21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
163732 2003 KP_2									
2 25	16 47.88	+ 8 52.9	3.211	3.321	17.3	21.5	88 W	54*	52*
3 7	16 54.24	+10 50.6	3.027	3.263	17.6	21.3	95 W	56	53*
3 17	16 59.12	+13 5.8	2.847	3.204	17.7	21.1	102 W	58	51
3 27	17 2.22	+15 37.6	2.677	3.142	17.5	20.9	109 W	61	48
4 6	17 3.25	+18 23.7	2.520	3.080	17.1	20.8	115 W	63	46
4 16	17 1.88	+21 20.2	2.378	3.015	16.7	20.6	121 W	66	43
4 26	16 57.86	+24 20.5	2.255	2.949	16.2	20.4	125 W	69	40
5 1	16 54.81	+25 49.5	2.202	2.915	16.1	20.3	126 W	71	38
5 6	16 51.07	+27 16.0	2.153	2.881	16.1	20.2	128 W	72	37
5 11	16 46.65	+28 38.6	2.110	2.847	16.2	20.2	128 W	74	35
5 16	16 41.60	+29 56.0	2.072	2.812	16.4	20.1	128 W	75	34
5 21	16 35.98	+31 6.6	2.040	2.776	16.8	20.1	128 W	76	33
5 26	16 29.90	+32 9.3	2.013	2.740	17.3	20.0	127 W	77	32
5 31	16 23.46	+33 2.9	1.991	2.704	17.9	20.0	125 E	78	31
6 5	16 16.80	+33 46.7	1.973	2.667	18.6	20.0	123 E	79	30
6 10	16 10.06	+34 19.9	1.960	2.629	19.4	19.9	121 E	79	30
6 15	16 3.41	+34 42.2	1.951	2.591	20.2	19.9	118 E	80	29
6 20	15 57.01	+34 53.8	1.946	2.553	21.1	19.9	115 E	80	29
6 25	15 51.01	+34 55.0	1.943	2.514	21.9	19.9	112 E	80	29
6 30	15 45.51	+34 46.3	1.943	2.474	22.8	19.9	109 E	80	29
7 5	15 40.64	+34 28.4	1.945	2.434	23.6	19.9	106 E	79	30
7 10	15 36.48	+34 2.2	1.948	2.394	24.4	19.9	103 E	79	30
7 15	15 33.09	+33 28.5	1.953	2.353	25.2	19.9	100 E	78*	31
7 20	15 30.51	+32 48.2	1.957	2.311	25.9	19.9	97 E	76*	31
7 25	15 28.76	+32 2.4	1.962	2.269	26.5	19.8	94 E	74*	32
7 30	15 27.84	+31 11.7	1.967	2.226	27.1	19.8	91 E	71*	33
8 4	15 27.74	+30 16.9	1.970	2.183	27.7	19.8	88 E	69*	34
8 14	15 29.99	+28 17.3	1.974	2.095	28.6	19.7	82 E	64*	36*
8 24	15 35.36	+26 8.0	1.971	2.005	29.4	19.7	77 E	60*	37*
9 3	15 43.67	+23 51.7	1.960	1.912	30.2	19.6	72 E	56*	37*
9 13	15 54.83	+21 30.3	1.939	1.818	30.9	19.5	68 E	53*	36*
9 23	16 8.76	+19 4.7	1.908	1.722	31.6	19.3	64 E	50*	34*
10 3	16 25.46	+16 35.1	1.867	1.623	32.4	19.2	60 E	48*	32*
10 13	16 45.05	+14 1.1	1.816	1.524	33.3	19.0	57 E	46*	29*
10 23	17 7.66	+11 21.8	1.756	1.423	34.5	18.8	54 E	43*	26*
11 2	17 33.50	+ 8 35.4	1.690	1.323	35.9	18.6	51 E	41*	24*
11 12	18 2.86	+ 5 40.1	1.619	1.223	37.6	18.4	49 E	39*	22*
11 22	18 35.98	+ 2 33.8	1.547	1.127	39.6	18.2	47 E	37*	20*
12 2	19 13.08	− 0 45.8	1.477	1.037	41.8	18.0	44 E	34*	20*
12 12	19 54.20	− 4 18.9	1.413	0.957	44.1	17.8	43 E	32*	20*
12 22	20 39.04	− 8 3.2	1.359	0.893	46.3	17.6	41 E	29*	21*
12 27	21 2.69	− 9 57.4	1.336	0.868	47.3	17.5	40 E	27*	23*
1 1	21 27.02	−11 51.2	1.317	0.850	48.3	17.5	40 E	25*	24*
1 6	21 51.91	−13 42.6	1.301	0.839	49.1	17.4	40 E	24*	26*
1 11	22 17.23	−15 29.4	1.288	0.835	49.8	17.4	40 E	22*	28*
1 16	22 42.85	−17 9.4	1.279	0.838	50.3	17.4	41 E	21*	30*
1 21	23 8.66	−18 40.3	1.273	0.848	50.6	17.4	42 E	19*	32*
277473 2005 WD_1									
2 25	16 50.31	−16 16.7	2.047	2.165	27.0	21.3	83 W	29*	72*
3 7	17 2.14	−18 22.2	1.863	2.113	28.0	21.1	90 W	27*	80*
3 17	17 13.05	−20 46.7	1.681	2.059	28.6	20.9	97 W	24	85
3 27	17 22.69	−23 38.8	1.502	2.004	28.8	20.6	105 W	21	88
4 6	17 30.66	−27 9.6	1.331	1.949	28.3	20.2	113 W	18	89
4 11	17 33.80	−29 13.7	1.250	1.921	27.8	20.0	117 W	16	87
4 16	17 36.23	−31 32.9	1.172	1.893	27.1	19.8	121 W	13	84
4 21	17 37.80	−34 8.9	1.098	1.864	26.3	19.6	125 W	11	82
4 26	17 38.32	−37 3.7	1.029	1.836	25.3	19.4	129 W	8	79
5 1	17 37.53	−40 18.4	0.966	1.807	24.2	19.2	133 W	5	76
5 6	17 35.08	−43 53.5	0.909	1.779	23.2	19.0	136 W	1	72
5 11	17 30.45	−47 47.8	0.859	1.750	22.4	18.9	139 W	—	68
5 16	17 22.97	−51 58.0	0.817	1.722	22.0	18.7	140 W	—	64
5 18	17 18.97	−53 41.3	0.802	1.710	22.0	18.6	141 W	—	62
5 20	17 14.30	−55 25.7	0.789	1.699	22.1	18.6	141 W	—	61
5 22	17 8.86	−57 10.5	0.777	1.687	22.3	18.6	141 W	—	59
5 24	17 2.55	−58 55.0	0.767	1.676	22.7	18.5	140 W	—	57
5 26	16 55.27	−60 38.5	0.758	1.665	23.2	18.5	140 W	—	55
5 28	16 46.89	−62 20.1	0.750	1.653	23.8	18.5	139 W	—	54
5 30	16 37.27	−63 58.7	0.744	1.642	24.5	18.5	138 W	—	52
6 1	16 26.28	−65 33.4	0.739	1.631	25.4	18.5	136 E	—	50
6 3	16 13.79	−67 2.9	0.735	1.620	26.3	18.5	135 E	—	49
6 5	15 59.68	−68 26.2	0.733	1.609	27.3	18.5	133 E	—	48
6 7	15 43.90	−69 42.1	0.731	1.597	28.3	18.5	132 E	—	46
6 9	15 26.45	−70 49.5	0.731	1.586	29.4	18.5	130 E	—	45
6 11	15 7.44	−71 47.4	0.732	1.575	30.5	18.5	128 E	—	44
6 13	14 47.08	−72 35.2	0.734	1.564	31.7	18.5	126 E	—	43
6 15	14 25.74	−73 12.3	0.737	1.554	32.8	18.6	124 E	—	43

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
277473 2005 WD_1 *(continuation)*									
6 16	14 14.83	−73 26.8	0.739	1.548	33.4	18.6	123 E	—	43
6 17	14 3.86	−73 38.7	0.741	1.543	33.9	18.6	122 E	—	42
6 18	13 52.89	−73 48.1	0.743	1.537	34.5	18.6	121 E	—	42
6 19	13 41.99	−73 55.0	0.745	1.532	35.0	18.6	120 E	—	42
6 20	13 31.21	−73 59.5	0.748	1.527	35.6	18.6	119 E	—	42
6 21	13 20.62	−74 1.8	0.750	1.521	36.1	18.7	118 E	—	42
6 22	13 10.27	−74 2.0	0.753	1.516	36.6	18.7	117 E	—	42
6 23	13 0.21	−74 0.3	0.756	1.511	37.1	18.7	116 E	—	42
6 24	12 50.48	−73 56.8	0.759	1.505	37.7	18.7	115 E	—	42
6 25	12 41.10	−73 51.7	0.762	1.500	38.2	18.7	114 E	—	42
6 26	12 32.09	−73 45.2	0.766	1.495	38.6	18.7	113 E	—	42
6 27	12 23.49	−73 37.4	0.769	1.490	39.1	18.8	112 E	—	42
6 28	12 15.28	−73 28.6	0.773	1.485	39.6	18.8	111 E	—	43
6 29	12 7.48	−73 18.8	0.776	1.480	40.1	18.8	111 E	—	43*
6 30	12 0.08	−73 8.3	0.780	1.474	40.5	18.8	110 E	—	43*
7 1	11 53.07	−72 57.1	0.783	1.469	40.9	18.8	109 E	—	43*
7 2	11 46.45	−72 45.4	0.787	1.464	41.4	18.8	108 E	—	43*
7 3	11 40.20	−72 33.3	0.791	1.459	41.8	18.8	107 E	—	43*
7 4	11 34.31	−72 21.0	0.795	1.454	42.2	18.9	106 E	—	43*
7 5	11 28.77	−72 8.5	0.799	1.449	42.6	18.9	105 E	—	43*
7 6	11 23.55	−71 55.9	0.803	1.444	43.0	18.9	104 E	—	43*
7 7	11 18.63	−71 43.3	0.807	1.439	43.3	18.9	104 E	—	43*
7 8	11 14.01	−71 30.9	0.811	1.435	43.7	18.9	103 E	—	42*
7 9	11 9.67	−71 18.5	0.815	1.430	44.1	18.9	102 E	—	42*
7 10	11 5.58	−71 6.4	0.819	1.425	44.4	18.9	101 E	—	42*
7 11	11 1.74	−70 54.5	0.822	1.420	44.7	19.0	101 E	—	42*
7 12	10 58.12	−70 43.0	0.826	1.415	45.0	19.0	100 E	—	42*
7 13	10 54.72	−70 31.7	0.830	1.411	45.4	19.0	99 E	—	41*
7 14	10 51.51	−70 20.9	0.834	1.406	45.7	19.0	98 E	—	41*
7 15	10 48.49	−70 10.5	0.838	1.401	46.0	19.0	98 E	—	41*
7 17	10 42.96	−69 51.0	0.845	1.392	46.5	19.0	96 E	—	40*
7 19	10 38.03	−69 33.4	0.853	1.383	47.0	19.0	95 E	—	39*
7 21	10 33.63	−69 17.8	0.860	1.375	47.5	19.1	94 E	—	38*
7 23	10 29.67	−69 4.2	0.867	1.366	48.0	19.1	93 E	—	37*
7 25	10 26.12	−68 52.8	0.873	1.358	48.4	19.1	92 E	—	37*
7 27	10 22.91	−68 43.5	0.879	1.349	48.8	19.1	91 E	—	36*
7 29	10 19.99	−68 36.4	0.885	1.341	49.2	19.1	90 E	—	35*
7 31	10 17.34	−68 31.4	0.890	1.334	49.5	19.1	89 E	—	34*
8 2	10 14.91	−68 28.6	0.895	1.326	49.9	19.1	88 E	—	33*
8 4	10 12.66	−68 28.0	0.899	1.319	50.2	19.1	87 E	—	32*
8 6	10 10.58	−68 29.6	0.903	1.312	50.5	19.1	86 E	—	31*
8 8	10 8.62	−68 33.3	0.906	1.305	50.8	19.1	85 E	—	30*
8 10	10 6.77	−68 39.2	0.909	1.298	51.1	19.1	85 E	—	29*
8 12	10 4.99	−68 47.2	0.911	1.292	51.3	19.2	84 E	—	28*
8 14	10 3.26	−68 57.3	0.913	1.285	51.5	19.2	84 E	—	27*
8 16	10 1.55	−69 9.5	0.914	1.280	51.8	19.2	83 E	—	26*
8 18	9 59.84	−69 23.8	0.915	1.274	52.0	19.1	83 E	—	25*
8 20	9 58.10	−69 40.2	0.915	1.269	52.2	19.1	82 E	—	24*
8 22	9 56.31	−69 58.6	0.914	1.264	52.4	19.1	82 W	—	25*
8 24	9 54.46	−70 19.0	0.913	1.259	52.6	19.1	82 W	—	25*
8 26	9 52.50	−70 41.5	0.911	1.255	52.8	19.1	81 W	—	26*
8 28	9 50.41	−71 6.0	0.909	1.251	53.0	19.1	81 W	—	27*
8 30	9 48.15	−71 32.6	0.906	1.247	53.1	19.1	81 W	—	27*
9 1	9 45.68	−72 1.3	0.903	1.243	53.3	19.1	81 W	—	28*
9 3	9 42.95	−72 32.1	0.899	1.240	53.4	19.1	81 W	—	29*
9 5	9 39.90	−73 5.0	0.894	1.237	53.6	19.1	81 W	—	29*
9 7	9 36.45	−73 40.1	0.889	1.235	53.7	19.1	81 W	—	30*
9 9	9 32.52	−74 17.2	0.884	1.233	53.8	19.1	81 W	—	30*
9 11	9 27.98	−74 56.4	0.877	1.231	53.9	19.0	81 W	—	31*
9 13	9 22.69	−75 37.6	0.871	1.230	54.0	19.0	81 W	—	31*
9 14	9 19.71	−75 59.0	0.867	1.229	54.1	19.0	82 W	—	32*
9 15	9 16.47	−76 20.8	0.864	1.228	54.1	19.0	82 W	—	32*
9 16	9 12.94	−76 43.0	0.860	1.228	54.2	19.0	82 W	—	32*
9 17	9 9.08	−77 5.7	0.856	1.228	54.2	19.0	82 W	—	32*
9 18	9 4.86	−77 28.7	0.852	1.227	54.2	19.0	82 W	—	32*
9 19	9 0.23	−77 52.1	0.848	1.227	54.3	19.0	82 W	—	33*
9 20	8 55.12	−78 15.8	0.844	1.227	54.3	19.0	83 W	—	33*
9 21	8 49.49	−78 39.7	0.840	1.227	54.3	18.9	83 W	—	33*
9 22	8 43.25	−79 3.8	0.836	1.227	54.3	18.9	83 W	—	33*
9 23	8 36.32	−79 27.9	0.831	1.227	54.3	18.9	83 W	—	33*
9 24	8 28.60	−79 52.1	0.827	1.228	54.3	18.9	84 W	—	33*
9 25	8 20.00	−80 16.0	0.822	1.228	54.3	18.9	84 W	—	33*
9 26	8 10.37	−80 39.7	0.818	1.228	54.3	18.9	84 W	—	33*
9 27	7 59.58	−81 2.7	0.813	1.229	54.3	18.9	85 W	—	33*
9 28	7 47.49	−81 25.0	0.808	1.230	54.3	18.9	85 W	—	33*
9 29	7 33.94	−81 46.2	0.804	1.230	54.2	18.9	85 W	—	33*
9 30	7 18.78	−82 5.9	0.799	1.231	54.2	18.8	86 W	—	33*
10 1	7 1.89	−82 23.6	0.794	1.232	54.2	18.8	86 W	—	33*
10 2	6 43.21	−82 39.0	0.789	1.233	54.1	18.8	86 W	—	33*
10 3	6 22.75	−82 51.3	0.784	1.234	54.1	18.8	87 W	—	33*
10 4	6 0.66	−83 0.1	0.779	1.235	54.0	18.8	87 W	—	33

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	277473 2005 WD_1				*(continuation)*				
	h m	° ′			°	m	°	°	°
10 5	5 37.21	−83 4.8	0.774	1.236	53.9	18.8	87 W	—	33
10 6	5 12.87	−83 4.8	0.769	1.238	53.8	18.8	88 W	—	33
10 7	4 48.18	−82 59.8	0.764	1.239	53.7	18.7	88 W	—	33
10 8	4 23.75	−82 49.5	0.759	1.240	53.6	18.7	89 W	—	33
10 9	4 0.17	−82 34.0	0.754	1.242	53.5	18.7	89 W	—	33
10 10	3 37.89	−82 13.4	0.749	1.244	53.4	18.7	90 W	—	34
10 11	3 17.23	−81 47.9	0.745	1.245	53.3	18.7	90 W	—	34
10 12	2 58.36	−81 17.9	0.740	1.247	53.2	18.7	90 W	—	35
10 13	2 41.32	−80 43.6	0.735	1.249	53.0	18.7	91 W	—	35
10 14	2 26.04	−80 5.6	0.730	1.251	52.9	18.6	91 W	—	36
10 15	2 12.42	−79 24.1	0.726	1.253	52.7	18.6	92 W	—	37
10 16	2 0.30	−78 39.4	0.721	1.255	52.5	18.6	92 W	—	37
10 17	1 49.53	−77 51.8	0.717	1.257	52.3	18.6	93 W	—	38
10 18	1 39.96	−77 1.5	0.712	1.259	52.2	18.6	93 W	—	39
10 19	1 31.45	−76 8.7	0.708	1.262	52.0	18.6	94 E	—	40
10 20	1 23.88	−75 13.6	0.704	1.264	51.7	18.6	95 E	—	41
10 21	1 17.12	−74 16.3	0.700	1.267	51.5	18.5	95 E	—	42
10 22	1 11.09	−73 16.9	0.697	1.269	51.3	18.5	96 E	—	43
10 23	1 5.69	−72 15.5	0.693	1.272	51.1	18.5	96 E	—	44
10 24	1 0.85	−71 12.2	0.689	1.274	50.8	18.5	97 E	—	45
10 25	0 56.50	−70 7.2	0.686	1.277	50.6	18.5	97 E	—	46
10 26	0 52.59	−69 0.4	0.683	1.280	50.3	18.5	98 E	—	47
10 27	0 49.07	−67 52.0	0.680	1.283	50.0	18.5	98 E	—	48
10 28	0 45.90	−66 42.0	0.678	1.286	49.8	18.5	99 E	—	49
10 29	0 43.04	−65 30.6	0.675	1.289	49.5	18.4	99 E	—	50
10 30	0 40.46	−64 17.7	0.673	1.292	49.2	18.4	100 E	—	52
10 31	0 38.13	−63 3.5	0.671	1.295	48.9	18.4	100 E	—	53
11 1	0 36.04	−61 48.0	0.670	1.298	48.6	18.4	101 E	—	54
11 2	0 34.15	−60 31.3	0.669	1.302	48.3	18.4	101 E	—	55
11 4	0 30.93	−57 54.7	0.667	1.309	47.8	18.4	102 E	—	58
11 6	0 28.35	−55 14.3	0.666	1.316	47.2	18.4	103 E	—	61
11 8	0 26.31	−52 30.9	0.667	1.323	46.6	18.4	104 E	—	63
11 10	0 24.73	−49 45.4	0.669	1.330	46.0	18.4	105 E	—	66
11 12	0 23.55	−46 58.5	0.673	1.338	45.5	18.4	106 E	—	69
11 14	0 22.72	−44 11.0	0.678	1.346	44.9	18.4	106 E	1	72
11 16	0 22.18	−41 23.8	0.685	1.354	44.4	18.4	107 E	4	75
11 18	0 21.91	−38 37.7	0.693	1.362	44.0	18.5	107 E	6	77
11 20	0 21.88	−35 53.3	0.702	1.371	43.5	18.5	107 E	9	80
11 22	0 22.06	−33 11.4	0.713	1.380	43.1	18.5	107 E	12	83
11 27	0 23.30	−26 41.2	0.747	1.402	42.3	18.6	107 E	18	89
12 2	0 25.49	−20 36.7	0.790	1.426	41.6	18.8	106 E	24	85
12 7	0 28.48	−15 1.8	0.840	1.450	41.0	18.9	105 E	30	79
12 12	0 32.14	− 9 57.3	0.896	1.475	40.5	19.1	103 E	35	74*
12 17	0 36.36	− 5 22.3	0.959	1.501	40.0	19.3	101 E	40	69*
12 22	0 41.08	− 1 14.4	1.027	1.527	39.5	19.4	99 E	44	64*
12 27	0 46.23	+ 2 29.1	1.098	1.554	39.0	19.6	96 E	47	59*
1 1	0 51.79	+ 5 51.2	1.173	1.582	38.3	19.8	94 E	51	54*
1 6	0 57.73	+ 8 54.7	1.250	1.609	37.7	19.9	91 E	54	49*
1 11	1 4.01	+11 42.0	1.330	1.637	36.9	20.1	89 E	57	45*
1 16	1 10.61	+14 15.5	1.411	1.665	36.1	20.2	86 E	59	41*
1 21	1 17.51	+16 36.9	1.493	1.694	35.3	20.4	84 E	62*	38*
	492344 2014 GE_{50}								
2 25	16 51.54	−18 56.3	1.549	1.726	34.6	21.5	83 W	26*	74*
3 7	17 15.51	−19 33.6	1.445	1.707	35.5	21.3	87 W	25*	78*
3 17	17 38.93	−19 59.0	1.345	1.691	36.0	21.2	91 W	25*	82*
3 27	18 1.48	−20 14.0	1.249	1.677	36.3	21.0	96 W	25*	84*
4 6	18 22.83	−20 21.0	1.158	1.666	36.2	20.8	101 W	24*	84
4 16	18 42.53	−20 23.0	1.072	1.658	35.6	20.6	106 W	24*	84
4 26	19 0.12	−20 23.7	0.992	1.653	34.5	20.4	112 W	24*	84
5 6	19 15.15	−20 27.6	0.918	1.651	32.7	20.2	118 W	24*	84
5 16	19 27.03	−20 39.4	0.851	1.652	30.2	19.9	125 W	24	85
5 26	19 35.23	−21 3.4	0.793	1.656	26.8	19.7	133 W	24	85
6 5	19 39.37	−21 42.6	0.746	1.664	22.4	19.4	141 W	23	86
6 15	19 39.22	−22 36.9	0.711	1.674	17.1	19.2	151 W	22	87
6 20	19 37.65	−23 8.7	0.699	1.680	14.1	19.1	156 W	22	87
6 25	19 35.22	−23 42.4	0.692	1.687	11.0	18.9	162 W	21	88
6 30	19 32.09	−24 16.9	0.688	1.695	7.8	18.8	167 W	21	88
7 5	19 28.45	−24 51.1	0.690	1.703	4.6	18.6	172 W	20	89
7 10	19 24.54	−25 23.6	0.696	1.712	2.1	18.5	176 W	20	89
7 15	19 20.63	−25 53.5	0.707	1.721	3.4	18.7	174 E	19	90
7 20	19 16.98	−26 19.9	0.723	1.731	6.3	18.9	169 E	19	90
7 25	19 13.81	−26 42.3	0.743	1.742	9.3	19.1	164 E	18	89
7 30	19 11.30	−27 0.4	0.768	1.753	12.2	19.3	159 E	18	89
8 4	19 9.59	−27 14.3	0.798	1.765	14.9	19.5	154 E	18	89
8 14	19 8.89	−27 29.8	0.869	1.790	19.5	19.8	144 E	18	89
8 24	19 11.99	−27 30.9	0.955	1.816	23.2	20.2	135 E	17	88
9 3	19 18.57	−27 19.5	1.053	1.844	26.0	20.5	127 E	18	89
9 13	19 28.17	−26 57.0	1.162	1.874	27.9	20.8	119 E	18	89

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	492344 2014 GE_{50}				*(continuation)*				
	h m	° ′			°	m	°	°	°
9 23	19 40.21	−26 24.0	1.281	1.904	29.2	21.1	112 E	19	90
10 3	19 54.14	−25 41.2	1.406	1.936	29.8	21.4	106 E	19	90
	411199 2010 KW_{117}								
2 25	16 55.73	−16 30.9	1.771	1.902	31.0	21.4	82 W	28*	71*
3 7	17 16.83	−16 57.2	1.637	1.866	32.1	21.2	87 W	28*	76*
3 17	17 37.67	−17 14.6	1.508	1.831	32.9	21.0	92 W	28*	80*
3 27	17 58.05	−17 24.3	1.383	1.797	33.5	20.8	97 W	27*	81
4 6	18 17.77	−17 28.3	1.263	1.765	33.7	20.5	102 W	27*	81
4 16	18 36.55	−17 29.0	1.150	1.734	33.6	20.3	107 W	27*	81
4 26	18 54.08	−17 30.1	1.044	1.706	33.0	20.0	113 W	27*	82
5 6	19 10.04	−17 35.8	0.945	1.680	31.8	19.8	119 W	27*	82
5 16	19 23.98	−17 51.1	0.856	1.657	30.0	19.5	125 W	27	82
5 26	19 35.44	−18 22.0	0.776	1.637	27.4	19.1	132 W	27	82
6 5	19 43.98	−19 13.8	0.707	1.620	23.9	18.8	140 W	26	83
6 15	19 49.13	−20 30.4	0.651	1.607	19.3	18.5	148 W	24	85
6 25	19 50.77	−22 11.5	0.608	1.597	13.9	18.1	158 W	23	86
6 30	19 50.37	−23 9.6	0.593	1.593	10.9	18.0	163 W	22	87
7 5	19 49.26	−24 10.9	0.582	1.590	7.8	17.8	168 W	21	88
7 10	19 47.59	−25 13.6	0.575	1.589	4.9	17.6	172 W	20	89
7 15	19 45.57	−26 15.8	0.573	1.588	3.3	17.5	175 W	19	90
7 20	19 43.44	−27 15.2	0.575	1.588	4.6	17.6	173 E	18	89
7 25	19 41.45	−28 10.2	0.581	1.589	7.5	17.8	168 E	17	88
7 30	19 39.83	−28 59.2	0.592	1.591	10.5	17.9	163 E	16	87
8 4	19 38.77	−29 41.0	0.606	1.594	13.5	18.1	158 E	15	86
8 9	19 38.46	−30 15.1	0.625	1.598	16.4	18.3	154 E	15	86
8 14	19 39.04	−30 41.2	0.648	1.603	19.0	18.4	149 E	14	85
8 24	19 43.15	−31 9.9	0.703	1.616	23.5	18.8	140 E	14	85
9 3	19 51.07	−31 9.7	0.770	1.632	27.0	19.1	133 E	14	85
9 13	20 2.42	−30 44.0	0.848	1.651	29.7	19.4	126 E	14	85
9 18	20 9.19	−30 22.8	0.891	1.662	30.7	19.6	122 E	15	86
9 23	20 16.56	−29 56.4	0.936	1.673	31.6	19.7	119 E	15	86
9 28	20 24.43	−29 25.4	0.984	1.686	32.2	19.9	116 E	16	87
10 3	20 32.74	−28 49.9	1.033	1.699	32.8	20.0	113 E	16	87
10 8	20 41.42	−28 10.4	1.084	1.712	33.2	20.1	110 E	17	88
10 13	20 50.41	−27 27.0	1.138	1.726	33.4	20.3	108 E	18	89
10 18	20 59.63	−26 40.1	1.193	1.741	33.6	20.4	105 E	18	89
10 23	21 9.03	−25 50.0	1.249	1.756	33.6	20.5	102 E	19	90
10 28	21 18.56	−24 57.0	1.308	1.771	33.6	20.6	100 E	20	89
11 2	21 28.20	−24 1.3	1.368	1.787	33.4	20.7	97 E	21	88
11 7	21 37.90	−23 3.1	1.429	1.804	33.2	20.8	95 E	22	86*
11 12	21 47.65	−22 2.7	1.491	1.821	32.9	21.0	92 E	23	83*
11 17	21 57.42	−21 0.4	1.555	1.838	32.5	21.1	90 E	24	80*
11 22	22 7.19	−19 56.4	1.620	1.855	32.1	21.2	87 E	25	76*
11 27	22 16.93	−18 50.9	1.686	1.873	31.6	21.2	85 E	26	73*
12 2	22 26.66	−17 44.0	1.753	1.891	31.1	21.3	82 E	27	70*
12 7	22 36.35	−16 36.1	1.820	1.910	30.5	21.4	80 E	28	66*
	74644 1999 RK_{63}								
2 25	17 0.37	−25 15.8	2.682	2.690	21.2	21.4	80 W	19*	73*
3 7	17 12.08	−25 34.1	2.519	2.661	21.9	21.3	87 W	19*	81*
3 17	17 22.41	−25 48.3	2.354	2.631	22.1	21.1	95 W	19*	89*
3 27	17 31.06	−25 59.0	2.192	2.601	22.0	20.9	103 W	19	90
4 6	17 37.69	−26 6.9	2.034	2.570	21.3	20.7	111 W	19	90
4 16	17 41.91	−26 12.5	1.883	2.538	20.0	20.5	120 W	19	90
4 26	17 43.34	−26 16.0	1.744	2.506	18.1	20.2	129 W	19	90
5 6	17 41.71	−26 16.8	1.618	2.473	15.4	20.0	139 W	19	90
5 16	17 36.84	−26 13.7	1.510	2.439	11.9	19.7	150 W	19	90
5 26	17 28.94	−26 4.9	1.423	2.405	7.7	19.3	161 W	19	90
5 31	17 24.04	−25 57.8	1.388	2.388	5.4	19.1	167 W	19	90
6 5	17 18.65	−25 48.6	1.360	2.370	3.0	18.9	173 W	19	90
6 10	17 12.94	−25 37.3	1.338	2.353	1.1	18.8	177 W	19	90
6 15	17 7.09	−25 24.1	1.323	2.335	2.7	18.8	174 E	20	89
6 20	17 1.28	−25 9.1	1.314	2.317	5.3	19.0	168 E	20	89
6 25	16 55.73	−24 52.9	1.312	2.300	7.9	19.1	162 E	20	89
6 30	16 50.59	−24 36.0	1.315	2.282	10.4	19.2	156 E	20	89
7 5	16 46.01	−24 18.8	1.324	2.264	12.9	19.2	150 E	21	88
7 10	16 42.15	−24 2.1	1.339	2.246	15.2	19.3	145 E	21	88
7 15	16 39.08	−23 46.3	1.358	2.228	17.4	19.4	139 E	21	88
7 25	16 35.62	−23 19.5	1.408	2.192	21.2	19.6	129 E	22	87
8 4	16 35.80	−23 0.4	1.471	2.155	24.3	19.7	119 E	22*	87
8 14	16 39.55	−22 49.5	1.542	2.119	26.6	19.9	110 E	22*	87
8 24	16 46.62	−22 45.6	1.618	2.083	28.3	20.0	102 E	21*	87
9 3	16 56.67	−22 46.7	1.696	2.047	29.4	20.1	95 E	21*	87*
9 13	17 9.40	−22 50.0	1.774	2.012	30.0	20.2	88 E	21*	82*
9 23	17 24.50	−22 52.7	1.850	1.977	30.2	20.2	82 E	20*	76*
10 3	17 41.67	−22 52.1	1.924	1.943	30.0	20.3	76 E	20*	70*
10 13	18 0.68	−22 45.3	1.994	1.910	29.5	20.3	71 E	20*	64*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	74644 1999 RK_{63}				*(continuation)*				
	h m	° ′			°	m	°	°	°
10 23	18 21.28	−22 29.9	2.060	1.878	28.8	20.3	65 E	20*	58*
11 2	18 43.24	−22 3.5	2.121	1.847	27.9	20.3	61 E	20*	53*
11 12	19 6.34	−21 24.4	2.178	1.818	26.8	20.3	56 E	21*	47*
11 22	19 30.37	−20 31.0	2.230	1.791	25.6	20.3	52 E	21*	42*
12 2	19 55.11	−19 22.4	2.278	1.765	24.2	20.3	47 E	22*	36*
12 12	20 20.39	−17 58.1	2.322	1.742	22.8	20.2	43 E	22*	31*
12 22	20 46.01	−16 18.3	2.362	1.721	21.3	20.2	40 E	22*	26*
1 1	21 11.85	−14 23.5	2.399	1.703	19.8	20.1	36 E	21*	22*
1 11	21 37.79	−12 14.8	2.434	1.687	18.2	20.1	32 E	21*	17*
1 21	22 3.75	− 9 53.9	2.467	1.675	16.5	20.1	29 E	19*	14*
	329669 2003 UD_8								
2 25	17 5.51	−23 8.7	2.430	2.440	23.5	21.5	79 W	22*	72*
3 7	17 20.66	−23 16.5	2.243	2.378	24.6	21.3	85 W	22*	79*
3 17	17 35.23	−23 16.8	2.056	2.316	25.4	21.1	92 W	22*	85*
3 27	17 49.00	−23 9.6	1.872	2.252	26.0	20.8	99 W	22*	87
4 6	18 1.77	−22 55.4	1.693	2.188	26.1	20.5	106 W	22*	87
4 16	18 13.22	−22 34.2	1.520	2.123	25.8	20.2	113 W	22	87
4 26	18 23.01	−22 6.5	1.356	2.057	25.0	19.9	120 W	23	86
5 6	18 30.79	−21 32.8	1.202	1.991	23.5	19.5	128 W	23	86
5 16	18 36.05	−20 53.4	1.060	1.925	21.2	19.1	137 W	24	85
5 26	18 38.36	−20 8.7	0.932	1.858	18.0	18.6	146 W	25	84
6 5	18 37.34	−19 19.0	0.820	1.792	13.8	18.1	155 W	26	83
6 15	18 32.79	−18 24.6	0.726	1.727	8.6	17.6	165 W	27	82
6 25	18 25.13	−17 26.6	0.649	1.663	3.9	17.0	174 W	28	81
6 30	18 20.45	−16 56.8	0.618	1.632	4.5	16.9	173 E	28	81
7 5	18 15.47	−16 27.1	0.592	1.601	7.3	16.9	169 E	29	80
7 10	18 10.44	−15 58.2	0.570	1.571	10.8	16.9	163 E	29	80
7 15	18 5.67	−15 30.6	0.552	1.542	14.6	17.0	158 E	29	80
7 20	18 1.47	−15 5.2	0.538	1.513	18.4	17.0	152 E	30	79
7 25	17 58.11	−14 42.6	0.528	1.485	22.2	17.0	147 E	30	79
7 30	17 55.82	−14 23.1	0.520	1.458	25.8	17.1	141 E	31	78
8 4	17 54.80	−14 7.2	0.515	1.432	29.3	17.1	136 E	31	78
8 14	17 57.17	−13 46.2	0.511	1.385	35.5	17.2	128 E	31	78
8 24	18 5.91	−13 37.0	0.512	1.344	40.6	17.3	120 E	31	78
9 3	18 21.01	−13 34.3	0.517	1.310	44.6	17.4	114 E	31	78
9 13	18 42.22	−13 30.6	0.525	1.284	47.4	17.4	110 E	31	78
9 23	19 8.96	−13 17.2	0.536	1.267	49.3	17.5	107 E	32	77
10 3	19 40.34	−12 46.2	0.551	1.260	50.1	17.6	105 E	32	77
10 13	20 15.27	−11 51.0	0.574	1.263	50.1	17.7	104 E	33	76
10 18	20 33.65	−11 13.1	0.589	1.268	49.9	17.7	103 E	34	75
10 23	20 52.38	−10 28.4	0.606	1.276	49.5	17.8	103 E	35	74
10 28	21 11.28	− 9 37.1	0.626	1.286	48.9	17.9	103 E	35	74
11 2	21 30.18	− 8 39.9	0.649	1.298	48.3	17.9	103 E	36	73
11 7	21 48.95	− 7 37.4	0.675	1.312	47.6	18.0	102 E	37	72*
11 12	22 7.46	− 6 30.4	0.704	1.329	46.8	18.1	102 E	38	70*
11 17	22 25.61	− 5 20.0	0.737	1.347	46.0	18.2	102 E	40	69*
11 22	22 43.30	− 4 7.0	0.774	1.367	45.1	18.3	101 E	41	68*
11 27	23 0.49	− 2 52.4	0.814	1.389	44.3	18.5	101 E	42	66*
12 2	23 17.16	− 1 37.0	0.857	1.412	43.5	18.6	100 E	43	65*
12 7	23 33.32	− 0 21.4	0.904	1.437	42.6	18.7	99 E	45	63*
12 12	23 48.97	+ 0 53.8	0.954	1.463	41.8	18.9	98 E	46	61*
12 22	0 18.79	+ 3 21.1	1.064	1.518	40.2	19.1	96 E	48	57*
1 1	0 46.83	+ 5 42.0	1.185	1.576	38.5	19.4	93 E	51	53*
1 11	1 13.40	+ 7 54.9	1.318	1.637	36.9	19.7	90 E	53	50*
1 21	1 38.73	+ 9 58.7	1.459	1.701	35.2	19.9	86 E	55	46*
	350243 2012 TZ_{78}								
2 25	17 8.37	−18 53.9	1.802	1.877	31.1	21.4	79 W	26*	70*
3 7	17 30.00	−19 2.6	1.678	1.850	32.2	21.2	83 W	26*	75*
3 17	17 51.14	−18 59.2	1.556	1.824	33.0	21.1	88 W	26*	79*
3 27	18 11.57	−18 44.9	1.437	1.799	33.6	20.9	93 W	26*	82*
4 6	18 31.04	−18 20.9	1.322	1.775	33.9	20.7	99 W	26*	82
4 16	18 49.24	−17 49.3	1.212	1.752	33.7	20.4	104 W	27*	82
4 26	19 5.83	−17 13.1	1.108	1.731	33.1	20.2	110 W	28*	81
5 6	19 20.47	−16 35.4	1.010	1.712	32.0	19.9	116 W	28*	81
5 16	19 32.68	−16 0.7	0.920	1.694	30.2	19.7	123 W	29*	80
5 26	19 42.01	−15 33.8	0.839	1.678	27.6	19.4	130 W	29	80
6 5	19 48.01	−15 19.9	0.767	1.665	24.1	19.1	138 W	30	79
6 15	19 50.30	−15 24.0	0.707	1.654	19.7	18.7	147 W	30	79
6 25	19 48.88	−15 49.2	0.662	1.645	14.2	18.4	157 W	29	80
7 5	19 44.26	−16 35.2	0.632	1.638	8.0	18.0	167 W	28	81
7 10	19 41.09	−17 4.8	0.623	1.636	4.8	17.9	172 W	28	81
7 15	19 37.62	−17 37.7	0.619	1.635	2.5	17.7	176 W	27	82
7 20	19 34.12	−18 12.5	0.620	1.634	3.7	17.8	174 E	27	82
7 25	19 30.84	−18 48.1	0.625	1.633	6.8	18.0	169 E	26	83
7 30	19 28.00	−19 23.4	0.634	1.634	10.0	18.1	164 E	26	83
8 4	19 25.80	−19 57.3	0.648	1.635	13.2	18.3	158 E	25	84

