18.1	48 W	15*	41*
9 13	8 27.88	− 9 48.8	1.221	0.891	54.2	18.1	46 W	14*	39*
9 23	9 14.77	−11 28.7	1.295	0.877	50.7	18.1	43 W	13*	36*
10 3	9 58.43	−12 27.5	1.373	0.881	46.6	18.1	40 W	14*	33*
10 13	10 39.09	−12 53.9	1.447	0.902	42.9	18.1	38 W	15*	30*
10 18	10 58.39	−12 57.4	1.480	0.919	41.3	18.2	38 W	16*	29*
10 23	11 17.07	−12 55.6	1.511	0.939	40.0	18.2	37 W	17*	29*
10 28	11 35.17	−12 49.2	1.539	0.962	38.8	18.3	37 W	18*	28*
11 2	11 52.72	−12 38.7	1.563	0.988	38.0	18.4	38 W	20*	27*
11 12	12 26.29	−12 6.6	1.601	1.047	36.9	18.5	39 W	22*	27*
11 22	12 57.99	−11 20.0	1.626	1.111	36.6	18.7	42 W	25*	28*
12 2	13 27.99	−10 18.7	1.637	1.180	36.6	18.8	46 W	28*	29*
12 12	13 56.37	− 9 1.4	1.637	1.250	36.9	19.0	50 W	32*	31*
12 22	14 23.17	− 7 25.9	1.625	1.321	37.2	19.1	54 W	35*	34*
1 1	14 48.38	− 5 30.5	1.605	1.392	37.5	19.2	59 W	38*	38*
1 11	15 11.91	− 3 12.8	1.577	1.461	37.5	19.2	65 W	41*	42*
1 21	15 33.63	− 0 31.3	1.544	1.529	37.4	19.3	71 W	44*	45*
	4183 Cuno								
12 27	19 14.48	−22 26.1	2.746	1.795	6.4	18.1	12 E	2*	4*
1 6	19 38.84	−21 20.9	2.849	1.878	3.8	18.1	7 E	—	—
1 16	20 1.52	−20 7.5	2.940	1.958	1.3	18.1	3 E	—	—
1 26	20 22.67	−18 47.9	3.018	2.035	1.2	18.2	3 W	—	—
2 5	20 42.42	−17 23.8	3.081	2.109	3.6	18.5	8 W	—	1*
2 15	21 0.90	−15 56.6	3.130	2.180	5.9	18.7	13 W	1*	7*
2 25	21 18.18	−14 27.6	3.162	2.248	8.2	18.9	19 W	3*	13*
3 7	21 34.34	−12 57.9	3.177	2.313	10.3	19.1	25 W	5*	19*
3 17	21 49.41	−11 28.5	3.176	2.376	12.4	19.2	31 W	7*	25*
3 27	22 3.41	−10 0.4	3.159	2.436	14.2	19.3	37 W	9*	31*
4 6	22 16.34	− 8 34.4	3.126	2.494	16.0	19.4	43 W	11*	37*
4 16	22 28.17	− 7 11.4	3.077	2.549	17.5	19.5	50 W	14*	43*
4 26	22 38.85	− 5 52.4	3.015	2.602	18.9	19.5	57 W	17*	50*
5 6	22 48.29	− 4 38.3	2.939	2.652	19.9	19.6	64 W	20*	56*
5 16	22 56.39	− 3 30.1	2.852	2.700	20.7	19.6	71 W	23*	61*
5 26	23 3.00	− 2 29.1	2.756	2.746	21.2	19.5	79 W	27*	65*
6 5	23 7.95	− 1 36.3	2.654	2.789	21.3	19.5	87 W	32*	66
6 15	23 11.03	− 0 53.4	2.547	2.830	20.9	19.4	95 W	37*	65
6 25	23 12.04	− 0 21.8	2.441	2.869	20.1	19.3	105 W	41*	64

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4183 Cuno *(continuation)*									
7 5	23 10.78	− 0 3.3	2.338	2.906	18.6	19.2	114 W	44*	64
7 15	23 7.09	+ 0 0.5	2.244	2.941	16.6	19.1	124 W	45	64
7 25	23 0.97	− 0 11.3	2.165	2.974	13.9	18.9	135 W	45	64
8 4	22 52.60	− 0 38.9	2.104	3.005	10.6	18.8	147 W	44	65
8 14	22 42.40	− 1 21.0	2.068	3.034	7.0	18.6	159 W	44	65
8 24	22 31.12	− 2 14.2	2.061	3.061	3.4	18.4	170 W	43	66
8 29	22 25.34	− 2 43.6	2.069	3.074	2.2	18.4	173 E	42	67
9 3	22 19.64	− 3 13.9	2.085	3.086	2.7	18.4	172 E	42	67
9 8	22 14.13	− 3 44.4	2.108	3.098	4.2	18.6	167 E	41	68
9 13	22 8.93	− 4 14.5	2.139	3.109	5.9	18.7	161 E	41	68
9 23	21 59.80	− 5 10.7	2.223	3.131	9.3	18.9	150 E	40	69
10 3	21 52.80	− 5 58.6	2.333	3.150	12.2	19.2	138 E	39	70
10 13	21 48.20	− 6 35.9	2.463	3.168	14.5	19.4	127 E	38	71
10 23	21 46.05	− 7 1.4	2.610	3.183	16.2	19.6	117 E	38	71
11 2	21 46.19	− 7 15.0	2.767	3.197	17.3	19.7	107 E	38	71
11 12	21 48.42	− 7 17.2	2.930	3.209	17.8	19.9	97 E	38	70*
11 22	21 52.45	− 7 8.6	3.095	3.219	17.9	20.0	88 E	38	65*
12 2	21 58.03	− 6 50.2	3.258	3.228	17.5	20.1	80 E	38	58*
12 12	22 4.91	− 6 22.6	3.415	3.234	16.7	20.2	71 E	39*	49*
12 22	22 12.86	− 5 46.8	3.563	3.239	15.7	20.3	63 E	38*	41*
1 1	22 21.69	− 5 3.6	3.700	3.242	14.4	20.3	55 E	37*	33*
1 11	22 31.23	− 4 13.7	3.824	3.244	12.9	20.3	48 E	34*	26*
1 21	22 41.34	− 3 17.9	3.932	3.243	11.3	20.3	40 E	30*	19*
7467 1989 WQ_1									
12 27	19 14.57	−29 39.6	2.808	1.863	6.8	19.9	13 E	—	7*
1 6	19 41.43	−29 11.7	2.822	1.862	5.3	19.8	10 E	—	4*
1 16	20 8.13	−28 27.5	2.827	1.860	4.4	19.8	8 E	—	1*
1 26	20 34.55	−27 28.1	2.824	1.856	4.6	19.8	9 E	—	—
2 5	21 0.59	−26 14.7	2.811	1.852	5.7	19.8	11 W	—	2*
2 15	21 26.22	−24 48.6	2.791	1.846	7.3	19.9	14 W	—	5*
2 25	21 51.39	−23 11.4	2.763	1.840	9.1	19.9	17 W	—	9*
3 7	22 16.10	−21 24.5	2.727	1.832	11.0	20.0	21 W	—	13*
3 17	22 40.37	−19 29.5	2.685	1.824	12.9	20.0	24 W	—	16*
3 27	23 4.22	−17 28.1	2.636	1.814	14.9	20.0	28 W	—	20*
4 6	23 27.71	−15 21.8	2.581	1.804	16.8	20.0	31 W	—	24*
4 16	23 50.90	−13 11.9	2.520	1.793	18.7	20.0	35 W	—	28*
4 26	0 13.84	−11 0.1	2.455	1.780	20.6	20.0	38 W	—	31*
5 6	0 36.59	− 8 47.6	2.385	1.768	22.4	20.0	42 W	—	35*
5 16	0 59.21	− 6 35.7	2.311	1.754	24.2	20.0	45 W	1*	39*
5 26	1 21.75	− 4 25.7	2.233	1.740	25.9	19.9	49 W	3*	43*
6 5	1 44.27	− 2 18.5	2.153	1.725	27.6	19.9	52 W	7*	46*
6 15	2 6.81	− 0 15.4	2.069	1.709	29.3	19.8	55 W	11*	49*
6 25	2 29.37	+ 1 42.8	1.982	1.693	30.8	19.8	59 W	15*	51*
7 5	2 52.01	+ 3 35.5	1.894	1.677	32.4	19.7	62 W	20*	52*
7 15	3 14.70	+ 5 21.9	1.803	1.660	33.8	19.6	65 W	26*	53*
7 25	3 37.43	+ 7 1.7	1.711	1.643	35.2	19.5	69 W	32*	53*
8 4	4 0.20	+ 8 35.1	1.617	1.626	36.5	19.4	72 W	38*	53*
8 14	4 22.92	+10 2.2	1.522	1.609	37.6	19.3	76 W	43*	52*
8 24	4 45.55	+11 23.8	1.427	1.592	38.7	19.1	80 W	48*	51*
9 3	5 8.00	+12 41.3	1.331	1.575	39.5	19.0	83 W	53*	51*
9 13	5 30.14	+13 56.7	1.235	1.559	40.2	18.8	88 W	57*	50*
9 23	5 51.83	+15 12.9	1.140	1.543	40.5	18.6	92 W	60*	49*
10 3	6 12.92	+16 33.9	1.047	1.528	40.6	18.4	97 W	62	47*
10 13	6 33.12	+18 4.9	0.955	1.514	40.2	18.2	102 W	63	46*
10 23	6 52.17	+19 52.8	0.867	1.501	39.3	17.9	107 W	65	44
10 28	7 1.15	+20 55.6	0.825	1.495	38.6	17.8	110 W	66	43
11 2	7 9.67	+22 5.9	0.784	1.489	37.7	17.7	113 W	67	42
11 7	7 17.66	+23 24.8	0.744	1.483	36.7	17.5	117 W	68	41
11 12	7 25.03	+24 53.7	0.706	1.478	35.4	17.3	120 W	70	39
11 17	7 31.69	+26 33.6	0.671	1.473	33.8	17.2	124 W	72	37
11 22	7 37.53	+28 25.5	0.638	1.468	32.1	17.0	128 W	73	36
11 27	7 42.42	+30 30.0	0.608	1.464	30.1	16.9	132 W	75	34
12 2	7 46.19	+32 47.0	0.580	1.460	28.0	16.7	136 W	78	31
12 7	7 48.67	+35 15.6	0.557	1.457	25.7	16.5	140 W	80	29
12 12	7 49.70	+37 53.7	0.537	1.454	23.5	16.4	144 W	83	26
12 17	7 49.17	+40 37.8	0.521	1.451	21.3	16.2	148 W	86	23
12 22	7 46.97	+43 23.4	0.510	1.449	19.6	16.1	150 W	88	21
12 27	7 43.04	+46 4.8	0.503	1.447	18.6	16.1	152 W	89	18
1 1	7 37.48	+48 36.0	0.501	1.446	18.4	16.0	152 W	86	15
1 6	7 30.55	+50 51.1	0.503	1.445	19.1	16.1	151 W	84	13
1 11	7 22.75	+52 45.4	0.510	1.445	20.5	16.1	149 E	82	11
1 13	7 19.53	+53 24.7	0.513	1.445	21.2	16.2	148 E	82	11
1 15	7 16.30	+54 0.1	0.518	1.445	21.9	16.2	147 E	81	10
1 17	7 13.13	+54 31.6	0.523	1.445	22.7	16.3	145 E	80	9
1 19	7 10.05	+54 59.3	0.528	1.445	23.6	16.3	144 E	80	9
1 21	7 7.10	+55 23.2	0.534	1.445	24.4	16.4	143 E	80	9

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
5649 Donnashirley									
12 27	19 15.09	−37 57.1	3.612	2.696	6.6	20.0	18 E	—	11*
1 6	19 35.71	−37 3.7	3.602	2.669	5.7	20.0	16 E	—	7*
1 16	19 56.30	−36 3.1	3.577	2.640	5.6	19.9	15 E	—	3*
1 26	20 16.73	−34 55.6	3.539	2.610	6.2	19.9	17 W	—	5*
2 5	20 36.94	−33 41.3	3.487	2.579	7.4	19.9	20 W	—	10*
2 15	20 56.87	−32 20.7	3.422	2.548	8.9	19.9	24 W	—	14*
2 25	21 16.45	−30 54.2	3.346	2.515	10.6	19.9	28 W	—	19*
3 7	21 35.67	−29 22.5	3.258	2.481	12.5	19.9	33 W	—	24*
3 17	21 54.49	−27 46.1	3.159	2.447	14.3	19.9	38 W	—	29*
3 27	22 12.89	−26 5.7	3.051	2.412	16.2	19.8	42 W	—	34*
4 6	22 30.86	−24 21.9	2.935	2.376	18.1	19.8	47 W	—	39*
4 16	22 48.40	−22 35.5	2.811	2.339	19.9	19.7	52 W	—	45*
4 26	23 5.47	−20 46.9	2.680	2.301	21.6	19.6	57 W	1*	50*
5 6	23 22.08	−18 56.8	2.544	2.263	23.3	19.5	63 W	3*	56*
5 16	23 38.20	−17 5.6	2.403	2.224	24.9	19.4	68 W	6*	61*
5 26	23 53.76	−15 13.7	2.259	2.185	26.3	19.3	73 W	10*	67*
6 5	0 8.74	−13 21.4	2.112	2.145	27.6	19.1	78 W	14*	71*
6 15	0 23.03	−11 28.7	1.964	2.105	28.6	18.9	83 W	18*	74*
6 25	0 36.50	− 9 35.6	1.816	2.064	29.5	18.8	89 W	24*	74*
7 5	0 49.00	− 7 41.6	1.670	2.023	30.1	18.5	95 W	29*	72
7 15	1 0.27	− 5 45.8	1.525	1.983	30.3	18.3	101 W	35*	70
7 25	1 9.99	− 3 46.9	1.385	1.942	30.0	18.0	107 W	40*	68
8 4	1 17.77	− 1 42.8	1.249	1.902	29.2	17.8	114 W	43*	66
8 14	1 23.01	+ 0 29.1	1.121	1.863	27.6	17.4	121 W	45	64
8 24	1 25.06	+ 2 52.5	1.003	1.824	25.2	17.1	130 W	48	61
9 3	1 23.13	+ 5 30.9	0.897	1.786	21.7	16.7	139 W	51	58
9 13	1 16.44	+ 8 26.5	0.807	1.749	17.1	16.3	149 W	53	56
9 23	1 4.64	+11 38.0	0.736	1.714	11.5	15.8	160 W	57	52
9 28	0 56.93	+13 17.4	0.709	1.697	8.8	15.6	165 W	58	51
10 3	0 48.22	+14 57.0	0.688	1.681	6.8	15.4	168 W	60	49
10 8	0 38.78	+16 34.6	0.674	1.665	6.8	15.4	169 E	62	47
10 13	0 28.99	+18 8.3	0.665	1.650	8.9	15.4	165 E	63	46
10 18	0 19.28	+19 36.6	0.663	1.635	12.0	15.5	160 E	65	44
10 23	0 10.05	+20 58.1	0.666	1.621	15.5	15.6	154 E	66	43
10 28	0 1.69	+22 12.6	0.675	1.608	18.9	15.7	148 E	67	42
11 2	23 54.52	+23 20.3	0.688	1.595	22.1	15.9	143 E	68	41
11 7	23 48.76	+24 22.1	0.705	1.583	25.1	16.0	137 E	69	40
11 12	23 44.57	+25 19.4	0.726	1.572	27.8	16.1	132 E	70	39
11 17	23 42.00	+26 13.7	0.749	1.562	30.1	16.2	128 E	71	38
11 22	23 41.04	+27 5.9	0.774	1.553	32.2	16.4	123 E	72	37
11 27	23 41.62	+27 57.3	0.801	1.545	33.9	16.5	119 E	73	36
12 2	23 43.70	+28 48.4	0.830	1.537	35.4	16.6	115 E	74	35*
12 7	23 47.19	+29 40.1	0.860	1.531	36.6	16.7	112 E	75	34*
12 12	23 52.01	+30 32.9	0.890	1.526	37.6	16.8	109 E	76	33*
12 17	23 58.08	+31 26.9	0.921	1.521	38.4	16.9	106 E	76	31*
12 22	0 5.31	+32 22.0	0.952	1.518	39.1	17.0	103 E	77	29*
12 27	0 13.63	+33 18.2	0.983	1.516	39.6	17.0	101 E	78	27*
1 1	0 22.99	+34 15.0	1.015	1.515	39.9	17.1	99 E	79	25*
1 6	0 33.36	+35 12.4	1.047	1.515	40.2	17.2	96 E	80	24*
1 11	0 44.69	+36 9.7	1.079	1.516	40.3	17.3	94 E	81	22*
1 16	0 56.93	+37 6.5	1.112	1.518	40.3	17.3	93 E	82*	20*
1 21	1 10.03	+38 2.1	1.145	1.521	40.3	17.4	91 E	83*	19*
25330 1999 KV_4									
12 27	19 15.19	−30 55.4	2.949	2.008	6.7	21.0	14 E	—	8*
1 6	19 39.41	−30 19.8	2.988	2.029	5.1	20.9	11 E	—	4*
1 16	20 3.10	−29 32.9	3.014	2.048	4.3	20.9	9 E	—	1*
1 26	20 26.18	−28 35.9	3.027	2.065	4.7	21.0	10 W	—	—
2 5	20 48.65	−27 30.1	3.028	2.079	6.1	21.1	13 W	—	5*
2 15	21 10.50	−26 17.0	3.015	2.090	7.9	21.2	17 W	—	9*
2 25	21 31.72	−24 57.8	2.990	2.099	9.9	21.2	21 W	—	14*
3 7	21 52.33	−23 34.0	2.952	2.106	11.9	21.3	26 W	—	19*
3 17	22 12.36	−22 6.7	2.902	2.110	14.0	21.3	31 W	—	23*
3 27	22 31.82	−20 37.4	2.840	2.112	16.0	21.4	36 W	—	28*
4 6	22 50.75	−19 7.1	2.767	2.111	18.0	21.4	41 W	—	33*
4 16	23 9.18	−17 37.1	2.684	2.108	19.9	21.4	46 W	—	39*
4 26	23 27.11	−16 8.6	2.591	2.102	21.7	21.3	51 W	1*	44*
5 6	23 44.57	−14 42.7	2.489	2.094	23.5	21.3	56 W	3*	49*
5 16	0 1.55	−13 20.5	2.379	2.083	25.1	21.2	61 W	6*	55*
5 26	0 18.04	−12 3.4	2.262	2.070	26.6	21.2	66 W	8*	60*
6 5	0 34.01	−10 52.4	2.140	2.055	27.9	21.1	71 W	12*	65*
6 15	0 49.39	− 9 48.9	2.012	2.037	29.0	20.9	77 W	16*	69*
6 25	1 4.10	− 8 54.2	1.881	2.016	30.0	20.8	82 W	21*	71*
7 5	1 18.01	− 8 9.6	1.747	1.993	30.7	20.6	88 W	25*	72*
7 15	1 30.91	− 7 36.8	1.612	1.968	31.0	20.4	94 W	30*	72
7 25	1 42.55	− 7 17.3	1.478	1.940	31.0	20.2	101 W	34*	71
8 4	1 52.59	− 7 12.5	1.345	1.909	30.5	20.0	107 W	37*	71
8 14	2 0.52	− 7 24.2	1.215	1.877	29.4	19.7	114 W	38*	71
8 24	2 5.74	− 7 53.1	1.092	1.841	27.7	19.3	122 W	37	72
9 3	2 7.49	− 8 39.3	0.976	1.803	25.1	19.0	131 W	36	73
9 13	2 4.82	− 9 40.7	0.872	1.763	21.7	18.6	140 W	35	74

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
25330 1999 KV_4 *(continuation)*									
9 18	2 1.57	−10 15.2	0.825	1.742	19.7	18.4	144 W	35	74
9 23	1 56.92	−10 50.4	0.782	1.721	17.5	18.2	149 W	34	75
9 28	1 50.83	−11 24.8	0.743	1.699	15.4	18.0	153 W	34	75
10 3	1 43.32	−11 56.2	0.709	1.676	13.5	17.8	157 W	33	76
10 8	1 34.49	−12 21.8	0.680	1.653	12.4	17.6	159 W	33	76
10 13	1 24.58	−12 38.8	0.657	1.629	12.4	17.5	159 W	32	77
10 18	1 13.91	−12 44.6	0.639	1.605	13.8	17.4	157 E	32	77
10 23	1 2.88	−12 37.3	0.626	1.580	16.4	17.5	153 E	32	77
10 28	0 51.94	−12 15.6	0.619	1.555	19.6	17.5	148 E	33	76
11 2	0 41.53	−11 39.3	0.617	1.529	23.2	17.6	143 E	33	76
11 7	0 32.05	−10 48.9	0.618	1.503	26.8	17.6	137 E	34	75
11 12	0 23.84	− 9 45.5	0.624	1.477	30.4	17.7	131 E	35	74
11 17	0 17.08	− 8 30.8	0.632	1.450	33.8	17.8	125 E	36	73
11 22	0 11.86	− 7 6.6	0.643	1.423	37.0	17.9	120 E	38	71
11 27	0 8.20	− 5 34.5	0.655	1.395	39.9	18.0	115 E	39	70
12 2	0 6.07	− 3 55.7	0.668	1.368	42.6	18.1	110 E	41	68
12 7	0 5.39	− 2 11.2	0.682	1.340	45.1	18.1	106 E	43	66*
12 12	0 6.08	− 0 21.7	0.695	1.312	47.3	18.2	101 E	45	63*
12 22	0 11.12	+ 3 30.3	0.719	1.257	51.3	18.3	94 E	49	56*
1 1	0 20.44	+ 7 37.4	0.738	1.203	54.7	18.3	87 E	53	48*
1 11	0 33.54	+11 58.9	0.749	1.151	57.8	18.4	82 E	57	41*
1 21	0 50.11	+16 33.9	0.752	1.103	60.6	18.4	78 E	61*	34*
488789 2004 XK_{50}									
12 27	19 15.35	−31 13.5	1.861	0.937	14.7	21.3	14 E	—	8*
1 1	19 38.80	−32 5.2	1.919	1.001	14.6	21.5	15 E	—	9*
1 6	20 1.21	−32 38.8	1.978	1.064	14.4	21.7	16 E	—	9*
1 11	20 22.60	−32 57.2	2.035	1.125	14.1	21.9	16 E	—	10*
1 16	20 42.99	−33 2.6	2.092	1.184	13.8	22.1	17 E	—	10*
276109 2002 GL_5									
12 27	19 15.57	−24 26.2	2.418	1.470	8.0	19.7	12 E	1*	5*
1 6	19 49.40	−23 7.0	2.425	1.465	6.5	19.6	10 E	—	3*
1 16	20 22.63	−21 21.9	2.434	1.464	4.9	19.6	7 E	—	1*
1 26	20 54.99	−19 14.1	2.445	1.467	3.5	19.5	5 E	—	—
2 5	21 26.34	−16 47.1	2.458	1.474	2.0	19.4	3 E	—	—
2 15	21 56.62	−14 5.1	2.472	1.485	1.0	19.4	1 E	—	—
2 25	22 25.83	−11 12.2	2.488	1.500	1.7	19.5	3 W	—	—
3 7	22 54.02	− 8 12.4	2.505	1.518	3.1	19.6	5 W	—	—
3 17	23 21.29	− 5 9.3	2.522	1.540	4.7	19.8	7 W	—	1*
3 27	23 47.71	− 2 6.3	2.538	1.564	6.3	19.9	10 W	—	4*
4 6	0 13.41	+ 0 53.7	2.552	1.592	7.9	20.0	13 W	—	7*
4 16	0 38.49	+ 3 48.4	2.565	1.621	9.6	20.1	16 W	—	10*
4 26	1 3.02	+ 6 35.7	2.574	1.652	11.2	20.2	19 W	1*	13*
5 6	1 27.08	+ 9 13.9	2.579	1.685	12.9	20.3	22 W	3*	16*
5 16	1 50.72	+11 41.7	2.580	1.720	14.5	20.5	25 W	5*	19*
5 26	2 13.96	+13 58.2	2.575	1.755	16.1	20.5	29 W	7*	22*
6 5	2 36.80	+16 2.6	2.563	1.791	17.7	20.6	32 W	10*	24*
6 15	2 59.23	+17 54.7	2.545	1.828	19.2	20.7	36 W	14*	27*
6 25	3 21.19	+19 34.1	2.519	1.865	20.7	20.8	40 W	19*	29*
7 5	3 42.63	+21 1.1	2.486	1.903	22.1	20.8	45 W	24*	31*
7 15	4 3.43	+22 16.0	2.444	1.940	23.4	20.9	49 W	29*	32*
7 25	4 23.47	+23 19.4	2.394	1.977	24.6	20.9	54 W	35*	33*
8 4	4 42.62	+24 12.3	2.336	2.014	25.6	20.9	59 W	42*	34*
8 14	5 0.69	+24 55.6	2.270	2.051	26.5	20.9	65 W	48*	35*
8 24	5 17.46	+25 30.9	2.196	2.086	27.2	20.9	70 W	55*	36*
9 3	5 32.73	+25 59.6	2.116	2.122	27.5	20.9	77 W	61*	36*
9 13	5 46.19	+26 23.5	2.029	2.157	27.6	20.8	83 W	66*	37*
9 23	5 57.52	+26 44.6	1.939	2.190	27.3	20.8	90 W	71*	37*
10 3	6 6.36	+27 4.6	1.847	2.224	26.4	20.7	98 W	72	37*
10 13	6 12.28	+27 25.2	1.755	2.256	25.1	20.5	107 W	72	37
10 23	6 14.86	+27 47.4	1.667	2.287	23.0	20.4	116 W	73	36
11 2	6 13.71	+28 11.2	1.588	2.317	20.2	20.2	126 W	73	36
11 12	6 8.61	+28 35.1	1.521	2.347	16.6	20.1	137 W	74	35
11 22	5 59.75	+28 55.6	1.472	2.375	12.3	19.9	149 W	74	35
11 27	5 54.10	+29 3.3	1.456	2.389	9.9	19.8	155 W	74	35
12 2	5 47.81	+29 8.6	1.447	2.403	7.5	19.6	162 W	74	35
12 7	5 41.06	+29 11.0	1.444	2.416	5.1	19.5	168 W	74	35
12 12	5 34.09	+29 10.3	1.449	2.429	3.0	19.4	173 W	74	35
12 17	5 27.11	+29 6.5	1.461	2.442	2.5	19.4	174 E	74	35
12 22	5 20.35	+28 59.9	1.480	2.454	4.2	19.6	169 E	74	35
12 27	5 14.01	+28 50.8	1.507	2.466	6.4	19.7	164 E	74	35
1 1	5 8.25	+28 39.8	1.540	2.478	8.7	19.9	158 E	74	35
1 6	5 3.22	+28 27.6	1.580	2.490	10.8	20.1	152 E	73	36
1 11	4 59.03	+28 14.9	1.626	2.501	12.8	20.2	146 E	73	36
1 16	4 55.73	+28 2.3	1.678	2.512	14.6	20.3	140 E	73	36
1 21	4 53.33	+27 50.2	1.734	2.523	16.2	20.5	134 E	73	36

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
280017 2001 WC_2									
12 27	19 15.78	−10 56.9	4.239	3.315	5.1	21.2	18 E	12*	—
1 6	19 28.78	−10 7.3	4.290	3.341	3.9	21.1	13 E	7*	—
1 16	19 41.60	− 9 11.8	4.323	3.367	3.5	21.2	12 W	4*	—
1 26	19 54.15	− 8 10.3	4.337	3.391	4.1	21.2	14 W	8*	—
2 5	20 6.34	− 7 3.2	4.333	3.415	5.4	21.3	19 W	12*	5*
2 15	20 18.11	− 5 50.8	4.312	3.438	6.9	21.4	25 W	15*	12*
2 25	20 29.35	− 4 33.3	4.273	3.460	8.4	21.4	31 W	18*	19*
3 7	20 40.00	− 3 11.4	4.217	3.482	10.0	21.5	37 W	21*	27*
178833 2001 HN_{12}									
12 27	19 15.90	−26 51.9	2.586	1.639	7.4	19.4	12 E	—	6*
1 6	19 47.72	−25 53.4	2.588	1.628	5.9	19.3	10 E	—	4*
1 16	20 19.26	−24 30.9	2.591	1.620	4.5	19.2	7 E	—	1*