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	350243 2012 TZ_{78}				*(continuation)*				
	h m	° ′			°	m	°	°	°
8 9	19 24.42	−20 28.9	0.666	1.637	16.1	18.5	153 E	25	84
8 14	19 23.99	−20 57.5	0.688	1.639	18.9	18.6	148 E	24	85
8 24	19 26.24	−21 44.0	0.742	1.646	23.7	18.9	139 E	23	86
9 3	19 32.54	−22 14.4	0.808	1.655	27.4	19.3	131 E	23	86
9 13	19 42.54	−22 27.6	0.885	1.666	30.3	19.6	123 E	23	86
9 23	19 55.67	−22 23.1	0.970	1.680	32.3	19.8	117 E	23	86
9 28	20 3.18	−22 14.4	1.016	1.688	33.0	20.0	114 E	23	86
10 3	20 11.23	−22 1.3	1.063	1.696	33.6	20.1	110 E	23	86
10 8	20 19.74	−21 44.0	1.113	1.705	34.0	20.2	108 E	23	86
10 13	20 28.65	−21 22.6	1.163	1.714	34.3	20.3	105 E	24	85
10 18	20 37.89	−20 57.1	1.215	1.723	34.5	20.4	102 E	24	85
10 23	20 47.41	−20 27.7	1.269	1.733	34.5	20.5	99 E	25	84
10 28	20 57.14	−19 54.6	1.324	1.744	34.5	20.6	97 E	25	84*
11 2	21 7.05	−19 18.0	1.379	1.755	34.3	20.7	94 E	26	82*
11 7	21 17.10	−18 37.9	1.436	1.766	34.1	20.8	91 E	26	80*
11 12	21 27.26	−17 54.7	1.494	1.777	33.8	20.9	89 E	27	77*
11 17	21 37.50	−17 8.4	1.553	1.789	33.5	21.0	87 E	28	74*
11 22	21 47.78	−16 19.4	1.612	1.801	33.0	21.1	84 E	29	71*
11 27	21 58.09	−15 27.9	1.672	1.814	32.6	21.2	82 E	30	67*
12 2	22 8.41	−14 34.0	1.733	1.827	32.0	21.3	79 E	30	64*
12 7	22 18.73	−13 38.0	1.794	1.839	31.4	21.3	77 E	31	61*
12 12	22 29.04	−12 40.1	1.855	1.853	30.8	21.4	74 E	32	58*
12 17	22 39.33	−11 40.5	1.917	1.866	30.1	21.5	72 E	33	55*
	162789 2000 YF_{33}								
2 25	17 9.48	−16 20.7	2.794	2.773	20.5	21.5	79 W	28*	69*
3 7	17 20.06	−16 17.3	2.633	2.749	21.1	21.3	86 W	28*	75*
3 17	17 29.26	−16 8.4	2.471	2.724	21.4	21.2	94 W	29*	80*
3 27	17 36.80	−15 55.1	2.311	2.698	21.2	21.0	102 W	29	80
4 6	17 42.39	−15 38.4	2.154	2.671	20.6	20.8	110 W	29	80
4 16	17 45.70	−15 19.6	2.005	2.643	19.4	20.6	119 W	30	79
4 26	17 46.43	−15 0.2	1.867	2.614	17.5	20.4	129 W	30	79
5 6	17 44.38	−14 41.9	1.742	2.585	15.0	20.1	138 W	30	79
5 16	17 39.43	−14 26.2	1.635	2.555	11.8	19.8	149 W	31	78
5 26	17 31.81	−14 14.9	1.550	2.525	8.0	19.5	160 W	31	78
6 5	17 22.08	−14 9.5	1.490	2.493	4.5	19.2	169 W	31	78
6 15	17 11.17	−14 11.3	1.455	2.461	4.3	19.2	170 E	31	78
6 25	17 0.33	−14 21.4	1.448	2.429	8.1	19.3	160 E	31	78
7 5	16 50.78	−14 40.3	1.464	2.395	12.5	19.5	149 E	30	79
7 15	16 43.54	−15 8.0	1.502	2.362	16.6	19.6	138 E	30	79
7 25	16 39.29	−15 43.8	1.558	2.327	20.1	19.8	128 E	29	80
8 4	16 38.27	−16 26.4	1.627	2.293	22.9	19.9	119 E	29*	80
8 14	16 40.51	−17 14.3	1.704	2.258	25.0	20.1	110 E	27*	81
8 24	16 45.85	−18 5.5	1.787	2.223	26.5	20.2	102 E	26*	82
9 3	16 54.03	−18 57.8	1.872	2.187	27.4	20.3	94 E	25*	83*
9 13	17 4.82	−19 49.2	1.957	2.152	27.8	20.4	87 E	23*	79*
9 23	17 17.95	−20 37.6	2.040	2.116	27.9	20.4	80 E	22*	73*
10 3	17 33.17	−21 20.7	2.120	2.081	27.5	20.5	74 E	21*	67*
10 13	17 50.31	−21 56.6	2.195	2.045	26.9	20.5	68 E	20*	61*
10 23	18 9.13	−22 23.3	2.264	2.011	26.1	20.5	63 E	20*	56*
11 2	18 29.45	−22 39.0	2.327	1.976	25.0	20.5	57 E	19*	50*
11 12	18 51.10	−22 42.1	2.384	1.943	23.8	20.4	52 E	19*	44*
11 22	19 13.87	−22 31.1	2.434	1.910	22.4	20.4	47 E	18*	39*
12 2	19 37.59	−22 5.0	2.478	1.878	20.9	20.4	43 E	18*	33*
12 12	20 2.07	−21 22.9	2.516	1.848	19.3	20.3	38 E	17*	28*
12 22	20 27.13	−20 24.6	2.547	1.819	17.7	20.3	34 E	16*	24*
1 1	20 52.62	−19 10.1	2.573	1.791	16.0	20.2	30 E	15*	19*
1 11	21 18.40	−17 39.8	2.594	1.765	14.2	20.1	26 E	13*	15*
1 21	21 44.34	−15 54.8	2.610	1.742	12.5	20.0	23 E	11*	12*
	186737 2004 CP_{26}								
2 25	17 10.93	−14 59.1	2.619	2.607	21.8	21.4	78 W	29*	67*
3 7	17 22.23	−14 47.5	2.467	2.588	22.5	21.3	86 W	30*	74*
3 17	17 32.12	−14 29.1	2.313	2.568	22.8	21.2	93 W	30*	78*
3 27	17 40.30	−14 5.0	2.161	2.546	22.6	21.0	101 W	31*	78
4 6	17 46.47	−13 36.2	2.012	2.524	22.0	20.8	109 W	31	78
4 16	17 50.27	−13 4.1	1.870	2.501	20.8	20.6	118 W	32	77
4 26	17 51.40	−12 30.8	1.737	2.477	18.9	20.3	127 W	32	77
5 6	17 49.58	−11 58.1	1.618	2.452	16.4	20.1	137 W	33	76
5 16	17 44.70	−11 28.8	1.515	2.426	13.2	19.8	147 W	34	75
5 26	17 36.93	−11 5.6	1.433	2.399	9.5	19.5	157 W	34	75
6 5	17 26.85	−10 51.4	1.375	2.371	6.1	19.2	166 W	34	75
6 15	17 15.43	−10 48.5	1.342	2.342	5.7	19.1	167 E	34	75
6 25	17 4.00	−10 58.7	1.335	2.313	9.0	19.3	159 E	34	75
7 5	16 53.89	−11 22.1	1.352	2.282	13.4	19.4	149 E	34	75
7 15	16 46.19	−11 58.1	1.390	2.251	17.5	19.6	138 E	33	76
7 25	16 41.63	−12 44.7	1.444	2.220	21.1	19.8	128 E	32	77
8 4	16 40.47	−13 39.5	1.512	2.187	24.0	19.9	119 E	31*	78
8 14	16 42.71	−14 39.9	1.588	2.154	26.3	20.1	110 E	30*	79
8 24	16 48.16	−15 43.4	1.669	2.121	27.8	20.2	102 E	28*	80
9 3	16 56.55	−16 47.3	1.753	2.087	28.8	20.3	94 E	27*	81*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
186737 2004 CP_{26} *(continuation)*									
9 13	17 7.61	−17 49.4	1.836	2.053	29.3	20.4	87 E	25*	78*
9 23	17 21.08	−18 47.3	1.917	2.018	29.4	20.4	81 E	24*	73*
10 3	17 36.69	−19 39.0	1.994	1.983	29.1	20.5	75 E	23*	68*
10 13	17 54.26	−20 22.3	2.067	1.949	28.6	20.5	69 E	22*	62*
10 23	18 13.57	−20 55.3	2.135	1.914	27.8	20.5	64 E	21*	56*
11 2	18 34.41	−21 16.1	2.197	1.880	26.8	20.5	59 E	21*	51*
11 12	18 56.63	−21 23.2	2.252	1.847	25.6	20.5	54 E	20*	45*
11 22	19 20.01	−21 15.2	2.301	1.814	24.3	20.4	49 E	20*	40*
12 2	19 44.38	−20 50.9	2.344	1.781	22.9	20.4	45 E	19*	35*
12 12	20 9.55	−20 9.6	2.381	1.750	21.3	20.3	40 E	19*	30*
12 22	20 35.35	−19 11.0	2.412	1.720	19.8	20.3	36 E	18*	25*
1 1	21 1.63	−17 55.2	2.438	1.692	18.2	20.2	32 E	17*	21*
1 11	21 28.25	−16 22.8	2.459	1.666	16.5	20.1	29 E	16*	17*
1 21	21 55.09	−14 35.0	2.476	1.641	14.9	20.1	25 E	14*	14*
302024 2000 SM_{134}									
2 25	17 34.91	−26 8.8	1.934	1.880	30.0	21.4	72 W	18*	66*
3 7	17 59.30	−25 55.1	1.811	1.851	31.4	21.3	77 W	18*	70*
3 17	18 23.31	−25 23.9	1.690	1.823	32.6	21.1	81 W	18*	75*
3 27	18 46.70	−24 34.9	1.572	1.797	33.6	21.0	86 W	19*	80*
4 6	19 9.24	−23 28.9	1.458	1.772	34.4	20.8	90 W	20*	84*
4 16	19 30.61	−22 6.6	1.348	1.750	34.8	20.6	95 W	21*	86*
4 26	19 50.53	−20 29.4	1.243	1.729	35.0	20.4	100 W	23*	84
5 6	20 8.70	−18 39.2	1.144	1.711	34.7	20.2	105 W	25*	83
5 16	20 24.75	−16 38.4	1.051	1.695	34.0	20.0	111 W	27*	81
5 26	20 38.30	−14 30.0	0.965	1.682	32.6	19.7	116 W	30*	78
6 5	20 48.96	−12 17.4	0.887	1.671	30.7	19.5	123 W	33*	76
6 15	20 56.26	−10 5.5	0.818	1.664	27.9	19.2	130 W	35	74
6 20	20 58.54	− 9 1.6	0.788	1.661	26.3	19.1	134 W	36	73
6 25	20 59.88	− 8 0.0	0.760	1.659	24.4	18.9	138 W	37	72
6 30	21 0.27	− 7 1.6	0.736	1.658	22.4	18.8	142 W	38	71
7 5	20 59.71	− 6 7.4	0.714	1.657	20.1	18.7	146 W	39	70
7 10	20 58.25	− 5 18.4	0.697	1.658	17.8	18.5	150 W	40	69
7 15	20 55.99	− 4 35.5	0.683	1.659	15.4	18.4	154 W	40	69
7 20	20 53.07	− 3 59.3	0.673	1.661	13.0	18.3	158 W	41	68
7 25	20 49.67	− 3 30.5	0.668	1.663	10.9	18.2	162 W	41	68
8 4	20 42.23	− 2 55.6	0.670	1.671	8.9	18.1	165 E	42	67
8 14	20 35.44	− 2 49.5	0.690	1.681	11.1	18.3	161 E	42	67
8 24	20 30.95	− 3 5.2	0.727	1.694	15.2	18.6	154 E	42	67
8 29	20 29.91	− 3 18.3	0.752	1.702	17.4	18.8	150 E	42	67
9 3	20 29.75	− 3 33.6	0.781	1.710	19.5	18.9	145 E	41	68
9 8	20 30.52	− 3 49.7	0.813	1.719	21.5	19.1	141 E	41	68
9 13	20 32.22	− 4 5.7	0.849	1.728	23.3	19.2	137 E	41	68
9 18	20 34.82	− 4 20.6	0.888	1.739	24.9	19.4	133 E	41	68
9 23	20 38.25	− 4 33.8	0.930	1.749	26.3	19.5	130 E	40	69
10 3	20 47.37	− 4 52.8	1.022	1.772	28.5	19.8	122 E	40	69
10 13	20 59.07	− 4 59.7	1.124	1.796	30.1	20.1	116 E	40	69
10 23	21 12.83	− 4 52.7	1.234	1.823	31.0	20.4	109 E	40	69
11 2	21 28.15	− 4 31.6	1.351	1.850	31.5	20.6	103 E	40	69
11 12	21 44.66	− 3 56.7	1.474	1.879	31.5	20.9	97 E	41	67*
11 22	22 2.02	− 3 8.8	1.603	1.910	31.1	21.1	92 E	42	63*
12 2	22 19.97	− 2 9.3	1.735	1.941	30.5	21.3	86 E	43	58*
12 12	22 38.35	− 0 59.5	1.871	1.972	29.5	21.4	81 E	44	53*
161972 2007 JJ_{40}									
2 25	17 43.74	−14 57.9	2.167	2.060	26.9	21.5	71 W	28*	61*
3 7	18 3.74	−14 21.4	2.031	2.027	28.3	21.3	76 W	29*	66*
3 17	18 23.26	−13 31.4	1.897	1.995	29.5	21.2	81 W	30*	70*
3 27	18 42.11	−12 28.6	1.764	1.963	30.5	21.0	86 W	31*	73*
4 6	19 0.16	−11 13.9	1.634	1.931	31.2	20.8	91 W	32*	75*
4 16	19 17.17	− 9 48.5	1.507	1.901	31.7	20.6	96 W	34*	74
4 26	19 32.94	− 8 14.5	1.386	1.871	31.8	20.4	102 W	36*	72
5 6	19 47.22	− 6 34.2	1.271	1.842	31.5	20.2	107 W	38*	71
5 16	19 59.71	− 4 51.0	1.161	1.815	30.8	19.9	113 W	40*	69
5 26	20 10.09	− 3 9.4	1.060	1.789	29.6	19.7	119 W	42*	67
5 31	20 14.39	− 2 20.9	1.013	1.776	28.8	19.5	122 W	43	66
6 5	20 18.03	− 1 34.9	0.967	1.764	27.8	19.4	126 W	43	66
6 10	20 20.96	− 0 52.4	0.925	1.753	26.7	19.3	129 W	44	65
6 15	20 23.15	− 0 14.6	0.885	1.742	25.4	19.1	133 W	45	64
6 20	20 24.58	+ 0 17.5	0.847	1.731	23.9	19.0	136 W	45	64
6 25	20 25.24	+ 0 42.8	0.813	1.721	22.2	18.8	140 W	46	63
6 30	20 25.14	+ 1 0.0	0.782	1.712	20.4	18.6	144 W	46	63
7 5	20 24.29	+ 1 8.2	0.754	1.703	18.5	18.5	148 W	46	63
7 10	20 22.76	+ 1 6.1	0.730	1.695	16.6	18.4	152 W	46	63
7 15	20 20.66	+ 0 53.1	0.710	1.687	14.7	18.2	155 W	46	63
7 25	20 15.36	− 0 6.5	0.682	1.674	11.7	18.0	160 E	45	64
8 4	20 9.80	− 1 47.5	0.672	1.664	11.6	18.0	161 E	43	66
8 14	20 5.61	− 3 59.2	0.679	1.656	14.5	18.1	156 E	41	68

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
161972 2007 JJ_{40} *(continuation)*									
8 19	20 4.52	− 5 11.5	0.689	1.654	16.6	18.2	152 E	40	69
8 24	20 4.27	− 6 25.1	0.704	1.652	18.8	18.3	148 E	39	70
8 29	20 4.95	− 7 38.0	0.722	1.650	21.0	18.4	144 E	37	72
9 3	20 6.60	− 8 48.5	0.744	1.650	23.1	18.5	140 E	36	73
9 8	20 9.25	− 9 55.1	0.769	1.650	25.0	18.7	136 E	35	74
9 13	20 12.88	−10 56.4	0.798	1.651	26.8	18.8	132 E	34	75
9 23	20 22.91	−12 40.3	0.863	1.656	29.8	19.1	125 E	32	77
10 3	20 36.15	−13 56.1	0.939	1.663	32.1	19.3	118 E	31	78
10 13	20 52.04	−14 42.6	1.024	1.673	33.6	19.6	112 E	30	79
10 23	21 9.96	−15 0.4	1.116	1.686	34.6	19.8	106 E	30	79
10 28	21 19.48	−14 59.3	1.164	1.694	34.8	19.9	103 E	30	79
11 2	21 29.31	−14 51.8	1.215	1.702	35.0	20.0	100 E	30	79
11 7	21 39.39	−14 38.2	1.266	1.711	35.0	20.1	98 E	30	78*
11 12	21 49.68	−14 19.1	1.319	1.720	35.0	20.2	95 E	31	77*
11 17	22 0.11	−13 54.6	1.373	1.730	34.8	20.3	93 E	31	75*
11 22	22 10.66	−13 25.3	1.428	1.740	34.6	20.4	90 E	32	73*
11 27	22 21.28	−12 51.6	1.485	1.751	34.3	20.5	88 E	32	70*
12 2	22 31.96	−12 13.8	1.542	1.762	33.9	20.6	85 E	33	68*
12 7	22 42.68	−11 32.3	1.600	1.774	33.4	20.7	83 E	33	65*
12 12	22 53.42	−10 47.5	1.659	1.787	32.9	20.7	81 E	34	62*
12 17	23 4.15	− 9 59.7	1.718	1.799	32.4	20.8	78 E	35	59*
12 22	23 14.86	− 9 9.5	1.778	1.813	31.8	20.9	76 E	36	56*
12 27	23 25.55	− 8 17.0	1.838	1.826	31.1	21.0	74 E	37	53*
1 1	23 36.22	− 7 22.6	1.899	1.840	30.4	21.0	71 E	38*	51*
1 6	23 46.85	− 6 26.6	1.960	1.854	29.7	21.1	69 E	38*	48*
1 11	23 57.45	− 5 29.4	2.021	1.869	29.0	21.2	67 E	39*	45*
1 16	0 8.02	− 4 31.2	2.082	1.883	28.2	21.2	65 E	39*	43*
1 21	0 18.55	− 3 32.4	2.143	1.898	27.3	21.3	62 E	39*	41*
331857 2003 WN_7									
2 25	17 57.99	− 6 29.9	3.589	3.345	15.9	21.5	68 W	35*	53*
3 7	18 6.77	− 6 22.3	3.424	3.314	16.8	21.4	75 W	36*	60*
3 17	18 14.46	− 6 11.3	3.253	3.283	17.5	21.3	83 W	37*	66*
3 27	18 20.84	− 5 58.3	3.079	3.250	17.9	21.1	91 W	38*	69*
4 6	18 25.70	− 5 45.0	2.905	3.217	17.9	21.0	99 W	39*	70
4 16	18 28.81	− 5 33.2	2.734	3.183	17.5	20.8	108 W	39*	70
4 26	18 29.92	− 5 25.4	2.569	3.148	16.6	20.6	116 W	40	69
5 6	18 28.83	− 5 24.3	2.414	3.113	15.2	20.4	126 W	40	69
5 16	18 25.38	− 5 32.6	2.273	3.076	13.3	20.2	135 W	39	70
5 26	18 19.56	− 5 53.4	2.151	3.039	10.9	20.0	145 W	39	70
6 5	18 11.56	− 6 28.9	2.051	3.002	8.2	19.7	155 W	39	70
6 15	18 1.80	− 7 20.4	1.978	2.963	5.9	19.5	163 W	38	71
6 25	17 51.04	− 8 27.6	1.933	2.924	5.5	19.4	164 E	37	72
7 5	17 40.18	− 9 48.5	1.918	2.884	7.7	19.5	158 E	35	74
7 15	17 30.18	−11 19.7	1.930	2.843	10.9	19.6	148 E	34	75
7 25	17 21.94	−12 57.3	1.967	2.802	14.2	19.7	138 E	32	77
8 4	17 16.05	−14 37.8	2.026	2.760	17.0	19.8	127 E	30	79
8 14	17 12.87	−16 18.2	2.100	2.718	19.3	20.0	117 E	29	80
8 24	17 12.53	−17 56.6	2.186	2.675	21.1	20.1	108 E	27*	82
9 3	17 14.95	−19 31.5	2.279	2.631	22.3	20.2	99 E	25*	84
9 13	17 20.02	−21 2.0	2.374	2.587	22.9	20.2	91 E	23*	83*
9 23	17 27.54	−22 27.3	2.469	2.543	23.0	20.3	83 E	21*	76*
10 3	17 37.32	−23 46.7	2.560	2.498	22.8	20.3	75 E	19*	69*
10 13	17 49.17	−24 59.5	2.646	2.453	22.2	20.3	68 E	17*	62*
10 23	18 2.92	−26 4.8	2.724	2.407	21.2	20.3	61 E	16*	55*
11 2	18 18.42	−27 1.9	2.792	2.362	20.1	20.3	55 E	14*	48*
11 12	18 35.53	−27 50.0	2.850	2.316	18.7	20.3	49 E	13*	42*
11 22	18 54.12	−28 28.0	2.897	2.271	17.1	20.2	43 E	11*	36*
12 2	19 14.05	−28 55.3	2.932	2.226	15.5	20.1	37 E	9*	30*
12 12	19 35.22	−29 10.8	2.955	2.180	13.7	20.0	32 E	7*	25*
12 22	19 57.48	−29 14.0	2.967	2.136	12.0	19.9	27 E	5*	20*
1 1	20 20.73	−29 4.1	2.967	2.092	10.3	19.8	22 E	3*	16*
1 11	20 44.85	−28 40.6	2.957	2.049	8.8	19.7	19 E	—	12*
1 21	21 9.70	−28 3.3	2.937	2.006	7.6	19.6	16 E	—	10*
213050 1998 TS_3									
2 25	18 19.24	− 1 24.6	1.841	1.654	32.3	21.5	63 W	38*	46*
3 7	18 42.33	+ 1 40.7	1.782	1.669	33.2	21.5	67 W	41*	48*
3 17	19 4.16	+ 5 2.4	1.725	1.684	33.9	21.4	71 W	44*	50*
3 27	19 24.58	+ 8 37.6	1.671	1.700	34.4	21.4	74 W	47*	50*
4 6	19 43.48	+12 22.8	1.619	1.716	34.8	21.4	78 W	51*	49*
4 16	20 0.67	+16 14.6	1.570	1.732	34.9	21.3	81 W	54*	47*
4 26	20 15.98	+20 8.7	1.522	1.748	35.0	21.3	85 W	58*	44*
5 6	20 29.19	+24 1.4	1.477	1.764	34.9	21.2	88 W	63*	40
5 16	20 40.01	+27 48.2	1.433	1.780	34.6	21.2	92 W	68*	36
5 26	20 48.11	+31 24.0	1.390	1.795	34.2	21.1	95 W	73*	33
6 5	20 53.13	+34 43.1	1.348	1.810	33.6	21.0	99 W	79*	29
6 15	20 54.66	+37 38.8	1.307	1.825	32.9	21.0	103 W	83	26
6 25	20 52.46	+40 1.9	1.269	1.839	32.0	20.9	107 W	85	24
7 5	20 46.55	+41 43.0	1.232	1.853	30.9	20.8	111 W	87	22
7 15	20 37.40	+42 30.9	1.200	1.866	29.7	20.7	114 W	88	21