1 26	20 50.22	−22 46.3	2.593	1.616	3.4	19.1	6 E	—	—
2 5	21 20.43	−20 42.2	2.596	1.616	3.0	19.1	5 E	—	—
2 15	21 49.76	−18 21.8	2.599	1.620	3.5	19.2	6 W	—	—
2 25	22 18.15	−15 48.6	2.603	1.627	4.5	19.2	7 W	—	—
3 7	22 45.59	−13 6.1	2.608	1.638	5.9	19.3	10 W	—	3*
3 17	23 12.13	−10 17.6	2.612	1.653	7.4	19.4	12 W	—	6*
3 27	23 37.81	− 7 26.4	2.615	1.671	8.9	19.5	15 W	—	8*
4 6	0 2.70	− 4 35.4	2.616	1.692	10.5	19.6	18 W	—	12*
4 16	0 26.89	− 1 47.0	2.616	1.716	12.0	19.7	21 W	—	15*
4 26	0 50.42	+ 0 56.4	2.613	1.743	13.6	19.8	24 W	—	18*
5 6	1 13.36	+ 3 33.1	2.606	1.772	15.2	19.9	27 W	1*	21*
5 16	1 35.75	+ 6 1.8	2.595	1.803	16.7	19.9	31 W	3*	25*
5 26	1 57.60	+ 8 21.0	2.579	1.837	18.2	20.0	35 W	6*	28*
6 5	2 18.91	+10 30.2	2.557	1.871	19.7	20.1	38 W	10*	31*
6 15	2 39.65	+12 28.7	2.528	1.907	21.1	20.1	42 W	14*	34*
6 25	2 59.77	+14 16.2	2.493	1.944	22.4	20.2	47 W	19*	36*
7 5	3 19.20	+15 52.9	2.451	1.982	23.6	20.2	51 W	24*	38*
7 15	3 37.83	+17 19.0	2.401	2.021	24.7	20.3	56 W	31*	40*
7 25	3 55.52	+18 34.9	2.344	2.060	25.6	20.3	61 W	37*	41*
8 4	4 12.12	+19 41.5	2.279	2.099	26.4	20.3	67 W	44*	41*
8 14	4 27.41	+20 39.8	2.208	2.139	26.9	20.3	73 W	51*	42*
8 24	4 41.15	+21 31.0	2.131	2.179	27.1	20.3	79 W	57*	42*
9 3	4 53.07	+22 16.4	2.050	2.218	27.0	20.2	86 W	63*	42*
9 13	5 2.83	+22 57.6	1.965	2.258	26.4	20.1	93 W	67*	41
9 23	5 10.06	+23 35.9	1.879	2.297	25.4	20.0	101 W	69	40
10 3	5 14.39	+24 12.4	1.795	2.337	23.7	19.9	110 W	69	40
10 13	5 15.42	+24 47.7	1.717	2.375	21.4	19.8	120 W	70	39
10 23	5 12.91	+25 21.3	1.649	2.413	18.4	19.6	130 W	70	39
11 2	5 6.83	+25 51.7	1.596	2.451	14.7	19.5	141 W	71	38
11 12	4 57.53	+26 16.1	1.564	2.488	10.3	19.3	153 W	71	38
11 17	4 51.94	+26 25.2	1.557	2.506	8.0	19.2	159 W	71	38
11 22	4 45.92	+26 31.9	1.556	2.525	5.6	19.1	166 W	72	37
11 27	4 39.65	+26 35.9	1.563	2.543	3.3	19.0	171 W	72	37
12 2	4 33.31	+26 37.4	1.576	2.560	1.8	19.0	175 W	72	37
12 7	4 27.10	+26 36.6	1.598	2.578	2.8	19.1	173 E	72	37
12 12	4 21.21	+26 33.8	1.626	2.595	4.9	19.2	167 E	72	37
12 17	4 15.80	+26 29.6	1.662	2.613	7.0	19.4	161 E	71	38
12 22	4 11.00	+26 24.5	1.705	2.630	9.1	19.6	155 E	71	38
12 27	4 6.89	+26 19.1	1.754	2.647	11.0	19.7	149 E	71	38
1 1	4 3.55	+26 13.8	1.809	2.664	12.7	19.9	143 E	71	38
1 6	4 1.01	+26 9.2	1.869	2.680	14.3	20.0	138 E	71	38
1 11	3 59.28	+26 5.6	1.934	2.696	15.6	20.1	132 E	71	38
1 16	3 58.35	+26 3.3	2.003	2.712	16.8	20.3	127 E	71	38
1 21	3 58.19	+26 2.3	2.076	2.728	17.8	20.4	122 E	71	38
154331 2002 VF_{95}									
12 27	19 16.13	−19 24.9	2.641	1.697	7.4	21.2	13 E	5*	3*
1 6	19 44.55	−18 30.2	2.634	1.673	5.6	21.1	10 E	3*	—
1 16	20 13.14	−17 16.6	2.624	1.650	3.8	20.9	6 E	—	—
1 26	20 41.74	−15 45.1	2.612	1.630	2.2	20.8	4 E	—	—
2 5	21 10.25	−13 57.0	2.598	1.613	1.4	20.7	2 W	—	—
2 15	21 38.58	−11 54.1	2.582	1.598	2.4	20.7	4 W	—	—
2 25	22 6.67	− 9 38.7	2.566	1.586	3.9	20.8	6 W	—	—
3 7	22 34.49	− 7 13.2	2.550	1.577	5.6	20.9	9 W	—	3*
3 17	23 2.07	− 4 40.5	2.533	1.571	7.3	20.9	12 W	—	5*
3 27	23 29.41	− 2 3.4	2.517	1.568	8.9	21.0	14 W	—	8*
4 6	23 56.54	+ 0 35.2	2.500	1.569	10.6	21.0	17 W	1*	11*
4 16	0 23.52	+ 3 12.3	2.484	1.572	12.2	21.1	19 W	2*	13*
4 26	0 50.37	+ 5 45.1	2.468	1.579	13.7	21.1	22 W	3*	16*
5 6	1 17.11	+ 8 11.1	2.450	1.589	15.3	21.2	25 W	4*	18*
5 16	1 43.78	+10 28.0	2.432	1.602	16.8	21.2	27 W	5*	21*
5 26	2 10.33	+12 33.4	2.413	1.617	18.3	21.3	30 W	7*	23*
6 5	2 36.76	+14 25.7	2.391	1.635	19.7	21.4	33 W	9*	25*
6 15	3 3.00	+16 3.5	2.366	1.656	21.1	21.4	36 W	12*	27*
6 25	3 28.95	+17 25.6	2.339	1.678	22.5	21.4	39 W	16*	29*
7 5	3 54.52	+18 31.7	2.307	1.703	23.8	21.5	43 W	20*	31*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
85953 1999 FK_{21}									
12 27	19 16.28	−22 11.6	1.032	0.220	71.2	17.4	12 E	3*	4*
12 28	19 24.37	−22 32.3	0.992	0.224	81.3	17.7	13 E	3*	5*
12 29	19 31.71	−22 55.4	0.952	0.232	91.0	18.0	14 E	3*	6*
12 30	19 38.27	−23 20.9	0.912	0.243	99.9	18.5	14 E	3*	6*
12 31	19 44.08	−23 48.5	0.873	0.257	108.0	18.9	14 E	3*	7*
1 1	19 49.20	−24 18.0	0.836	0.273	115.0	19.4	15 E	2*	7*
1 2	19 53.73	−24 49.1	0.801	0.291	121.2	19.9	15 E	2*	8*
1 3	19 57.74	−25 21.7	0.767	0.310	126.6	20.4	15 E	1*	8*
1 4	20 1.32	−25 55.4	0.735	0.329	131.2	20.9	15 E	1*	8*
1 5	20 4.54	−26 30.3	0.705	0.348	135.3	21.3	14 E	—	8*
99761 2002 JK_{101}									
12 27	19 16.78	−19 39.8	3.898	2.948	4.3	21.4	13 E	5*	3*
1 6	19 32.51	−19 39.9	3.936	2.961	2.1	21.3	6 E	—	—
1 16	19 48.19	−19 33.7	3.957	2.974	0.5	21.2	2 W	—	—
1 26	20 3.71	−19 21.8	3.960	2.985	2.3	21.3	7 W	—	—
2 5	20 19.02	−19 5.3	3.946	2.996	4.4	21.5	14 W	1*	7*
132124 2002 CW_{237}									
12 27	19 17.06	−39 23.3	3.646	2.740	6.9	20.2	20 E	—	12*
1 6	19 38.23	−38 48.6	3.684	2.763	6.2	20.2	18 E	—	8*
1 16	19 58.97	−38 7.9	3.709	2.785	6.0	20.2	17 E	—	4*
1 26	20 19.19	−37 22.3	3.720	2.806	6.5	20.3	19 W	—	6*
2 5	20 38.80	−36 32.8	3.716	2.826	7.5	20.3	22 W	—	11*
2 15	20 57.78	−35 40.7	3.699	2.846	8.8	20.4	26 W	—	15*
2 25	21 16.06	−34 47.1	3.667	2.864	10.2	20.5	31 W	—	20*
3 7	21 33.61	−33 53.5	3.623	2.882	11.7	20.5	36 W	—	26*
3 17	21 50.40	−33 1.2	3.565	2.899	13.2	20.5	42 W	—	31*
3 27	22 6.39	−32 11.6	3.496	2.915	14.6	20.6	47 W	—	37*
4 6	22 21.54	−31 26.1	3.415	2.929	15.9	20.6	53 W	—	43*
4 16	22 35.80	−30 46.3	3.324	2.943	17.1	20.6	59 W	—	49*
4 26	22 49.10	−30 13.7	3.224	2.956	18.1	20.5	66 W	—	55*
5 6	23 1.34	−29 49.7	3.116	2.969	18.9	20.5	72 W	—	62*
5 16	23 12.43	−29 36.0	3.003	2.980	19.5	20.4	79 W	—	70*
5 26	23 22.19	−29 34.1	2.886	2.990	19.8	20.4	86 W	2*	77*
6 5	23 30.47	−29 45.0	2.767	2.999	19.7	20.3	93 W	5*	84*
6 15	23 37.02	−30 10.0	2.649	3.008	19.4	20.2	101 W	8*	86
6 25	23 41.59	−30 49.4	2.535	3.015	18.6	20.1	108 W	10*	85
7 5	23 43.90	−31 42.5	2.427	3.022	17.5	19.9	117 W	12*	84
7 15	23 43.63	−32 47.6	2.330	3.027	16.0	19.8	125 W	12*	83
7 25	23 40.57	−34 0.6	2.247	3.032	14.2	19.7	133 W	11	82
7 30	23 37.96	−34 38.3	2.212	3.034	13.2	19.6	137 W	10	81
8 4	23 34.63	−35 15.6	2.183	3.035	12.3	19.5	141 W	10	81
8 9	23 30.61	−35 51.4	2.158	3.037	11.3	19.5	144 W	9	80
8 14	23 25.95	−36 24.6	2.139	3.038	10.5	19.4	147 W	9	80
8 19	23 20.74	−36 54.1	2.127	3.039	9.9	19.4	149 W	8	79
8 24	23 15.07	−37 18.7	2.120	3.040	9.5	19.4	150 W	8	79
8 29	23 9.08	−37 37.7	2.121	3.040	9.4	19.4	150 W	7	78
9 3	23 2.90	−37 50.2	2.127	3.040	9.7	19.4	150 W	7	78
9 8	22 56.69	−37 55.8	2.140	3.041	10.2	19.4	148 E	7	78
9 13	22 50.60	−37 54.2	2.160	3.040	10.9	19.5	145 E	7	78
9 18	22 44.79	−37 45.3	2.185	3.040	11.8	19.5	142 E	7	78
9 23	22 39.39	−37 29.5	2.216	3.039	12.7	19.6	138 E	8	79
9 28	22 34.51	−37 7.1	2.253	3.038	13.7	19.7	134 E	8	79
10 3	22 30.22	−36 38.9	2.295	3.037	14.6	19.7	130 E	8	79
10 8	22 26.60	−36 5.4	2.342	3.036	15.5	19.8	126 E	9	80
10 13	22 23.68	−35 27.2	2.392	3.034	16.3	19.9	121 E	10	81
10 23	22 19.98	−33 59.6	2.504	3.030	17.6	20.0	113 E	11	82
11 2	22 19.04	−32 20.9	2.626	3.025	18.5	20.2	104 E	13	84
11 12	22 20.61	−30 34.8	2.755	3.020	19.0	20.3	96 E	14	85
11 22	22 24.37	−28 43.8	2.887	3.013	19.1	20.4	88 E	16	82*
12 2	22 29.99	−26 49.6	3.018	3.005	18.8	20.5	80 E	18	73*
12 12	22 37.15	−24 53.2	3.147	2.997	18.2	20.5	72 E	20	64*
12 22	22 45.59	−22 55.4	3.269	2.987	17.3	20.6	65 E	22*	55*
1 1	22 55.06	−20 56.5	3.384	2.976	16.2	20.6	58 E	23*	47*
1 11	23 5.37	−18 56.7	3.489	2.965	14.9	20.6	51 E	23*	40*
1 21	23 16.36	−16 56.4	3.582	2.953	13.4	20.6	44 E	22*	33*
200175 1999 JH_{14}									
12 27	19 17.11	−34 8.5	3.661	2.729	5.7	21.5	16 E	—	9*
1 6	19 36.80	−33 50.5	3.700	2.750	4.6	21.4	13 E	—	5*
1 16	19 56.26	−33 26.3	3.723	2.771	4.4	21.5	13 E	—	1*
1 26	20 15.40	−32 57.1	3.732	2.791	5.1	21.5	15 W	—	4*
2 5	20 34.14	−32 23.6	3.726	2.810	6.5	21.6	19 W	—	10*
1009 Sirene									
12 27	19 17.38	−11 31.1	3.638	2.715	6.2	19.4	17 E	11*	—
1 6	19 33.91	−10 52.7	3.616	2.669	4.8	19.2	13 E	7*	—
1 16	19 50.83	−10 4.6	3.580	2.621	4.1	19.1	11 W	2*	—
1 26	20 8.07	− 9 6.7	3.530	2.572	4.4	19.1	11 W	5*	—

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
1009 Sirene *(continuation)*									
2 5	20 25.57	− 7 58.9	3.466	2.523	5.6	19.1	14 W	8*	1*
2 15	20 43.30	− 6 41.4	3.390	2.472	7.2	19.0	18 W	10*	7*
2 25	21 1.22	− 5 14.2	3.302	2.421	9.2	19.0	23 W	12*	13*
3 7	21 19.31	− 3 37.8	3.204	2.370	11.2	19.0	28 W	14*	18*
3 17	21 37.59	− 1 52.3	3.098	2.317	13.2	19.0	32 W	16*	23*
3 27	21 56.05	+ 0 1.6	2.983	2.265	15.3	18.9	37 W	18*	28*
4 6	22 14.73	+ 2 3.4	2.863	2.211	17.4	18.8	41 W	20*	32*
4 16	22 33.68	+ 4 12.6	2.737	2.158	19.4	18.7	46 W	22*	36*
4 26	22 52.96	+ 6 28.2	2.608	2.104	21.4	18.6	50 W	24*	39*
5 6	23 12.64	+ 8 49.4	2.476	2.050	23.4	18.5	54 W	26*	42*
5 16	23 32.84	+11 15.1	2.344	1.996	25.4	18.4	58 W	29*	44*
5 26	23 53.65	+13 43.8	2.212	1.943	27.3	18.3	61 W	32*	45*
6 5	0 15.22	+16 13.8	2.081	1.890	29.1	18.1	65 W	35*	45*
6 15	0 37.70	+18 43.0	1.952	1.838	30.9	18.0	68 W	39*	44*
6 20	0 49.32	+19 56.4	1.888	1.813	31.8	17.9	70 W	42*	43*
6 25	1 1.23	+21 8.6	1.826	1.788	32.7	17.8	72 W	44*	42*
6 30	1 13.44	+22 19.1	1.765	1.763	33.5	17.8	73 W	47*	41*
7 5	1 25.99	+23 27.4	1.704	1.739	34.3	17.7	75 W	49*	40*
7 10	1 38.87	+24 33.0	1.645	1.715	35.2	17.6	76 W	52*	39*
7 15	1 52.10	+25 35.3	1.587	1.691	35.9	17.5	78 W	54*	38
7 20	2 5.69	+26 33.6	1.530	1.669	36.7	17.4	79 W	57*	37
7 25	2 19.65	+27 27.4	1.475	1.647	37.5	17.3	80 W	59*	37
7 30	2 33.97	+28 15.8	1.421	1.626	38.2	17.2	82 W	62*	36
8 4	2 48.65	+28 58.2	1.368	1.605	38.9	17.2	83 W	64*	35
8 9	3 3.66	+29 33.7	1.317	1.585	39.5	17.1	85 W	66*	34
8 14	3 18.95	+30 1.5	1.268	1.567	40.2	17.0	86 W	68*	34
8 19	3 34.49	+30 20.8	1.220	1.549	40.7	16.9	87 W	70*	34
8 24	3 50.22	+30 30.9	1.173	1.533	41.3	16.8	89 W	71*	33
8 29	4 6.07	+30 31.1	1.129	1.517	41.7	16.7	90 W	72*	33
9 3	4 21.94	+30 20.7	1.085	1.503	42.1	16.6	92 W	73*	34
9 8	4 37.74	+29 59.1	1.044	1.490	42.5	16.5	93 W	74*	34
9 13	4 53.34	+29 25.9	1.004	1.478	42.7	16.4	95 W	74*	35
9 18	5 8.65	+28 40.9	0.966	1.468	42.9	16.3	96 W	74*	35
9 23	5 23.55	+27 43.9	0.930	1.460	42.9	16.2	98 W	73	36
9 28	5 37.93	+26 35.0	0.896	1.452	42.9	16.1	100 W	72	37
10 3	5 51.67	+25 14.5	0.863	1.447	42.7	16.0	102 W	70	39
10 8	6 4.65	+23 42.6	0.832	1.442	42.3	15.9	104 W	69	40
10 13	6 16.76	+22 0.1	0.803	1.440	41.8	15.8	106 W	67	42
10 23	6 38.08	+18 6.5	0.751	1.440	40.4	15.7	110 W	63	46
11 2	6 54.98	+13 42.3	0.707	1.446	38.2	15.5	116 W	59	50
11 12	7 6.88	+ 8 59.8	0.672	1.458	35.3	15.3	122 W	54	55
11 17	7 10.87	+ 6 36.5	0.658	1.467	33.7	15.2	125 W	52	57
11 22	7 13.52	+ 4 15.0	0.647	1.477	31.8	15.2	128 W	49	60
11 27	7 14.85	+ 1 57.8	0.639	1.488	29.9	15.1	131 W	47	62
12 2	7 14.89	− 0 12.5	0.634	1.501	27.9	15.0	135 W	45	64
12 7	7 13.72	− 2 13.0	0.633	1.515	25.9	15.0	138 W	43	66
12 12	7 11.50	− 4 1.0	0.635	1.530	23.9	15.0	141 W	41	68
12 17	7 8.41	− 5 34.3	0.640	1.547	22.2	14.9	144 W	39	70
12 22	7 4.67	− 6 51.1	0.650	1.564	20.7	15.0	146 W	38	71
12 27	7 0.53	− 7 50.3	0.663	1.583	19.5	15.0	147 W	37	72
1 1	6 56.25	− 8 31.7	0.680	1.602	18.8	15.0	148 W	36	73
1 6	6 52.10	− 8 55.3	0.702	1.623	18.6	15.1	148 E	36	73
1 11	6 48.32	− 9 2.6	0.727	1.644	18.7	15.2	148 E	36	73
1 16	6 45.13	− 8 55.3	0.756	1.666	19.2	15.4	146 E	36	73
1 21	6 42.66	− 8 35.5	0.790	1.688	20.0	15.5	144 E	36	73
129493 1995 BM_2									
12 27	19 17.38	−10 43.4	3.665	2.747	6.3	20.9	18 E	12*	—
1 6	19 33.46	− 9 51.3	3.713	2.770	5.0	20.9	14 E	8*	—
1 16	19 49.31	− 8 51.6	3.746	2.792	4.2	20.9	12 W	3*	—
1 26	20 4.84	− 7 44.6	3.763	2.813	4.5	20.9	13 W	7*	—
2 5	20 19.99	− 6 30.8	3.765	2.832	5.6	21.0	16 W	10*	1*
2 15	20 34.71	− 5 10.7	3.752	2.852	7.1	21.1	21 W	13*	8*
2 25	20 48.93	− 3 44.8	3.724	2.870	8.8	21.1	26 W	16*	15*
3 7	21 2.60	− 2 13.7	3.681	2.887	10.5	21.2	32 W	18*	21*
3 17	21 15.67	− 0 37.9	3.625	2.903	12.1	21.2	38 W	21*	27*
3 27	21 28.05	+ 1 1.8	3.556	2.918	13.7	21.3	44 W	23*	33*
4 6	21 39.69	+ 2 44.7	3.475	2.932	15.1	21.3	50 W	26*	39*
4 16	21 50.49	+ 4 30.3	3.383	2.945	16.4	21.3	56 W	29*	44*
4 26	22 0.36	+ 6 17.6	3.282	2.958	17.6	21.3	63 W	32*	48*
5 6	22 9.18	+ 8 5.9	3.173	2.969	18.5	21.2	69 W	36*	52*
5 16	22 16.82	+ 9 54.1	3.057	2.979	19.2	21.2	76 W	40*	53*
5 26	22 23.11	+11 41.0	2.937	2.988	19.7	21.1	83 W	45*	52
6 5	22 27.87	+13 25.1	2.815	2.997	19.8	21.0	90 W	50*	51
6 15	22 30.91	+15 4.5	2.693	3.004	19.6	20.9	98 W	55*	49
6 25	22 32.01	+16 36.7	2.575	3.010	19.0	20.8	106 W	60*	47
7 5	22 31.02	+17 58.6	2.462	3.016	18.0	20.7	114 W	63	46
7 15	22 27.82	+19 6.4	2.360	3.020	16.6	20.6	122 W	64	45
7 25	22 22.45	+19 55.6	2.270	3.024	14.9	20.4	130 W	65	44
8 4	22 15.14	+20 22.2	2.198	3.026	13.1	20.3	138 W	65	44

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
129493 1995 BM_2 *(continuation)*									
8 14	22 6.36	+20 22.7	2.146	3.027	11.3	20.2	144 W	65	44
8 24	21 56.85	+19 55.9	2.118	3.028	10.0	20.1	149 E	65	44
8 29	21 52.10	+19 32.7	2.113	3.028	9.7	20.1	150 E	65	44
9 3	21 47.48	+19 3.5	2.115	3.027	9.8	20.1	149 E	64	45
9 8	21 43.11	+18 29.0	2.123	3.026	10.1	20.1	148 E	63	46
9 13	21 39.10	+17 50.2	2.137	3.026	10.6	20.1	146 E	63	46
9 18	21 35.54	+17 7.9	2.157	3.024	11.4	20.2	143 E	62	47
9 23	21 32.48	+16 23.1	2.183	3.023	12.3	20.2	140 E	61	48
9 28	21 29.97	+15 36.9	2.215	3.021	13.2	20.3	136 E	61	48
10 3	21 28.06	+14 50.2	2.251	3.019	14.1	20.4	133 E	60	49
10 8	21 26.75	+14 3.9	2.293	3.017	15.0	20.4	128 E	59	50
10 13	21 26.08	+13 18.7	2.339	3.015	15.9	20.5	124 E	58	51
10 18	21 26.01	+12 35.4	2.388	3.012	16.7	20.6	120 E	58	51
10 23	21 26.54	+11 54.5	2.441	3.009	17.3	20.6	116 E	57	52
10 28	21 27.65	+11 16.4	2.497	3.006	17.9	20.7	111 E	56	53
11 2	21 29.30	+10 41.5	2.555	3.003	18.4	20.8	107 E	56	53
11 7	21 31.48	+10 10.0	2.615	2.999	18.8	20.8	103 E	55	54*
11 12	21 34.15	+ 9 42.2	2.676	2.995	19.0	20.9	99 E	55	53*
11 17	21 37.28	+ 9 18.1	2.738	2.991	19.2	20.9	95 E	54	52*
11 22	21 40.83	+ 8 57.8	2.801	2.987	19.3	21.0	91 E	54	50*
11 27	21 44.77	+ 8 41.2	2.864	2.982	19.3	21.0	87 E	54	48*
12 2	21 49.08	+ 8 28.4	2.927	2.977	19.2	21.1	83 E	53	45*
12 7	21 53.72	+ 8 19.2	2.989	2.972	19.0	21.1	80 E	53*	42*
12 12	21 58.67	+ 8 13.6	3.051	2.967	18.8	21.1	76 E	53*	39*
12 17	22 3.89	+ 8 11.6	3.111	2.961	18.4	21.2	72 E	53*	36*
12 22	22 9.37	+ 8 12.9	3.169	2.956	18.0	21.2	69 E	52*	33*
12 27	22 15.09	+ 8 17.4	3.226	2.949	17.6	21.2	65 E	51*	29*
1 1	22 21.02	+ 8 24.9	3.281	2.943	17.1	21.2	62 E	49*	26*
1 6	22 27.14	+ 8 35.5	3.334	2.937	16.5	21.2	58 E	48*	23*
1 11	22 33.45	+ 8 48.9	3.385	2.930	15.9	21.2	55 E	46*	20*
1 16	22 39.91	+ 9 4.9	3.432	2.923	15.3	21.2	51 E	43*	17*
1 21	22 46.52	+ 9 23.4	3.477	2.915	14.6	21.2	48 E	41*	14*
280244 2002 WP_{11}									
12 27	19 17.54	−20 40.9	2.165	1.225	10.2	20.9	13 E	4*	4*
1 6	19 56.20	−18 48.6	2.149	1.204	9.7	20.8	12 E	4*	2*
1 16	20 34.64	−16 23.6	2.141	1.192	9.3	20.8	11 E	4*	1*
1 26	21 12.45	−13 30.4	2.141	1.188	8.9	20.7	11 E	4*	—
2 5	21 49.35	−10 15.5	2.151	1.194	8.5	20.7	10 E	4*	—
2 15	22 25.21	− 6 45.9	2.171	1.209	8.0	20.8	10 E	4*	—
2 25	22 59.95	− 3 9.3	2.199	1.232	7.3	20.8	9 E	3*	—
3 7	23 33.61	+ 0 27.5	2.236	1.263	6.6	20.9	8 E	2*	—
3 17	0 6.26	+ 3 58.4	2.281	1.300	5.6	20.9	7 E	1*	—
3 27	0 37.97	+ 7 18.4	2.331	1.343	4.5	21.0	6 E	—	—
4 6	1 8.83	+10 23.9	2.385	1.391	3.4	21.0	5 E	—	—
4 16	1 38.92	+13 12.3	2.442	1.442	2.3	21.1	3 E	—	—
4 26	2 8.27	+15 41.9	2.500	1.495	1.8	21.2	3 W	—	—
5 6	2 36.91	+17 51.9	2.556	1.551	2.5	21.4	4 W	—	—
238518 2004 TC_{121}									
12 27	19 17.56	−23 46.5	2.591	1.644	7.4	20.8	12 E	2*	5*
1 6	19 47.84	−22 26.0	2.606	1.644	5.5	20.7	9 E	—	2*
1 16	20 17.51	−20 45.5	2.621	1.646	3.7	20.6	6 E	—	—
1 26	20 46.39	−18 47.5	2.634	1.652	1.8	20.5	3 E	—	—
2 5	21 14.41	−16 34.5	2.646	1.660	0.3	20.4	1 E	—	—
2 15	21 41.54	−14 9.3	2.657	1.672	1.9	20.6	3 W	—	—
2 25	22 7.78	−11 34.9	2.665	1.685	3.8	20.7	6 W	—	—
3 7	22 33.17	− 8 54.1	2.671	1.701	5.7	20.8	10 W	—	4*
3 17	22 57.78	− 6 9.4	2.674	1.720	7.5	21.0	13 W	—	7*
3 27	23 21.66	− 3 23.3	2.674	1.740	9.3	21.1	16 W	1*	10*
4 6	23 44.88	− 0 37.9	2.671	1.763	11.1	21.2	20 W	2*	14*
4 16	0 7.54	+ 2 4.9	2.662	1.787	12.9	21.2	23 W	4*	17*
4 26	0 29.66	+ 4 43.4	2.650	1.812	14.6	21.3	27 W	5*	21*
5 6	0 51.30	+ 7 16.1	2.631	1.839	16.3	21.4	31 W	8*	24*