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
213050 1998 TS_3 *(continuation)*									
7 25	20 26.21	+42 16.0	1.174	1.879	28.5	20.7	118 W	87	22
8 4	20 14.64	+40 53.3	1.156	1.891	27.4	20.6	121 E	86	23
8 14	20 4.51	+38 23.7	1.149	1.902	26.5	20.6	123 E	83	26
8 24	19 57.36	+34 56.5	1.154	1.913	26.0	20.6	124 E	80	29
9 3	19 53.99	+30 47.5	1.173	1.922	26.0	20.6	123 E	76	33
9 13	19 54.62	+26 15.2	1.208	1.931	26.5	20.7	121 E	71	38
9 23	19 59.05	+21 38.8	1.259	1.939	27.3	20.9	118 E	67	42
10 3	20 6.79	+17 13.9	1.325	1.947	28.3	21.0	113 E	62	47
10 13	20 17.34	+13 11.8	1.405	1.953	29.2	21.2	107 E	58	51
10 23	20 30.19	+ 9 39.7	1.497	1.958	29.8	21.3	102 E	55	54*
11 2	20 44.87	+ 6 40.5	1.599	1.963	30.2	21.5	96 E	52	56*
215528 2002 VQ_{91}									
2 25	18 26.40	−22 29.1	2.520	2.203	23.0	21.4	60 W	18*	54*
3 7	18 46.88	−22 47.0	2.376	2.163	24.7	21.3	66 W	18*	59*
3 17	19 7.35	−22 59.7	2.231	2.124	26.3	21.2	71 W	18*	65*
3 27	19 27.74	−23 8.6	2.085	2.085	27.7	21.0	76 W	17*	70*
4 6	19 47.98	−23 15.3	1.940	2.046	28.9	20.9	81 W	17*	75*
4 16	20 8.00	−23 21.9	1.796	2.008	29.9	20.7	87 W	17*	81*
4 26	20 27.69	−23 30.8	1.656	1.970	30.7	20.5	92 W	17*	86*
5 6	20 46.98	−23 44.9	1.521	1.933	31.1	20.3	98 W	17*	88
5 16	21 5.72	−24 7.5	1.392	1.898	31.3	20.0	103 W	18*	88
5 26	21 23.75	−24 42.4	1.270	1.863	31.0	19.8	109 W	18*	89
6 5	21 40.89	−25 33.7	1.156	1.830	30.2	19.5	115 W	18*	90
6 15	21 56.80	−26 45.3	1.052	1.798	29.0	19.3	121 W	17*	89
6 25	22 11.11	−28 20.4	0.959	1.769	27.3	19.0	127 W	16*	88
6 30	22 17.53	−29 17.3	0.917	1.755	26.2	18.8	130 W	16*	87
7 5	22 23.35	−30 20.3	0.878	1.742	25.1	18.7	133 W	15	86
7 10	22 28.50	−31 29.1	0.843	1.729	23.8	18.5	137 W	14	85
7 15	22 32.89	−32 42.9	0.811	1.717	22.6	18.4	140 W	12	83
7 20	22 36.46	−34 0.4	0.783	1.705	21.3	18.3	142 W	11	82
7 25	22 39.16	−35 20.1	0.759	1.695	20.1	18.1	145 W	10	81
7 30	22 40.94	−36 40.1	0.739	1.685	19.0	18.0	147 W	8	79
8 4	22 41.75	−37 58.1	0.722	1.675	18.2	18.0	149 W	7	78
8 9	22 41.63	−39 11.3	0.710	1.667	17.7	17.9	150 W	6	77
8 14	22 40.65	−40 17.1	0.702	1.659	17.6	17.9	150 W	5	76
8 19	22 38.97	−41 12.6	0.697	1.653	17.9	17.8	150 W	4	75
8 24	22 36.76	−41 55.7	0.697	1.647	18.6	17.9	149 W	3	74
8 29	22 34.24	−42 24.7	0.700	1.642	19.6	17.9	147 W	3	74
9 3	22 31.67	−42 38.4	0.707	1.638	20.8	17.9	145 E	2	73
9 8	22 29.31	−42 36.4	0.717	1.635	22.1	18.0	142 E	2	73
9 13	22 27.42	−42 18.6	0.730	1.632	23.6	18.1	140 E	3	74
9 18	22 26.20	−41 46.0	0.747	1.631	25.0	18.2	137 E	3	74
9 23	22 25.79	−40 59.7	0.766	1.631	26.3	18.3	134 E	4	75
9 28	22 26.24	−40 1.2	0.788	1.631	27.6	18.4	131 E	5	76
10 3	22 27.61	−38 51.8	0.813	1.633	28.8	18.5	128 E	6	77
10 8	22 29.88	−37 33.0	0.840	1.635	29.9	18.6	125 E	7	78
10 13	22 33.02	−36 6.2	0.870	1.638	30.9	18.7	122 E	9	80
10 18	22 36.97	−34 32.8	0.902	1.643	31.8	18.8	120 E	10	81
10 23	22 41.64	−32 54.1	0.937	1.648	32.5	18.9	117 E	12	83
10 28	22 46.95	−31 11.0	0.973	1.654	33.2	19.0	114 E	14	85
11 2	22 52.83	−29 24.5	1.012	1.661	33.7	19.1	112 E	16	87
11 7	22 59.21	−27 35.4	1.053	1.669	34.1	19.2	109 E	17	88
11 12	23 6.03	−25 44.3	1.096	1.677	34.4	19.3	107 E	19	90
11 17	23 13.22	−23 52.1	1.141	1.686	34.6	19.5	104 E	21	88
11 22	23 20.73	−21 59.2	1.188	1.697	34.7	19.6	102 E	23	86
11 27	23 28.51	−20 6.1	1.237	1.707	34.7	19.7	100 E	25	84
12 2	23 36.53	−18 13.2	1.288	1.719	34.7	19.8	97 E	27	82*
12 7	23 44.75	−16 20.9	1.341	1.731	34.5	19.9	95 E	29	79*
12 12	23 53.16	−14 29.4	1.395	1.744	34.3	20.0	93 E	31	75*
12 22	0 10.41	−10 50.4	1.508	1.772	33.7	20.1	88 E	34	68*
1 1	0 28.14	− 7 17.8	1.626	1.801	32.8	20.3	83 E	38	61*
1 11	0 46.27	− 3 53.0	1.750	1.833	31.8	20.5	79 E	41	54*
1 21	1 4.74	− 0 37.1	1.876	1.866	30.5	20.6	74 E	44*	48*
163249 2002 GT									
2 25	18 35.96	−19 43.2	1.474	1.266	41.5	21.5	58 W	20*	51*
3 2	18 55.89	−19 1.7	1.432	1.239	42.8	21.4	58 W	20*	51*
3 7	19 16.25	−18 9.8	1.392	1.213	44.1	21.3	58 W	19*	51*
3 12	19 37.01	−17 7.2	1.356	1.187	45.4	21.3	58 W	19*	51*
3 17	19 58.13	−15 53.9	1.323	1.160	46.7	21.2	58 W	19*	51*
3 22	20 19.56	−14 29.9	1.293	1.134	47.9	21.1	58 W	19*	51*
3 27	20 41.26	−12 55.6	1.267	1.108	49.1	21.1	57 W	19*	50*
4 1	21 3.19	−11 11.8	1.245	1.083	50.2	21.0	56 W	19*	49*
4 6	21 25.32	− 9 19.3	1.228	1.058	51.3	21.0	56 W	19*	49*
4 11	21 47.59	− 7 19.3	1.214	1.034	52.2	20.9	55 W	18*	47*
4 16	22 9.96	− 5 13.4	1.205	1.012	53.0	20.9	54 W	18*	46*
4 21	22 32.41	− 3 3.1	1.200	0.990	53.6	20.8	52 W	18*	45*
4 26	22 54.90	− 0 50.4	1.200	0.970	54.0	20.8	51 W	18*	44*
5 1	23 17.42	+ 1 23.0	1.204	0.952	54.2	20.8	50 W	18*	42*
5 6	23 39.96	+ 3 35.2	1.212	0.936	54.2	20.8	49 W	17*	41*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
163249 2002 GT *(continuation)*									
5 11	0 2.49	+ 5 44.6	1.223	0.922	54.0	20.7	48 W	17*	39*
5 16	0 25.00	+ 7 49.5	1.238	0.911	53.5	20.7	46 W	17*	38*
5 21	0 47.47	+ 9 48.4	1.256	0.902	52.9	20.7	45 W	17*	36*
5 26	1 9.88	+11 40.0	1.277	0.897	52.1	20.7	44 W	17*	35*
5 31	1 32.21	+13 23.5	1.299	0.894	51.1	20.7	43 W	17*	34*
6 5	1 54.44	+14 57.9	1.323	0.895	50.0	20.7	42 W	17*	33*
6 10	2 16.52	+16 22.6	1.349	0.899	48.8	20.7	42 W	17*	32*
6 15	2 38.42	+17 37.3	1.375	0.905	47.6	20.8	41 W	18*	31*
6 20	3 0.09	+18 41.6	1.401	0.915	46.4	20.8	41 W	18*	30*
6 25	3 21.47	+19 35.5	1.428	0.927	45.2	20.8	40 W	18*	29*
6 30	3 42.53	+20 19.1	1.454	0.942	44.1	20.9	40 W	19*	28*
7 5	4 3.22	+20 52.7	1.480	0.959	43.0	20.9	40 W	20*	28*
7 10	4 23.49	+21 16.6	1.504	0.978	42.0	21.0	40 W	21*	27*
7 15	4 43.29	+21 31.2	1.528	0.998	41.1	21.0	40 W	22*	27*
7 20	5 2.60	+21 37.0	1.550	1.020	40.4	21.1	41 W	23*	27*
7 25	5 21.38	+21 34.6	1.570	1.044	39.7	21.1	41 W	24*	27*
7 30	5 39.62	+21 24.7	1.589	1.068	39.1	21.2	42 W	25*	27*
8 4	5 57.31	+21 7.7	1.605	1.093	38.6	21.3	42 W	27*	27*
8 9	6 14.43	+20 44.4	1.620	1.119	38.2	21.3	43 W	28*	27*
8 14	6 30.98	+20 15.3	1.633	1.145	37.9	21.4	44 W	29*	27*
8 19	6 46.95	+19 41.1	1.643	1.171	37.7	21.4	45 W	31*	27*
8 24	7 2.37	+19 2.2	1.651	1.197	37.5	21.5	46 W	32*	28*
277423 2005 UC_{314}									
2 25	18 44.49	−31 13.1	2.205	1.863	26.5	21.5	57 W	8*	51*
3 7	19 12.60	−32 12.4	2.090	1.834	28.3	21.4	61 W	7*	55*
3 17	19 41.59	−33 1.5	1.977	1.805	30.1	21.3	65 W	5*	58*
3 27	20 11.37	−33 40.1	1.867	1.777	31.7	21.2	69 W	4*	61*
4 6	20 41.83	−34 8.2	1.761	1.751	33.1	21.0	73 W	3*	64*
4 16	21 12.82	−34 25.8	1.659	1.727	34.4	20.9	76 W	1*	66*
4 26	21 44.08	−34 33.6	1.564	1.704	35.5	20.8	80 W	—	69*
5 6	22 15.38	−34 32.2	1.475	1.683	36.5	20.7	83 W	—	71*
5 16	22 46.39	−34 23.2	1.392	1.664	37.3	20.5	86 W	—	74*
5 26	23 16.71	−34 8.6	1.317	1.648	37.9	20.4	89 W	—	76*
5 31	23 31.51	−33 59.9	1.281	1.640	38.2	20.3	90 W	—	78*
6 5	23 45.99	−33 50.7	1.247	1.634	38.4	20.3	92 W	—	79*
6 10	0 0.10	−33 41.5	1.214	1.628	38.5	20.2	93 W	—	80*
6 15	0 13.77	−33 32.6	1.183	1.622	38.6	20.2	95 W	1*	81*
6 20	0 26.95	−33 24.5	1.153	1.618	38.6	20.1	96 W	2*	82*
6 25	0 39.60	−33 17.3	1.124	1.614	38.6	20.0	98 W	3*	83*
6 30	0 51.65	−33 11.6	1.096	1.611	38.5	20.0	99 W	4*	83
7 5	1 3.04	−33 7.6	1.069	1.608	38.4	19.9	101 W	5*	83
7 10	1 13.70	−33 5.7	1.043	1.607	38.2	19.9	103 W	6*	83
7 15	1 23.56	−33 6.2	1.018	1.606	37.8	19.8	104 W	7*	83
7 20	1 32.55	−33 9.0	0.993	1.606	37.5	19.7	106 W	8*	83
7 25	1 40.60	−33 14.2	0.969	1.606	37.0	19.7	108 W	9*	83
7 30	1 47.64	−33 21.8	0.946	1.608	36.4	19.6	110 W	10*	83
8 4	1 53.58	−33 31.7	0.923	1.610	35.7	19.5	112 W	11*	82
8 9	1 58.32	−33 43.4	0.901	1.612	34.9	19.5	115 W	11*	82
8 14	2 1.76	−33 56.2	0.880	1.616	33.9	19.4	117 W	11*	82
8 19	2 3.83	−34 9.2	0.860	1.620	32.9	19.3	120 W	11	82
8 24	2 4.45	−34 21.1	0.842	1.625	31.7	19.2	122 W	11	82
8 29	2 3.56	−34 30.6	0.824	1.631	30.4	19.2	125 W	10	81
9 3	2 1.12	−34 35.9	0.809	1.637	29.0	19.1	128 W	10	81
9 8	1 57.15	−34 34.7	0.796	1.644	27.5	19.0	131 W	10	81
9 13	1 51.71	−34 24.6	0.785	1.652	25.9	18.9	134 W	11	82
9 18	1 44.98	−34 3.1	0.778	1.660	24.4	18.9	137 W	11	82
9 23	1 37.20	−33 28.2	0.774	1.669	23.0	18.8	139 W	12	83
9 28	1 28.67	−32 38.4	0.774	1.679	21.8	18.8	142 W	12	83
10 3	1 19.75	−31 32.9	0.778	1.689	20.8	18.8	143 W	13	84
10 8	1 10.82	−30 11.6	0.787	1.699	20.3	18.8	144 W	15	86
10 13	1 2.26	−28 35.5	0.801	1.710	20.2	18.9	144 E	16	87
10 18	0 54.40	−26 46.7	0.820	1.722	20.6	19.0	143 E	18	89
10 23	0 47.47	−24 47.7	0.844	1.734	21.2	19.1	141 E	20	89
10 28	0 41.62	−22 41.5	0.874	1.746	22.2	19.2	138 E	22	87
11 2	0 36.94	−20 30.6	0.908	1.759	23.3	19.3	135 E	24	85
11 7	0 33.46	−18 17.5	0.947	1.772	24.5	19.5	132 E	27	82
11 12	0 31.14	−16 4.2	0.990	1.785	25.6	19.6	129 E	29	80
11 17	0 29.95	−13 52.2	1.038	1.799	26.7	19.8	125 E	31	78
11 22	0 29.78	−11 42.9	1.090	1.813	27.7	19.9	121 E	33	76
12 2	0 32.17	− 7 34.5	1.203	1.842	29.2	20.2	114 E	37	72
12 12	0 37.69	− 3 41.7	1.327	1.872	30.2	20.5	107 E	41	68
12 22	0 45.72	− 0 4.4	1.460	1.902	30.6	20.7	100 E	45	63*
1 1	0 55.76	+ 3 18.2	1.599	1.933	30.5	21.0	94 E	48	57*
1 11	1 7.46	+ 6 28.0	1.742	1.964	30.0	21.2	88 E	51	50*
1 21	1 20.53	+ 9 26.2	1.888	1.996	29.2	21.4	82 E	54*	44*
217756 2000 QW_8									
2 25	18 45.89	−19 25.2	1.959	1.620	30.3	21.4	56 W	19*	48*
3 7	19 15.80	−18 29.9	1.867	1.591	32.1	21.3	58 W	19*	52*
3 17	19 45.73	−17 13.7	1.778	1.564	33.9	21.2	61 W	19*	54*
3 27	20 15.50	−15 38.0	1.694	1.540	35.5	21.1	64 W	20*	57*

217756 2000 QW_8 *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
4 6	20 44.97	−13 44.6	1.614	1.518	37.1	21.0	66 W	20*	59*
4 16	21 14.01	−11 36.1	1.539	1.500	38.5	21.0	69 W	21*	61*
4 26	21 42.49	− 9 15.9	1.468	1.485	39.8	20.9	71 W	22*	63*
5 6	22 10.36	− 6 47.6	1.402	1.474	41.0	20.8	73 W	24*	64*
5 16	22 37.51	− 4 15.0	1.340	1.467	41.9	20.7	76 W	26*	64*
5 26	23 3.85	− 1 42.6	1.281	1.463	42.7	20.6	78 W	28*	64*
6 5	23 29.32	+ 0 45.9	1.226	1.464	43.2	20.5	81 W	31*	63*
6 15	23 53.76	+ 3 6.2	1.172	1.469	43.4	20.5	84 W	35*	61*
6 25	0 17.00	+ 5 14.6	1.120	1.478	43.4	20.4	87 W	39*	59
7 5	0 38.82	+ 7 7.8	1.069	1.491	43.0	20.3	91 W	43*	57
7 15	0 58.90	+ 8 42.7	1.019	1.507	42.2	20.2	96 W	48*	55
7 25	1 16.83	+ 9 56.4	0.969	1.526	40.9	20.1	101 W	52*	54
8 4	1 32.17	+10 46.5	0.920	1.549	39.0	19.9	106 W	55*	53
8 14	1 44.32	+11 10.7	0.873	1.574	36.3	19.8	113 W	56	53
8 24	1 52.69	+11 7.1	0.830	1.602	32.9	19.6	121 W	56	53
9 3	1 56.80	+10 34.8	0.793	1.632	28.5	19.4	130 W	56	53
9 13	1 56.31	+ 9 34.0	0.764	1.664	23.0	19.2	140 W	55	54
9 18	1 54.39	+ 8 54.1	0.754	1.680	20.0	19.1	145 W	54	55
9 23	1 51.48	+ 8 9.1	0.748	1.697	16.7	19.0	151 W	53	56
9 28	1 47.71	+ 7 20.1	0.747	1.714	13.3	18.9	157 W	52	57
10 3	1 43.26	+ 6 28.7	0.750	1.731	9.7	18.8	163 W	51	58
10 8	1 38.35	+ 5 36.7	0.758	1.749	6.3	18.7	169 W	51	58
10 13	1 33.26	+ 4 46.2	0.771	1.767	3.4	18.6	174 W	50	59
10 18	1 28.23	+ 3 59.0	0.790	1.785	3.1	18.7	174 E	49	60
10 23	1 23.51	+ 3 16.8	0.815	1.803	5.7	18.9	170 E	48	61
10 28	1 19.28	+ 2 40.7	0.845	1.821	8.7	19.1	164 E	48	61
11 2	1 15.71	+ 2 11.7	0.881	1.839	11.6	19.4	158 E	47	62
11 12	1 10.94	+ 1 36.2	0.966	1.876	16.7	19.8	147 E	47	62
11 22	1 9.61	+ 1 30.2	1.070	1.913	20.7	20.2	137 E	47	62
12 2	1 11.55	+ 1 49.6	1.187	1.949	23.7	20.5	127 E	47	62
12 12	1 16.42	+ 2 29.8	1.317	1.986	25.8	20.9	119 E	47	62
12 22	1 23.76	+ 3 26.0	1.455	2.022	27.1	21.2	111 E	48	61
1 1	1 33.12	+ 4 33.7	1.601	2.058	27.8	21.4	103 E	50	59*

334736 2003 OJ_{20}

2 25	18 54.65	−37 6.9	2.887	2.479	19.4	21.5	56 W	2*	49*
3 7	19 15.79	−36 55.4	2.736	2.430	21.1	21.3	62 W	2*	54*
3 17	19 36.67	−36 36.6	2.581	2.381	22.7	21.2	67 W	3*	59*
3 27	19 57.14	−36 11.2	2.423	2.331	24.1	21.1	73 W	3*	63*
4 6	20 17.08	−35 39.7	2.263	2.280	25.4	20.9	78 W	4*	68*
4 16	20 36.35	−35 3.1	2.104	2.230	26.6	20.8	84 W	4*	73*
4 26	20 54.79	−34 22.3	1.946	2.179	27.5	20.6	89 W	5*	78*
5 6	21 12.23	−33 38.3	1.790	2.129	28.2	20.4	95 W	6*	82*
5 16	21 28.44	−32 52.0	1.639	2.079	28.6	20.1	101 W	8*	83
5 26	21 43.17	−32 4.3	1.492	2.029	28.6	19.9	107 W	9*	84
6 5	21 56.10	−31 15.8	1.351	1.980	28.2	19.6	113 W	11*	85
6 15	22 6.79	−30 26.7	1.218	1.932	27.2	19.3	119 W	13*	86
6 20	22 11.14	−30 1.8	1.155	1.908	26.6	19.1	123 W	14*	86
6 25	22 14.73	−29 36.2	1.094	1.885	25.7	18.9	127 W	15*	86
6 30	22 17.50	−29 9.8	1.035	1.862	24.6	18.8	130 W	16*	87
7 5	22 19.35	−28 42.0	0.980	1.839	23.3	18.6	134 W	16	87
7 10	22 20.20	−28 12.3	0.927	1.817	21.8	18.4	138 W	17	88
7 15	22 19.98	−27 39.9	0.878	1.795	20.1	18.2	143 W	17	88
7 20	22 18.64	−27 3.7	0.833	1.774	18.1	18.0	147 W	18	89
7 25	22 16.16	−26 22.5	0.791	1.754	15.9	17.8	152 W	19	90
7 30	22 12.55	−25 35.2	0.754	1.734	13.4	17.6	157 W	19	90
8 4	22 7.87	−24 40.5	0.721	1.715	10.7	17.3	162 W	20	89
8 9	22 2.24	−23 37.3	0.694	1.696	8.0	17.1	167 W	21	88
8 14	21 55.88	−22 24.9	0.671	1.678	5.7	16.9	171 W	23	86
8 19	21 49.07	−21 2.8	0.654	1.661	5.0	16.8	172 E	24	85
8 24	21 42.13	−19 31.6	0.642	1.645	6.7	16.8	169 E	25	84
8 29	21 35.38	−17 52.5	0.635	1.630	9.6	16.9	164 E	27	82
9 3	21 29.14	−16 7.3	0.634	1.616	12.9	17.0	159 E	29	80
9 8	21 23.71	−14 18.0	0.637	1.603	16.3	17.1	154 E	31	78
9 13	21 19.34	−12 26.8	0.646	1.591	19.5	17.2	148 E	33	76
9 18	21 16.17	−10 35.5	0.658	1.581	22.6	17.4	143 E	34	75
9 23	21 14.28	− 8 45.7	0.675	1.571	25.3	17.5	138 E	36	73
9 28	21 13.69	− 6 58.7	0.695	1.562	27.8	17.6	133 E	38	71
10 3	21 14.37	− 5 15.1	0.718	1.555	30.0	17.7	129 E	40	69
10 13	21 19.40	− 1 58.9	0.771	1.545	33.6	18.0	121 E	43	66
10 23	21 28.75	+ 1 4.0	0.833	1.540	36.0	18.2	114 E	46	63
11 2	21 41.68	+ 3 55.8	0.902	1.540	37.6	18.4	109 E	49	60
11 12	21 57.59	+ 6 39.6	0.976	1.546	38.5	18.6	104 E	52	57*
11 22	22 15.90	+ 9 17.7	1.055	1.557	38.8	18.8	99 E	54	53*
12 2	22 36.14	+11 51.3	1.138	1.573	38.6	19.0	95 E	57	48*
12 12	22 57.98	+14 21.0	1.227	1.594	38.1	19.2	92 E	59	43*
12 22	23 21.09	+16 46.9	1.321	1.620	37.4	19.4	88 E	62	38*
1 1	23 45.22	+19 7.7	1.420	1.650	36.4	19.5	85 E	64	34*
1 11	0 10.20	+21 22.7	1.524	1.683	35.3	19.7	81 E	66*	30*
1 21	0 35.84	+23 30.4	1.634	1.719	34.0	19.9	78 E	66*	26*

281070 2006 OY_{10}

2 25	19 5.71	−17 56.1	1.445	1.122	43.1	21.4	51 W	18*	43*
3 7	19 51.53	−12 14.6	1.356	1.035	46.7	21.2	49 W	21*	41*
3 17	20 39.80	− 5 23.6	1.299	0.952	49.6	21.0	47 W	23*	37*
3 27	21 30.30	+ 2 6.9	1.281	0.878	51.0	20.8	43 W	24*	32*
4 6	22 22.79	+ 9 29.3	1.304	0.819	50.1	20.7	39 W	24*	26*
4 16	23 16.69	+15 54.6	1.363	0.780	46.7	20.6	34 W	22*	21*
4 26	0 10.94	+20 49.1	1.449	0.769	41.1	20.5	30 W	20*	16*
5 6	1 4.06	+24 2.8	1.549	0.785	34.7	20.6	26 W	17*	12*
5 16	1 54.50	+25 45.5	1.654	0.827	28.8	20.6	23 W	14*	10*
5 26	2 41.14	+26 15.5	1.756	0.890	24.3	20.8	21 W	11*	9*
6 5	3 23.56	+25 51.9	1.850	0.965	21.4	21.0	20 W	10*	10*
6 15	4 1.82	+24 50.4	1.934	1.049	20.2	21.2	21 W	9*	11*
6 25	4 36.25	+23 21.9	2.007	1.137	20.1	21.5	23 W	8*	13*

162181 1999 LF_6

2 25	19 15.35	−11 52.6	1.753	1.323	34.0	21.4	48 W	23*	39*
3 7	19 50.26	− 9 17.2	1.677	1.280	36.2	21.3	50 W	23*	40*
3 17	20 25.94	− 6 14.9	1.610	1.238	38.2	21.2	50 W	24*	41*
3 27	21 2.35	− 2 49.9	1.553	1.197	40.0	21.1	50 W	24*	41*
4 6	21 39.57	+ 0 51.4	1.508	1.158	41.6	21.0	50 W	25*	40*
4 16	22 17.65	+ 4 40.8	1.474	1.121	42.9	21.0	49 W	25*	39*
4 26	22 56.63	+ 8 28.7	1.451	1.088	43.8	20.9	49 W	24*	37*
5 6	23 36.57	+12 4.9	1.440	1.060	44.5	20.8	47 W	24*	36*
5 16	0 17.45	+15 20.0	1.437	1.038	44.7	20.8	46 W	24*	34*
5 26	0 59.12	+18 5.3	1.443	1.023	44.6	20.8	45 W	23*	32*
6 5	1 41.35	+20 14.6	1.455	1.015	44.2	20.7	44 W	23*	31*
6 15	2 23.74	+21 43.9	1.471	1.015	43.6	20.8	44 W	23*	30*
6 25	3 5.80	+22 31.3	1.489	1.024	42.9	20.8	43 W	23*	29*
7 5	3 47.03	+22 37.9	1.508	1.039	42.2	20.8	43 W	24*	29*
7 15	4 26.91	+22 6.0	1.526	1.062	41.6	20.9	44 W	25*	29*
7 25	5 5.05	+20 59.6	1.543	1.091	41.0	20.9	45 W	26*	30*
8 4	5 41.19	+19 23.5	1.556	1.124	40.6	21.0	46 W	28*	31*
8 14	6 15.16	+17 22.7	1.566	1.161	40.3	21.1	48 W	30*	32*
8 24	6 46.93	+15 1.8	1.571	1.200	40.0	21.2	50 W	32*	33*
9 3	7 16.53	+12 25.4	1.572	1.241	39.9	21.2	52 W	34*	35*
9 13	7 44.05	+ 9 37.1	1.566	1.284	39.8	21.3	55 W	36*	37*
9 23	8 9.57	+ 6 40.2	1.554	1.326	39.8	21.3	58 W	38*	40*
10 3	8 33.19	+ 3 37.5	1.535	1.368	39.8	21.4	61 W	39*	43*
10 13	8 54.96	+ 0 31.3	1.510	1.409	39.8	21.4	65 W	40*	46*
10 23	9 14.91	− 2 36.5	1.477	1.449	39.7	21.4	69 W	40*	50*
11 2	9 33.03	− 5 44.0	1.437	1.488	39.6	21.4	73 W	38*	55*
11 12	9 49.22	− 8 49.6	1.390	1.525	39.4	21.4	78 W	36*	60*
11 22	10 3.30	−11 51.2	1.337	1.560	38.9	21.3	83 W	33	66*
12 2	10 15.05	−14 46.8	1.278	1.592	38.2	21.3	88 W	30	72*
12 12	10 24.07	−17 33.3	1.215	1.623	37.2	21.2	95 W	27	80*
12 22	10 29.90	−20 6.3	1.150	1.652	35.7	21.1	101 W	25	84
1 1	10 32.00	−22 19.9	1.084	1.678	33.8	20.9	108 W	23	86
1 11	10 29.78	−24 4.8	1.020	1.702	31.2	20.7	116 W	21	88
1 21	10 22.98	−25 9.0	0.962	1.723	28.0	20.5	125 W	20	89

263976 2009 KD_5

2 25	19 36.47	−17 23.3	1.732	1.221	33.9	21.4	43 W	15*	36*
3 7	20 12.61	−16 42.2	1.667	1.190	36.0	21.4	45 W	14*	38*
3 17	20 49.99	−15 35.6	1.603	1.155	38.1	21.3	46 W	13*	39*
3 27	21 28.70	−14 2.3	1.543	1.117	40.2	21.2	46 W	11*	40*
4 6	22 8.84	−12 1.3	1.489	1.076	42.2	21.1	46 W	10*	40*
4 16	22 50.45	− 9 32.5	1.443	1.032	44.0	21.0	46 W	9*	40*
4 26	23 33.53	− 6 37.0	1.408	0.987	45.6	20.9	44 W	7*	38*
5 6	0 18.06	− 3 18.3	1.386	0.941	46.7	20.7	43 W	6*	37*
5 16	1 3.94	+ 0 18.1	1.378	0.897	47.2	20.6	41 W	5*	35*
5 26	1 51.03	+ 4 3.6	1.385	0.856	46.7	20.5	38 W	4*	32*
6 5	2 39.20	+ 7 47.8	1.408	0.821	45.3	20.4	35 W	4*	29*
6 10	3 3.65	+ 9 35.8	1.424	0.806	44.1	20.4	34 W	4*	27*
6 15	3 28.29	+11 19.0	1.444	0.794	42.7	20.4	32 W	4*	26*
6 20	3 53.11	+12 56.0	1.466	0.784	41.1	20.3	30 W	5*	24*
6 25	4 18.05	+14 25.2	1.491	0.777	39.3	20.3	29 W	5*	22*
6 30	4 43.09	+15 45.5	1.517	0.773	37.3	20.3	27 W	6*	20*
7 5	5 8.17	+16 55.7	1.545	0.773	35.2	20.2	26 W	6*	19*
7 15	5 58.13	+18 41.9	1.603	0.782	31.0	20.2	23 W	7*	15*
7 25	6 47.26	+19 39.1	1.661	0.802	27.1	20.2	21 W	8*	12*
8 4	7 34.89	+19 47.3	1.718	0.832	23.9	20.3	19 W	9*	10*
8 9	7 57.97	+19 34.0	1.746	0.851	22.5	20.3	19 W	9*	8*
8 14	8 20.47	+19 10.1	1.772	0.870	21.4	20.4	18 W	9*	7*
8 19	8 42.36	+18 36.5	1.798	0.891	20.4	20.4	18 W	10*	6*
8 24	9 3.62	+17 54.3	1.823	0.913	19.7	20.5	18 W	10*	6*
8 29	9 24.24	+17 4.4	1.846	0.935	19.1	20.6	18 W	11*	5*
9 3	9 44.25	+16 7.7	1.868	0.957	18.7	20.6	18 W	11*	4*
9 8	10 3.65	+15 5.4	1.889	0.980	18.4	20.7	18 W	11*	4*
9 13	10 22.46	+13 58.2	1.909	1.003	18.2	20.8	18 W	12*	3*
9 18	10 40.72	+12 47.2	1.927	1.025	18.2	20.8	19 W	12*	3*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	263976 2009 KD_5				*(continuation)*				
	h m	° ′			°	m	°	°	°
9 23	10 58.46	+11 33.0	1.943	1.048	18.2	20.9	19 W	13*	3*
9 28	11 15.74	+10 16.4	1.959	1.069	18.3	21.0	20 W	14*	2*
10 3	11 32.59	+ 8 58.1	1.972	1.090	18.5	21.0	20 W	14*	2*
10 8	11 49.05	+ 7 38.6	1.984	1.111	18.8	21.1	21 W	15*	3*
10 13	12 5.15	+ 6 18.5	1.994	1.131	19.1	21.1	22 W	16*	3*
10 18	12 20.95	+ 4 58.4	2.003	1.149	19.5	21.2	23 W	17*	3*
10 23	12 36.47	+ 3 38.5	2.010	1.168	19.9	21.2	24 W	17*	4*
10 28	12 51.76	+ 2 19.4	2.015	1.185	20.4	21.3	25 W	18*	4*
11 2	13 6.85	+ 1 1.3	2.018	1.201	20.9	21.3	26 W	19*	5*
11 7	13 21.78	− 0 15.5	2.019	1.216	21.4	21.4	27 W	20*	6*
11 12	13 36.56	− 1 30.4	2.018	1.231	21.9	21.4	28 W	21*	7*
11 17	13 51.23	− 2 43.5	2.015	1.244	22.5	21.5	29 W	22*	8*
	416678 2004 XT_5								
2 25	19 40.99	− 8 6.3	2.972	2.337	16.6	21.5	42 W	22*	32*
3 7	19 58.59	− 6 10.1	2.855	2.305	18.5	21.4	48 W	25*	37*
3 17	20 15.87	− 4 0.8	2.733	2.272	20.4	21.4	53 W	27*	42*
3 27	20 32.78	− 1 38.4	2.607	2.238	22.1	21.3	58 W	30*	46*
4 6	20 49.28	+ 0 57.0	2.478	2.205	23.8	21.2	63 W	32*	50*
4 16	21 5.32	+ 3 45.3	2.348	2.171	25.3	21.1	67 W	35*	52*
4 26	21 20.85	+ 6 46.0	2.219	2.136	26.6	21.0	72 W	39*	53*
5 6	21 35.83	+ 9 58.6	2.090	2.102	27.8	20.9	77 W	42*	53*
5 16	21 50.17	+13 22.5	1.965	2.068	28.9	20.7	81 W	47*	51*
5 26	22 3.79	+16 56.4	1.843	2.033	29.8	20.6	86 W	52*	47
6 5	22 16.59	+20 38.9	1.726	1.999	30.5	20.4	90 W	57*	43
6 15	22 28.38	+24 27.8	1.614	1.965	31.0	20.2	94 W	64*	40
6 20	22 33.84	+26 23.7	1.560	1.949	31.2	20.1	96 W	67*	38
6 25	22 38.97	+28 20.1	1.508	1.932	31.4	20.1	98 W	71*	36
6 30	22 43.74	+30 16.4	1.457	1.916	31.5	20.0	100 W	74*	34
7 5	22 48.10	+32 12.1	1.408	1.900	31.6	19.9	102 W	77*	32
7 10	22 52.00	+34 6.5	1.360	1.884	31.6	19.8	104 W	79	30
7 15	22 55.39	+35 58.7	1.315	1.868	31.6	19.7	106 W	81	28
7 20	22 58.23	+37 47.9	1.271	1.852	31.5	19.6	108 W	83	26
7 25	23 0.46	+39 33.1	1.228	1.837	31.4	19.5	110 W	85	24
7 30	23 2.03	+41 13.4	1.188	1.822	31.3	19.4	111 W	86	23
8 4	23 2.89	+42 47.5	1.149	1.807	31.1	19.3	113 W	88	21
8 9	23 2.99	+44 13.8	1.111	1.793	30.8	19.2	115 W	89	20
8 14	23 2.32	+45 31.0	1.076	1.779	30.5	19.1	117 W	89	18
8 19	23 0.90	+46 37.4	1.042	1.766	30.2	19.0	119 W	88	17
8 24	22 58.77	+47 31.6	1.009	1.753	29.9	18.9	120 W	87	16
8 29	22 56.02	+48 11.9	0.979	1.740	29.5	18.8	122 W	87	16
9 3	22 52.79	+48 36.7	0.951	1.728	29.1	18.8	124 W	86	15
9 8	22 49.28	+48 44.4	0.924	1.716	28.6	18.7	125 E	86	15
9 13	22 45.73	+48 34.1	0.900	1.705	28.2	18.6	127 E	86	15
9 18	22 42.43	+48 5.1	0.878	1.695	27.7	18.5	128 E	87	16
9 23	22 39.64	+47 17.2	0.858	1.685	27.3	18.4	130 E	88	17
9 28	22 37.61	+46 10.8	0.841	1.676	27.0	18.4	131 E	89	18
10 3	22 36.53	+44 46.5	0.827	1.667	26.7	18.3	131 E	90	19
10 8	22 36.58	+43 5.8	0.816	1.660	26.6	18.3	132 E	88	21
10 13	22 37.86	+41 10.6	0.808	1.652	26.6	18.2	132 E	86	23
10 18	22 40.41	+39 3.6	0.804	1.646	26.8	18.2	132 E	84	25
10 23	22 44.19	+36 47.6	0.804	1.640	27.1	18.2	131 E	82	27
10 28	22 49.14	+34 25.4	0.808	1.635	27.7	18.2	130 E	79	30
11 2	22 55.18	+32 0.0	0.815	1.631	28.4	18.3	129 E	77	32
11 7	23 2.21	+29 34.5	0.828	1.628	29.2	18.3	127 E	75	34
11 12	23 10.12	+27 12.0	0.844	1.625	30.1	18.4	125 E	72	37
11 17	23 18.79	+24 55.0	0.864	1.623	31.0	18.5	122 E	70	39
11 22	23 28.11	+22 45.4	0.889	1.622	32.0	18.6	120 E	68	41
11 27	23 37.95	+20 44.7	0.917	1.622	32.9	18.6	117 E	66	43
12 2	23 48.24	+18 54.0	0.949	1.623	33.7	18.7	114 E	64	45
12 7	23 58.89	+17 14.1	0.984	1.624	34.5	18.8	111 E	62	47*
12 12	0 9.83	+15 45.1	1.023	1.626	35.1	18.9	108 E	61	48*
12 22	0 32.31	+13 19.1	1.108	1.633	36.0	19.2	103 E	58	49*
1 1	0 55.29	+11 32.3	1.203	1.643	36.4	19.4	97 E	57	49*
1 11	1 18.53	+10 19.0	1.306	1.656	36.4	19.6	92 E	55	48*
1 21	1 41.86	+ 9 32.9	1.414	1.672	36.0	19.7	86 E	55	47*
	162474 2000 LB_{16}								
2 25	19 41.77	−20 36.0	1.731	1.206	33.8	21.4	43 W	12*	36*
3 2	20 0.29	−21 46.6	1.676	1.177	35.5	21.3	44 W	10*	38*
3 7	20 20.08	−22 54.4	1.622	1.148	37.2	21.3	44 W	8*	38*
3 12	20 41.27	−23 57.7	1.570	1.119	39.0	21.2	45 W	6*	39*
3 17	21 3.99	−24 54.5	1.520	1.090	40.8	21.1	46 W	3*	39*
3 22	21 28.32	−25 41.9	1.474	1.060	42.5	21.0	46 W	1*	39*
3 27	21 54.30	−26 16.6	1.433	1.031	44.1	20.9	46 W	—	38*
4 1	22 21.85	−26 34.8	1.397	1.002	45.6	20.9	46 W	—	37*
4 6	22 50.78	−26 32.4	1.368	0.973	47.0	20.8	45 W	—	35*
4 11	23 20.74	−26 6.1	1.347	0.946	48.0	20.7	45 W	—	34*
4 16	23 51.27	−25 13.3	1.334	0.919	48.8	20.7	44 W	—	32*
4 21	0 21.81	−23 53.1	1.329	0.894	49.1	20.6	42 W	—	29*
4 26	0 51.84	−22 6.5	1.334	0.872	49.0	20.6	41 W	—	27*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	162474 2000 LB_{16}				*(continuation)*				
	h m	° ′			°	m	°	°	°
5 1	1 20.87	−19 55.9	1.348	0.851	48.3	20.5	39 W	—	25*
5 6	1 48.59	−17 25.2	1.369	0.833	47.1	20.5	37 W	—	23*
5 11	2 14.79	−14 39.2	1.398	0.819	45.5	20.4	35 W	—	21*
5 16	2 39.43	−11 42.4	1.433	0.808	43.3	20.4	33 W	—	19*
5 21	3 2.54	− 8 39.2	1.472	0.801	40.8	20.4	31 W	—	17*
5 26	3 24.26	− 5 33.1	1.515	0.797	38.0	20.3	29 W	—	16*
5 31	3 44.77	− 2 27.2	1.559	0.798	35.0	20.3	27 W	—	15*
6 5	4 4.26	+ 0 36.2	1.603	0.804	31.9	20.3	25 W	—	14*
6 10	4 22.92	+ 3 35.1	1.647	0.813	28.9	20.3	23 W	—	14*
6 15	4 40.92	+ 6 28.2	1.689	0.826	26.2	20.3	21 W	—	13*
6 20	4 58.43	+ 9 14.5	1.729	0.842	23.7	20.3	19 W	—	12*
6 25	5 15.58	+11 53.0	1.766	0.861	21.6	20.4	18 W	—	12*
7 5	5 49.35	+16 45.4	1.831	0.906	18.9	20.5	17 W	—	11*
7 15	6 23.01	+21 2.6	1.882	0.959	18.3	20.6	17 W	5*	9*
7 25	6 57.08	+24 43.9	1.919	1.016	19.1	20.8	19 W	10*	8*
8 4	7 31.87	+27 49.1	1.945	1.075	20.7	21.0	22 W	15*	6*
8 14	8 7.50	+30 18.5	1.961	1.134	22.6	21.2	25 W	19*	4*
8 24	8 43.90	+32 12.9	1.969	1.192	24.4	21.4	29 W	23*	2*
	415761 2000 SF_{23}								
2 25	20 57.97	−26 4.4	2.283	1.484	18.2	21.5	28 W	—	21*
3 7	21 31.64	−23 32.4	2.232	1.457	19.8	21.5	30 W	—	23*
3 17	22 4.41	−20 35.6	2.187	1.435	21.2	21.4	31 W	—	25*
3 27	22 36.17	−17 18.3	2.147	1.418	22.5	21.4	33 W	—	26*
4 6	23 6.87	−13 45.2	2.113	1.406	23.7	21.4	34 W	—	28*
4 16	23 36.56	−10 1.4	2.083	1.400	24.8	21.4	36 W	—	30*
4 26	0 5.30	− 6 11.9	2.058	1.399	25.9	21.4	37 W	2*	31*
5 6	0 33.20	− 2 21.4	2.037	1.405	26.9	21.4	39 W	4*	33*
5 16	1 0.38	+ 1 26.1	2.017	1.416	27.8	21.4	41 W	6*	35*
5 26	1 26.92	+ 5 6.7	2.000	1.433	28.7	21.4	43 W	9*	36*
6 5	1 52.90	+ 8 37.8	1.982	1.455	29.6	21.5	45 W	13*	37*
	531060 2012 DJ_{61}								
2 25	21 17.31	−45 24.7	0.817	0.634	85.0	21.5	40 W	—	23*
2 27	21 36.48	−43 48.3	0.846	0.613	83.9	21.4	38 W	—	21*
3 1	21 53.73	−41 59.6	0.876	0.592	82.4	21.4	36 W	—	19*
3 3	22 9.18	−40 0.9	0.909	0.571	80.6	21.3	35 W	—	17*
3 5	22 23.00	−37 54.1	0.944	0.551	78.3	21.2	33 W	—	16*
3 7	22 35.38	−35 40.7	0.980	0.532	75.7	21.1	31 W	—	14*
3 9	22 46.50	−33 21.6	1.017	0.514	72.6	21.0	30 W	—	13*
3 11	22 56.54	−30 57.7	1.055	0.498	69.2	20.9	28 W	—	12*
3 13	23 5.65	−28 29.5	1.093	0.483	65.3	20.8	26 W	—	11*
3 15	23 13.98	−25 57.4	1.132	0.470	61.2	20.7	24 W	—	10*
3 17	23 21.67	−23 21.9	1.170	0.460	56.7	20.6	23 W	—	9*
3 19	23 28.84	−20 43.4	1.208	0.452	52.0	20.5	21 W	—	8*
3 21	23 35.59	−18 2.4	1.244	0.447	47.2	20.4	19 W	—	8*
3 23	23 42.01	−15 19.6	1.279	0.445	42.3	20.3	17 W	—	7*
3 25	23 48.20	−12 35.8	1.312	0.446	37.6	20.3	16 W	—	6*
3 27	23 54.21	− 9 51.7	1.344	0.450	33.1	20.2	14 W	—	6*
3 29	0 0.11	− 7 8.3	1.373	0.457	29.0	20.2	13 W	—	5*
3 31	0 5.95	− 4 26.1	1.400	0.467	25.4	20.1	12 W	—	5*
4 2	0 11.77	− 1 46.0	1.425	0.479	22.5	20.1	11 W	—	4*
4 4	0 17.59	+ 0 51.5	1.448	0.493	20.2	20.2	10 W	—	4*
4 6	0 23.46	+ 3 25.9	1.469	0.509	18.8	20.2	9 W	—	3*
4 11	0 38.41	+ 9 36.5	1.515	0.555	17.9	20.5	10 W	2*	2*
4 16	0 53.98	+15 23.1	1.554	0.606	19.5	20.8	12 W	5*	1*
4 21	1 10.37	+20 44.8	1.589	0.659	21.5	21.0	14 W	8*	—
4 26	1 27.75	+25 41.4	1.620	0.713	23.4	21.3	16 W	10*	—
	488803 2005 GB_{120}								
2 25	22 11.19	−10 1.5	1.611	0.632	8.3	21.1	5 W	—	—
3 7	23 9.51	− 5 43.2	1.547	0.554	0.6	20.3	0 W	—	—
3 17	0 12.08	− 0 35.4	1.473	0.497	13.0	20.6	6 E	—	—
3 27	1 17.87	+ 5 2.5	1.383	0.479	30.1	20.9	14 E	5*	5*
4 6	2 24.82	+10 37.7	1.285	0.510	46.1	21.3	22 E	12*	11*
	210718 2000 ST_{252}								
2 25	22 49.69	−13 45.2	4.521	3.539	1.7	21.4	6 E	—	—
3 7	23 2.18	−12 29.1	4.484	3.502	2.1	21.4	7 W	—	—
3 17	23 14.76	−11 12.1	4.430	3.466	3.6	21.5	13 W	—	5*
3 27	23 27.36	− 9 54.8	4.360	3.429	5.3	21.5	19 W	—	12*
4 6	23 39.95	− 8 37.6	4.274	3.392	7.1	21.5	25 W	—	18*
	162635 2000 SS_{164}								
2 25	23 9.90	− 7 4.6	3.411	2.441	3.9	21.4	10 E	2*	1*
3 7	23 26.87	− 5 29.9	3.371	2.382	1.8	21.1	4 E	—	—
3 17	23 44.39	− 3 50.5	3.316	2.323	1.0	21.0	2 W	—	—
3 27	0 2.46	− 2 7.2	3.250	2.262	3.0	21.0	7 W	—	1*
4 6	0 21.14	− 0 20.8	3.171	2.201	5.3	21.1	12 W	—	6*
4 16	0 40.51	+ 1 28.1	3.083	2.138	7.6	21.0	16 W	—	10*

162635 2000 SS_{164} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
4 26	1 0.62	+ 3 18.6	2.986	2.075	9.8	21.0	21 W	—	15*
5 6	1 21.60	+ 5 9.6	2.882	2.012	12.1	20.9	25 W	1*	19*
5 16	1 43.55	+ 7 0.0	2.773	1.947	14.4	20.9	29 W	3*	23*
5 26	2 6.60	+ 8 48.4	2.659	1.883	16.7	20.8	32 W	5*	26*
6 5	2 30.90	+10 33.1	2.544	1.819	19.0	20.7	36 W	8*	29*
6 15	2 56.59	+12 12.2	2.428	1.755	21.2	20.6	39 W	11*	31*
6 25	3 23.82	+13 43.0	2.313	1.692	23.5	20.5	41 W	14*	33*
7 5	3 52.70	+15 2.9	2.202	1.630	25.6	20.3	44 W	18*	34*
7 15	4 23.33	+16 8.5	2.096	1.570	27.7	20.2	46 W	22*	34*
7 20	4 39.30	+16 34.8	2.045	1.540	28.8	20.2	47 W	24*	34*
7 25	4 55.71	+16 56.1	1.996	1.512	29.8	20.1	48 W	25*	34*
7 30	5 12.53	+17 12.1	1.949	1.484	30.8	20.0	48 W	27*	34*
8 4	5 29.76	+17 22.2	1.904	1.457	31.7	20.0	49 W	29*	34*
8 9	5 47.35	+17 26.1	1.862	1.432	32.7	19.9	50 W	30*	34*
8 14	6 5.28	+17 23.3	1.822	1.407	33.6	19.8	50 W	32*	33*
8 24	6 41.95	+16 57.0	1.750	1.362	35.2	19.7	51 W	34*	33*
9 3	7 19.37	+16 2.3	1.689	1.323	36.7	19.6	52 W	36*	32*
9 13	7 57.04	+14 39.9	1.639	1.291	37.9	19.6	52 W	38*	32*
9 23	8 34.46	+12 52.8	1.599	1.268	38.9	19.5	52 W	39*	31*
10 3	9 11.23	+10 45.4	1.569	1.253	39.6	19.4	53 W	39*	31*
10 13	9 46.97	+ 8 23.5	1.547	1.248	40.1	19.4	54 W	40*	31*
10 18	10 4.36	+ 7 9.3	1.539	1.249	40.2	19.4	54 W	40*	31*
10 23	10 21.41	+ 5 53.8	1.532	1.253	40.3	19.4	55 W	40*	32*
10 28	10 38.10	+ 4 37.9	1.526	1.259	40.4	19.4	55 W	41*	32*
11 2	10 54.42	+ 3 22.3	1.520	1.267	40.4	19.4	56 W	41*	33*
11 12	11 25.85	+ 0 54.9	1.511	1.291	40.4	19.4	58 W	41*	34*
11 22	11 55.62	− 1 23.6	1.501	1.323	40.3	19.5	60 W	40*	37*
12 2	12 23.69	− 3 29.2	1.490	1.361	40.1	19.5	63 W	40*	40*
12 12	12 49.94	− 5 18.9	1.475	1.407	39.9	19.6	66 W	39*	44*
12 22	13 14.26	− 6 50.4	1.456	1.457	39.5	19.6	70 W	38*	49*
1 1	13 36.51	− 8 2.4	1.431	1.511	38.9	19.6	75 W	37	54*
1 11	13 56.44	− 8 53.5	1.401	1.569	38.1	19.6	80 W	36	60*
1 21	14 13.80	− 9 23.2	1.365	1.629	37.1	19.6	86 W	36	66*

409263 2004 PN_{87}

2 25	23 21.38	− 5 11.8	2.582	1.632	7.7	21.5	13 E	5*	3*
3 7	23 46.90	− 2 8.0	2.604	1.635	5.9	21.4	10 E	3*	1*
3 17	0 12.25	+ 0 56.1	2.625	1.642	4.2	21.3	7 E	—	—
3 27	0 37.47	+ 3 57.9	2.645	1.651	2.4	21.3	4 E	—	—
4 6	1 2.64	+ 6 55.0	2.663	1.662	0.6	21.1	1 E	—	—
4 16	1 27.83	+ 9 45.4	2.679	1.677	1.2	21.2	2 W	—	—
4 26	1 53.07	+12 26.7	2.693	1.693	3.0	21.4	5 W	—	—

326364 2000 VC_2

2 25	23 26.40	−20 6.7	3.646	2.715	6.1	21.5	17 E	—	11*
3 7	23 41.90	−18 10.9	3.634	2.688	5.5	21.4	15 E	—	7*
3 17	23 57.49	−16 15.0	3.608	2.659	5.6	21.4	15 E	—	3*
3 27	0 13.15	−14 19.7	3.568	2.630	6.4	21.4	17 W	—	4*
4 6	0 28.86	−12 25.4	3.516	2.600	7.7	21.4	20 W	—	9*
4 16	0 44.62	−10 32.5	3.451	2.569	9.2	21.4	24 W	—	14*
4 26	1 0.43	− 8 41.7	3.374	2.537	10.9	21.3	29 W	—	20*
5 6	1 16.28	− 6 53.4	3.287	2.504	12.7	21.3	33 W	—	26*
5 16	1 32.18	− 5 8.1	3.189	2.471	14.6	21.3	38 W	—	31*
5 26	1 48.09	− 3 26.2	3.081	2.436	16.4	21.3	43 W	—	37*
6 5	2 4.02	− 1 48.0	2.966	2.401	18.2	21.2	48 W	4*	42*
6 15	2 19.94	− 0 14.1	2.842	2.365	19.9	21.1	52 W	8*	46*
6 25	2 35.81	+ 1 15.4	2.712	2.328	21.6	21.1	57 W	14*	50*
7 5	2 51.59	+ 2 40.3	2.576	2.291	23.2	21.0	62 W	20*	53*
7 15	3 7.22	+ 4 0.5	2.435	2.253	24.6	20.8	68 W	26*	55*
7 25	3 22.61	+ 5 16.3	2.291	2.214	26.0	20.7	73 W	33*	56*
8 4	3 37.65	+ 6 28.0	2.143	2.175	27.2	20.6	78 W	39*	56*
8 14	3 52.20	+ 7 36.4	1.994	2.136	28.1	20.4	84 W	45*	56*
8 24	4 6.07	+ 8 42.6	1.844	2.097	28.8	20.2	90 W	50*	55
9 3	4 19.05	+ 9 48.4	1.695	2.057	29.2	20.0	96 W	54*	54
9 13	4 30.79	+10 56.2	1.549	2.017	29.2	19.8	102 W	56	53
9 23	4 40.93	+12 9.5	1.406	1.978	28.6	19.5	109 W	57	52
10 3	4 48.97	+13 32.7	1.269	1.939	27.4	19.2	117 W	59	50
10 8	4 52.01	+14 19.7	1.204	1.919	26.5	19.0	121 W	59	50
10 13	4 54.28	+15 11.3	1.141	1.900	25.4	18.8	125 W	60	49
10 18	4 55.69	+16 8.4	1.081	1.881	24.0	18.7	130 W	61	48
10 23	4 56.14	+17 11.8	1.024	1.862	22.4	18.5	135 W	62	47
10 28	4 55.53	+18 22.1	0.970	1.843	20.4	18.3	140 W	63	46
11 2	4 53.76	+19 39.8	0.921	1.825	18.2	18.1	145 W	65	44
11 12	4 46.43	+22 37.6	0.837	1.789	12.8	17.6	156 W	68	41
11 22	4 34.09	+26 0.4	0.776	1.754	6.6	17.2	168 W	71	38
12 2	4 17.64	+29 33.2	0.739	1.721	4.8	16.9	172 E	75	34

326364 2000 VC_2 *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 7	4 8.55	+31 16.8	0.731	1.705	7.7	17.0	167 E	76	33
12 12	3 59.44	+32 55.2	0.729	1.690	11.2	17.1	160 E	78	31
12 17	3 50.73	+34 27.0	0.734	1.675	14.8	17.3	154 E	79	30
12 22	3 42.84	+35 51.1	0.743	1.661	18.3	17.4	148 E	81	28
12 27	3 36.12	+37 7.5	0.758	1.647	21.6	17.5	142 E	82	27
1 1	3 30.84	+38 16.8	0.776	1.635	24.6	17.7	136 E	83	26
1 6	3 27.21	+39 20.1	0.798	1.622	27.3	17.8	131 E	84	25
1 11	3 25.34	+40 18.6	0.823	1.611	29.6	17.9	126 E	85	24
1 16	3 25.25	+41 13.3	0.851	1.601	31.7	18.0	121 E	86	23
1 21	3 26.92	+42 4.9	0.880	1.591	33.4	18.1	117 E	87	22

108906 2001 PL_9

2 25	23 32.19	− 5 18.8	2.526	1.594	9.5	21.4	15 E	7*	6*
3 7	23 55.97	− 3 40.8	2.525	1.566	7.4	21.3	12 E	3*	4*
3 17	0 20.23	− 1 58.7	2.512	1.535	5.5	21.2	8 E	—	2*
3 27	0 45.09	− 0 14.0	2.488	1.499	4.1	21.0	6 E	—	—
4 6	1 10.72	+ 1 31.9	2.453	1.460	3.8	20.9	6 E	—	—
4 16	1 37.34	+ 3 17.8	2.410	1.418	4.8	20.9	7 E	—	—
4 26	2 5.12	+ 5 1.7	2.358	1.372	6.3	20.8	9 W	—	—
5 6	2 34.32	+ 6 42.1	2.300	1.322	8.1	20.8	11 W	—	2*
5 16	3 5.19	+ 8 16.7	2.238	1.270	9.9	20.7	12 W	—	4*
5 26	3 37.94	+ 9 42.8	2.173	1.214	11.5	20.6	14 W	—	6*
6 5	4 12.84	+10 57.6	2.108	1.156	13.0	20.5	15 W	—	8*
6 15	4 50.08	+11 57.6	2.044	1.097	14.1	20.4	15 W	—	8*
6 25	5 29.77	+12 39.1	1.984	1.037	14.8	20.2	15 W	—	8*
7 5	6 11.94	+12 58.5	1.930	0.978	15.0	20.0	14 W	—	8*
7 15	6 56.47	+12 52.5	1.884	0.923	14.3	19.8	13 W	—	7*
7 25	7 43.04	+12 18.8	1.848	0.873	12.8	19.6	11 W	—	5*
8 4	8 31.21	+11 17.1	1.822	0.832	10.4	19.4	9 W	—	2*
8 14	9 20.42	+ 9 48.4	1.805	0.804	7.2	19.1	6 W	—	—
8 24	10 9.98	+ 7 56.2	1.798	0.791	4.2	18.9	3 W	—	—
8 29	10 34.69	+ 6 52.7	1.797	0.790	3.7	18.9	3 E	—	—
9 3	10 59.25	+ 5 45.2	1.799	0.794	4.4	19.0	3 E	—	—
9 8	11 23.59	+ 4 34.4	1.803	0.802	5.8	19.1	5 E	—	—
9 13	11 47.66	+ 3 21.2	1.808	0.814	7.4	19.2	6 E	—	—
9 18	12 11.39	+ 2 6.6	1.816	0.830	9.0	19.3	7 E	—	1*
9 23	12 34.77	+ 0 51.4	1.826	0.849	10.5	19.4	9 E	1*	2*
9 28	12 57.75	− 0 23.6	1.839	0.870	11.7	19.5	10 E	2*	2*
10 3	13 20.33	− 1 37.4	1.853	0.894	12.8	19.6	11 E	3*	3*
10 8	13 42.49	− 2 49.4	1.870	0.920	13.6	19.8	12 E	5*	4*
10 13	14 4.23	− 3 58.6	1.888	0.947	14.2	19.9	13 E	6*	4*
10 23	14 46.41	− 6 6.4	1.932	1.004	14.8	20.1	15 E	7*	4*
11 2	15 26.88	− 7 56.5	1.983	1.063	14.8	20.2	16 E	9*	4*
11 12	16 5.69	− 9 26.0	2.040	1.123	14.2	20.4	16 E	9*	3*
11 22	16 42.85	−10 33.4	2.100	1.182	13.3	20.5	16 E	10*	1*
12 2	17 18.41	−11 18.6	2.162	1.239	12.1	20.7	15 E	9*	—
12 12	17 52.40	−11 42.1	2.224	1.293	10.8	20.8	14 E	8*	—
12 22	18 24.87	−11 45.3	2.284	1.344	9.5	20.9	13 E	7*	—
1 1	18 55.89	−11 30.1	2.340	1.392	8.3	20.9	12 E	4*	—
1 11	19 25.54	−10 58.3	2.390	1.437	7.5	21.0	11 W	2*	—
1 21	19 53.88	−10 12.1	2.434	1.478	7.1	21.1	11 W	4*	—

469699 2005 EP_{68}

2 25	23 33.16	− 3 28.3	3.178	2.244	7.1	21.4	16 E	9*	5*
3 7	23 52.16	− 2 25.5	3.161	2.195	4.9	21.2	11 E	4*	2*
3 17	0 11.77	− 1 19.2	3.133	2.147	2.9	21.0	6 E	—	—
3 27	0 32.01	− 0 10.8	3.093	2.098	1.7	20.9	3 E	—	—
4 6	0 52.92	+ 0 58.3	3.043	2.050	2.7	20.9	6 W	—	—
4 16	1 14.56	+ 2 6.6	2.984	2.002	4.8	20.9	10 W	—	2*
4 26	1 36.98	+ 3 12.5	2.918	1.954	7.0	20.9	14 W	—	7*
5 6	2 0.23	+ 4 14.3	2.845	1.908	9.2	20.9	18 W	—	11*
5 16	2 24.37	+ 5 10.2	2.767	1.862	11.4	20.9	21 W	—	15*
5 26	2 49.44	+ 5 58.0	2.687	1.818	13.5	20.8	25 W	—	19*
6 5	3 15.46	+ 6 36.0	2.605	1.776	15.6	20.8	28 W	—	22*
6 15	3 42.43	+ 7 2.1	2.523	1.735	17.6	20.7	31 W	—	25*
6 25	4 10.29	+ 7 14.2	2.443	1.698	19.5	20.7	34 W	1*	28*
7 5	4 38.98	+ 7 10.9	2.366	1.662	21.3	20.6	36 W	4*	30*
7 15	5 8.37	+ 6 50.7	2.294	1.631	23.0	20.6	39 W	7*	32*
7 25	5 38.26	+ 6 12.9	2.227	1.602	24.5	20.5	41 W	11*	34*
8 4	6 8.46	+ 5 17.8	2.166	1.578	25.8	20.4	43 W	14*	35*
8 14	6 38.74	+ 4 6.1	2.112	1.558	27.1	20.4	44 W	17*	36*
8 24	7 8.86	+ 2 39.5	2.063	1.543	28.1	20.4	46 W	19*	37*
9 3	7 38.61	+ 1 0.6	2.021	1.533	29.1	20.3	48 W	22*	38*
9 13	8 7.78	− 0 47.8	1.983	1.528	29.9	20.3	49 W	24*	39*
9 23	8 36.20	− 2 42.3	1.948	1.529	30.6	20.3	51 W	26*	40*
10 3	9 3.76	− 4 39.5	1.915	1.534	31.3	20.3	53 W	28*	41*
10 13	9 30.34	− 6 36.1	1.883	1.545	32.0	20.3	55 W	29*	43*
10 23	9 55.86	− 8 28.9	1.849	1.561	32.6	20.3	58 W	31*	45*
11 2	10 20.26	−10 15.2	1.812	1.581	33.1	20.3	61 W	31*	47*
11 12	10 43.44	−11 52.2	1.771	1.606	33.6	20.3	64 W	32*	50*
11 22	11 5.31	−13 17.1	1.725	1.635	34.1	20.3	68 W	31*	53*