5 16	1 12.51	+ 9 41.9	2.607	1.867	18.0	21.5	35 W	10*	27*
154715 2004 LB_6									
12 27	19 17.89	−20 15.7	2.014	1.078	11.8	20.8	13 E	5*	4*
1 6	19 58.73	−18 54.8	1.945	1.008	12.2	20.6	12 E	5*	3*
1 16	20 41.72	−16 51.4	1.878	0.943	13.2	20.4	13 E	5*	3*
1 26	21 26.52	−14 3.7	1.815	0.889	15.1	20.3	14 E	6*	3*
2 5	22 12.73	−10 33.9	1.760	0.849	17.8	20.2	15 E	8*	4*
2 10	22 36.23	− 8 35.1	1.736	0.836	19.3	20.2	16 E	9*	5*
2 15	22 59.93	− 6 28.7	1.715	0.828	21.0	20.2	17 E	10*	6*
2 20	23 23.76	− 4 16.6	1.697	0.824	22.6	20.2	19 E	11*	7*
2 25	23 47.68	− 2 0.5	1.683	0.827	24.3	20.2	20 E	12*	8*
3 2	0 11.64	+ 0 17.5	1.673	0.834	25.8	20.3	21 E	13*	9*
3 7	0 35.59	+ 2 35.2	1.668	0.847	27.1	20.4	23 E	15*	10*
3 12	0 59.49	+ 4 50.4	1.667	0.864	28.2	20.4	24 E	16*	11*
3 17	1 23.30	+ 7 1.2	1.671	0.885	29.1	20.5	26 E	17*	12*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
154715 2004 LB_6 *(continuation)*									
3 22	1 46.96	+ 9 5.7	1.680	0.910	29.6	20.6	27 E	18*	13*
3 27	2 10.43	+11 2.2	1.694	0.938	29.9	20.7	28 E	19*	14*
4 1	2 33.63	+12 49.4	1.713	0.969	30.0	20.8	29 E	20*	15*
4 6	2 56.54	+14 26.4	1.737	1.002	29.8	20.9	30 E	20*	16*
4 11	3 19.08	+15 52.6	1.765	1.036	29.5	21.0	31 E	20*	16*
4 16	3 41.21	+17 7.6	1.797	1.072	29.0	21.1	31 E	21*	17*
4 21	4 2.87	+18 11.3	1.833	1.109	28.3	21.2	32 E	20*	18*
4 26	4 24.01	+19 4.0	1.872	1.146	27.5	21.3	32 E	20*	18*
5 1	4 44.60	+19 46.0	1.914	1.184	26.7	21.4	32 E	19*	19*
5 6	5 4.60	+20 18.0	1.959	1.222	25.7	21.5	32 E	19*	19*
90367 2003 LC_5									
12 27	19 19.04	−27 4.8	1.955	1.022	12.6	20.0	13 E	—	7*
1 1	19 39.92	−26 51.5	1.918	0.984	12.9	19.9	13 E	—	7*
1 6	20 1.51	−26 25.5	1.880	0.947	13.4	19.8	13 E	—	7*
1 11	20 23.79	−25 45.5	1.840	0.909	14.1	19.7	13 E	—	7*
1 16	20 46.70	−24 50.0	1.799	0.872	15.1	19.6	13 E	—	7*
1 21	21 10.19	−23 37.9	1.756	0.835	16.5	19.5	14 E	—	8*
1 26	21 34.17	−22 7.8	1.713	0.800	18.1	19.4	15 E	1*	8*
1 31	21 58.57	−20 18.7	1.670	0.767	20.1	19.3	16 E	2*	9*
2 5	22 23.30	−18 9.9	1.626	0.737	22.5	19.3	17 E	4*	10*
2 15	23 13.38	−12 52.7	1.539	0.690	28.4	19.2	19 E	7*	11*
2 25	0 3.74	− 6 22.4	1.456	0.665	35.3	19.2	23 E	12*	13*
3 7	0 54.08	+ 1 1.7	1.382	0.668	42.1	19.3	27 E	17*	15*
3 12	1 19.31	+ 4 54.7	1.350	0.680	45.1	19.3	29 E	19*	15*
3 17	1 44.69	+ 8 48.9	1.323	0.698	47.5	19.4	31 E	22*	16*
3 22	2 10.31	+12 39.4	1.301	0.722	49.4	19.5	33 E	25*	16*
3 27	2 36.30	+16 21.4	1.286	0.750	50.8	19.6	36 E	27*	16*
4 1	3 2.73	+19 50.3	1.276	0.781	51.5	19.7	38 E	30*	17*
4 6	3 29.66	+23 2.0	1.273	0.815	51.8	19.8	40 E	32*	17*
4 11	3 57.07	+25 52.9	1.276	0.851	51.6	19.9	42 E	34*	17*
4 16	4 24.87	+28 20.2	1.285	0.888	51.1	20.0	44 E	35*	18*
4 21	4 52.91	+30 22.1	1.299	0.925	50.4	20.1	45 E	37*	18*
4 26	5 20.96	+31 57.8	1.318	0.963	49.4	20.2	47 E	38*	19*
5 1	5 48.76	+33 7.3	1.343	1.000	48.3	20.3	48 E	39*	20*
5 6	6 16.05	+33 51.9	1.371	1.038	47.1	20.3	49 E	40*	20*
5 11	6 42.59	+34 13.2	1.403	1.074	45.8	20.4	50 E	40*	21*
5 16	7 8.17	+34 13.5	1.438	1.110	44.5	20.5	50 E	40*	22*
5 21	7 32.64	+33 55.4	1.477	1.145	43.1	20.6	51 E	39*	23*
5 26	7 55.91	+33 21.5	1.517	1.179	41.8	20.7	51 E	39*	24*
5 31	8 17.95	+32 34.3	1.560	1.211	40.5	20.8	51 E	38*	25*
6 5	8 38.77	+31 36.1	1.604	1.243	39.2	20.9	51 E	36*	26*
6 10	8 58.43	+30 29.0	1.650	1.274	38.0	20.9	51 E	35*	27*
6 15	9 17.00	+29 14.9	1.697	1.303	36.7	21.0	50 E	34*	28*
6 20	9 34.56	+27 55.3	1.744	1.332	35.5	21.1	50 E	32*	29*
6 25	9 51.19	+26 31.4	1.792	1.359	34.3	21.2	49 E	31*	30*
6 30	10 6.98	+25 4.4	1.841	1.384	33.1	21.2	48 E	29*	30*
7 5	10 22.03	+23 35.0	1.889	1.409	31.9	21.3	47 E	27*	31*
7 10	10 36.42	+22 4.0	1.937	1.432	30.7	21.3	46 E	26*	31*
7 15	10 50.22	+20 31.9	1.985	1.454	29.6	21.4	45 E	25*	31*
7 20	11 3.51	+18 59.3	2.032	1.475	28.4	21.4	44 E	23*	31*
7 25	11 16.35	+17 26.6	2.078	1.495	27.3	21.5	42 E	22*	30*
334042 2001 EC_{18}									
12 27	19 19.07	−29 51.8	2.283	1.351	10.2	21.3	14 E	—	8*
1 1	19 37.57	−28 52.9	2.298	1.358	9.4	21.3	13 E	—	7*
1 6	19 55.57	−27 46.3	2.313	1.367	8.6	21.3	12 E	—	6*
1 11	20 13.06	−26 32.7	2.329	1.376	7.8	21.3	11 E	—	5*
1 16	20 30.02	−25 12.9	2.345	1.386	7.0	21.3	10 E	—	4*
1 21	20 46.47	−23 47.7	2.361	1.397	6.2	21.3	9 E	—	3*
1 26	21 2.40	−22 17.9	2.377	1.407	5.4	21.3	8 E	—	2*
1 31	21 17.83	−20 44.0	2.393	1.419	4.5	21.2	7 E	—	1*
2 5	21 32.80	−19 6.9	2.409	1.431	3.7	21.2	5 E	—	—
2 10	21 47.32	−17 26.9	2.425	1.443	3.0	21.2	4 E	—	—
2 15	22 1.42	−15 44.9	2.440	1.455	2.4	21.2	3 E	—	—
2 20	22 15.13	−14 1.1	2.455	1.468	2.0	21.2	3 E	—	—
2 25	22 28.48	−12 16.2	2.469	1.481	2.1	21.3	3 W	—	—
3 2	22 41.50	−10 30.5	2.482	1.495	2.6	21.3	4 W	—	—
3 7	22 54.22	− 8 44.3	2.494	1.508	3.4	21.4	5 W	—	—
3 12	23 6.67	− 6 58.0	2.506	1.522	4.2	21.5	6 W	—	—
163242 2002 FE									
12 27	19 19.16	−37 57.1	3.960	3.046	6.0	21.1	19 E	—	11*
1 6	19 37.20	−37 8.7	3.971	3.038	5.1	21.0	16 E	—	7*
1 16	19 55.07	−36 16.5	3.966	3.028	4.9	21.0	15 E	—	3*
1 26	20 12.68	−35 21.0	3.945	3.018	5.5	21.0	17 W	—	6*
2 5	20 29.95	−34 22.4	3.908	3.007	6.7	21.1	21 W	—	11*
2 15	20 46.84	−33 21.5	3.855	2.995	8.2	21.1	26 W	—	17*
2 25	21 3.26	−32 18.8	3.787	2.982	9.8	21.1	31 W	—	22*
3 7	21 19.18	−31 15.2	3.704	2.967	11.5	21.1	37 W	—	28*

163242 2002 *FE* *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
3 17	21 34.53	−30 11.6	3.608	2.952	13.2	21.1	42 W	—	34*
3 27	21 49.26	−29 8.9	3.500	2.935	14.8	21.1	49 W	—	40*
4 6	22 3.31	−28 8.1	3.380	2.918	16.2	21.0	55 W	—	46*
4 16	22 16.62	−27 10.3	3.250	2.899	17.6	21.0	61 W	—	53*
4 26	22 29.09	−26 16.8	3.112	2.880	18.8	20.9	67 W	2*	60*
5 6	22 40.63	−25 28.6	2.966	2.859	19.8	20.8	74 W	4*	67*
5 16	22 51.11	−24 47.2	2.816	2.838	20.6	20.7	81 W	7*	74*
5 26	23 0.34	−24 13.9	2.662	2.815	21.1	20.6	88 W	9*	82*
6 5	23 8.14	−23 49.9	2.507	2.791	21.2	20.5	95 W	12*	88
6 15	23 14.25	−23 36.6	2.353	2.767	20.9	20.3	103 W	16*	88
6 25	23 18.35	−23 34.8	2.203	2.741	20.2	20.1	111 W	18*	88
7 5	23 20.12	−23 44.9	2.060	2.714	18.9	19.9	120 W	20*	88
7 15	23 19.17	−24 6.3	1.928	2.687	17.1	19.7	129 W	21	88
7 25	23 15.20	−24 36.5	1.810	2.658	14.6	19.4	139 W	20	89
8 4	23 8.05	−25 11.2	1.710	2.629	11.7	19.2	148 W	20	89
8 9	23 3.30	−25 28.2	1.669	2.613	10.1	19.1	153 W	20	89
8 14	22 57.85	−25 43.6	1.634	2.598	8.6	18.9	157 W	19	90
8 19	22 51.79	−25 56.3	1.605	2.582	7.4	18.8	161 W	19	90
8 24	22 45.24	−26 5.2	1.582	2.567	6.6	18.7	163 W	19	90
8 29	22 38.36	−26 9.5	1.567	2.550	6.6	18.7	163 W	19	90
9 3	22 31.33	−26 8.2	1.559	2.534	7.4	18.7	161 E	19	90
9 8	22 24.34	−26 0.9	1.557	2.518	8.8	18.8	157 E	19	90
9 13	22 17.59	−25 47.4	1.562	2.501	10.5	18.8	153 E	19	90
9 18	22 11.26	−25 27.5	1.574	2.484	12.4	18.9	148 E	20	89
9 23	22 5.50	−25 1.7	1.592	2.467	14.2	19.0	143 E	20	89
9 28	22 0.44	−24 30.5	1.615	2.449	16.0	19.1	138 E	20	89
10 3	21 56.16	−23 54.4	1.643	2.432	17.7	19.1	132 E	21	88
10 13	21 50.20	−22 29.8	1.712	2.396	20.7	19.3	122 E	23	86
10 23	21 47.73	−20 52.7	1.793	2.360	22.9	19.4	112 E	24	85
11 2	21 48.56	−19 6.5	1.883	2.322	24.6	19.5	103 E	26	83
11 12	21 52.36	−17 13.3	1.977	2.284	25.6	19.6	95 E	28	80*
11 22	21 58.70	−15 14.1	2.071	2.246	26.0	19.7	87 E	30	72*
12 2	22 7.21	−13 9.4	2.164	2.207	26.1	19.8	79 E	32	63*
12 12	22 17.55	−10 58.9	2.251	2.168	25.7	19.8	72 E	34	55*
12 22	22 29.44	− 8 42.6	2.333	2.128	24.9	19.8	66 E	36*	46*
1 1	22 42.66	− 6 20.3	2.406	2.088	24.0	19.8	60 E	37*	39*
1 11	22 57.04	− 3 51.8	2.471	2.048	22.8	19.8	54 E	37*	32*
1 21	23 12.46	− 1 17.1	2.527	2.007	21.4	19.8	48 E	35*	25*

96590 1998 *XB*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 27	19 19.35	−26 33.1	1.527	0.611	21.3	17.1	13 E	—	7*
1 1	19 53.82	−26 1.8	1.518	0.631	25.1	17.3	16 E	2*	9*
1 6	20 27.22	−24 58.6	1.512	0.656	28.2	17.4	18 E	4*	11*
1 11	20 59.20	−23 27.4	1.509	0.685	30.6	17.6	21 E	6*	13*
1 16	21 29.52	−21 32.9	1.511	0.716	32.4	17.7	23 E	8*	15*
1 21	21 58.09	−19 20.1	1.516	0.748	33.6	17.9	25 E	10*	16*
1 26	22 24.93	−16 54.1	1.526	0.782	34.3	18.0	27 E	12*	17*
1 31	22 50.13	−14 19.3	1.540	0.816	34.6	18.1	28 E	14*	18*
2 5	23 13.84	−11 39.4	1.558	0.849	34.6	18.2	29 E	16*	18*