469699 2005 EP_{68} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 2	11 25.74	−14 27.5	1.673	1.667	34.3	20.3	72 W	31	58*
12 12	11 44.54	−15 20.6	1.616	1.703	34.4	20.2	78 W	30	63*
12 22	12 1.49	−15 53.3	1.553	1.741	34.2	20.2	83 W	29	69*
12 27	12 9.19	−16 1.0	1.519	1.761	33.9	20.1	87 W	29	72*
1 1	12 16.33	−16 2.3	1.485	1.781	33.5	20.1	90 W	29	75*
1 6	12 22.83	−15 56.7	1.450	1.803	33.0	20.1	94 W	29	77*
1 11	12 28.67	−15 43.6	1.415	1.824	32.3	20.0	97 W	29	79*
1 16	12 33.80	−15 22.4	1.379	1.846	31.5	20.0	101 W	30	79
1 21	12 38.18	−14 52.8	1.344	1.868	30.5	19.9	106 W	30	79

399905 2005 XA_1

2 25	23 42.11	− 4 35.3	2.218	1.312	13.4	21.5	18 E	9*	7*
3 2	23 58.41	− 3 1.9	2.229	1.316	12.9	21.5	17 E	9*	7*
3 7	0 14.62	− 1 28.1	2.241	1.321	12.4	21.5	17 E	8*	7*
3 12	0 30.75	+ 0 5.6	2.255	1.328	11.9	21.5	16 E	8*	6*
3 17	0 46.79	+ 1 38.5	2.270	1.337	11.4	21.5	15 E	7*	6*

450159 2000 JJ_5

2 25	23 56.24	− 4 4.5	1.851	0.998	21.3	21.3	21 E	12*	10*
3 7	0 27.93	+ 0 23.9	1.735	0.875	23.2	20.9	20 E	12*	9*
3 17	1 3.89	+ 5 29.6	1.604	0.757	27.4	20.5	21 E	13*	8*
3 27	1 45.38	+11 11.6	1.458	0.654	35.2	20.2	22 E	15*	8*
4 1	2 8.63	+14 12.8	1.380	0.614	40.8	20.1	24 E	16*	9*
4 6	2 33.78	+17 16.8	1.299	0.585	47.5	20.1	26 E	18*	9*
4 11	3 0.96	+20 18.5	1.215	0.570	54.9	20.1	28 E	20*	10*
4 16	3 30.31	+23 11.6	1.132	0.571	62.4	20.2	30 E	23*	11*
4 18	3 42.70	+24 16.9	1.099	0.575	65.2	20.2	31 E	24*	12*
4 20	3 55.47	+25 19.2	1.066	0.583	67.9	20.3	33 E	25*	13*
4 22	4 8.66	+26 18.1	1.035	0.592	70.4	20.3	34 E	26*	13*
4 24	4 22.27	+27 13.1	1.005	0.604	72.6	20.4	35 E	27*	14*
4 26	4 36.33	+28 3.5	0.975	0.617	74.6	20.4	36 E	28*	15*
4 28	4 50.84	+28 49.0	0.948	0.633	76.3	20.5	38 E	29*	16*
4 30	5 5.82	+29 28.8	0.921	0.650	77.7	20.5	39 E	30*	17*
5 2	5 21.27	+30 2.4	0.897	0.668	78.7	20.5	41 E	31*	18*
5 4	5 37.18	+30 29.1	0.874	0.687	79.5	20.6	42 E	33*	19*
5 6	5 53.51	+30 48.4	0.853	0.708	79.9	20.6	44 E	34*	20*
5 8	6 10.24	+30 59.7	0.834	0.729	80.1	20.6	45 E	35*	21*
5 10	6 27.29	+31 2.3	0.817	0.751	80.0	20.6	47 E	36*	22*
5 12	6 44.58	+30 56.0	0.803	0.774	79.7	20.6	49 E	37*	24*
5 14	7 2.04	+30 40.4	0.791	0.797	79.1	20.7	51 E	38*	25*
5 16	7 19.54	+30 15.4	0.781	0.821	78.2	20.7	53 E	39*	27*
5 18	7 36.99	+29 41.2	0.774	0.845	77.2	20.7	55 E	40*	28*
5 20	7 54.26	+28 58.0	0.769	0.869	76.1	20.7	56 E	41*	30*
5 22	8 11.25	+28 6.5	0.766	0.893	74.8	20.7	58 E	42*	32*
5 24	8 27.86	+27 7.4	0.766	0.917	73.3	20.7	60 E	42*	33*
5 26	8 44.01	+26 1.6	0.768	0.942	71.8	20.7	62 E	43*	35*
5 28	8 59.62	+24 50.1	0.772	0.967	70.3	20.7	64 E	43*	37*
5 30	9 14.66	+23 34.0	0.779	0.991	68.7	20.8	66 E	43*	39*
6 1	9 29.08	+22 14.3	0.788	1.016	67.0	20.8	67 E	43*	40*
6 3	9 42.88	+20 52.1	0.799	1.040	65.4	20.8	69 E	43*	42*
6 5	9 56.04	+19 28.4	0.812	1.065	63.8	20.8	70 E	42*	44*
6 7	10 8.58	+18 4.0	0.827	1.089	62.2	20.9	72 E	42*	45*
6 9	10 20.51	+16 39.6	0.844	1.113	60.7	20.9	73 E	41*	47*
6 11	10 31.86	+15 16.0	0.863	1.137	59.1	21.0	74 E	41*	48*
6 13	10 42.65	+13 53.6	0.883	1.161	57.7	21.0	75 E	40*	50*
6 15	10 52.91	+12 32.8	0.904	1.185	56.3	21.1	76 E	39*	51*
6 20	11 16.46	+ 9 20.0	0.964	1.244	53.0	21.2	78 E	37*	54*
6 25	11 37.39	+ 6 22.2	1.031	1.301	50.0	21.4	79 E	35*	57*
6 30	11 56.16	+ 3 39.8	1.104	1.358	47.4	21.6	80 E	32*	60*
7 5	12 13.17	+ 1 12.3	1.182	1.413	45.0	21.7	80 E	30*	62*

438661 2008 EP_6

3 7	0 1.31	+ 9 53.7	1.794	0.926	21.5	21.4	20 E	14*	—
3 12	0 21.39	+12 5.9	1.772	0.909	22.4	21.4	20 E	14*	—
3 17	0 42.26	+14 14.7	1.749	0.894	23.4	21.4	21 E	15*	—
3 22	1 3.96	+16 18.1	1.728	0.881	24.5	21.4	21 E	15*	—
3 27	1 26.51	+18 13.8	1.709	0.870	25.6	21.3	22 E	16*	1*
4 1	1 49.90	+19 59.8	1.691	0.862	26.8	21.3	23 E	17*	2*
4 6	2 14.11	+21 33.8	1.674	0.857	27.9	21.3	24 E	18*	3*
4 11	2 39.06	+22 53.7	1.660	0.855	29.0	21.3	24 E	18*	5*
4 16	3 4.62	+23 57.6	1.648	0.855	30.0	21.3	25 E	19*	6*
4 21	3 30.63	+24 44.2	1.639	0.859	31.0	21.4	26 E	19*	8*
4 26	3 56.88	+25 12.4	1.632	0.866	31.8	21.4	27 E	19*	10*
5 1	4 23.17	+25 21.8	1.628	0.875	32.6	21.4	28 E	20*	11*
5 6	4 49.27	+25 12.8	1.627	0.887	33.2	21.5	29 E	19*	13*

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

11500 Tomaiyowit

3 7	0 13.14	+ 5 19.7	2.230	1.333	14.1	21.5	19 E	13*	3*
3 17	0 40.58	+ 7 38.4	2.219	1.294	12.4	21.3	16 E	10*	2*
3 27	1 9.12	+ 9 56.2	2.198	1.251	10.9	21.2	14 E	7*	1*
4 6	1 39.05	+12 10.5	2.168	1.203	9.4	21.0	11 E	5*	—
4 16	2 10.72	+14 18.2	2.129	1.151	8.2	20.8	9 E	3*	—
4 26	2 44.47	+16 15.3	2.082	1.095	7.3	20.6	8 E	1*	—
5 6	3 20.64	+17 56.6	2.029	1.035	6.9	20.4	7 E	—	—
5 11	3 39.74	+18 39.5	2.000	1.004	6.9	20.3	7 E	—	—
5 16	3 59.58	+19 16.0	1.970	0.973	7.0	20.2	7 E	—	—
5 21	4 20.16	+19 45.3	1.939	0.942	7.4	20.1	7 E	—	—
5 26	4 41.51	+20 6.2	1.906	0.910	8.0	20.1	7 E	—	1*
5 31	5 3.64	+20 17.8	1.873	0.879	8.9	20.0	8 E	—	1*
6 5	5 26.54	+20 19.1	1.839	0.849	10.0	19.9	8 E	—	2*
6 10	5 50.19	+20 9.1	1.805	0.819	11.5	19.9	9 E	—	3*
6 15	6 14.55	+19 47.0	1.770	0.792	13.2	19.8	10 E	—	4*
6 20	6 39.54	+19 12.0	1.736	0.766	15.2	19.8	11 E	—	5*
6 25	7 5.09	+18 24.0	1.701	0.744	17.6	19.7	13 E	—	7*
7 5	7 57.51	+16 8.8	1.631	0.710	23.1	19.7	16 E	—	10*
7 15	8 50.99	+13 6.0	1.565	0.696	29.3	19.8	20 E	—	14*
7 25	9 44.68	+ 9 26.3	1.505	0.703	35.3	19.9	24 E	—	18*
7 30	10 11.39	+ 7 27.2	1.479	0.714	37.9	19.9	26 E	1*	20*
8 4	10 37.92	+ 5 24.5	1.457	0.730	40.1	20.0	28 E	2*	22*
8 9	11 4.22	+ 3 20.3	1.439	0.750	41.9	20.1	30 E	3*	24*
8 14	11 30.25	+ 1 16.3	1.426	0.773	43.3	20.2	32 E	4*	26*
8 19	11 55.96	− 0 45.6	1.417	0.799	44.3	20.3	33 E	5*	27*
8 24	12 21.31	− 2 43.7	1.413	0.827	44.8	20.4	35 E	7*	29*
8 29	12 46.28	− 4 36.6	1.414	0.857	45.0	20.4	37 E	8*	31*
9 3	13 10.83	− 6 23.3	1.420	0.887	44.9	20.5	38 E	9*	32*
9 8	13 34.93	− 8 2.6	1.431	0.919	44.5	20.6	40 E	10*	33*
9 13	13 58.56	− 9 33.8	1.447	0.950	43.8	20.7	41 E	11*	35*
9 18	14 21.69	−10 56.5	1.466	0.982	43.1	20.8	42 E	12*	35*
9 23	14 44.28	−12 10.2	1.489	1.013	42.1	20.8	43 E	13*	36*
9 28	15 6.35	−13 15.0	1.516	1.044	41.1	20.9	43 E	14*	37*
10 3	15 27.87	−14 10.9	1.545	1.074	40.1	21.0	44 E	15*	37*
10 8	15 48.86	−14 58.1	1.578	1.103	38.9	21.1	44 E	15*	37*
10 13	16 9.31	−15 36.9	1.612	1.131	37.8	21.1	44 E	16*	37*
10 18	16 29.22	−16 7.5	1.648	1.158	36.6	21.2	44 E	17*	36*
10 23	16 48.61	−16 30.4	1.686	1.185	35.4	21.3	44 E	17*	36*
10 28	17 7.49	−16 45.9	1.725	1.210	34.2	21.3	43 E	18*	35*
11 2	17 25.88	−16 54.6	1.764	1.234	33.0	21.4	43 E	18*	34*
11 7	17 43.80	−16 56.7	1.805	1.257	31.8	21.4	42 E	19*	33*
11 12	18 1.26	−16 52.6	1.845	1.279	30.7	21.5	41 E	19*	31*

154807 2004 PP_{97}

3 7	0 13.27	+ 2 1.2	2.086	1.179	14.7	21.4	18 E	10*	5*
3 17	0 43.40	+ 6 35.2	2.057	1.137	14.2	21.3	16 E	10*	3*
3 27	1 15.26	+11 12.2	2.028	1.100	14.1	21.1	16 E	9*	2*
4 6	1 49.32	+15 45.3	1.999	1.068	14.4	21.1	15 E	9*	1*
4 16	2 26.05	+20 5.7	1.973	1.043	15.1	21.0	16 E	10*	—
4 26	3 5.82	+24 2.3	1.951	1.025	16.0	21.0	16 E	10*	—
5 6	3 48.76	+27 21.9	1.935	1.016	17.0	21.0	17 E	11*	1*
5 16	4 34.63	+29 51.3	1.927	1.015	18.0	21.0	18 E	12*	2*
5 26	5 22.56	+31 19.1	1.927	1.024	18.8	21.0	19 E	12*	3*
6 5	6 11.20	+31 39.0	1.937	1.041	19.3	21.1	20 E	12*	5*
6 15	6 58.98	+30 51.5	1.956	1.066	19.5	21.2	21 E	12*	7*
6 25	7 44.50	+29 3.9	1.985	1.097	19.3	21.3	21 E	11*	8*
7 5	8 26.92	+26 27.6	2.024	1.134	18.7	21.4	21 E	10*	10*
7 15	9 5.94	+23 15.8	2.071	1.175	17.7	21.5	21 E	9*	11*

343166 2009 SO_{103}

3 7	0 20.85	+ 1 40.1	2.661	1.754	10.7	21.3	19 E	12*	7*
3 17	0 41.87	+ 2 43.1	2.606	1.661	8.6	21.1	14 E	7*	5*
3 27	1 4.46	+ 3 49.9	2.536	1.566	6.6	20.8	10 E	2*	3*
4 6	1 28.91	+ 4 59.2	2.453	1.466	5.1	20.5	7 E	—	1*
4 16	1 55.57	+ 6 9.2	2.357	1.364	4.5	20.2	6 E	—	—
4 26	2 24.88	+ 7 17.9	2.252	1.259	5.4	20.0	7 E	—	—
5 6	2 57.41	+ 8 22.9	2.141	1.151	7.2	19.8	8 E	—	—
5 16	3 33.80	+ 9 21.2	2.026	1.043	9.4	19.5	10 E	—	—
5 26	4 14.77	+10 9.2	1.912	0.938	11.9	19.3	11 E	—	—
6 5	5 0.96	+10 43.3	1.804	0.839	14.6	19.0	12 E	—	1*
6 15	5 52.75	+11 0.4	1.707	0.754	17.8	18.8	13 E	—	4*
6 25	6 49.81	+10 59.9	1.626	0.695	22.2	18.6	15 E	—	7*
6 30	7 19.92	+10 53.5	1.592	0.679	24.8	18.6	16 E	—	9*
7 5	7 50.73	+10 43.4	1.565	0.673	27.5	18.6	18 E	—	11*
7 10	8 21.90	+10 29.6	1.544	0.677	30.2	18.7	20 E	—	13*
7 15	8 53.06	+10 12.0	1.530	0.693	32.5	18.8	22 E	—	15*
7 20	9 23.87	+ 9 50.3	1.523	0.717	34.4	18.9	24 E	—	18*
7 25	9 54.01	+ 9 24.2	1.525	0.750	35.8	19.1	26 E	2*	19*

343166 2009 SO_{103} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
8 4	10 51.38	+ 8 18.8	1.551	0.834	36.8	19.4	29 E	7*	23*
8 14	11 43.96	+ 6 58.0	1.607	0.932	36.0	19.6	33 E	11*	25*
8 24	12 31.39	+ 5 27.6	1.687	1.038	34.1	19.9	35 E	14*	27*
8 29	12 53.24	+ 4 40.9	1.734	1.091	32.9	20.1	36 E	16*	28*
9 3	13 13.96	+ 3 54.1	1.786	1.145	31.6	20.2	37 E	17*	28*
9 8	13 33.60	+ 3 7.9	1.841	1.199	30.3	20.3	37 E	18*	28*
9 13	13 52.27	+ 2 22.9	1.898	1.253	29.0	20.5	37 E	19*	28*
9 23	14 26.99	+ 0 58.2	2.020	1.358	26.3	20.7	37 E	20*	26*
10 3	14 58.74	− 0 17.5	2.148	1.461	23.7	20.9	36 E	21*	24*
10 13	15 28.09	− 1 22.4	2.278	1.560	21.2	21.1	34 E	22*	22*
10 23	15 55.43	− 2 15.6	2.408	1.656	18.8	21.3	32 E	22*	18*
11 2	16 21.11	− 2 56.5	2.534	1.749	16.6	21.4	30 E	21*	14*

395289 2011 BJ_2

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
3 7	0 30.43	− 8 27.7	2.160	1.276	15.6	21.4	20 E	6*	13*
3 17	0 50.61	− 2 50.7	2.147	1.222	13.0	21.2	16 E	4*	9*
3 27	1 11.34	+ 2 52.9	2.123	1.166	10.3	20.9	12 E	3*	5*
4 6	1 33.11	+ 8 44.4	2.089	1.110	7.8	20.7	9 E	2*	—
4 16	1 56.62	+14 44.8	2.044	1.055	6.5	20.5	7 E	1*	—
4 26	2 22.78	+20 53.6	1.989	1.001	7.8	20.4	8 E	1*	—
5 1	2 37.27	+24 0.3	1.958	0.976	9.4	20.3	9 E	2*	—
5 6	2 52.98	+27 7.4	1.925	0.952	11.3	20.3	11 E	2*	—
5 11	3 10.20	+30 13.4	1.890	0.929	13.5	20.3	12 W	4*	—
5 16	3 29.23	+33 16.2	1.854	0.909	15.9	20.3	14 W	5*	—
5 21	3 50.43	+36 12.6	1.817	0.890	18.4	20.3	16 W	7*	—
5 26	4 14.17	+38 58.4	1.781	0.874	20.9	20.3	18 E	9*	—
5 31	4 40.79	+41 27.9	1.745	0.861	23.4	20.3	20 E	11*	—
6 5	5 10.50	+43 34.2	1.711	0.852	25.8	20.3	21 E	13*	—
6 10	5 43.25	+45 9.3	1.680	0.845	28.1	20.3	23 E	15*	—
6 15	6 18.56	+46 5.0	1.653	0.842	30.1	20.3	25 E	18*	—
6 17	6 33.21	+46 14.7	1.643	0.842	30.8	20.3	25 E	18*	—
6 19	6 48.04	+46 16.7	1.634	0.843	31.5	20.3	26 E	19*	—
6 21	7 2.97	+46 10.8	1.626	0.844	32.2	20.3	26 E	20*	—
6 23	7 17.91	+45 56.8	1.618	0.845	32.8	20.4	27 E	21*	—
6 25	7 32.76	+45 34.7	1.612	0.847	33.3	20.4	27 E	21*	—
6 27	7 47.44	+45 4.7	1.607	0.850	33.8	20.4	28 E	22*	—
6 29	8 1.86	+44 27.0	1.602	0.853	34.2	20.4	28 E	22*	—
7 1	8 15.96	+43 41.9	1.599	0.857	34.6	20.4	29 E	23*	1*
7 3	8 29.68	+42 49.9	1.597	0.861	34.8	20.4	29 E	23*	2*
7 5	8 42.97	+41 51.3	1.596	0.866	35.1	20.4	29 E	23*	3*
7 10	9 14.11	+38 59.8	1.598	0.880	35.4	20.5	30 E	23*	6*
7 15	9 42.15	+35 39.8	1.606	0.897	35.3	20.5	31 E	23*	10*
7 20	10 7.19	+32 0.0	1.622	0.917	34.9	20.6	31 E	22*	12*
7 25	10 29.52	+28 8.3	1.643	0.938	34.3	20.7	31 E	21*	15*
7 30	10 49.53	+24 10.9	1.670	0.961	33.3	20.7	31 E	19*	17*
8 4	11 7.58	+20 12.9	1.702	0.986	32.2	20.8	31 E	18*	19*
8 9	11 24.03	+16 17.9	1.737	1.012	31.0	20.9	31 E	16*	20*
8 14	11 39.18	+12 28.4	1.776	1.038	29.6	20.9	30 E	14*	21*
8 19	11 53.27	+ 8 46.1	1.817	1.066	28.2	21.0	30 E	12*	22*
8 24	12 6.52	+ 5 11.9	1.860	1.093	26.7	21.0	29 E	10*	22*
8 29	12 19.12	+ 1 46.1	1.903	1.121	25.3	21.1	28 E	8*	22*
9 3	12 31.21	− 1 31.3	1.947	1.149	23.8	21.2	27 E	6*	21*
9 8	12 42.92	− 4 40.3	1.991	1.177	22.4	21.2	26 E	4*	20*
9 13	12 54.35	− 7 41.4	2.034	1.205	21.0	21.3	25 E	2*	19*
9 18	13 5.60	−10 35.0	2.076	1.233	19.7	21.3	24 E	—	18*
9 23	13 16.74	−13 21.4	2.117	1.260	18.4	21.4	23 E	—	17*
9 28	13 27.84	−16 1.1	2.156	1.286	17.2	21.4	22 E	—	16*
10 3	13 38.98	−18 34.6	2.193	1.312	16.1	21.5	21 E	—	14*

190788 2001 RT_{17}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
3 7	0 55.48	+17 51.8	1.859	1.190	28.5	21.3	35 E	29*	7*
3 17	1 17.27	+19 41.6	1.780	1.055	28.8	20.9	31 E	25*	4*
3 27	1 42.35	+21 34.8	1.670	0.905	30.2	20.5	27 E	21*	3*
4 6	2 11.75	+23 21.0	1.524	0.738	34.0	20.0	24 E	18*	2*
4 11	2 28.45	+24 4.4	1.434	0.647	37.6	19.7	23 E	17*	2*
4 16	2 46.58	+24 32.7	1.331	0.552	43.3	19.3	22 E	16*	2*
4 21	3 5.75	+24 31.9	1.210	0.453	53.0	18.9	21 E	15*	3*
4 26	3 24.11	+23 32.6	1.069	0.357	70.4	18.7	20 E	13*	4*
4 27	3 27.25	+23 9.1	1.038	0.339	75.3	18.7	19 E	12*	4*
4 28	3 30.03	+22 40.2	1.006	0.323	81.0	18.7	18 E	11*	4*
4 29	3 32.35	+22 5.3	0.974	0.307	87.3	18.7	18 E	11*	5*
4 30	3 34.07	+21 23.6	0.941	0.294	94.4	18.9	17 E	9*	5*
5 1	3 35.06	+20 34.4	0.909	0.282	102.3	19.1	16 E	8*	5*
5 2	3 35.17	+19 37.3	0.878	0.273	110.9	19.4	15 E	7*	4*
5 3	3 34.29	+18 32.4	0.848	0.267	120.1	19.9	13 E	5*	4*
5 4	3 32.35	+17 20.0	0.820	0.264	129.5	20.6	12 E	3*	4*

250680 2005 QC_5

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
3 7	1 22.47	+12 16.9	1.145	0.701	59.4	21.4	37 E	30*	15*
3 12	1 39.01	+14 39.4	1.086	0.667	63.9	21.3	37 E	30*	14*
3 17	1 55.77	+16 58.9	1.021	0.637	69.4	21.2	37 E	30*	14*
3 22	2 12.54	+19 12.2	0.950	0.610	75.9	21.2	36 E	30*	13*
3 27	2 28.92	+21 15.2	0.875	0.589	83.5	21.2	36 E	29*	12*
4 1	2 44.34	+23 2.8	0.795	0.575	92.3	21.3	35 E	28*	11*
4 6	2 58.05	+24 29.1	0.714	0.568	102.0	21.5	34 E	27*	10*

275677 2000 RS_{11}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
3 7	1 23.00	− 0 53.2	1.651	0.990	33.6	21.5	34 E	20*	22*
3 17	1 59.87	+ 2 1.0	1.603	0.948	35.4	21.4	34 E	20*	22*
3 27	2 38.91	+ 5 2.6	1.550	0.913	37.7	21.3	34 E	20*	23*
4 6	3 20.33	+ 8 6.7	1.497	0.888	40.3	21.2	35 E	20*	24*
4 16	4 4.26	+11 6.8	1.446	0.873	43.0	21.2	36 E	20*	25*
4 26	4 50.64	+13 53.9	1.401	0.870	45.5	21.2	38 E	21*	26*
5 6	5 39.18	+16 17.4	1.365	0.880	47.6	21.2	40 E	22*	28*
5 16	6 29.31	+18 6.2	1.342	0.901	48.9	21.2	42 E	23*	29*
5 26	7 20.09	+19 11.0	1.333	0.933	49.3	21.3	44 E	23*	31*
6 5	8 10.34	+19 27.0	1.340	0.972	48.9	21.4	46 E	24*	33*

378124 2006 VT_2

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
3 7	2 7.69	+18 0.4	1.781	1.368	33.6	21.4	50 E	42*	21*
3 17	2 22.35	+20 34.4	1.771	1.262	33.2	21.2	44 E	37*	17*
3 27	2 39.30	+23 15.8	1.735	1.147	33.2	21.0	39 E	32*	13*
4 6	2 58.86	+26 4.5	1.670	1.020	33.9	20.7	35 E	28*	9*
4 16	3 21.65	+28 59.0	1.573	0.882	36.0	20.3	31 E	25*	7*
4 21	3 34.49	+30 26.8	1.510	0.809	38.0	20.1	30 E	24*	5*
4 26	3 48.43	+31 53.0	1.437	0.732	41.0	19.8	29 E	22*	4*
5 1	4 3.53	+33 14.5	1.352	0.654	45.4	19.6	28 E	21*	3*
5 6	4 19.72	+34 25.1	1.254	0.574	52.1	19.3	27 E	21*	3*
5 8	4 26.41	+34 48.0	1.210	0.542	55.7	19.2	26 E	20*	2*
5 10	4 33.14	+35 6.2	1.164	0.511	59.9	19.1	26 E	20*	2*
5 12	4 39.79	+35 18.1	1.116	0.480	64.9	19.0	25 E	19*	2*
5 14	4 46.22	+35 21.6	1.064	0.451	70.9	19.0	25 E	19*	2*
5 16	4 52.19	+35 14.0	1.010	0.424	78.0	19.0	24 E	18*	2*
5 17	4 54.92	+35 4.9	0.983	0.411	82.1	19.0	24 E	18*	2*
5 18	4 57.41	+34 51.6	0.955	0.399	86.4	19.0	23 E	17*	2*
5 19	4 59.61	+34 33.5	0.926	0.388	91.2	19.1	23 E	16*	2*
5 20	5 1.48	+34 9.9	0.898	0.379	96.3	19.2	22 E	16*	2*
5 21	5 2.94	+33 40.2	0.869	0.370	101.8	19.4	21 E	15*	2*
5 22	5 3.96	+33 3.6	0.841	0.363	107.7	19.6	20 E	14*	1*
5 23	5 4.47	+32 19.5	0.813	0.357	114.0	19.8	19 E	12*	1*
5 24	5 4.44	+31 27.2	0.787	0.353	120.6	20.2	17 E	11*	1*
5 25	5 3.84	+30 26.4	0.761	0.351	127.4	20.7	16 E	10*	1*
5 26	5 2.67	+29 16.8	0.737	0.350	134.5	21.3	14 E	8*	1*
5 28	4 58.70	+26 31.2	0.694	0.354	148.9	23.3	10 E	4*	—
5 30	4 52.94	+23 14.6	0.660	0.364	162.7	27.0	6 E	—	—
6 1	4 46.02	+19 36.2	0.637	0.380	170.7	32.8	3 E	—	—
6 3	4 38.68	+15 48.4	0.623	0.401	163.2	27.3	7 W	—	—