2 10	23 36.21	− 8 57.6	1.580	0.882	34.4	18.3	30 E	18*	18*
2 15	23 57.41	− 6 16.5	1.604	0.914	33.9	18.4	31 E	19*	19*
2 20	0 17.60	− 3 38.0	1.631	0.945	33.3	18.5	32 E	20*	18*
2 25	0 36.91	− 1 3.6	1.660	0.975	32.6	18.6	32 E	21*	18*
3 2	0 55.47	+ 1 25.7	1.691	1.003	31.8	18.7	32 E	22*	18*
3 7	1 13.42	+ 3 49.1	1.723	1.030	30.9	18.8	32 E	22*	17*
3 17	1 47.89	+ 8 16.7	1.788	1.078	29.1	18.9	32 E	22*	16*
3 27	2 21.01	+12 17.0	1.853	1.120	27.2	19.0	31 E	22*	15*
4 6	2 53.32	+15 49.3	1.916	1.155	25.2	19.1	29 E	21*	14*
4 16	3 25.25	+18 53.9	1.974	1.183	23.3	19.1	28 E	19*	13*
4 26	3 57.12	+21 31.0	2.025	1.204	21.4	19.2	26 E	17*	12*
5 6	4 29.14	+23 40.7	2.069	1.218	19.6	19.2	24 E	15*	10*
5 16	5 1.48	+25 22.9	2.104	1.226	17.9	19.2	22 E	13*	9*
5 26	5 34.23	+26 37.4	2.130	1.226	16.3	19.2	20 E	11*	8*
6 5	6 7.42	+27 23.6	2.145	1.219	14.7	19.1	18 E	9*	7*
6 15	6 41.05	+27 40.9	2.150	1.206	13.4	19.0	16 E	7*	5*
6 25	7 15.09	+27 28.4	2.145	1.186	12.2	19.0	14 E	6*	4*
7 5	7 49.50	+26 45.1	2.128	1.159	11.2	18.9	13 E	5*	3*
7 15	8 24.26	+25 30.1	2.102	1.124	10.4	18.7	12 E	4*	2*
7 25	8 59.34	+23 42.1	2.066	1.083	9.9	18.6	11 E	3*	1*
8 4	9 34.81	+21 19.6	2.020	1.036	9.8	18.4	10 E	3*	—
8 14	10 10.80	+18 21.1	1.966	0.982	9.9	18.3	10 E	3*	—
8 24	10 47.50	+14 44.9	1.904	0.922	10.4	18.1	10 E	3*	—
9 3	11 25.25	+10 29.3	1.835	0.858	11.4	17.9	10 E	2*	1*
9 13	12 4.54	+ 5 33.1	1.760	0.790	13.2	17.7	10 E	2*	2*
9 23	12 45.99	− 0 2.8	1.678	0.724	16.2	17.5	12 E	2*	4*
9 28	13 7.78	− 3 4.4	1.635	0.692	18.4	17.4	13 E	2*	6*
10 3	13 30.45	− 6 13.6	1.590	0.663	21.2	17.4	14 E	2*	7*
10 8	13 54.12	− 9 28.7	1.543	0.637	24.6	17.3	15 E	2*	9*
10 13	14 18.94	−12 47.0	1.494	0.616	28.6	17.3	17 E	2*	11*

96590 1998 *XB* *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 18	14 45.03	−16 4.7	1.443	0.600	33.1	17.3	19 E	2*	13*
10 23	15 12.51	−19 17.5	1.391	0.591	38.1	17.3	21 E	2*	15*
10 28	15 41.50	−22 19.9	1.339	0.589	43.1	17.4	24 E	2*	18*
11 2	16 12.06	−25 6.0	1.287	0.595	48.0	17.4	26 E	2*	20*
11 7	16 44.17	−27 29.8	1.236	0.608	52.5	17.5	29 E	3*	23*
11 12	17 17.75	−29 25.2	1.189	0.627	56.3	17.6	32 E	4*	26*
11 17	17 52.54	−30 47.0	1.146	0.651	59.4	17.7	35 E	5*	28*
11 22	18 28.15	−31 31.2	1.108	0.679	61.7	17.8	37 E	6*	31*
11 27	19 4.02	−31 35.5	1.076	0.710	63.2	17.9	40 E	8*	34*
12 2	19 39.54	−30 59.6	1.051	0.742	64.0	17.9	43 E	10*	36*
12 7	20 14.09	−29 45.7	1.033	0.776	64.2	18.0	45 E	12*	38*
12 12	20 47.14	−27 57.9	1.021	0.809	63.8	18.1	48 E	14*	40*
12 17	21 18.33	−25 42.1	1.017	0.843	63.1	18.1	50 E	17*	41*
12 22	21 47.50	−23 4.7	1.019	0.876	62.0	18.2	52 E	20*	42*
12 27	22 14.62	−20 12.0	1.027	0.908	60.7	18.2	54 E	23*	42*
1 1	22 39.81	−17 10.1	1.041	0.939	59.3	18.3	55 E	26*	42*
1 6	23 3.23	−14 3.8	1.060	0.969	57.8	18.3	56 E	29*	42*
1 11	23 25.08	−10 57.4	1.083	0.998	56.2	18.4	57 E	32*	41*
1 16	23 45.54	− 7 53.8	1.110	1.025	54.7	18.5	58 E	35*	40*
1 21	0 4.83	− 4 55.3	1.141	1.050	53.2	18.5	59 E	37*	39*

433965 1999 SD_{10}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 27	19 19.37	−23 46.8	2.371	1.429	8.8	20.4	13 E	2*	5*
1 6	19 55.38	−22 47.1	2.361	1.408	7.7	20.4	11 E	1*	4*
1 16	20 31.37	−21 16.6	2.357	1.396	6.6	20.3	9 E	—	2*
1 26	21 6.88	−19 17.7	2.359	1.391	5.6	20.2	8 E	—	1*
1 31	21 24.33	−18 8.9	2.363	1.392	5.1	20.2	7 E	—	1*
2 5	21 41.54	−16 54.6	2.369	1.395	4.7	20.2	7 E	—	—
2 10	21 58.48	−15 35.6	2.377	1.400	4.2	20.2	6 E	—	—
2 15	22 15.12	−14 12.4	2.387	1.407	3.8	20.2	5 E	—	—
2 20	22 31.46	−12 46.0	2.398	1.416	3.3	20.2	5 E	—	—
2 25	22 47.48	−11 17.1	2.412	1.426	3.0	20.2	4 E	—	—
3 2	23 3.18	− 9 46.2	2.426	1.439	2.7	20.2	4 E	—	—
3 7	23 18.56	− 8 14.2	2.443	1.454	2.5	20.2	4 E	—	—
3 17	23 48.42	− 5 9.2	2.479	1.487	2.5	20.3	4 E	—	—
3 27	0 17.09	− 2 6.7	2.519	1.527	3.1	20.4	5 W	—	—
4 6	0 44.67	+ 0 49.4	2.562	1.572	4.2	20.6	7 W	—	—
4 16	1 11.25	+ 3 36.2	2.605	1.621	5.5	20.8	9 W	—	2*
4 26	1 36.90	+ 6 11.6	2.648	1.674	6.9	20.9	12 W	—	5*
5 6	2 1.68	+ 8 34.2	2.688	1.730	8.4	21.1	15 W	—	8*
5 16	2 25.64	+10 42.9	2.725	1.789	10.0	21.3	18 W	—	12*
5 26	2 48.78	+12 37.5	2.755	1.849	11.5	21.4	21 W	—	15*

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20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 27	19 19.47	−19 27.9	2.963	2.021	6.6	17.9	14 E	5*	4*
1 6	19 41.89	−17 46.0	2.952	1.988	4.6	17.7	9 E	3*	—
1 16	20 4.41	−15 50.6	2.931	1.955	3.0	17.6	6 E	—	—
1 26	20 26.98	−13 41.6	2.902	1.924	2.7	17.5	5 W	—	—
2 5	20 49.57	−11 19.1	2.866	1.893	4.0	17.5	8 W	2*	—
2 15	21 12.17	− 8 43.5	2.824	1.864	5.8	17.6	11 W	4*	1*
2 25	21 34.79	− 5 55.4	2.776	1.835	7.8	17.6	15 W	6*	5*
3 7	21 57.46	− 2 55.8	2.725	1.809	9.9	17.6	18 W	8*	9*
3 17	22 20.26	+ 0 14.2	2.670	1.783	11.9	17.6	22 W	10*	13*
3 27	22 43.22	+ 3 33.0	2.614	1.760	13.8	17.6	25 W	12*	16*
4 6	23 6.46	+ 6 58.8	2.557	1.739	15.7	17.6	28 W	14*	19*
4 16	23 30.08	+10 29.5	2.501	1.720	17.5	17.6	31 W	16*	21*
4 26	23 54.18	+14 2.4	2.445	1.704	19.2	17.6	34 W	18*	23*
5 6	0 18.89	+17 34.7	2.391	1.690	20.8	17.6	36 W	20*	24*
5 16	0 44.33	+21 3.1	2.338	1.679	22.3	17.5	39 W	23*	25*
5 26	1 10.58	+24 24.2	2.288	1.671	23.7	17.5	42 W	25*	26*
5 31	1 24.04	+26 0.9	2.264	1.668	24.4	17.5	43 W	27*	26*
6 5	1 37.74	+27 34.4	2.240	1.666	25.0	17.5	44 W	28*	26*
6 10	1 51.68	+29 4.2	2.216	1.664	25.6	17.5	45 W	30*	25*
6 15	2 5.84	+30 29.9	2.193	1.664	26.2	17.5	46 W	31*	25*
6 20	2 20.22	+31 51.1	2.170	1.664	26.8	17.5	48 W	33*	25*
6 25	2 34.81	+33 7.4	2.147	1.665	27.4	17.5	49 W	35*	24*
6 30	2 49.59	+34 18.3	2.125	1.666	27.9	17.5	50 W	37*	24*
7 5	3 4.55	+35 23.7	2.102	1.669	28.4	17.5	51 W	39*	23*
7 10	3 19.64	+36 23.1	2.079	1.672	28.9	17.5	53 W	41*	23*
7 15	3 34.82	+37 16.4	2.056	1.676	29.4	17.5	54 W	43*	22*
7 20	3 50.04	+38 3.4	2.033	1.681	29.9	17.5	55 W	45*	22*
7 25	4 5.27	+38 43.9	2.009	1.686	30.3	17.5	57 W	47*	21*
7 30	4 20.43	+39 18.0	1.985	1.692	30.8	17.5	58 W	49*	21*
8 4	4 35.49	+39 45.7	1.960	1.699	31.2	17.4	60 W	51*	21*
8 9	4 50.36	+40 7.1	1.934	1.706	31.6	17.4	62 W	54*	21*
8 14	5 4.98	+40 22.5	1.907	1.714	31.9	17.4	63 W	56*	20*
8 19	5 19.29	+40 31.9	1.880	1.723	32.3	17.4	65 W	58*	20*
8 24	5 33.23	+40 35.7	1.852	1.733	32.6	17.4	67 W	60*	20*
8 29	5 46.74	+40 34.2	1.822	1.742	32.8	17.4	69 W	62*	21*
9 3	5 59.77	+40 28.0	1.792	1.753	33.0	17.4	71 W	64*	21*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	20187 Janapittichová *(continuation)*								
	h m	° ′			°	m	°	°	°
9 8	6 12.25	+40 17.2	1.760	1.764	33.2	17.4	74 W	67*	21*
9 13	6 24.13	+40 2.5	1.727	1.775	33.4	17.3	76 W	69*	21*
9 18	6 35.36	+39 44.1	1.693	1.788	33.4	17.3	78 W	72*	22*
9 23	6 45.91	+39 22.6	1.659	1.800	33.4	17.3	81 W	74*	22*
10 3	7 4.74	+38 31.8	1.586	1.826	33.2	17.2	87 W	79*	24*
10 13	7 20.23	+37 33.4	1.510	1.854	32.5	17.1	93 W	82*	25*
10 23	7 31.97	+36 30.0	1.432	1.883	31.3	17.0	100 W	81	27*
10 28	7 36.32	+35 56.9	1.393	1.898	30.5	16.9	104 W	81	28*
11 2	7 39.56	+35 23.2	1.355	1.913	29.5	16.9	108 W	80	29*
11 7	7 41.64	+34 48.7	1.317	1.929	28.3	16.8	113 W	80	29
11 12	7 42.51	+34 13.5	1.281	1.945	26.9	16.7	117 W	79	30
11 22	7 40.51	+32 59.5	1.214	1.977	23.4	16.5	127 W	78	31
12 2	7 33.49	+31 38.1	1.161	2.009	18.9	16.3	139 W	77	32
12 12	7 21.96	+30 5.6	1.125	2.043	13.5	16.1	151 W	75	34
12 17	7 14.91	+29 14.2	1.115	2.059	10.5	16.0	158 W	74	35
12 22	7 7.31	+28 19.4	1.112	2.076	7.4	15.9	164 W	73	36
12 27	6 59.42	+27 21.6	1.116	2.093	4.3	15.7	171 W	72	37
1 1	6 51.55	+26 21.6	1.128	2.110	1.7	15.6	176 W	71	38
1 6	6 43.96	+25 20.5	1.146	2.127	2.7	15.7	174 E	70	39
1 11	6 36.92	+24 19.4	1.172	2.144	5.5	15.9	168 E	69	40
1 16	6 30.64	+23 19.6	1.205	2.161	8.3	16.2	162 E	68	41
1 21	6 25.25	+22 22.1	1.245	2.178	10.9	16.3	155 E	67	42
	417527 2006 TD_{31}								
12 27	19 19.84	−24 38.3	3.925	2.975	4.2	21.4	13 E	1*	6*
1 6	19 37.65	−24 1.7	3.932	2.958	2.3	21.3	7 E	—	1*
1 16	19 55.51	−23 17.9	3.925	2.942	0.8	21.2	3 E	—	—
1 26	20 13.31	−22 27.3	3.904	2.927	2.0	21.2	6 W	—	—
2 5	20 30.96	−21 30.3	3.871	2.913	3.9	21.3	12 W	—	6*
2 15	20 48.41	−20 27.5	3.826	2.899	5.9	21.4	17 W	—	11*