500080 2011 WV_{134}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
3 7	3 6.06	+11 59.4	2.204	1.933	26.7	21.5	61 E	46*	35*
3 17	3 20.93	+13 19.7	2.220	1.843	26.3	21.4	55 E	42*	32*
3 27	3 38.00	+14 41.8	2.223	1.750	25.7	21.2	50 E	37*	29*
4 6	3 57.30	+16 3.5	2.213	1.657	25.1	21.1	45 E	32*	26*
4 16	4 18.93	+17 22.4	2.189	1.562	24.5	20.9	40 E	27*	24*
4 26	4 43.03	+18 35.6	2.153	1.467	23.9	20.7	36 E	23*	22*
5 6	5 9.78	+19 39.5	2.105	1.372	23.5	20.5	33 E	19*	20*
5 16	5 39.40	+20 29.8	2.047	1.279	23.5	20.3	30 E	16*	19*
5 26	6 12.07	+21 1.1	1.981	1.189	23.8	20.1	28 E	13*	18*
5 31	6 29.59	+21 7.8	1.945	1.146	24.1	20.0	27 E	12*	18*
6 5	6 47.92	+21 7.2	1.909	1.105	24.6	19.9	27 E	11*	18*
6 10	7 7.06	+20 58.6	1.871	1.066	25.3	19.8	27 E	10*	18*
6 15	7 26.98	+20 40.9	1.834	1.029	26.1	19.7	26 E	9*	18*
6 20	7 47.65	+20 13.4	1.796	0.996	27.1	19.6	27 E	9*	18*
6 25	8 9.03	+19 35.2	1.758	0.967	28.3	19.5	27 E	8*	19*
6 30	8 31.05	+18 45.7	1.722	0.942	29.7	19.4	27 E	8*	19*
7 5	8 53.64	+17 44.4	1.687	0.922	31.2	19.4	28 E	8*	20*
7 15	9 40.17	+15 5.9	1.624	0.899	34.3	19.3	30 E	9*	22*
7 25	10 27.77	+11 42.5	1.574	0.900	37.2	19.4	32 E	9*	25*
8 4	11 15.62	+ 7 42.9	1.544	0.926	39.3	19.4	35 E	10*	28*
8 9	11 39.39	+ 5 33.7	1.538	0.947	39.9	19.5	37 E	11*	30*
8 14	12 2.96	+ 3 21.2	1.538	0.973	40.2	19.6	38 E	12*	31*
8 19	12 26.24	+ 1 7.6	1.544	1.003	40.2	19.6	40 E	12*	33*
8 24	12 49.16	− 1 4.8	1.558	1.037	39.9	19.7	41 E	13*	34*
8 29	13 11.67	− 3 14.1	1.578	1.074	39.3	19.8	42 E	13*	36*
9 3	13 33.71	− 5 18.2	1.605	1.114	38.5	19.9	43 E	13*	37*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
500080 2011 WV_{134} *(continuation)*									
9 8	13 55.26	− 7 15.8	1.638	1.155	37.5	20.0	44 E	14*	38*
9 13	14 16.27	− 9 5.6	1.678	1.199	36.4	20.1	45 E	14*	38*
9 23	14 56.59	−12 19.0	1.773	1.289	33.8	20.3	46 E	15*	39*
10 3	15 34.55	−14 55.5	1.888	1.382	31.0	20.5	45 E	15*	39*
10 13	16 10.18	−16 56.3	2.016	1.477	28.2	20.7	44 E	15*	37*
10 23	16 43.54	−18 24.3	2.155	1.572	25.3	20.9	42 E	15*	35*
11 2	17 14.76	−19 23.7	2.301	1.667	22.5	21.1	40 E	15*	32*
11 12	17 44.01	−19 58.4	2.449	1.760	19.7	21.3	37 E	15*	29*
11 22	18 11.43	−20 12.3	2.598	1.853	17.0	21.4	33 E	14*	24*
462550 2009 CB_3									
3 7	5 19.49	+33 48.7	0.092	1.004	79.8	17.0	95 E	79*	30*
3 8	5 54.15	+35 44.6	0.102	1.017	73.2	17.0	101 E	81	28
3 9	6 23.43	+36 50.3	0.113	1.030	67.9	17.1	106 E	82	27
3 10	6 47.79	+37 23.2	0.125	1.042	63.7	17.2	110 E	82	27
3 11	7 7.97	+37 35.8	0.138	1.054	60.4	17.4	113 E	83	26
3 12	7 24.76	+37 36.2	0.152	1.066	57.7	17.5	115 E	83	26
3 13	7 38.83	+37 29.4	0.166	1.078	55.4	17.7	117 E	82	27
3 14	7 50.74	+37 18.4	0.180	1.090	53.6	17.8	118 E	82	27
3 15	8 0.93	+37 5.1	0.194	1.102	52.1	18.0	119 E	82	27
3 16	8 9.72	+36 50.6	0.209	1.114	50.8	18.1	120 E	82	27
3 17	8 17.40	+36 35.6	0.224	1.125	49.7	18.3	120 E	82	27
3 18	8 24.16	+36 20.5	0.239	1.136	48.8	18.4	121 E	81	28
3 19	8 30.16	+36 5.5	0.254	1.147	48.0	18.5	121 E	81	28
3 20	8 35.54	+35 50.8	0.269	1.159	47.3	18.7	121 E	81	28
3 21	8 40.39	+35 36.5	0.285	1.170	46.7	18.8	121 E	81	28
3 22	8 44.81	+35 22.5	0.300	1.180	46.2	18.9	121 E	80	29
3 23	8 48.84	+35 8.8	0.316	1.191	45.7	19.0	121 E	80	29
3 24	8 52.56	+34 55.5	0.331	1.202	45.3	19.1	121 E	80	29
3 25	8 56.01	+34 42.5	0.347	1.212	45.0	19.2	121 E	80	29
3 26	8 59.22	+34 29.9	0.363	1.222	44.6	19.3	121 E	79	30
3 27	9 2.22	+34 17.5	0.378	1.233	44.4	19.4	120 E	79	30
3 29	9 7.70	+33 53.6	0.410	1.253	43.9	19.6	120 E	79	30
3 31	9 12.63	+33 30.5	0.442	1.272	43.5	19.8	119 E	79	30
4 2	9 17.13	+33 8.2	0.474	1.292	43.1	20.0	118 E	78	31
4 4	9 21.29	+32 46.4	0.507	1.310	42.8	20.2	117 E	78	31
4 6	9 25.18	+32 25.1	0.539	1.329	42.6	20.3	116 E	77	32
4 11	9 34.06	+31 33.2	0.621	1.373	42.0	20.7	113 E	77	32
4 16	9 42.14	+30 42.5	0.704	1.415	41.6	21.0	111 E	76	33
4 21	9 49.75	+29 52.4	0.787	1.454	41.1	21.3	108 E	75	34
4 26	9 57.07	+29 2.5	0.870	1.491	40.7	21.6	105 E	74	35
329713 2003 WO_7									
3 7	11 58.26	+12 25.5	2.038	3.011	4.5	23.1	166 W	57	52
3 12	11 53.29	+13 2.9	2.023	3.004	3.8	23.1	169 W	58	51
3 17	11 48.15	+13 38.3	2.016	2.996	4.0	23.1	168 W	59	50
3 22	11 42.97	+14 10.9	2.016	2.988	5.2	23.1	164 E	59	50
3 27	11 37.86	+14 39.8	2.024	2.979	6.7	23.2	160 E	60	49
4 1	11 32.95	+15 4.5	2.039	2.970	8.4	23.3	154 E	60	49
4 6	11 28.35	+15 24.6	2.060	2.961	10.1	23.4	149 E	60	49
422715 2000 WE_6									
3 7	11 58.89	+16 20.3	3.110	4.072	3.9	22.9	164 W	61	48
3 17	11 51.04	+17 10.5	3.100	4.066	3.8	22.9	164 W	62	47
3 27	11 43.11	+17 50.5	3.120	4.060	5.4	23.0	157 E	63	46
4 6	11 35.69	+18 17.7	3.170	4.052	7.5	23.1	148 E	63	46
4 16	11 29.30	+18 30.8	3.245	4.044	9.6	23.2	138 E	64	45
482766 2013 GF_{69}									
3 7	12 0.69	− 0 1.5	1.684	2.658	5.1	23.0	166 W	45	64
3 12	11 55.40	+ 0 48.4	1.654	2.642	2.7	22.8	173 W	46	63
3 17	11 49.81	+ 1 40.7	1.631	2.625	0.3	22.5	179 W	47	62
3 22	11 44.07	+ 2 34.1	1.615	2.608	2.3	22.7	174 E	48	61
3 27	11 38.33	+ 3 27.2	1.608	2.591	4.8	22.8	167 E	48	61
4 1	11 32.76	+ 4 19.0	1.608	2.573	7.3	22.9	161 E	49	60
4 6	11 27.48	+ 5 8.2	1.615	2.554	9.8	23.0	154 E	50	59
440012 2002 LE_{27}									
3 7	12 2.00	− 4 25.6	1.557	2.525	6.3	22.8	164 W	41	68
3 17	11 51.33	− 3 15.3	1.488	2.481	1.9	22.4	175 W	42	67
3 27	11 39.81	− 1 54.0	1.449	2.436	4.4	22.4	169 E	43	66
4 6	11 28.72	− 0 30.2	1.438	2.389	9.6	22.6	157 E	44	65
4 16	11 19.31	+ 0 46.9	1.452	2.342	14.5	22.8	144 E	46	63
459190 2012 DJ_{47}									
3 7	12 3.33	−24 58.7	2.533	3.408	9.1	22.4	147 W	20	89
3 12	11 58.02	−25 0.5	2.519	3.420	8.2	22.3	151 W	20	89
3 17	11 52.58	−24 56.8	2.513	3.432	7.4	22.3	154 W	20	89
3 22	11 47.12	−24 47.9	2.513	3.444	6.9	22.3	155 E	20	89

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
459190 2012 DJ_{47} *(continuation)*									
3 27	11 41.74	−24 34.3	2.521	3.455	6.8	22.3	156 E	20	89
4 1	11 36.57	−24 16.5	2.536	3.467	7.1	22.3	155 E	21	88
4 6	11 31.70	−23 55.2	2.559	3.478	7.6	22.4	153 E	21	88
4 11	11 27.20	−23 31.2	2.588	3.488	8.4	22.5	149 E	21	88
100085 1992 UY_4									
3 7	12 4.43	− 3 29.2	3.201	4.163	3.8	23.8	164 W	42	67
3 17	11 56.64	− 2 42.2	3.154	4.146	1.2	23.6	175 W	42	67
3 27	11 48.61	− 1 51.8	3.139	4.129	2.1	23.6	171 E	43	66
4 6	11 40.91	− 1 1.7	3.156	4.110	4.8	23.8	160 E	44	65
4 16	11 34.06	− 0 15.3	3.203	4.090	7.5	23.9	148 E	45	64
467317 2000 QW_7									
3 7	12 6.57	+ 1 20.4	1.876	2.847	5.1	23.6	165 W	46	63
3 12	12 1.39	+ 2 0.4	1.856	2.843	2.9	23.4	172 W	47	62
3 17	11 56.00	+ 2 41.3	1.844	2.838	0.9	23.2	177 W	48	61
3 22	11 50.51	+ 3 22.2	1.840	2.834	1.9	23.3	175 E	48	61
3 27	11 45.08	+ 4 2.1	1.844	2.828	4.0	23.5	169 E	49	60
4 1	11 39.82	+ 4 40.1	1.855	2.823	6.2	23.6	162 E	50	59
4 6	11 34.87	+ 5 15.3	1.874	2.817	8.3	23.7	156 E	50	59
516461 2005 LF_8									
3 7	12 7.29	+ 1 8.2	1.758	2.729	5.4	22.3	165 W	46	63
3 12	12 2.38	+ 1 37.6	1.727	2.713	3.2	22.2	171 W	47	62
3 17	11 57.16	+ 2 8.4	1.704	2.698	1.0	22.0	177 W	47	62
3 22	11 51.77	+ 2 39.6	1.688	2.682	1.7	22.0	175 E	48	61
3 27	11 46.36	+ 3 10.4	1.680	2.667	4.0	22.1	169 E	48	61
4 1	11 41.07	+ 3 39.8	1.679	2.650	6.3	22.2	163 E	49	60
4 6	11 36.04	+ 4 7.0	1.685	2.634	8.6	22.3	157 E	49	60
4 11	11 31.38	+ 4 31.4	1.697	2.617	10.8	22.4	151 E	50	59
506951 2008 KV_{28}									
3 7	12 7.30	−28 17.0	1.433	2.308	14.8	24.2	144 W	17	88
3 12	12 1.36	−27 44.4	1.397	2.300	13.3	24.1	148 W	17	88
3 17	11 55.01	−27 0.3	1.367	2.291	12.0	24.0	151 W	18	89
3 22	11 48.46	−26 4.9	1.344	2.282	11.0	23.9	154 E	19	90
3 27	11 41.93	−24 59.2	1.327	2.272	10.5	23.9	155 E	20	89
4 1	11 35.62	−23 44.5	1.317	2.262	10.7	23.8	155 E	21	88
4 6	11 29.72	−22 22.5	1.313	2.252	11.6	23.9	153 E	23	86
491037 2011 QW_{11}									
3 7	12 8.00	− 2 31.1	2.355	3.318	4.9	23.5	163 W	42	67
3 17	11 59.42	− 1 37.0	2.320	3.313	1.3	23.2	176 W	43	66
3 27	11 50.55	− 0 39.5	2.316	3.306	2.5	23.3	172 E	44	65
4 6	11 42.17	+ 0 16.1	2.343	3.299	6.1	23.5	160 E	45	64
4 16	11 34.96	+ 1 5.1	2.398	3.291	9.3	23.7	148 E	46	63
452140 2015 QR_9									
3 7	12 9.98	+10 57.5	2.248	3.214	4.9	22.6	164 W	56	53
3 12	12 5.64	+11 26.9	2.246	3.224	3.8	22.6	168 W	56	53
3 17	12 1.15	+11 54.5	2.252	3.234	3.4	22.5	169 W	57	52
3 22	11 56.65	+12 19.6	2.265	3.243	4.0	22.6	167 E	57	52
3 27	11 52.23	+12 41.6	2.285	3.253	5.1	22.7	163 E	58	51
4 1	11 47.98	+13 0.1	2.313	3.262	6.6	22.8	158 E	58	51
4 6	11 44.01	+13 14.8	2.348	3.270	8.0	22.9	153 E	58	51
439919 2001 QF_{132}									
3 7	12 13.99	− 7 59.2	2.020	2.968	6.8	22.7	159 W	37	72
3 17	12 4.96	− 7 11.1	1.978	2.963	3.3	22.5	170 W	38	71
3 27	11 55.46	− 6 13.4	1.966	2.958	2.6	22.4	172 E	39	70
4 6	11 46.41	− 5 12.2	1.984	2.951	6.1	22.6	162 E	40	69
4 16	11 38.67	− 4 13.6	2.030	2.943	9.7	22.8	150 E	41	68
524599 2003 PC_{11}									
3 7	12 14.02	−13 47.8	3.447	4.367	5.5	23.4	155 W	31	78
3 17	12 6.02	−13 29.0	3.384	4.350	3.5	23.3	164 W	32	77
3 27	11 57.65	−13 1.0	3.352	4.332	2.8	23.2	168 E	32	77
4 6	11 49.46	−12 26.2	3.352	4.313	4.2	23.3	162 E	33	76
4 16	11 41.98	−11 48.1	3.382	4.294	6.3	23.4	152 E	33	76
495960 2007 MT_{20}									
3 7	12 14.36	−20 15.8	1.954	2.856	10.1	23.2	150 W	25	84
3 12	12 8.59	−19 40.5	1.936	2.867	8.5	23.1	155 W	25	84
3 17	12 2.62	−18 58.9	1.926	2.878	7.1	23.0	159 W	26	83
3 22	11 56.61	−18 11.8	1.923	2.888	6.1	23.0	162 E	27	82
3 27	11 50.69	−17 20.2	1.928	2.897	5.7	23.0	163 E	28	81
4 1	11 45.00	−16 25.3	1.940	2.906	6.2	23.0	162 E	29	80
4 6	11 39.67	−15 28.3	1.961	2.914	7.3	23.1	158 E	30	79

354030 2001 RB_{18}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
3 7	12 15.65	− 3 40.5	2.544	3.498	5.2	23.8	161 W	41	68
3 17	12 6.95	− 2 39.0	2.524	3.514	1.9	23.6	173 W	42	67
3 27	11 58.00	− 1 34.3	2.536	3.529	1.8	23.6	174 E	43	66
4 6	11 49.53	− 0 31.4	2.580	3.543	5.1	23.8	162 E	44	65
4 16	11 42.18	+ 0 24.9	2.653	3.556	8.2	24.0	150 E	45	64

469722 2005 LP_{40}

3 7	12 18.62	+15 30.1	1.869	2.823	6.8	23.6	160 W	61	48
3 12	12 13.56	+16 39.2	1.845	2.809	6.0	23.5	163 W	62	47
3 17	12 8.13	+17 46.3	1.828	2.794	6.0	23.5	163 W	63	46
3 22	12 2.47	+18 50.0	1.819	2.779	6.8	23.5	161 E	64	45
3 27	11 56.73	+19 48.9	1.818	2.763	8.2	23.6	157 E	65	44
4 1	11 51.04	+20 41.9	1.824	2.747	9.8	23.6	152 E	66	43
4 6	11 45.55	+21 28.3	1.838	2.730	11.6	23.7	147 E	66	43

455350 2002 RL_{115}

3 7	12 20.48	− 6 42.3	2.407	3.351	6.2	23.0	159 W	38	71
3 17	12 12.48	− 5 47.4	2.384	3.369	2.9	22.8	170 W	39	70
3 27	12 4.14	− 4 46.6	2.392	3.387	1.5	22.7	175 E	40	69
4 6	11 56.21	− 3 44.9	2.430	3.404	4.6	23.0	164 E	41	68
4 16	11 49.34	− 2 47.4	2.498	3.419	7.8	23.2	153 E	42	67

409034 2003 MA_{2}

3 7	12 20.99	−26 51.4	2.050	2.908	11.7	22.5	143 W	18	89
3 12	12 16.51	−26 51.2	2.008	2.895	10.6	22.4	148 W	18	89
3 17	12 11.65	−26 44.1	1.971	2.883	9.6	22.3	151 W	18	89
3 22	12 6.54	−26 30.1	1.941	2.870	8.7	22.2	154 W	18	89
3 27	12 1.31	−26 9.5	1.918	2.857	8.2	22.2	156 E	19	90
4 1	11 56.09	−25 42.6	1.902	2.844	8.2	22.1	156 E	19	90
4 6	11 51.04	−25 10.1	1.892	2.831	8.6	22.1	155 E	20	89
4 11	11 46.26	−24 32.8	1.889	2.817	9.4	22.2	153 E	20	89
4 16	11 41.90	−23 51.9	1.893	2.804	10.5	22.2	149 E	21	88
4 21	11 38.05	−23 8.4	1.902	2.790	11.8	22.2	146 E	22	87

388259 2006 QF_{1}

3 7	12 21.22	− 2 43.9	1.981	2.934	6.5	22.5	160 W	42	67
3 17	12 11.75	− 1 43.9	1.958	2.948	2.4	22.3	173 W	43	66
3 27	12 1.87	− 0 40.5	1.966	2.960	1.9	22.3	174 E	44	65
4 6	11 52.51	+ 0 19.9	2.003	2.971	6.0	22.5	162 E	45	64
4 16	11 44.51	+ 1 11.9	2.070	2.981	9.7	22.8	150 E	46	63

199801 2007 AE_{12}

3 7	12 25.29	− 6 35.7	1.367	2.316	9.4	22.4	158 W	38	71
3 17	12 12.08	− 5 16.8	1.286	2.273	4.0	22.0	171 W	40	69
3 27	11 56.96	− 3 39.2	1.234	2.228	2.9	21.8	173 E	41	68
4 6	11 41.54	− 1 53.2	1.212	2.179	9.0	22.0	160 E	43	66
4 16	11 27.60	− 0 11.2	1.218	2.128	15.1	22.2	147 E	45	64

527115 2007 TD_{14}

3 7	12 30.21	− 4 0.0	1.757	2.702	8.0	22.8	158 W	41	68
3 17	12 21.39	− 2 48.6	1.672	2.658	3.6	22.5	170 W	42	67
3 27	12 11.22	− 1 26.2	1.616	2.612	1.2	22.2	177 E	44	65
4 6	12 0.73	− 0 0.4	1.589	2.566	6.2	22.4	164 E	45	64
4 16	11 51.08	+ 1 20.2	1.590	2.518	11.0	22.6	151 E	46	63

541067 2018 LX_{4}

3 7	12 31.14	− 2 50.8	2.057	3.001	7.1	23.2	158 W	42	67
3 17	12 21.62	− 2 26.9	1.991	2.976	3.2	22.9	170 W	43	66
3 27	12 11.08	− 1 58.0	1.954	2.951	1.0	22.7	177 E	43	66
4 6	12 0.49	− 1 28.7	1.948	2.924	5.2	22.9	165 E	44	65
4 16	11 50.82	− 1 3.7	1.971	2.897	9.3	23.1	152 E	44	65

504505 2008 MH_{1}

3 7	12 32.92	−14 9.1	2.112	3.022	9.0	22.9	152 W	31	78
3 17	12 23.94	−13 43.4	2.005	2.968	5.9	22.6	162 W	31	78
3 27	12 13.58	−13 0.4	1.927	2.913	3.7	22.4	169 E	32	77
4 6	12 2.74	−12 3.4	1.879	2.857	5.2	22.4	165 E	33	76
4 16	11 52.45	−10 57.9	1.861	2.800	8.9	22.5	154 E	34	75

422743 2001 SU_{111}

3 7	12 35.51	−11 9.4	2.899	3.810	6.8	23.0	153 W	34	75
3 17	12 28.30	−10 26.2	2.835	3.802	4.1	22.8	164 W	35	74
3 27	12 20.43	− 9 33.5	2.801	3.793	1.9	22.7	173 E	35	74
4 6	12 12.54	− 8 35.1	2.798	3.783	3.1	22.7	168 E	36	73
4 16	12 5.22	− 7 35.3	2.826	3.772	5.9	22.9	157 E	37	72

436035 2009 KJ_{22}

3 7	12 35.93	−13 55.6	1.147	2.073	13.3	22.7	151 W	31	78
3 17	12 26.92	−13 19.3	1.049	2.020	8.7	22.2	162 W	32	77
3 27	12 15.28	−12 11.7	0.975	1.965	5.0	21.8	170 E	33	76
4 6	12 2.44	−10 36.9	0.926	1.910	7.6	21.8	165 E	34	75
4 16	11 50.25	− 8 45.3	0.900	1.854	13.8	21.9	154 E	36	73

490354 2009 FF_{19}

3 7	12 36.48	− 2 24.6	0.640	1.601	14.0	22.2	157 W	43	66
3 17	12 18.29	− 0 19.9	0.577	1.568	5.2	21.5	172 W	45	64
3 27	11 55.34	+ 2 13.2	0.537	1.531	5.4	21.3	172 E	47	62
4 6	11 31.00	+ 4 49.4	0.522	1.490	16.3	21.6	155 E	50	59
4 16	11 9.30	+ 7 1.1	0.526	1.445	26.7	21.9	140 E	52	57

184346 2005 HF_{6}

3 7	12 40.84	− 0 52.5	2.695	3.627	6.3	21.3	156 W	44	65
3 17	12 33.79	+ 0 9.8	2.653	3.632	3.2	21.1	168 W	45	64
3 27	12 26.08	+ 1 14.1	2.640	3.637	1.0	21.0	176 W	46	63
4 6	12 18.35	+ 2 15.8	2.659	3.640	3.6	21.2	167 E	47	62
4 16	12 11.23	+ 3 10.3	2.708	3.643	6.7	21.4	155 E	48	61
4 26	12 5.27	+ 3 54.3	2.785	3.645	9.4	21.6	144 E	49	60

489216 2006 KR_{20}

3 7	12 43.14	−10 27.2	0.964	1.898	14.3	21.5	152 W	35	74
3 17	12 36.37	− 9 45.7	0.881	1.856	8.9	21.1	163 W	35	74
3 27	12 26.90	− 8 35.8	0.819	1.814	3.4	20.6	174 W	36	73
4 6	12 16.15	− 7 4.3	0.779	1.772	6.1	20.6	169 E	38	71
4 16	12 6.00	− 5 23.5	0.761	1.731	13.0	20.8	157 E	40	69
4 26	11 58.40	− 3 49.5	0.763	1.690	19.8	20.9	145 E	41	68
5 6	11 54.64	− 2 35.5	0.779	1.650	25.9	21.1	134 E	42	67
5 16	11 55.33	− 1 49.4	0.807	1.612	31.1	21.3	125 E	43	66
5 26	12 0.53	− 1 34.2	0.841	1.575	35.3	21.5	116 E	43*	66

271271 2003 UW_{190}

3 7	12 43.43	− 4 53.5	1.678	2.608	9.4	21.5	154 W	40	69
3 17	12 35.10	− 3 45.9	1.618	2.596	5.0	21.2	167 W	41	68
3 27	12 25.46	− 2 28.6	1.586	2.583	0.2	20.8	179 W	43	66
4 6	12 15.58	− 1 9.3	1.582	2.569	4.7	21.1	168 E	44	65
4 16	12 6.57	+ 0 3.7	1.607	2.555	9.4	21.4	156 E	45	64
4 26	11 59.42	+ 1 3.4	1.657	2.539	13.6	21.6	144 E	46	63

439914 2001 OF_{30}

3 7	12 43.53	− 4 1.2	1.984	2.913	8.4	22.5	155 W	41	68
3 17	12 35.04	− 3 16.0	1.924	2.902	4.4	22.2	167 W	42	67
3 27	12 25.43	− 2 24.2	1.892	2.889	0.2	21.8	179 W	43	66
4 6	12 15.63	− 1 31.2	1.890	2.876	4.1	22.1	168 E	43	66
4 16	12 6.59	− 0 43.0	1.917	2.862	8.2	22.4	156 E	44	65

332136 2005 WT_{110}

3 7	12 43.90	−13 23.2	1.802	2.707	10.6	21.6	150 W	32	77
3 17	12 35.65	−12 39.1	1.718	2.680	6.8	21.3	161 W	32	77
3 27	12 25.93	−11 36.1	1.662	2.652	3.4	21.1	171 W	33	76
4 6	12 15.74	−10 19.3	1.634	2.622	4.4	21.0	168 E	35	74
4 16	12 6.21	− 8 56.1	1.635	2.592	8.4	21.2	158 E	36	73
4 26	11 58.36	− 7 35.4	1.662	2.560	12.6	21.4	146 E	37	72

363368 2002 TJ_{52}

3 7	12 44.04	−10 44.2	2.597	3.501	7.8	22.2	152 W	34	75
3 17	12 36.81	− 9 59.4	2.535	3.499	4.8	22.0	163 W	35	74
3 27	12 28.76	− 9 4.3	2.502	3.495	1.9	21.8	173 W	36	73
4 6	12 20.57	− 8 3.3	2.500	3.490	2.8	21.9	170 E	37	72
4 16	12 12.95	− 7 1.3	2.528	3.485	5.9	22.1	159 E	38	71
4 26	12 6.50	− 6 3.1	2.585	3.478	8.9	22.3	148 E	39	70

217262 2003 YN_{3}

3 7	12 46.12	−14 35.8	1.944	2.840	10.4	21.4	149 W	30	79
3 17	12 37.25	−14 3.0	1.889	2.845	6.9	21.2	160 W	31	78
3 27	12 27.26	−13 13.5	1.863	2.849	3.8	21.0	169 W	32	77
4 6	12 17.15	−12 12.3	1.865	2.851	4.2	21.0	168 E	33	76
4 16	12 7.92	−11 5.7	1.896	2.853	7.5	21.2	158 E	34	75
4 26	12 0.42	−10 1.1	1.955	2.853	11.0	21.4	147 E	35	74

347375 2012 RL_{12}

3 7	12 46.57	− 3 10.1	1.596	2.527	9.8	21.3	154 W	42	67
3 17	12 37.30	− 2 36.4	1.525	2.504	5.3	20.9	167 W	42	67
3 27	12 26.37	− 1 55.2	1.481	2.479	0.4	20.5	179 W	43	66
4 6	12 14.95	− 1 12.8	1.466	2.453	5.0	20.8	168 E	44	65
4 16	12 4.32	− 0 35.8	1.478	2.427	10.0	21.0	155 E	44	65
4 26	11 55.63	− 0 10.1	1.515	2.399	14.5	21.2	143 E	45	64
5 6	11 49.63	+ 0 0.5	1.572	2.371	18.4	21.4	132 E	45	64

276620 2003 UV_{116}

3 7	12 48.82	− 4 41.3	1.772	2.696	9.5	22.1	153 W	40	69
3 17	12 40.66	− 3 31.3	1.719	2.694	5.3	21.9	166 W	41	68
3 27	12 31.26	− 2 13.0	1.694	2.692	0.8	21.5	178 W	43	66
4 6	12 21.63	− 0 53.8	1.699	2.688	4.0	21.8	169 E	44	65
4 16	12 12.81	+ 0 18.6	1.732	2.684	8.5	22.0	157 E	45	64
4 26	12 5.70	+ 1 17.6	1.791	2.679	12.4	22.2	145 E	46	63

338214 2002 SO_{59}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
3 7	12 49.30	+ 5 41.1	1.881	2.813	8.5	21.5	155 W	51	58
3 12	12 45.22	+ 6 12.6	1.854	2.811	6.7	21.4	161 W	51	58
3 17	12 40.73	+ 6 44.1	1.835	2.809	5.1	21.3	165 W	52	57
3 22	12 35.94	+ 7 14.9	1.822	2.807	3.9	21.2	169 W	52	57
3 27	12 30.97	+ 7 43.9	1.817	2.804	3.7	21.2	170 W	53	56
4 1	12 25.96	+ 8 10.4	1.819	2.802	4.7	21.2	167 E	53	56
4 6	12 21.02	+ 8 33.6	1.829	2.799	6.2	21.3	162 E	54	55
4 11	12 16.29	+ 8 53.0	1.845	2.795	8.0	21.4	157 E	54	55
4 16	12 11.88	+ 9 8.0	1.868	2.792	9.8	21.5	152 E	54	55
4 21	12 7.89	+ 9 18.3	1.897	2.788	11.6	21.6	146 E	54	55
4 26	12 4.40	+ 9 23.9	1.932	2.784	13.2	21.7	141 E	54	55

441622 2008 UP_{366}

3 7	12 50.42	− 0 27.3	2.050	2.975	8.4	22.2	154 W	45	64
3 17	12 42.44	+ 0 26.9	1.990	2.966	4.7	22.0	166 W	45	64
3 27	12 33.27	+ 1 24.3	1.960	2.955	1.6	21.7	175 W	46	63
4 6	12 23.81	+ 2 19.1	1.959	2.944	4.2	21.9	168 E	47	62
4 16	12 14.96	+ 3 5.6	1.988	2.933	8.0	22.1	156 E	48	61
4 26	12 7.55	+ 3 39.3	2.042	2.920	11.6	22.3	144 E	49	60

438035 2004 HT_3

3 7	12 53.22	+ 2 27.0	1.871	2.797	8.9	21.6	154 W	47	62
3 17	12 44.37	+ 3 7.4	1.806	2.781	5.2	21.3	165 W	48	61
3 27	12 34.10	+ 3 48.3	1.771	2.764	2.5	21.1	173 W	49	60
4 6	12 23.39	+ 4 23.5	1.764	2.746	5.1	21.2	166 E	49	60
4 16	12 13.31	+ 4 48.0	1.787	2.727	9.1	21.4	155 E	50	59
4 26	12 4.83	+ 4 58.0	1.834	2.707	12.9	21.6	143 E	50	59

402308 2005 TS_{50}

3 7	12 54.84	−14 53.8	2.523	3.398	9.2	22.5	147 W	30	79
3 17	12 46.86	−14 34.2	2.485	3.428	6.2	22.3	158 W	30	79
3 27	12 38.05	−14 2.3	2.476	3.458	3.5	22.2	168 W	31	78
4 6	12 29.15	−13 21.4	2.497	3.487	2.9	22.2	170 E	32	77
4 16	12 20.89	−12 35.9	2.549	3.514	5.2	22.4	161 E	32	77

480927 2002 YZ_3

3 7	12 54.87	−15 49.0	1.945	2.825	11.2	22.5	146 W	29	80
3 17	12 42.04	−15 32.3	1.820	2.768	7.7	22.2	158 W	29	80
3 27	12 26.72	−14 53.9	1.726	2.709	4.6	21.8	168 W	30	79
4 6	12 10.02	−13 55.1	1.665	2.646	5.4	21.8	166 E	31	78
4 16	11 53.42	−12 41.3	1.637	2.580	9.6	21.9	155 E	32	77
4 26	11 38.43	−11 21.3	1.640	2.511	14.3	22.0	142 E	34	75

350713 2001 XP_{88}

3 7	12 55.74	+11 39.6	0.660	1.608	16.2	21.6	153 W	57	52
3 12	12 49.28	+12 56.0	0.645	1.609	13.5	21.5	158 W	58	51
3 17	12 41.77	+14 10.0	0.635	1.609	11.4	21.3	161 W	59	50
3 22	12 33.50	+15 18.0	0.630	1.609	10.6	21.3	163 W	60	49
3 27	12 24.83	+16 16.7	0.631	1.608	11.5	21.3	161 W	61	48
4 1	12 16.17	+17 3.8	0.637	1.607	13.7	21.4	158 E	62	47
4 6	12 7.89	+17 37.5	0.648	1.605	16.5	21.6	153 E	63	46
4 11	12 0.35	+17 57.2	0.664	1.602	19.6	21.7	148 E	63	46
4 16	11 53.81	+18 3.1	0.683	1.599	22.6	21.9	142 E	63	46
4 21	11 48.49	+17 56.0	0.706	1.596	25.5	22.0	137 E	63	46
4 26	11 44.47	+17 37.3	0.733	1.592	28.1	22.2	132 E	63	46

351549 2005 TJ_{73}

3 7	12 56.90	+ 1 0.0	1.954	2.873	9.1	22.4	153 W	46	63
3 17	12 49.39	+ 2 16.9	1.892	2.862	5.4	22.1	164 W	47	62
3 27	12 40.53	+ 3 36.8	1.858	2.850	2.6	21.9	172 W	49	60
4 6	12 31.20	+ 4 52.5	1.854	2.837	4.6	22.0	167 E	50	59
4 16	12 22.35	+ 5 56.9	1.879	2.823	8.4	22.2	156 E	51	58
4 26	12 14.87	+ 6 44.9	1.929	2.808	12.1	22.4	144 E	52	57

243025 2006 UM_{216}

3 7	12 57.18	−25 2.5	2.877	3.691	10.0	21.8	140 W	20	89
3 17	12 49.59	−24 34.1	2.825	3.718	7.7	21.7	150 W	20	89
3 27	12 41.17	−23 48.0	2.799	3.744	5.7	21.6	158 W	21	88
4 6	12 32.59	−22 47.0	2.803	3.769	4.6	21.5	162 E	22	87
4 16	12 24.55	−21 35.3	2.838	3.793	5.4	21.6	159 E	23	86
4 26	12 17.65	−20 18.6	2.902	3.816	7.2	21.8	151 E	25	84

279893 2001 QZ_{136}

3 7	12 57.65	−12 15.3	2.147	3.034	10.0	21.3	148 W	33	76
3 17	12 50.20	−11 25.3	2.083	3.036	6.6	21.1	160 W	34	75
3 27	12 41.55	−10 21.6	2.047	3.037	3.0	20.9	171 W	35	74
4 6	12 32.52	− 9 9.2	2.041	3.037	2.4	20.8	173 E	36	73
4 16	12 23.98	− 7 54.3	2.065	3.036	5.8	21.0	162 E	37	72
4 26	12 16.76	− 6 43.5	2.117	3.034	9.4	21.3	151 E	38	71
5 6	12 11.38	− 5 42.4	2.194	3.031	12.5	21.5	139 E	39	70

363792 2005 JN_{121}

3 7	12 57.72	+ 2 17.8	1.257	2.187	11.9	21.8	153 W	47	62
3 12	12 53.82	+ 2 55.6	1.222	2.178	9.6	21.7	159 W	48	61
3 17	12 49.22	+ 3 35.5	1.193	2.167	7.2	21.5	164 W	49	60
3 22	12 44.07	+ 4 16.4	1.171	2.157	5.0	21.3	169 W	49	60
3 27	12 38.50	+ 4 56.9	1.155	2.147	3.9	21.2	172 W	50	59
4 1	12 32.72	+ 5 35.4	1.145	2.136	4.8	21.3	170 E	51	58
4 6	12 26.91	+ 6 10.7	1.142	2.125	7.0	21.3	165 E	51	58
4 11	12 21.26	+ 6 41.6	1.146	2.114	9.6	21.4	160 E	52	57
4 16	12 15.99	+ 7 6.8	1.155	2.102	12.2	21.6	154 E	52	57
4 21	12 11.26	+ 7 25.8	1.170	2.091	14.8	21.7	148 E	52	57
4 26	12 7.21	+ 7 38.1	1.190	2.079	17.2	21.8	142 E	53	56

487613 2015 MB_{60}

3 7	12 57.94	−38 23.7	2.096	2.833	15.7	21.8	130 W	7	78
3 12	12 53.68	−38 36.9	2.054	2.832	14.7	21.7	134 W	6	77
3 17	12 48.86	−38 42.2	2.017	2.830	13.8	21.7	137 W	6	77
3 22	12 43.59	−38 39.2	1.985	2.829	12.9	21.6	141 W	6	77
3 27	12 38.01	−38 27.6	1.959	2.827	12.0	21.5	144 W	7	78
4 1	12 32.26	−38 7.3	1.938	2.824	11.3	21.5	146 E	7	78
4 6	12 26.51	−37 38.6	1.924	2.822	10.9	21.5	148 E	7	78
4 11	12 20.93	−37 2.0	1.916	2.819	10.7	21.4	148 E	8	79
4 16	12 15.67	−36 18.3	1.914	2.816	10.9	21.4	148 E	9	80
4 21	12 10.87	−35 28.9	1.919	2.813	11.3	21.5	147 E	10	81
4 26	12 6.64	−34 34.9	1.929	2.809	12.0	21.5	144 E	10	81

396605 2001 RC_{18}

3 7	13 0.18	+12 29.2	2.318	3.227	8.3	21.5	152 W	57	52
3 12	12 55.55	+12 43.6	2.278	3.214	7.1	21.4	156 W	58	51
3 17	12 50.48	+12 56.4	2.246	3.201	6.0	21.4	160 W	58	51
3 22	12 45.06	+13 7.0	2.221	3.187	5.2	21.3	163 W	58	51
3 27	12 39.40	+13 14.8	2.203	3.173	5.0	21.2	164 W	58	51
4 1	12 33.60	+13 19.1	2.194	3.160	5.6	21.3	162 E	58	51
4 6	12 27.80	+13 19.5	2.191	3.145	6.6	21.3	159 E	58	51
4 11	12 22.11	+13 15.7	2.197	3.131	7.9	21.3	154 E	58	51
4 16	12 16.65	+13 7.5	2.209	3.116	9.4	21.4	150 E	58	51
4 21	12 11.53	+12 54.8	2.229	3.102	10.9	21.5	144 E	58	51
4 26	12 6.83	+12 37.8	2.254	3.087	12.3	21.5	139 E	58	51

509529 2007 YG_1

3 7	13 1.07	−28 48.3	1.439	2.265	17.5	21.8	137 W	16	87
3 12	12 56.29	−29 11.0	1.398	2.259	16.0	21.7	141 W	16	87
3 17	12 50.71	−29 25.5	1.361	2.253	14.5	21.5	146 W	16	87
3 22	12 44.45	−29 30.9	1.330	2.246	13.0	21.4	149 W	15	86
3 27	12 37.69	−29 26.9	1.305	2.239	11.8	21.3	153 W	16	87
4 1	12 30.63	−29 13.3	1.285	2.232	10.9	21.3	155 E	16	87
4 6	12 23.49	−28 50.2	1.272	2.224	10.6	21.2	156 E	16	87
4 11	12 16.52	−28 18.5	1.265	2.216	10.9	21.2	155 E	17	88
4 16	12 9.93	−27 39.3	1.265	2.207	11.9	21.2	153 E	17	88
4 21	12 3.95	−26 54.4	1.270	2.198	13.3	21.3	150 E	18	89
4 26	11 58.73	−26 5.5	1.282	2.189	14.9	21.4	146 E	19	90
5 1	11 54.39	−25 14.6	1.298	2.180	16.7	21.4	142 E	20	89

354503 2004 PN_{16}

3 7	13 1.11	−11 4.4	2.195	3.080	9.9	21.9	148 W	34	75
3 17	12 53.22	−10 38.0	2.132	3.083	6.5	21.7	159 W	34	75
3 27	12 44.08	−10 0.0	2.097	3.086	3.0	21.5	171 W	35	74
4 6	12 34.51	− 9 14.2	2.091	3.087	2.2	21.4	173 E	36	73
4 16	12 25.40	− 8 25.5	2.116	3.087	5.6	21.6	162 E	37	72
4 26	12 17.56	− 7 39.5	2.168	3.087	9.1	21.8	151 E	37	72

370037 2000 SV_{20}

3 7	13 1.51	− 8 38.8	1.080	1.996	14.9	21.5	149 W	36	73
3 17	12 43.45	− 9 36.7	1.055	2.024	8.7	21.2	162 W	35	74
3 27	12 23.50	−10 15.9	1.058	2.051	3.8	21.0	172 W	35	74
4 6	12 4.14	−10 38.5	1.091	2.075	6.9	21.3	166 E	34	75
4 16	11 47.58	−10 49.9	1.152	2.098	12.4	21.7	153 E	34	75
4 26	11 35.21	−10 58.1	1.238	2.118	17.3	22.0	141 E	34	75

281365 2008 CM_{116}

3 7	13 3.76	−10 36.4	1.718	2.610	11.8	21.4	147 W	34	75
3 17	12 50.69	−10 12.4	1.626	2.584	7.5	21.1	160 W	35	74
3 27	12 35.24	− 9 31.4	1.564	2.556	3.0	20.7	172 W	35	74
4 6	12 18.72	− 8 37.7	1.535	2.525	4.1	20.7	170 E	36	73
4 16	12 2.71	− 7 38.0	1.538	2.492	9.1	20.9	157 E	37	72
4 26	11 48.72	− 6 40.9	1.570	2.455	14.0	21.1	144 E	38	71
5 6	11 37.75	− 5 53.8	1.626	2.415	18.3	21.3	131 E	39	70
5 16	11 30.26	− 5 21.4	1.699	2.372	21.7	21.5	120 E	40*	69

484616 2008 SY_{105}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
3 7	13 5.44	− 3 45.9	1.902	2.804	10.3	21.9	150 W	41	68
3 17	12 57.83	− 2 36.5	1.868	2.830	6.3	21.7	162 W	42	67
3 27	12 49.00	− 1 21.8	1.861	2.855	2.3	21.5	173 W	44	65
4 6	12 39.87	− 0 8.7	1.885	2.879	2.7	21.6	172 E	45	64
4 16	12 31.37	+ 0 56.2	1.937	2.903	6.6	21.9	160 E	46	63
4 26	12 24.31	+ 1 47.7	2.017	2.925	10.2	22.1	149 E	47	62

25872 2000 MV_1

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
3 7	13 6.85	− 5 47.4	1.652	2.553	11.7	21.7	149 W	39	70
3 17	12 59.43	− 4 38.7	1.563	2.524	7.5	21.4	161 W	40	69
3 27	12 49.95	− 3 16.2	1.500	2.493	2.7	21.1	173 W	42	67
4 6	12 39.36	− 1 46.9	1.465	2.462	2.7	21.0	173 E	43	66
4 16	12 28.85	− 0 20.0	1.459	2.429	7.9	21.2	161 E	45	64
4 26	12 19.67	+ 0 55.4	1.480	2.395	12.7	21.4	148 E	46	63

105208 2000 OH_{48}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
3 7	13 7.27	− 6 13.6	1.685	2.584	11.6	21.3	148 W	39	70
3 17	12 59.41	− 5 30.6	1.610	2.570	7.4	21.0	161 W	39	70
3 27	12 49.66	− 4 36.4	1.561	2.554	2.7	20.7	173 W	40	69
4 6	12 39.02	− 3 37.0	1.540	2.538	2.3	20.6	174 E	41	68
4 16	12 28.66	− 2 39.5	1.548	2.521	7.2	20.9	162 E	42	67
4 26	12 19.74	− 1 51.1	1.583	2.503	11.8	21.1	150 E	43	66
5 6	12 13.09	− 1 16.9	1.639	2.483	15.7	21.3	138 E	44	65
5 16	12 9.16	− 0 59.7	1.714	2.463	19.0	21.5	127 E	44	65

399613 2004 BQ_{65}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
3 7	13 8.31	+ 1 28.6	2.455	3.352	8.5	22.1	150 W	46	63
3 17	13 1.42	+ 2 28.0	2.404	3.361	5.5	21.9	161 W	47	62
3 27	12 53.42	+ 3 28.4	2.382	3.370	2.8	21.7	170 W	48	61
4 6	12 44.99	+ 4 24.5	2.390	3.377	3.3	21.8	169 E	49	60
4 16	12 36.86	+ 5 11.7	2.429	3.384	6.2	22.0	159 E	50	59
4 26	12 29.73	+ 5 46.3	2.495	3.390	9.1	22.1	148 E	51	58

112464 2002 OQ_{13}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
3 7	13 8.69	−13 1.3	2.020	2.891	11.3	21.4	145 W	32	77
3 17	13 1.36	−12 14.6	1.949	2.891	7.8	21.2	157 W	33	76
3 27	12 52.52	−11 12.6	1.906	2.891	3.9	21.0	169 W	34	75
4 6	12 43.03	− 9 59.8	1.892	2.889	1.9	20.8	175 E	35	74
4 16	12 33.85	− 8 42.9	1.907	2.887	5.3	21.0	165 E	36	73
4 26	12 25.91	− 7 28.9	1.951	2.883	9.2	21.3	153 E	38	71
5 6	12 19.84	− 6 24.3	2.019	2.878	12.6	21.5	142 E	39	70

434882 2006 SM_{356}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
3 7	13 10.26	− 3 52.1	1.676	2.574	11.6	22.2	149 W	41	68
3 17	13 3.02	− 2 52.5	1.601	2.560	7.5	21.9	160 W	42	67
3 27	12 53.87	− 1 43.4	1.552	2.544	3.0	21.6	172 W	43	66
4 6	12 43.77	− 0 31.9	1.532	2.528	2.8	21.5	173 E	44	65
4 16	12 33.85	+ 0 34.0	1.540	2.511	7.4	21.8	161 E	46	63
4 26	12 25.26	+ 1 27.1	1.574	2.493	11.9	22.0	149 E	46	63

523788 2015 FP_{118}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
3 7	13 10.46	− 8 53.0	1.250	2.149	14.7	22.4	147 W	36	73
3 17	13 3.04	− 7 59.6	1.125	2.084	10.0	21.9	159 W	37	72
3 27	12 52.09	− 6 39.7	1.025	2.017	4.1	21.3	172 W	38	71
4 6	12 38.38	− 4 57.1	0.949	1.948	2.8	21.0	175 E	40	69
4 16	12 23.43	− 3 1.2	0.901	1.877	10.2	21.2	161 E	42	67
4 26	12 9.30	− 1 7.2	0.876	1.804	17.7	21.3	147 E	44	65
5 6	11 57.88	+ 0 30.6	0.870	1.730	24.8	21.4	134 E	46	63

248920 2006 VS_{133}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
3 7	13 11.07	+ 0 58.4	2.536	3.427	8.5	21.7	149 W	46	63
3 17	13 3.92	+ 1 44.2	2.492	3.447	5.5	21.5	161 W	47	62
3 27	12 55.71	+ 2 30.7	2.477	3.465	2.7	21.4	170 W	48	61
4 6	12 47.12	+ 3 13.6	2.493	3.483	2.9	21.4	170 E	48	61
4 16	12 38.87	+ 3 48.8	2.540	3.500	5.6	21.6	160 E	49	60
4 26	12 31.60	+ 4 13.1	2.614	3.516	8.4	21.8	149 E	49	60

518434 2003 PB_8

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
3 7	13 12.57	+ 2 13.9	2.368	3.260	9.0	22.1	149 W	47	62
3 17	13 5.99	+ 3 25.5	2.308	3.261	6.0	22.0	160 W	48	61
3 27	12 58.15	+ 4 38.3	2.277	3.261	3.4	21.8	169 W	50	59
4 6	12 49.73	+ 5 46.4	2.276	3.261	3.8	21.8	168 E	51	58
4 16	12 41.48	+ 6 44.3	2.305	3.259	6.5	22.0	158 E	52	57
4 26	12 34.17	+ 7 27.9	2.361	3.256	9.5	22.2	148 E	52	57

345106 2005 OS_4

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
3 7	13 13.15	+ 2 37.5	1.820	2.719	10.8	21.5	149 W	48	61
3 17	13 5.99	+ 3 45.1	1.747	2.704	7.2	21.2	160 W	49	60
3 27	12 57.01	+ 4 54.9	1.702	2.687	4.2	21.0	169 W	50	59
4 6	12 47.10	+ 5 59.5	1.685	2.670	4.7	21.0	167 E	51	58
4 16	12 37.32	+ 6 51.6	1.696	2.652	8.3	21.1	158 E	52	57
4 26	12 28.72	+ 7 25.9	1.733	2.633	12.1	21.3	147 E	52	57

434176 2002 UA

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
3 7	13 14.13	+20 52.3	2.076	2.952	10.8	22.4	146 W	66	43
3 12	13 9.73	+21 25.0	2.048	2.947	9.9	22.3	149 W	66	43
3 17	13 4.81	+21 54.6	2.026	2.942	9.1	22.3	152 W	67	42
3 22	12 59.48	+22 20.1	2.011	2.937	8.7	22.2	154 W	67	42
3 27	12 53.85	+22 40.6	2.003	2.932	8.7	22.2	154 W	68	41
4 1	12 48.06	+22 55.2	2.003	2.926	9.0	22.2	153 W	68	41
4 6	12 42.23	+23 3.5	2.008	2.920	9.8	22.3	150 E	68	41
4 11	12 36.51	+23 5.0	2.021	2.914	10.8	22.3	147 E	68	41
4 16	12 31.03	+22 59.6	2.040	2.907	11.9	22.4	143 E	68	41
4 21	12 25.92	+22 47.4	2.065	2.900	13.1	22.5	139 E	68	41

533609 2014 KS_{38}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
3 7	13 14.83	−14 40.3	1.559	2.426	14.2	21.7	143 W	30	79
3 17	13 9.90	−12 58.7	1.456	2.394	10.2	21.4	155 W	32	77
3 27	13 2.75	−10 46.9	1.377	2.361	5.4	21.0	167 W	34	75
4 6	12 54.20	− 8 11.5	1.327	2.327	1.0	20.6	178 E	37	72
4 16	12 45.39	− 5 24.3	1.305	2.293	5.8	20.8	167 E	40	69
4 26	12 37.59	− 2 40.6	1.311	2.258	11.3	21.1	154 E	42	67
5 6	12 31.82	− 0 14.1	1.341	2.224	16.3	21.2	142 E	45	64
5 16	12 28.76	+ 1 45.8	1.391	2.189	20.5	21.4	131 E	47	62

439313 2012 VE_{82}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
3 7	13 15.65	+11 2.2	1.053	1.968	15.3	22.0	148 W	56	53
3 12	13 13.07	+12 16.3	0.996	1.933	13.7	21.8	153 W	57	52
3 17	13 9.44	+13 35.7	0.945	1.898	12.2	21.6	156 W	59	50
3 22	13 4.78	+14 58.5	0.899	1.863	11.3	21.4	159 W	60	49
3 27	12 59.15	+16 22.5	0.860	1.827	11.2	21.3	159 W	61	48
4 1	12 52.65	+17 45.0	0.826	1.791	12.3	21.2	158 W	63	46
4 6	12 45.43	+19 3.2	0.797	1.754	14.3	21.1	154 E	64	45
4 11	12 37.73	+20 14.0	0.775	1.717	17.0	21.1	150 E	65	44
4 16	12 29.83	+21 14.6	0.757	1.680	20.2	21.1	145 E	66	43
4 21	12 22.05	+22 2.8	0.744	1.642	23.5	21.1	139 E	67	42
4 26	12 14.70	+22 37.2	0.734	1.604	27.0	21.2	134 E	68	41
5 1	12 8.04	+22 57.2	0.728	1.566	30.4	21.2	128 E	68	41
5 6	12 2.30	+23 3.0	0.724	1.527	33.7	21.2	123 E	68	41
5 11	11 57.66	+22 54.9	0.722	1.489	36.9	21.3	118 E	68	41
5 16	11 54.25	+22 33.7	0.721	1.451	40.0	21.3	113 E	68	41
5 21	11 52.11	+22 0.5	0.720	1.412	42.9	21.3	108 E	67*	42
5 26	11 51.25	+21 16.3	0.718	1.374	45.7	21.3	104 E	65*	43
5 31	11 51.63	+20 22.0	0.716	1.336	48.4	21.3	100 E	63*	44
6 5	11 53.21	+19 18.3	0.712	1.299	51.0	21.3	96 E	60*	45
6 10	11 55.92	+18 5.5	0.707	1.262	53.5	21.3	93 E	56*	46
6 15	11 59.72	+16 44.0	0.700	1.226	55.9	21.3	89 E	52*	47
6 20	12 4.53	+15 13.8	0.690	1.192	58.3	21.3	86 E	49*	49
6 25	12 10.27	+13 35.0	0.678	1.158	60.7	21.2	84 E	45*	50
6 30	12 16.89	+11 47.2	0.664	1.126	63.2	21.2	81 E	42*	52
7 5	12 24.35	+ 9 50.0	0.648	1.096	65.6	21.2	79 E	39*	54*
7 10	12 32.62	+ 7 42.5	0.629	1.068	68.1	21.1	77 E	36*	56*
7 15	12 41.69	+ 5 23.9	0.608	1.042	70.5	21.1	75 E	33*	57*
7 20	12 51.57	+ 2 53.2	0.585	1.020	73.0	21.0	74 E	30*	59*
7 25	13 2.25	+ 0 9.1	0.560	1.000	75.4	21.0	72 E	27*	60*
7 30	13 13.83	− 2 49.9	0.534	0.985	77.7	20.9	71 E	25*	61*
8 4	13 26.41	− 6 5.6	0.507	0.973	79.9	20.9	71 E	22*	62*
8 9	13 40.21	− 9 40.1	0.479	0.965	81.7	20.8	70 E	19*	63*
8 14	13 55.51	−13 35.0	0.452	0.962	83.2	20.7	70 E	17*	64*
8 19	14 12.73	−17 51.7	0.426	0.962	84.1	20.6	71 E	14*	65*
8 24	14 32.43	−22 29.9	0.402	0.968	84.4	20.5	72 E	11*	66*
8 29	14 55.45	−27 26.8	0.381	0.977	83.8	20.4	74 E	8*	67*
9 3	15 22.88	−32 35.1	0.364	0.990	82.4	20.3	77 E	5*	68*
9 5	15 35.38	−34 38.7	0.358	0.997	81.5	20.2	78 E	4*	68*
9 7	15 48.87	−36 40.7	0.353	1.004	80.5	20.2	79 E	3*	68*
9 9	16 3.44	−38 39.4	0.349	1.011	79.4	20.1	81 E	2*	69*
9 11	16 19.15	−40 33.3	0.346	1.020	78.1	20.1	82 E	1*	69*
9 13	16 36.04	−42 20.4	0.344	1.028	76.7	20.0	84 E	—	69*
9 15	16 54.10	−43 58.6	0.343	1.037	75.2	20.0	86 E	—	69*
9 17	17 13.29	−45 25.9	0.343	1.047	73.5	19.9	87 E	—	68*
9 19	17 33.48	−46 40.4	0.344	1.057	71.9	19.9	89 E	—	68*
9 21	17 54.48	−47 40.6	0.346	1.068	70.1	19.9	91 E	—	68*
9 23	18 16.06	−48 25.1	0.350	1.078	68.3	19.9	93 E	—	67*
9 24	18 26.96	−48 41.3	0.352	1.084	67.5	19.9	94 E	—	67*
9 25	18 37.90	−48 53.4	0.354	1.090	66.6	19.9	95 E	—	67
9 26	18 48.81	−49 1.4	0.357	1.095	65.7	19.9	95 E	—	67
9 27	18 59.67	−49 5.3	0.359	1.101	64.8	19.9	96 E	—	67
9 28	19 10.42	−49 5.4	0.363	1.107	63.9	19.9	97 E	—	67
9 29	19 21.05	−49 1.6	0.366	1.113	63.0	19.9	98 E	—	67
9 30	19 31.50	−48 54.2	0.370	1.119	62.1	19.9	99 E	—	67
10 1	19 41.75	−48 43.2	0.374	1.126	61.3	19.9	100 E	—	67
10 2	19 51.77	−48 29.0	0.378	1.132	60.4	19.9	100 E	—	68
10 3	20 1.54	−48 11.7	0.382	1.138	59.6	19.9	101 E	—	68

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
439313 2012 VE_{82} *(continuation)*									
10 5	20 20.26	−47 28.9	0.392	1.151	58.0	20.0	103 E	—	69
10 7	20 37.82	−46 36.5	0.403	1.164	56.4	20.0	104 E	—	69
10 9	20 54.17	−45 36.3	0.414	1.178	54.9	20.0	105 E	—	70
10 11	21 9.33	−44 30.1	0.427	1.191	53.5	20.1	106 E	—	71
10 13	21 23.35	−43 19.4	0.440	1.205	52.2	20.1	107 E	2	73
10 15	21 36.30	−42 5.4	0.455	1.219	51.0	20.2	108 E	3	74
10 17	21 48.25	−40 49.3	0.470	1.233	49.8	20.3	109 E	4	75
10 19	21 59.29	−39 32.0	0.486	1.247	48.7	20.3	110 E	5	76
10 21	22 9.51	−38 14.2	0.502	1.262	47.7	20.4	110 E	7	78
10 23	22 18.98	−36 56.5	0.520	1.277	46.7	20.5	111 E	8	79
10 25	22 27.78	−35 39.4	0.538	1.291	45.8	20.6	111 E	9	80
10 27	22 35.99	−34 23.1	0.557	1.306	45.0	20.6	112 E	11	82
10 29	22 43.67	−33 8.0	0.576	1.321	44.3	20.7	112 E	12	83
10 31	22 50.88	−31 54.2	0.596	1.336	43.6	20.8	112 E	13	84
11 2	22 57.67	−30 41.9	0.617	1.351	42.9	20.9	112 E	14	85
11 7	23 13.09	−27 48.0	0.672	1.389	41.5	21.1	112 E	17	88
11 12	23 26.77	−25 4.1	0.730	1.427	40.3	21.3	111 E	20	89
11 17	23 39.11	−22 30.3	0.792	1.466	39.3	21.5	110 E	22	87
11 22	23 50.44	−20 5.9	0.857	1.504	38.4	21.7	109 E	25	84
338085 2002 PH_{141}									
3 7	13 19.67	−17 5.4	1.964	2.805	12.9	21.6	141 W	28	81
3 17	13 12.55	−16 47.1	1.884	2.802	9.6	21.3	152 W	28	81
3 27	13 3.58	−16 10.6	1.829	2.798	6.0	21.1	163 W	29	80
4 6	12 53.61	−15 18.3	1.801	2.794	3.2	20.9	171 E	30	79
4 16	12 43.67	−14 15.1	1.802	2.788	4.8	21.0	166 E	31	78
4 26	12 34.81	−13 8.1	1.832	2.781	8.5	21.2	156 E	32	77
5 6	12 27.81	−12 4.5	1.887	2.774	12.1	21.4	145 E	33	76
528231 2008 OL_{22}									
3 7	13 20.48	−20 10.2	1.716	2.549	14.8	21.8	139 W	25	84
3 17	13 13.84	−20 13.0	1.606	2.515	11.6	21.5	150 W	25	84
3 27	13 4.69	−19 52.9	1.519	2.480	8.0	21.2	160 W	25	84
4 6	12 53.85	−19 9.4	1.458	2.444	5.2	21.0	167 E	26	83
4 16	12 42.50	−18 5.7	1.425	2.407	6.3	21.0	165 E	27	82
4 26	12 32.05	−16 49.1	1.418	2.369	10.2	21.1	155 E	28	81
5 6	12 23.68	−15 29.5	1.435	2.331	14.6	21.2	144 E	30	79
5 16	12 18.17	−14 16.1	1.473	2.291	18.6	21.4	134 E	31	78
434197 2003 HH_{49}									
3 7	13 20.66	− 7 1.4	1.491	2.374	13.9	21.7	145 W	38	71
3 17	13 14.39	− 6 3.3	1.405	2.352	9.6	21.4	157 W	39	70
3 27	13 5.69	− 4 49.6	1.342	2.329	4.7	21.1	169 W	40	69
4 6	12 55.48	− 3 27.0	1.306	2.306	1.3	20.8	177 E	42	67
4 16	12 45.01	− 2 4.7	1.297	2.281	6.5	21.1	165 E	43	66
4 26	12 35.66	− 0 52.5	1.314	2.256	11.8	21.3	153 E	44	65
5 6	12 28.52	+ 0 2.0	1.354	2.230	16.5	21.5	141 E	45	64
462801 2010 PX_{62}									
3 7	13 21.22	−11 56.4	2.652	3.496	9.8	22.4	143 W	33	76
3 17	13 14.78	−11 13.2	2.596	3.521	6.9	22.2	155 W	34	75
3 27	13 7.18	−10 20.0	2.567	3.545	3.8	22.0	167 W	35	74
4 6	12 59.04	− 9 20.4	2.569	3.568	0.8	21.8	177 E	36	73
4 16	12 51.05	− 8 18.8	2.601	3.591	3.1	22.1	169 E	37	72
4 26	12 43.87	− 7 20.1	2.664	3.612	6.2	22.3	157 E	38	71
159495 2000 UV_{16}									
3 7	13 24.21	−11 58.2	2.067	2.917	12.0	21.9	142 W	33	76
3 17	13 17.24	−11 34.7	1.951	2.878	8.7	21.6	154 W	33	76
3 27	13 8.15	−10 56.6	1.860	2.838	4.9	21.3	166 W	34	75
4 6	12 57.62	−10 6.4	1.798	2.797	1.4	21.0	176 E	35	74
4 16	12 46.60	− 9 8.4	1.766	2.755	4.4	21.1	168 E	36	73
4 26	12 36.21	− 8 9.1	1.763	2.711	8.8	21.3	156 E	37	72
5 6	12 27.42	− 7 15.3	1.786	2.666	13.0	21.4	144 E	38	71
390578 2001 PF_{16}									
3 7	13 24.24	− 9 33.2	1.923	2.783	12.3	22.4	143 W	35	74
3 17	13 17.55	− 9 5.7	1.832	2.766	8.7	22.1	155 W	36	73
3 27	13 8.85	− 8 25.7	1.767	2.748	4.6	21.8	167 W	37	72
4 6	12 58.91	− 7 36.8	1.729	2.730	0.5	21.5	179 E	37	72
4 16	12 48.75	− 6 44.5	1.721	2.710	4.5	21.7	168 E	38	71
4 26	12 39.45	− 5 55.1	1.741	2.689	8.9	22.0	156 E	39	70
278592 2008 NG_5									
3 7	13 25.64	+ 0 35.3	1.886	2.763	11.7	21.3	146 W	46	63
3 17	13 18.79	+ 1 25.0	1.800	2.743	8.2	21.0	157 W	46	63
3 27	13 9.90	+ 2 18.9	1.740	2.723	4.6	20.8	167 W	47	62
4 6	12 59.75	+ 3 10.7	1.709	2.701	3.5	20.7	170 W	48	61
4 16	12 49.37	+ 3 53.9	1.706	2.678	6.7	20.8	162 E	49	60
4 26	12 39.85	+ 4 22.8	1.731	2.654	10.7	21.0	151 E	49	60