2 25	21 5.55	−19 19.7	3.769	2.886	7.8	21.4	23 W	1*	17*
3 7	21 22.34	−18 7.7	3.700	2.874	9.7	21.5	29 W	3*	23*
3 17	21 38.73	−16 52.5	3.621	2.864	11.5	21.5	35 W	5*	29*
3 27	21 54.63	−15 35.0	3.532	2.854	13.2	21.5	41 W	6*	35*
4 6	22 10.02	−14 16.2	3.435	2.845	14.9	21.5	47 W	8*	41*
4 16	22 24.82	−12 57.4	3.329	2.837	16.4	21.5	53 W	10*	47*
4 26	22 38.96	−11 39.7	3.216	2.830	17.7	21.4	59 W	12*	53*
5 6	22 52.38	−10 24.2	3.098	2.824	18.9	21.4	65 W	15*	59*
5 16	23 4.99	− 9 12.2	2.975	2.819	19.9	21.3	71 W	18*	64*
5 26	23 16.66	− 8 5.1	2.848	2.815	20.6	21.2	78 W	21*	68*
6 5	23 27.28	− 7 4.0	2.720	2.812	21.1	21.2	85 W	25*	71*
6 15	23 36.68	− 6 10.5	2.591	2.810	21.2	21.0	92 W	29*	70
6 25	23 44.68	− 5 25.9	2.464	2.809	20.9	20.9	99 W	33*	69
7 5	23 51.08	− 4 51.5	2.341	2.809	20.3	20.8	107 W	37*	69
7 15	23 55.68	− 4 28.6	2.224	2.811	19.1	20.7	115 W	40*	68
7 25	23 58.27	− 4 18.0	2.116	2.813	17.4	20.5	124 W	41	68
8 4	23 58.73	− 4 20.0	2.021	2.817	15.2	20.3	133 W	41	68
8 14	23 57.00	− 4 34.2	1.942	2.821	12.3	20.1	143 W	40	69
8 24	23 53.26	− 4 58.6	1.883	2.827	9.0	19.9	154 W	40	69
9 3	23 47.88	− 5 30.1	1.847	2.833	5.3	19.7	165 W	39	70
9 13	23 41.45	− 6 4.4	1.837	2.841	1.7	19.5	175 W	39	70
9 23	23 34.77	− 6 36.2	1.854	2.850	3.2	19.6	171 E	38	71
10 3	23 28.66	− 7 1.0	1.898	2.859	6.9	19.9	160 E	38	71
10 13	23 23.84	− 7 15.1	1.967	2.870	10.3	20.1	149 E	38	71
10 23	23 20.84	− 7 16.4	2.059	2.881	13.2	20.3	139 E	38	71
11 2	23 19.93	− 7 4.3	2.169	2.893	15.6	20.5	128 E	38	71
11 12	23 21.16	− 6 39.1	2.295	2.906	17.3	20.7	119 E	38	71
11 22	23 24.44	− 6 1.8	2.433	2.920	18.5	20.9	110 E	39	70
12 2	23 29.58	− 5 13.8	2.579	2.935	19.2	21.1	101 E	40	69*
12 12	23 36.36	− 4 16.4	2.730	2.951	19.5	21.2	93 E	41	64*
12 22	23 44.55	− 3 10.8	2.884	2.967	19.3	21.3	85 E	42	58*
1 1	23 53.92	− 1 58.6	3.037	2.984	18.8	21.4	78 E	43	51*
	36236 1999 *VV*								
12 27	19 20.24	+ 9 16.5	1.565	0.953	36.7	18.4	35 E	27*	—
1 1	19 44.25	+11 23.6	1.568	0.986	37.2	18.4	37 E	29*	—
1 6	20 8.41	+13 22.4	1.578	1.020	37.2	18.5	39 E	30*	—
1 11	20 32.57	+15 11.7	1.595	1.055	36.9	18.6	40 E	32*	—
1 16	20 56.59	+16 50.7	1.618	1.090	36.4	18.7	41 E	32*	—
1 21	21 20.28	+18 18.9	1.648	1.124	35.6	18.8	42 E	33*	—
1 26	21 43.52	+19 36.2	1.684	1.159	34.7	18.9	42 E	33*	—
1 31	22 6.15	+20 43.0	1.726	1.194	33.6	19.0	42 E	34*	—
2 5	22 28.10	+21 39.8	1.772	1.227	32.4	19.1	42 E	33*	—
2 10	22 49.28	+22 27.5	1.822	1.261	31.0	19.1	41 E	33*	—
2 15	23 9.66	+23 7.1	1.876	1.294	29.7	19.2	40 E	32*	—
2 20	23 29.22	+23 39.6	1.933	1.326	28.2	19.3	39 E	31*	—
2 25	23 47.96	+24 5.8	1.991	1.357	26.7	19.4	38 E	30*	—
3 2	0 5.91	+24 26.6	2.051	1.388	25.2	19.4	37 E	29*	—
3 7	0 23.11	+24 42.7	2.111	1.417	23.7	19.5	35 E	28*	—

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	36236 1999 *VV* *(continuation)*								
	h m	° ′			°	m	°	°	°
3 12	0 39.59	+24 54.8	2.171	1.446	22.1	19.6	33 E	26*	—
3 17	0 55.42	+25 3.6	2.230	1.474	20.5	19.6	31 E	24*	—
3 27	1 25.26	+25 12.3	2.345	1.528	17.4	19.7	27 E	21*	—
4 6	1 53.02	+25 11.4	2.452	1.578	14.2	19.7	23 E	16*	—
4 16	2 19.06	+25 2.3	2.547	1.624	11.1	19.8	18 E	12*	—
4 26	2 43.64	+24 45.7	2.629	1.666	8.0	19.8	13 E	7*	—
5 6	3 7.00	+24 21.7	2.696	1.705	5.1	19.7	9 E	2*	—
5 16	3 29.34	+23 50.2	2.746	1.740	2.8	19.7	5 W	—	—
5 26	3 50.80	+23 10.5	2.779	1.772	2.9	19.8	5 W	—	—
6 5	4 11.49	+22 22.1	2.794	1.800	5.2	19.9	9 W	—	2*
6 15	4 31.50	+21 24.1	2.791	1.824	7.9	20.1	14 W	1*	7*
6 25	4 50.87	+20 15.7	2.770	1.845	10.7	20.2	20 W	4*	12*
7 5	5 9.66	+18 55.7	2.732	1.863	13.4	20.3	25 W	7*	17*
7 15	5 27.88	+17 22.9	2.678	1.876	16.0	20.4	31 W	11*	22*
7 25	5 45.53	+15 35.8	2.608	1.887	18.6	20.4	36 W	16*	27*
8 4	6 2.62	+13 32.8	2.523	1.893	21.0	20.4	42 W	20*	31*
8 14	6 19.12	+11 11.9	2.427	1.897	23.2	20.4	48 W	25*	36*
8 24	6 34.98	+ 8 30.8	2.319	1.896	25.3	20.4	53 W	29*	40*
9 3	6 50.16	+ 5 26.8	2.203	1.893	27.2	20.3	59 W	33*	45*
9 13	7 4.59	+ 1 56.9	2.081	1.886	28.9	20.2	65 W	36*	50*
9 23	7 18.16	− 2 2.4	1.956	1.875	30.3	20.1	70 W	37*	55*
10 3	7 30.73	− 6 34.5	1.831	1.861	31.4	20.0	76 W	36*	61*
10 13	7 42.10	−11 43.0	1.710	1.843	32.3	19.9	81 W	33*	68*
10 23	7 52.00	−17 29.8	1.595	1.822	33.0	19.7	86 W	28	75*
11 2	8 0.06	−23 55.2	1.492	1.797	33.5	19.5	90 W	21	83*
11 7	8 3.21	−27 21.5	1.445	1.783	33.7	19.5	92 W	18	86*
11 12	8 5.67	−30 55.5	1.402	1.768	34.0	19.4	94 W	14	85*
11 17	8 7.31	−34 35.9	1.364	1.753	34.2	19.3	95 W	10	81
11 22	8 8.01	−38 21.0	1.330	1.736	34.5	19.2	96 W	7	78
11 27	8 7.57	−42 8.6	1.300	1.719	34.8	19.2	96 W	3	74
12 2	8 5.78	−45 56.3	1.275	1.701	35.2	19.1	97 W	—	70
12 7	8 2.36	−49 40.9	1.255	1.682	35.6	19.1	97 W	—	66
12 12	7 56.97	−53 19.2	1.238	1.661	36.1	19.0	96 W	—	63
12 17	7 49.25	−56 47.7	1.226	1.640	36.7	19.0	95 W	—	59
12 22	7 38.72	−60 2.9	1.216	1.618	37.3	19.0	94 W	—	56
12 24	7 33.62	−61 16.4	1.214	1.609	37.6	19.0	94 W	—	55
12 26	7 27.95	−62 27.0	1.211	1.600	37.9	19.0	93 W	—	54
12 28	7 21.70	−63 34.3	1.209	1.591	38.1	19.0	92 W	—	52
12 30	7 14.83	−64 38.1	1.207	1.581	38.4	18.9	92 W	—	51
1 1	7 7.33	−65 38.1	1.206	1.572	38.7	18.9	91 W	—	50
1 6	6 45.78	−67 50.2	1.203	1.547	39.5	18.9	90 E	—	48
1 11	6 20.46	−69 34.0	1.200	1.521	40.2	18.9	88 E	—	46
1 16	5 52.22	−70 47.3	1.198	1.495	41.0	18.9	86 E	—	45
1 21	5 22.53	−71 29.8	1.196	1.468	41.8	18.9	84 E	—	44
	119905 2002 EH_{10}								
12 27	19 21.05	− 8 36.5	4.081	3.176	6.1	21.2	20 E	14*	—
1 6	19 35.18	− 8 29.4	4.087	3.150	4.8	21.2	16 E	9*	—
1 16	19 49.51	− 8 14.2	4.075	3.124	4.0	21.1	13 W	3*	—
1 26	20 3.94	− 7 51.4	4.047	3.096	4.1	21.1	13 W	7*	—
2 5	20 18.40	− 7 21.6	4.002	3.067	5.1	21.1	16 W	10*	2*
2 15	20 32.82	− 6 45.2	3.940	3.037	6.6	21.1	21 W	12*	9*
2 25	20 47.12	− 6 2.9	3.863	3.007	8.4	21.1	26 W	14*	16*
3 7	21 1.26	− 5 15.7	3.770	2.975	10.2	21.1	32 W	16*	23*
3 17	21 15.16	− 4 24.2	3.664	2.943	12.0	21.1	38 W	18*	29*
3 27	21 28.77	− 3 29.4	3.545	2.910	13.8	21.1	44 W	20*	35*
4 6	21 42.04	− 2 32.4	3.414	2.876	15.5	21.0	50 W	22*	41*
4 16	21 54.89	− 1 34.3	3.273	2.841	17.1	20.9	56 W	23*	47*
4 26	22 7.26	− 0 36.3	3.123	2.806	18.6	20.9	63 W	26*	53*
5 6	22 19.07	+ 0 20.2	2.965	2.769	19.9	20.8	69 W	28*	57*
5 16	22 30.22	+ 1 13.6	2.802	2.732	21.0	20.7	76 W	31*	60*
5 26	22 40.59	+ 2 2.0	2.635	2.694	21.9	20.5	82 W	34*	62*
6 5	22 50.05	+ 2 43.4	2.465	2.655	22.5	20.4	89 W	38*	61
6 15	22 58.42	+ 3 15.1	2.295	2.616	22.7	20.2	97 W	42*	61
6 25	23 5.47	+ 3 33.9	2.128	2.575	22.5	20.0	104 W	45*	60
7 5	23 10.98	+ 3 36.5	1.965	2.535	21.7	19.7	113 W	48*	60
7 15	23 14.64	+ 3 18.4	1.809	2.493	20.4	19.5	121 W	48	61
7 25	23 16.18	+ 2 35.0	1.665	2.451	18.3	19.2	131 W	48	61
8 4	23 15.38	+ 1 22.2	1.535	2.409	15.4	18.9	141 W	46	63
8 14	23 12.09	− 0 23.5	1.423	2.366	11.6	18.5	152 W	45	64
8 24	23 6.48	− 2 41.6	1.334	2.322	6.9	18.2	164 W	42	67
8 29	23 2.95	− 4 1.3	1.299	2.301	4.3	18.0	170 W	41	68
9 3	22 59.06	− 5 26.7	1.271	2.279	1.6	17.7	176 W	40	69
9 8	22 54.92	− 6 56.1	1.250	2.257	1.3	17.6	177 E	38	71
9 13	22 50.71	− 8 27.5	1.236	2.235	4.2	17.8	171 E	37	72
9 18	22 46.57	− 9 58.8	1.229	2.213	7.1	17.9	164 E	35	74
9 23	22 42.68	−11 28.0	1.229	2.191	10.0	18.0	158 E	34	75
9 28	22 39.17	−12 53.1	1.235	2.169	12.8	18.1	151 E	32	77
10 3	22 36.20	−14 12.5	1.247	2.147	15.4	18.2	145 E	31	78

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
119905 2002 EH_{10} *(continuation)*									
10 8	22 33.88	−15 25.0	1.265	2.125	17.8	18.3	139 E	30	79
10 13	22 32.32	−16 29.6	1.287	2.103	20.1	18.4	134 E	29	80
10 23	22 31.68	−18 13.5	1.342	2.060	23.9	18.5	123 E	27	82
11 2	22 34.48	−19 23.6	1.408	2.017	26.9	18.7	113 E	26	83
11 12	22 40.64	−20 1.6	1.481	1.974	29.1	18.8	104 E	25	84
11 22	22 49.87	−20 10.8	1.555	1.933	30.5	18.9	96 E	25	84*
12 2	23 1.79	−19 54.5	1.630	1.892	31.4	19.0	89 E	25	78*
12 12	23 16.06	−19 15.4	1.702	1.853	31.8	19.0	83 E	26	71*
12 22	23 32.32	−18 16.2	1.770	1.816	31.8	19.1	77 E	27	64*
1 1	23 50.28	−16 59.2	1.832	1.780	31.6	19.1	71 E	28	58*
1 11	0 9.71	−15 26.5	1.890	1.747	31.1	19.1	66 E	29*	53*
1 21	0 30.43	−13 40.2	1.942	1.716	30.4	19.1	62 E	30*	48*
141484 2002 DB_4									
12 27	19 21.42	−15 50.0	1.423	0.543	29.0	17.1	16 E	9*	2*
1 1	19 54.79	−14 18.0	1.374	0.541	35.3	17.2	19 E	11*	4*
1 6	20 28.24	−12 37.0	1.326	0.548	41.3	17.3	22 E	14*	6*
1 11	21 1.55	−10 50.5	1.281	0.564	46.6	17.5	25 E	17*	9*
1 16	21 34.54	− 9 1.4	1.240	0.587	51.1	17.6	28 E	19*	11*
1 21	22 7.07	− 7 12.0	1.205	0.615	54.5	17.7	31 E	22*	13*
1 26	22 39.02	− 5 24.2	1.176	0.648	56.9	17.9	33 E	24*	16*
2 5	23 40.74	− 1 58.8	1.140	0.719	59.0	18.1	39 E	28*	20*
2 15	0 38.92	+ 1 6.2	1.133	0.793	58.6	18.3	43 E	31*	24*
2 25	1 32.98	+ 3 45.6	1.150	0.863	56.8	18.4	47 E	34*	28*
3 7	2 22.75	+ 5 57.4	1.186	0.929	54.3	18.6	49 E	35*	31*
3 17	3 8.49	+ 7 42.3	1.234	0.987	51.8	18.7	51 E	35*	33*
3 27	3 50.70	+ 9 2.4	1.290	1.037	49.3	18.9	52 E	35*	35*
4 6	4 29.92	+ 9 59.8	1.350	1.080	47.0	19.0	52 E	33*	36*
4 16	5 6.74	+10 37.0	1.411	1.115	44.9	19.1	52 E	31*	37*
4 26	5 41.64	+10 55.3	1.470	1.142	43.1	19.2	51 E	28*	38*
5 6	6 15.01	+10 56.3	1.525	1.161	41.4	19.3	50 E	25*	38*
5 16	6 47.22	+10 41.1	1.575	1.172	39.9	19.3	48 E	21*	38*
5 26	7 18.56	+10 10.5	1.619	1.175	38.6	19.3	46 E	17*	37*
6 5	7 49.26	+ 9 25.6	1.654	1.170	37.4	19.3	44 E	13*	36*
6 15	8 19.57	+ 8 27.2	1.681	1.157	36.4	19.3	42 E	10*	35*
6 25	8 49.70	+ 7 16.4	1.698	1.137	35.5	19.3	41 E	7*	34*
7 5	9 19.87	+ 5 54.2	1.704	1.108	34.9	19.2	39 E	4*	32*
7 15	9 50.36	+ 4 21.8	1.699	1.071	34.5	19.1	37 E	3*	31*
7 25	10 21.41	+ 2 40.9	1.681	1.026	34.4	19.0	35 E	2*	29*
8 4	10 53.36	+ 0 53.5	1.649	0.974	34.8	18.9	33 E	2*	27*
8 14	11 26.57	− 0 58.0	1.603	0.914	35.7	18.7	32 E	2*	26*
8 24	12 1.45	− 2 49.7	1.540	0.848	37.6	18.5	31 E	3*	25*
8 29	12 19.63	− 3 44.2	1.502	0.812	39.0	18.4	30 E	4*	24*
9 3	12 38.39	− 4 36.7	1.459	0.776	40.9	18.3	30 E	5*	24*
9 8	12 57.76	− 5 26.4	1.410	0.739	43.2	18.2	30 E	6*	24*
9 13	13 17.75	− 6 12.1	1.357	0.702	46.1	18.0	30 E	7*	24*
9 18	13 38.33	− 6 52.7	1.297	0.666	49.8	17.9	30 E	8*	24*
9 23	13 59.45	− 7 27.0	1.230	0.632	54.4	17.8	31 E	9*	24*
9 28	14 20.95	− 7 54.0	1.158	0.601	59.9	17.8	31 E	11*	24*
10 3	14 42.58	− 8 13.2	1.079	0.575	66.6	17.7	32 E	13*	24*
10 8	15 3.97	− 8 25.1	0.994	0.556	74.4	17.7	32 E	14*	24*
10 13	15 24.63	− 8 31.6	0.905	0.544	83.1	17.8	33 E	16*	24*
10 18	15 43.99	− 8 36.6	0.813	0.541	92.5	17.9	33 E	17*	23*
10 23	16 1.52	− 8 46.5	0.722	0.548	102.4	18.1	33 E	17*	22*
10 28	16 16.83	− 9 9.7	0.633	0.563	112.3	18.5	32 E	18*	21*
11 2	16 29.69	− 9 56.8	0.549	0.585	122.1	18.9	30 E	17*	19*
11 4	16 34.13	−10 25.1	0.517	0.596	125.9	19.2	29 E	17*	18*
11 6	16 38.17	−11 0.1	0.486	0.608	129.7	19.4	28 E	16*	17*
11 8	16 41.82	−11 42.8	0.457	0.620	133.5	19.7	27 E	15*	16*
11 10	16 45.08	−12 34.2	0.428	0.633	137.2	20.1	26 E	14*	15*
11 12	16 47.97	−13 35.6	0.401	0.646	140.9	20.4	24 E	13*	14*
11 14	16 50.49	−14 48.0	0.375	0.660	144.5	20.9	23 E	11*	13*
11 16	16 52.66	−16 12.9	0.351	0.674	148.1	21.3	21 E	10*	12*
85713 1998 SS_{49}									
12 27	19 21.50	−29 35.8	3.458	2.518	5.6	20.7	14 E	—	8*
1 6	19 39.92	−29 1.7	3.533	2.570	3.7	20.7	10 E	—	4*
1 16	19 57.74	−28 22.9	3.591	2.619	2.8	20.8	8 E	—	—
1 26	20 14.91	−27 40.4	3.630	2.666	3.6	20.9	10 W	—	2*
2 5	20 31.41	−26 55.2	3.652	2.710	5.3	21.0	15 W	—	8*
2 15	20 47.23	−26 8.4	3.655	2.752	7.2	21.1	21 W	—	14*
2 25	21 2.31	−25 21.1	3.640	2.792	9.2	21.2	27 W	—	20*
3 7	21 16.64	−24 34.3	3.607	2.830	11.1	21.3	33 W	—	27*
3 17	21 30.18	−23 49.3	3.557	2.865	12.9	21.4	40 W	—	33*
3 27	21 42.86	−23 7.4	3.491	2.899	14.5	21.4	47 W	2*	40*
4 6	21 54.63	−22 29.8	3.410	2.930	16.0	21.5	54 W	4*	47*
4 16	22 5.40	−21 57.9	3.316	2.959	17.2	21.5	61 W	6*	54*
4 26	22 15.07	−21 33.2	3.210	2.986	18.2	21.5	68 W	8*	62*
5 6	22 23.52	−21 17.0	3.095	3.010	19.0	21.4	76 W	10*	70*
5 16	22 30.58	−21 11.2	2.972	3.033	19.3	21.4	84 W	12*	78*
5 26	22 36.06	−21 17.0	2.846	3.054	19.4	21.3	92 W	15*	85*
6 5	22 39.74	−21 35.9	2.718	3.073	18.9	21.2	101 W	17*	86
6 15	22 41.37	−22 8.9	2.593	3.090	18.0	21.1	110 W	20*	86
6 25	22 40.68	−22 56.1	2.476	3.105	16.6	20.9	119 W	21*	87
7 5	22 37.48	−23 56.5	2.371	3.118	14.6	20.8	130 W	21*	88
7 15	22 31.61	−25 7.4	2.282	3.129	12.1	20.6	140 W	20	89
7 25	22 23.16	−26 23.9	2.215	3.138	9.2	20.4	150 W	19	90
7 30	22 18.07	−27 2.2	2.191	3.142	7.8	20.3	155 W	18	89
8 4	22 12.49	−27 39.3	2.175	3.145	6.5	20.3	160 W	17	88
8 9	22 6.51	−28 14.3	2.165	3.148	5.4	20.2	163 W	17	88
8 14	22 0.25	−28 46.2	2.163	3.151	4.9	20.2	164 W	16	87
8 19	21 53.86	−29 14.2	2.169	3.153	5.2	20.2	164 W	16	87
8 24	21 47.47	−29 37.8	2.182	3.154	6.1	20.3	161 E	15	86
8 29	21 41.22	−29 56.4	2.203	3.155	7.3	20.3	157 E	15	86
9 3	21 35.23	−30 10.0	2.230	3.156	8.7	20.4	152 E	15	86
9 8	21 29.65	−30 18.4	2.265	3.156	10.1	20.5	147 E	15	86
9 13	21 24.56	−30 21.8	2.306	3.155	11.5	20.6	141 E	15	86
9 18	21 20.07	−30 20.5	2.353	3.154	12.8	20.7	136 E	15	86
9 23	21 16.21	−30 15.0	2.404	3.153	13.9	20.8	131 E	15	86
9 28	21 13.04	−30 5.5	2.460	3.151	15.0	20.9	126 E	15	86
10 3	21 10.55	−29 52.7	2.521	3.149	15.9	21.0	121 E	15	86
10 8	21 8.77	−29 36.7	2.584	3.146	16.7	21.0	115 E	15	86
10 13	21 7.67	−29 18.2	2.650	3.143	17.3	21.1	111 E	16	87
10 18	21 7.24	−28 57.4	2.718	3.139	17.8	21.2	106 E	16	87
10 23	21 7.43	−28 34.5	2.787	3.135	18.1	21.2	101 E	16	87
10 28	21 8.22	−28 10.0	2.858	3.130	18.4	21.3	97 E	17	88
11 2	21 9.57	−27 43.9	2.928	3.125	18.5	21.4	92 E	17	86*
11 7	21 11.45	−27 16.4	2.999	3.120	18.5	21.4	88 E	18	82*
11 12	21 13.80	−26 47.6	3.069	3.113	18.4	21.4	83 E	18	77*
11 17	21 16.60	−26 17.7	3.138	3.107	18.2	21.5	79 E	19	72*
58141 1981 UW_{22}									
12 27	19 22.12	−22 37.6	2.640	1.700	7.8	19.4	14 E	3*	5*
1 6	19 51.37	−21 47.1	2.645	1.686	5.9	19.3	10 E	1*	2*
1 16	20 20.55	−20 36.9	2.647	1.674	4.1	19.2	7 E	—	—
1 26	20 49.48	−19 8.2	2.646	1.665	2.3	19.1	4 E	—	—
2 5	21 18.01	−17 23.0	2.644	1.659	1.0	19.0	2 E	—	—
2 15	21 46.08	−15 23.2	2.641	1.655	1.9	19.0	3 W	—	—
2 25	22 13.60	−13 11.6	2.635	1.654	3.6	19.1	6 W	—	—
3 7	22 40.57	−10 50.7	2.629	1.656	5.4	19.2	9 W	—	3*
3 17	23 6.99	− 8 23.2	2.621	1.661	7.2	19.3	12 W	—	6*
3 27	23 32.89	− 5 52.0	2.612	1.668	8.9	19.4	15 W	—	9*
4 6	23 58.31	− 3 19.6	2.601	1.678	10.7	19.5	18 W	—	12*
4 16	0 23.30	− 0 48.4	2.588	1.691	12.4	19.5	21 W	—	15*
4 26	0 47.88	+ 1 39.1	2.572	1.705	14.0	19.6	24 W	—	18*
5 6	1 12.12	+ 4 1.1	2.554	1.722	15.7	19.7	27 W	2*	21*
5 16	1 36.02	+ 6 15.7	2.532	1.741	17.3	19.7	31 W	3*	25*
5 26	1 59.58	+ 8 21.3	2.507	1.762	18.8	19.8	34 W	6*	28*
6 5	2 22.80	+10 16.7	2.478	1.785	20.3	19.8	38 W	9*	31*
6 15	2 45.65	+12 0.8	2.443	1.809	21.8	19.9	41 W	12*	33*
6 25	3 8.06	+13 32.9	2.404	1.835	23.1	19.9	45 W	17*	36*
7 5	3 29.95	+14 52.7	2.359	1.861	24.4	19.9	49 W	22*	37*
7 15	3 51.22	+15 59.9	2.309	1.889	25.6	20.0	53 W	27*	39*
7 25	4 11.74	+16 54.8	2.252	1.917	26.7	20.0	58 W	33*	40*
8 4	4 31.35	+17 37.8	2.189	1.947	27.6	20.0	63 W	39*	41*
8 14	4 49.87	+18 9.7	2.120	1.976	28.4	20.0	68 W	45*	42*
8 24	5 7.09	+18 31.6	2.046	2.006	28.9	19.9	73 W	51*	43*
9 3	5 22.77	+18 44.8	1.967	2.037	29.1	19.9	79 W	56*	44*
9 13	5 36.62	+18 51.0	1.883	2.067	29.0	19.8	86 W	61*	44*
9 23	5 48.33	+18 52.0	1.796	2.098	28.5	19.7	93 W	63*	45*
10 3	5 57.54	+18 49.9	1.708	2.128	27.6	19.6	100 W	64	45
10 13	6 3.85	+18 46.8	1.622	2.158	26.0	19.5	109 W	64	45
10 23	6 6.88	+18 44.8	1.540	2.188	23.7	19.4	118 W	64	45
11 2	6 6.29	+18 45.5	1.466	2.218	20.7	19.2	128 W	64	45
11 12	6 1.93	+18 50.0	1.406	2.248	16.8	19.0	139 W	64	45
11 22	5 54.05	+18 58.4	1.363	2.276	12.3	18.8	151 W	64	45
12 2	5 43.34	+19 9.8	1.343	2.305	7.1	18.6	163 W	64	45
12 7	5 37.30	+19 16.3	1.343	2.319	4.5	18.5	169 W	64	45
12 12	5 31.07	+19 23.1	1.350	2.333	2.1	18.3	175 W	64	45
12 17	5 24.85	+19 30.2	1.364	2.346	2.1	18.4	175 E	65	44
12 22	5 18.85	+19 37.5	1.386	2.360	4.3	18.6	170 E	65	44
12 27	5 13.25	+19 45.1	1.414	2.373	6.7	18.7	164 E	65	44
1 1	5 8.20	+19 53.1	1.449	2.387	9.1	18.9	157 E	65	44
1 6	5 3.84	+20 1.6	1.490	2.400	11.3	19.1	151 E	65	44
1 11	5 0.26	+20 10.6	1.537	2.413	13.4	19.2	145 E	65	44
1 16	4 57.51	+20 20.4	1.589	2.425	15.2	19.4	140 E	65	44
1 21	4 55.62	+20 30.9	1.647	2.438	16.8	19.5	134 E	66	43