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
278592 2008 NG_5 *(continuation)*									
5 6	12 32.08	+ 4 34.3	1.779	2.630	14.4	21.2	140 E	50	59
5 16	12 26.67	+ 4 27.3	1.847	2.604	17.6	21.3	129 E	49	60
5 26	12 23.90	+ 4 2.5	1.930	2.578	20.1	21.5	119 E	49	60
426057 2012 BH_{62}									
3 7	13 26.13	+ 7 38.0	1.486	2.375	13.5	22.0	146 W	53	56
3 12	13 22.55	+ 8 34.8	1.468	2.387	11.6	21.9	151 W	54	55
3 17	13 18.34	+ 9 31.5	1.455	2.398	9.8	21.9	156 W	55	54
3 22	13 13.63	+10 26.5	1.449	2.409	8.3	21.8	160 W	55	54
3 27	13 8.54	+11 18.4	1.450	2.419	7.3	21.8	162 W	56	53
4 1	13 3.24	+12 5.9	1.458	2.430	7.1	21.8	163 W	57	52
4 6	12 57.88	+12 47.8	1.472	2.440	7.7	21.8	161 E	58	51
4 11	12 52.62	+13 23.1	1.493	2.450	9.0	21.9	158 E	58	51
4 16	12 47.63	+13 51.2	1.521	2.459	10.6	22.0	153 E	59	50
4 21	12 43.03	+14 11.8	1.555	2.468	12.3	22.2	149 E	59	50
4 26	12 38.94	+14 24.8	1.594	2.477	13.9	22.3	144 E	59	50
5 1	12 35.44	+14 30.7	1.638	2.485	15.5	22.4	139 E	60	49
145720 1993 OX_7									
3 7	13 31.45	− 0 45.5	2.620	3.472	9.6	21.3	144 W	44	65
3 17	13 25.78	+ 0 10.4	2.536	3.464	6.9	21.1	155 W	45	64
3 27	13 18.66	+ 1 10.3	2.480	3.455	4.1	20.9	166 W	46	63
4 6	13 10.65	+ 2 9.6	2.453	3.445	2.6	20.8	171 W	47	62
4 16	13 2.42	+ 3 3.3	2.457	3.434	4.5	20.9	164 E	48	61
4 26	12 54.68	+ 3 47.1	2.490	3.422	7.4	21.1	154 E	49	60
5 6	12 48.05	+ 4 17.9	2.549	3.410	10.2	21.3	143 E	49	60
5 16	12 42.99	+ 4 34.2	2.631	3.396	12.7	21.4	132 E	50	59
464639 2000 PO_{30}									
3 7	13 31.92	−11 8.7	1.187	2.055	17.7	21.9	141 W	34	75
3 17	13 21.99	− 9 54.4	1.159	2.098	12.2	21.7	154 W	35	74
3 27	13 9.70	− 8 22.2	1.154	2.138	6.0	21.4	167 W	37	72
4 6	12 56.64	− 6 42.1	1.176	2.177	0.4	21.1	179 E	38	71
4 16	12 44.47	− 5 6.1	1.226	2.214	6.2	21.6	166 E	40	69
4 26	12 34.58	− 3 45.0	1.302	2.249	11.4	22.0	154 E	41	68
237610 2001 QB_{142}									
3 7	13 32.81	− 7 13.6	2.011	2.860	12.3	21.4	142 W	38	71
3 17	13 25.64	− 6 43.1	1.953	2.880	8.7	21.2	154 W	38	71
3 27	13 16.72	− 6 3.9	1.922	2.900	4.7	21.0	166 W	39	70
4 6	13 6.87	− 5 20.4	1.918	2.919	0.7	20.8	178 W	40	69
4 16	12 57.04	− 4 37.7	1.945	2.936	3.8	21.0	169 E	40	69
4 26	12 48.19	− 4 0.9	2.001	2.953	7.7	21.3	157 E	41	68
5 6	12 41.02	− 3 34.0	2.083	2.969	11.1	21.5	145 E	41	68
275749 2001 OL_9									
3 7	13 33.88	− 2 46.1	1.826	2.686	12.8	21.3	143 W	42	67
3 17	13 27.94	− 1 56.9	1.733	2.665	9.3	21.0	154 W	43	66
3 27	13 19.77	− 0 59.5	1.664	2.643	5.3	20.8	166 W	44	65
4 6	13 10.09	+ 0 0.2	1.624	2.620	2.6	20.5	173 W	45	64
4 16	12 59.89	+ 0 55.4	1.611	2.596	5.4	20.7	166 E	46	63
4 26	12 50.32	+ 1 39.2	1.626	2.571	9.7	20.8	154 E	47	62
5 6	12 42.36	+ 2 6.9	1.666	2.545	13.8	21.0	143 E	47	62
5 16	12 36.71	+ 2 16.0	1.726	2.519	17.3	21.2	132 E	47	62
5 26	12 33.73	+ 2 6.1	1.801	2.492	20.2	21.4	122 E	47	62
296798 2009 VX_{38}									
3 7	13 34.91	−15 5.3	1.677	2.509	15.2	21.5	139 W	30	79
3 17	13 29.35	−14 46.3	1.577	2.488	11.6	21.2	150 W	30	79
3 27	13 21.25	−14 7.9	1.499	2.466	7.4	20.9	161 W	31	78
4 6	13 11.36	−13 12.1	1.448	2.443	3.1	20.6	173 W	32	77
4 16	13 0.77	−12 3.8	1.423	2.420	3.7	20.5	171 E	33	76
4 26	12 50.81	−10 50.8	1.426	2.395	8.4	20.7	160 E	34	75
5 6	12 42.62	− 9 42.1	1.454	2.370	13.1	21.0	148 E	35	74
5 16	12 37.01	− 8 45.0	1.504	2.344	17.2	21.1	137 E	36	73
5 26	12 34.39	− 8 4.7	1.570	2.318	20.6	21.3	126 E	37	72
6 5	12 34.79	− 7 43.2	1.648	2.291	23.3	21.5	117 E	37*	72
337110 1999 RE_{110}									
3 7	13 36.34	−19 35.7	1.743	2.553	15.6	21.5	136 W	25	84
3 17	13 30.40	−19 44.0	1.641	2.533	12.4	21.2	147 W	25	84
3 27	13 21.87	−19 31.8	1.561	2.513	8.7	21.0	158 W	25	84
4 6	13 11.48	−18 58.9	1.507	2.492	5.2	20.7	167 W	26	83
4 16	13 0.36	−18 7.6	1.479	2.470	4.8	20.6	168 E	27	82
4 26	12 49.85	−17 4.4	1.479	2.447	8.3	20.8	159 E	28	81
5 6	12 41.12	−15 57.8	1.504	2.424	12.5	21.0	149 E	29	80
5 16	12 35.01	−14 56.3	1.552	2.399	16.4	21.1	138 E	30	79
5 26	12 31.95	−14 6.7	1.616	2.374	19.8	21.3	128 E	31	78
6 5	12 31.97	−13 32.8	1.694	2.348	22.4	21.5	118 E	31*	78

363116 2001 GQ_2

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
3 7	13 37.98	+30 46.4	0.667	1.548	26.0	21.4	137 W	76	33
3 12	13 29.48	+32 28.4	0.623	1.522	25.2	21.1	139 W	77	32
3 17	13 18.08	+34 8.7	0.583	1.494	24.8	20.9	141 W	79	30
3 22	13 3.58	+35 40.8	0.548	1.465	25.2	20.8	141 W	81	28
3 27	12 45.96	+36 56.6	0.518	1.435	26.4	20.7	140 W	82	27
4 1	12 25.50	+37 47.4	0.492	1.403	28.7	20.6	138 E	83	26
4 6	12 2.89	+38 4.8	0.472	1.370	31.9	20.5	134 E	83	26
4 11	11 39.18	+37 42.7	0.456	1.336	35.9	20.5	129 E	83	26
4 16	11 15.65	+36 39.0	0.445	1.300	40.4	20.5	123 E	82	27
4 21	10 53.43	+34 56.5	0.438	1.263	45.4	20.5	117 E	80	29
4 26	10 33.28	+32 40.9	0.433	1.225	50.5	20.6	110 E	78	31
5 1	10 15.49	+29 59.9	0.431	1.185	55.8	20.7	104 E	75	34
5 6	10 0.02	+27 0.2	0.431	1.144	61.1	20.7	97 E	70*	37
5 11	9 46.59	+23 47.9	0.431	1.102	66.4	20.8	91 E	63*	40
5 16	9 34.74	+20 27.5	0.431	1.059	71.8	20.9	84 E	56*	44
5 21	9 23.92	+17 2.1	0.431	1.015	77.3	21.0	78 E	48*	47*
5 26	9 13.49	+13 34.2	0.430	0.970	83.1	21.1	72 E	39*	49*
5 31	9 2.79	+10 6.2	0.429	0.925	89.1	21.2	66 E	31*	50*
6 5	8 51.19	+ 6 41.0	0.427	0.880	95.6	21.4	60 E	22*	49*

398465 2011 UP_{108}

3 7	13 42.48	− 0 59.4	1.749	2.599	13.8	21.5	141 W	44	65
3 17	13 37.89	+ 0 17.5	1.642	2.564	10.4	21.2	152 W	45	64
3 27	13 30.83	+ 1 45.0	1.560	2.529	6.8	20.9	163 W	47	62
4 6	13 21.87	+ 3 15.8	1.504	2.493	4.4	20.7	169 W	48	61
4 16	13 11.93	+ 4 40.9	1.476	2.456	6.4	20.7	164 E	50	59
4 26	13 2.22	+ 5 50.9	1.474	2.418	10.6	20.8	154 E	51	58
5 6	12 53.85	+ 6 39.2	1.497	2.380	14.9	21.0	143 E	52	57
5 16	12 47.70	+ 7 2.5	1.539	2.340	18.7	21.1	132 E	52	57
5 26	12 44.32	+ 7 0.5	1.597	2.300	21.9	21.3	122 E	52	57
6 5	12 43.85	+ 6 35.5	1.664	2.260	24.5	21.4	113 E	51*	57

496916 2001 SX_{288}

3 7	13 45.45	− 9 4.1	1.212	2.063	18.5	21.4	139 W	36	73
3 17	13 40.24	− 5 19.2	1.137	2.063	13.6	21.1	151 W	40	69
3 27	13 31.85	− 0 59.3	1.088	2.062	8.3	20.8	163 W	44	65
4 6	13 21.29	+ 3 34.9	1.069	2.059	5.5	20.7	169 W	49	60
4 16	13 10.01	+ 7 56.2	1.081	2.055	9.2	20.8	161 E	53	56
4 26	12 59.67	+11 39.7	1.121	2.050	14.7	21.1	149 E	57	52
5 6	12 51.61	+14 31.5	1.186	2.044	19.6	21.4	137 E	60	49

338065 2002 OJ_{36}

3 7	13 51.61	−10 44.8	1.373	2.203	18.0	21.3	137 W	34	75
3 17	13 47.82	−10 51.9	1.269	2.174	14.3	21.0	147 W	34	75
3 27	13 40.73	−10 45.1	1.184	2.145	9.6	20.7	159 W	34	75
4 6	13 30.91	−10 25.6	1.122	2.116	4.1	20.3	171 W	35	74
4 11	13 25.28	−10 12.1	1.100	2.102	1.3	20.0	177 W	35	74
4 16	13 19.42	− 9 57.0	1.085	2.087	2.0	20.0	176 E	35	74
4 21	13 13.54	− 9 41.3	1.076	2.072	5.0	20.2	170 E	35	74
4 26	13 7.86	− 9 25.9	1.073	2.058	8.0	20.3	163 E	36	73
5 1	13 2.57	− 9 11.7	1.076	2.043	11.0	20.4	157 E	36	73
5 6	12 57.85	− 8 59.7	1.085	2.028	13.8	20.5	151 E	36	73
5 11	12 53.84	− 8 50.6	1.098	2.014	16.5	20.6	145 E	36	73
5 16	12 50.65	− 8 45.2	1.117	1.999	19.0	20.7	140 E	36	73
5 21	12 48.36	− 8 44.0	1.139	1.984	21.3	20.8	135 E	36	73
5 26	12 47.01	− 8 47.3	1.164	1.970	23.4	20.9	129 E	36	73
5 31	12 46.59	− 8 55.1	1.192	1.955	25.3	21.0	125 E	36*	73
6 5	12 47.09	− 9 7.6	1.223	1.941	26.9	21.1	120 E	36*	73
6 10	12 48.48	− 9 24.6	1.256	1.927	28.3	21.2	116 E	35*	73
6 15	12 50.74	− 9 45.9	1.290	1.913	29.6	21.2	112 E	33*	74
6 20	12 53.82	−10 11.5	1.325	1.899	30.7	21.3	108 E	31*	74
6 25	12 57.67	−10 41.0	1.361	1.885	31.6	21.4	104 E	30*	75
6 30	13 2.23	−11 14.0	1.397	1.871	32.3	21.5	100 E	28*	75

343223 2009 WD_{82}

3 7	13 55.13	−17 5.0	1.676	2.465	17.0	21.3	133 W	28	81
3 17	13 50.70	−17 13.7	1.567	2.444	13.8	21.0	144 W	28	81
3 27	13 43.35	−17 4.9	1.479	2.422	9.9	20.7	155 W	28	81
4 6	13 33.65	−16 38.2	1.415	2.400	5.5	20.4	167 W	28	81
4 11	13 28.20	−16 18.5	1.393	2.389	3.6	20.3	172 W	29	80
4 16	13 22.57	−15 55.3	1.377	2.377	2.9	20.2	173 E	29	80
4 21	13 16.94	−15 29.5	1.369	2.365	4.2	20.2	170 E	30	79
4 26	13 11.49	−15 1.9	1.367	2.353	6.4	20.3	165 E	30	79
5 1	13 6.37	−14 33.6	1.372	2.341	8.8	20.4	159 E	30	79
5 6	13 1.73	−14 5.6	1.382	2.329	11.2	20.5	153 E	31	78
5 11	12 57.69	−13 39.0	1.399	2.316	13.5	20.6	148 E	31	78
5 16	12 54.36	−13 14.6	1.421	2.303	15.7	20.7	142 E	32	77
5 21	12 51.79	−12 53.3	1.447	2.291	17.7	20.8	137 E	32	77
5 26	12 50.02	−12 35.6	1.477	2.278	19.5	20.9	131 E	32	77
5 31	12 49.06	−12 22.0	1.511	2.264	21.1	21.0	126 E	33	76

343223 2009 WD_{82} *(continuation)*

6 5	12 48.90	−12 12.5	1.548	2.251	22.6	21.1	122 E	33*	76
6 10	12 49.53	−12 7.5	1.587	2.238	23.9	21.2	117 E	32*	76
6 15	12 50.91	−12 6.9	1.629	2.224	25.0	21.2	112 E	31*	76
6 20	12 53.01	−12 10.5	1.671	2.211	25.9	21.3	108 E	30*	76
6 25	12 55.80	−12 18.4	1.715	2.197	26.7	21.4	104 E	28*	76
6 30	12 59.22	−12 30.1	1.759	2.183	27.3	21.4	100 E	26*	77
7 5	13 3.23	−12 45.4	1.804	2.169	27.8	21.5	97 E	25*	77

217105 2001 XS_{95}

3 7	13 59.01	−17 49.1	2.313	3.069	13.9	21.3	132 W	27	82
3 17	13 54.97	−17 38.7	2.185	3.039	11.3	21.1	143 W	27	82
3 27	13 48.71	−17 13.2	2.078	3.008	8.3	20.9	154 W	28	81
4 6	13 40.67	−16 32.8	1.997	2.976	4.8	20.6	166 W	28	81
4 16	13 31.51	−15 39.5	1.944	2.944	2.0	20.3	174 E	29	80
4 21	13 26.79	−15 9.4	1.928	2.927	2.6	20.3	172 E	30	79
4 26	13 22.15	−14 37.7	1.920	2.910	4.3	20.4	167 E	30	79
5 1	13 17.69	−14 5.5	1.919	2.893	6.2	20.5	162 E	31	78
5 6	13 13.52	−13 33.3	1.925	2.876	8.2	20.6	156 E	31	78
5 11	13 9.75	−13 2.1	1.937	2.859	10.1	20.7	150 E	32	77
5 16	13 6.45	−12 32.5	1.955	2.841	11.9	20.7	145 E	32	77
5 21	13 3.69	−12 5.3	1.979	2.823	13.6	20.8	139 E	33	76
5 26	13 1.52	−11 41.0	2.008	2.806	15.1	20.9	134 E	33	76
5 31	12 59.96	−11 19.9	2.041	2.787	16.5	21.0	129 E	34	75
6 5	12 59.01	−11 2.4	2.077	2.769	17.8	21.0	123 E	34*	75
6 10	12 58.70	−10 48.7	2.117	2.750	18.9	21.1	119 E	34*	75
6 15	12 59.00	−10 38.8	2.159	2.732	19.9	21.1	114 E	33*	75
6 20	12 59.91	−10 32.8	2.203	2.713	20.7	21.2	109 E	32*	75
6 25	13 1.40	−10 30.5	2.249	2.694	21.4	21.3	105 E	30*	75
6 30	13 3.45	−10 31.9	2.296	2.675	21.9	21.3	100 E	29*	75
7 5	13 6.03	−10 36.8	2.343	2.655	22.4	21.3	96 E	27*	75
7 10	13 9.11	−10 45.1	2.391	2.636	22.7	21.4	92 E	25*	75
7 15	13 12.68	−10 56.5	2.438	2.616	22.9	21.4	88 E	24*	75*
7 20	13 16.70	−11 10.8	2.485	2.596	22.9	21.4	85 E	22*	74*
7 25	13 21.16	−11 27.9	2.531	2.576	22.9	21.5	81 E	20*	72*
7 30	13 26.02	−11 47.5	2.576	2.556	22.8	21.5	78 E	19*	70*
8 4	13 31.27	−12 9.3	2.619	2.536	22.6	21.5	74 E	18*	67*

326290 Akhenaten

3 7	14 4.82	− 1 33.7	0.343	1.260	33.3	21.4	136 W	43	66
3 17	13 38.75	+ 1 50.8	0.298	1.266	21.7	20.7	152 W	47	62
3 27	12 59.25	+ 6 6.9	0.270	1.263	9.8	20.1	168 W	51	58
4 6	12 11.85	+10 13.0	0.264	1.252	16.1	20.3	160 E	55	54
4 11	11 48.62	+11 48.2	0.270	1.243	23.7	20.5	150 E	57	52
4 16	11 27.56	+12 57.9	0.279	1.232	31.1	20.8	141 E	58	51
4 21	11 9.50	+13 42.4	0.293	1.220	37.9	21.1	132 E	59	50
4 26	10 54.70	+14 5.3	0.309	1.205	44.1	21.3	124 E	59	50

333725 2009 TX_{39}

3 7	14 6.36	− 2 52.6	1.790	2.589	15.7	21.3	135 W	42	67
3 17	14 1.86	− 2 15.8	1.689	2.574	12.5	21.0	146 W	43	66
3 27	13 54.63	− 1 31.4	1.610	2.558	8.7	20.8	157 W	43	66
4 6	13 45.21	− 0 44.2	1.556	2.542	5.0	20.5	167 W	44	65
4 16	13 34.46	− 0 0.5	1.530	2.524	4.0	20.4	170 E	45	64
4 21	13 28.96	+ 0 17.9	1.527	2.515	5.4	20.5	166 E	45	64
4 26	13 23.58	+ 0 33.1	1.532	2.506	7.4	20.6	161 E	46	63
5 1	13 18.46	+ 0 44.4	1.542	2.496	9.5	20.7	156 E	46	63
5 6	13 13.74	+ 0 51.5	1.559	2.486	11.6	20.8	150 E	46	63
5 11	13 9.53	+ 0 54.1	1.582	2.476	13.6	20.9	145 E	46	63
5 16	13 5.91	+ 0 51.9	1.610	2.466	15.5	20.9	139 E	46	63
5 21	13 2.96	+ 0 45.0	1.643	2.455	17.3	21.0	134 E	46	63
5 26	13 0.71	+ 0 33.6	1.679	2.445	18.8	21.1	129 E	46	63
5 31	12 59.16	+ 0 17.8	1.720	2.434	20.3	21.2	124 E	45	64
6 5	12 58.34	− 0 2.2	1.763	2.423	21.5	21.3	119 E	45*	64
6 10	12 58.21	− 0 26.0	1.808	2.412	22.5	21.4	114 E	44*	64
6 15	12 58.77	− 0 53.3	1.856	2.400	23.4	21.5	110 E	42*	65

96006 2004 NE_{27}

3 7	14 8.66	−11 32.0	1.580	2.365	18.0	21.3	132 W	33	76
3 17	14 6.71	−11 9.3	1.462	2.334	14.9	21.0	143 W	34	75
3 27	14 1.75	−10 30.1	1.363	2.303	10.9	20.7	154 W	34	75
4 6	13 54.11	− 9 36.1	1.287	2.271	6.1	20.3	166 W	35	74
4 11	13 49.49	− 9 4.8	1.258	2.254	3.5	20.1	172 W	36	73
4 16	13 44.51	− 8 31.6	1.235	2.238	1.1	19.9	177 W	36	73
4 21	13 39.35	− 7 57.7	1.219	2.222	2.4	19.9	175 E	37	72
4 26	13 34.19	− 7 24.2	1.210	2.205	5.2	20.1	169 E	38	71
5 1	13 29.20	− 6 52.1	1.207	2.189	8.0	20.2	162 E	38	71
5 6	13 24.54	− 6 22.5	1.210	2.172	10.7	20.3	156 E	39	70
5 11	13 20.37	− 5 56.3	1.219	2.156	13.4	20.4	150 E	39	70
5 16	13 16.83	− 5 34.5	1.232	2.139	15.9	20.5	145 E	39	70

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
96006 2004 NE_{27} *(continuation)*									
5 26	13 11.97	− 5 6.1	1.273	2.106	20.3	20.7	134 E	40	69
6 5	13 10.36	− 4 59.4	1.328	2.072	24.0	20.8	124 E	40*	69
6 15	13 12.06	− 5 14.2	1.393	2.039	26.9	21.0	115 E	39*	69
6 25	13 16.91	− 5 48.7	1.464	2.006	29.1	21.1	107 E	36*	70
7 5	13 24.61	− 6 40.2	1.538	1.973	30.6	21.2	99 E	32*	71
7 15	13 34.86	− 7 46.0	1.613	1.941	31.5	21.3	92 E	29*	72
7 25	13 47.40	− 9 3.1	1.686	1.910	32.1	21.4	86 E	26*	73*
8 4	14 1.98	−10 28.6	1.758	1.879	32.2	21.5	80 E	23*	71*
235601 2004 PW_{56}									
3 7	14 15.66	−13 15.5	1.937	2.686	16.4	21.4	130 W	32	77
3 17	14 12.89	−12 51.0	1.815	2.663	13.6	21.1	141 W	32	77
3 27	14 7.47	−12 11.4	1.714	2.639	10.1	20.8	152 W	33	76
4 6	13 59.74	−11 18.3	1.636	2.614	5.9	20.5	164 W	34	75
4 16	13 50.36	−10 15.1	1.585	2.588	1.4	20.2	177 W	35	74
4 21	13 45.37	− 9 41.4	1.570	2.574	1.2	20.1	177 E	35	74
4 26	13 40.37	− 9 7.5	1.563	2.561	3.6	20.3	171 E	36	73
5 1	13 35.50	− 8 34.4	1.562	2.547	6.0	20.4	165 E	36	73
5 6	13 30.89	− 8 2.9	1.567	2.533	8.4	20.5	159 E	37	72
5 11	13 26.67	− 7 33.8	1.580	2.519	10.6	20.6	153 E	37	72
5 16	13 22.96	− 7 7.9	1.598	2.505	12.8	20.7	147 E	38	71
5 21	13 19.83	− 6 45.8	1.621	2.491	14.8	20.8	141 E	38	71
5 26	13 17.35	− 6 27.9	1.649	2.476	16.6	20.8	136 E	39	70
5 31	13 15.54	− 6 14.5	1.681	2.461	18.3	20.9	130 E	39	70
6 5	13 14.43	− 6 5.7	1.717	2.446	19.8	21.0	125 E	39	70
6 10	13 14.03	− 6 1.4	1.756	2.431	21.1	21.1	120 E	39*	70
6 15	13 14.33	− 6 1.6	1.797	2.416	22.3	21.2	116 E	38*	70
6 20	13 15.30	− 6 6.3	1.840	2.401	23.3	21.2	111 E	37*	70
6 25	13 16.93	− 6 15.0	1.885	2.385	24.1	21.3	107 E	35*	70
6 30	13 19.17	− 6 27.6	1.931	2.369	24.8	21.3	103 E	34*	70
7 5	13 22.00	− 6 43.9	1.977	2.354	25.3	21.4	99 E	32*	71
7 10	13 25.40	− 7 3.5	2.024	2.338	25.7	21.4	95 E	30*	71
7 15	13 29.33	− 7 26.1	2.070	2.321	26.0	21.5	91 E	29*	71
194175 2001 TB_{51}									
3 7	14 19.55	−13 38.1	1.791	2.537	17.6	21.4	129 W	31	78
3 17	14 17.70	−13 11.0	1.668	2.511	14.8	21.1	140 W	32	77
3 27	14 13.01	−12 27.2	1.564	2.484	11.2	20.8	151 W	33	76
4 6	14 5.76	−11 27.9	1.482	2.456	6.9	20.5	163 W	34	75
4 16	13 56.58	−10 16.5	1.426	2.428	2.1	20.1	175 W	35	74
4 21	13 51.59	− 9 38.2	1.409	2.413	0.9	20.0	178 E	35	74
4 26	13 46.54	− 8 59.5	1.398	2.399	3.3	20.2	172 E	36	73
5 1	13 41.58	− 8 21.4	1.394	2.384	5.9	20.3	166 E	37	72
5 6	13 36.87	− 7 45.0	1.397	2.369	8.5	20.4	160 E	37	72
5 11	13 32.54	− 7 11.3	1.405	2.354	10.9	20.5	154 E	38	71
5 16	13 28.72	− 6 41.2	1.420	2.338	13.3	20.6	148 E	38	71
5 21	13 25.52	− 6 15.4	1.439	2.323	15.5	20.7	142 E	39	70
5 26	13 23.00	− 5 54.3	1.464	2.308	17.5	20.8	137 E	39	70
5 31	13 21.21	− 5 38.3	1.492	2.292	19.4	20.9	131 E	39	70
6 5	13 20.16	− 5 27.5	1.524	2.276	21.1	20.9	126 E	40	69
6 10	13 19.87	− 5 21.8	1.559	2.260	22.6	21.0	121 E	40*	69
6 15	13 20.33	− 5 21.2	1.596	2.244	23.9	21.1	117 E	39*	69
6 20	13 21.53	− 5 25.6	1.636	2.228	25.0	21.2	112 E	38*	69
6 25	13 23.42	− 5 34.6	1.676	2.212	25.9	21.2	108 E	37*	70
6 30	13 25.98	− 5 47.8	1.718	2.196	26.7	21.3	104 E	35*	70
7 5	13 29.18	− 6 5.0	1.760	2.180	27.4	21.3	100 E	33*	70
7 10	13 32.98	− 6 25.9	1.803	2.163	27.9	21.4	96 E	32*	70
7 15	13 37.35	− 6 50.1	1.846	2.147	28.2	21.4	93 E	30*	71
7 20	13 42.26	− 7 17.3	1.888	2.130	28.5	21.5	89 E	28*	71*
90373 2003 SZ_{219}									
3 7	14 21.84	−12 57.0	1.083	1.872	24.4	21.3	129 W	32	77
3 17	14 19.07	−11 27.5	1.014	1.888	19.8	21.0	140 W	34	75
3 27	14 12.19	− 9 30.0	0.962	1.902	14.3	20.7	152 W	36	73
4 6	14 1.92	− 7 11.5	0.931	1.914	8.1	20.4	164 W	38	71
4 11	13 55.92	− 5 58.3	0.925	1.920	5.1	20.3	170 W	39	70
4 16	13 49.64	− 4 45.2	0.925	1.925	3.2	20.2	174 W	40	69
4 21	13 43.33	− 3 34.6	0.931	1.930	4.5	20.3	171 E	41	68
4 26	13 37.25	− 2 28.6	0.944	1.935	7.3	20.4	166 E	43	66
5 1	13 31.61	− 1 28.8	0.962	1.939	10.3	20.6	160 E	44	65
5 6	13 26.58	− 0 36.7	0.986	1.943	13.3	20.8	154 E	44	65
5 11	13 22.30	+ 0 7.0	1.016	1.946	16.1	21.0	148 E	45	64
5 16	13 18.88	+ 0 41.7	1.050	1.949	18.6	21.1	142 E	46	63
5 21	13 16.36	+ 1 7.4	1.088	1.952	20.9	21.3	137 E	46	63
5 26	13 14.77	+ 1 24.5	1.130	1.954	22.9	21.4	131 E	46	63
21228 1995 SC									
3 7	14 26.05	−48 37.4	3.386	3.856	13.9	21.5	111 W	—	67
3 17	14 21.11	−49 45.3	3.270	3.852	13.1	21.4	119 W	—	66
3 27	14 13.52	−50 36.9	3.170	3.848	12.0	21.3	127 W	—	65
4 6	14 3.65	−51 7.8	3.087	3.843	10.9	21.2	133 W	—	65

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
21228 1995 SC *(continuation)*									
4 16	13 52.19	−51 14.2	3.025	3.837	10.0	21.1	139 W	—	65
4 26	13 40.18	−50 54.5	2.987	3.830	9.3	21.0	142 E	—	65
5 6	13 28.71	−50 10.2	2.973	3.822	9.3	21.0	142 E	—	66
5 16	13 18.79	−49 5.5	2.983	3.813	9.8	21.0	140 E	—	67
5 26	13 11.13	−47 46.7	3.017	3.804	10.8	21.1	135 E	—	68
6 5	13 6.08	−46 21.1	3.072	3.794	12.0	21.2	129 E	—	70
6 15	13 3.70	−44 55.1	3.146	3.783	13.2	21.2	122 E	—	71
6 25	13 3.89	−43 34.4	3.234	3.771	14.2	21.3	115 E	—	72
7 5	13 6.39	−42 22.5	3.334	3.759	15.0	21.4	107 E	—	74
326318 1999 VK_{85}									
3 7	14 32.74	+ 1 39.6	2.681	3.397	13.1	21.4	129 W	47	62
3 17	14 29.57	+ 2 22.7	2.548	3.365	11.1	21.2	139 W	47	62
3 27	14 24.30	+ 3 9.9	2.436	3.332	8.8	20.9	149 W	48	61
4 6	14 17.15	+ 3 57.0	2.348	3.298	6.5	20.7	158 W	49	60
4 16	14 8.56	+ 4 39.4	2.289	3.263	5.1	20.6	163 W	50	59
4 26	13 59.22	+ 5 12.0	2.259	3.227	5.8	20.6	161 E	50	59
5 6	13 49.91	+ 5 30.9	2.257	3.190	8.2	20.7	153 E	51	58
5 16	13 41.41	+ 5 33.5	2.282	3.153	11.0	20.8	144 E	51	58
5 26	13 34.38	+ 5 18.8	2.330	3.114	13.7	20.9	133 E	50	59
6 5	13 29.27	+ 4 47.6	2.396	3.075	16.0	21.0	124 E	50	59
6 15	13 26.29	+ 4 1.8	2.476	3.034	17.8	21.1	114 E	48*	60
6 25	13 25.52	+ 3 3.2	2.566	2.993	19.2	21.2	105 E	45*	61
7 5	13 26.86	+ 1 54.1	2.661	2.951	20.0	21.3	96 E	40*	62
7 15	13 30.19	+ 0 36.4	2.757	2.908	20.4	21.3	88 E	36*	63
7 25	13 35.35	− 0 48.3	2.852	2.865	20.5	21.4	80 E	31*	64*
8 4	13 42.14	− 2 18.3	2.942	2.820	20.1	21.4	73 E	27*	61*
8 14	13 50.45	− 3 52.7	3.026	2.775	19.5	21.4	66 E	24*	57*
8 24	14 0.13	− 5 30.3	3.102	2.728	18.6	21.4	59 E	21*	52*
9 3	14 11.07	− 7 10.1	3.168	2.682	17.4	21.4	53 E	18*	46*
9 13	14 23.21	− 8 51.3	3.223	2.634	16.1	21.3	47 E	15*	40*
9 23	14 36.47	−10 33.0	3.267	2.585	14.6	21.3	40 E	13*	34*
10 3	14 50.81	−12 14.2	3.298	2.536	12.9	21.2	34 E	11*	28*
10 13	15 6.22	−13 54.1	3.316	2.487	11.1	21.1	29 E	9*	22*
10 23	15 22.67	−15 31.7	3.322	2.437	9.2	21.0	23 E	6*	16*
11 2	15 40.16	−17 6.0	3.314	2.386	7.2	20.8	17 E	4*	11*
11 12	15 58.72	−18 35.9	3.294	2.335	5.1	20.7	12 E	1*	5*
11 22	16 18.32	−20 0.3	3.262	2.284	2.9	20.5	7 E	—	—
12 2	16 38.99	−21 18.0	3.217	2.232	0.7	20.2	2 E	—	—
12 12	17 0.74	−22 27.7	3.162	2.180	1.6	20.2	4 W	—	—
12 22	17 23.54	−23 28.1	3.097	2.129	3.9	20.3	8 W	—	1*
1 1	17 47.40	−24 17.8	3.023	2.078	6.2	20.3	13 W	2*	6*
1 11	18 12.29	−24 55.5	2.941	2.027	8.5	20.3	18 W	3*	11*
1 21	18 38.14	−25 20.0	2.853	1.976	10.8	20.2	22 W	4*	16*
158853 2004 NJ_{32}									
3 7	14 35.31	− 6 29.0	2.052	2.769	16.6	21.4	127 W	39	70
3 17	14 33.69	− 5 35.3	1.926	2.745	14.1	21.1	138 W	39	70
3 27	14 29.49	− 4 29.4	1.820	2.720	11.1	20.9	148 W	41	68
4 6	14 22.89	− 3 14.9	1.736	2.694	7.7	20.6	159 W	42	67
4 16	14 14.40	− 1 57.1	1.679	2.668	4.7	20.4	168 W	43	66
4 21	14 9.69	− 1 19.3	1.661	2.654	4.2	20.3	169 W	44	65
4 26	14 4.84	− 0 43.3	1.650	2.640	4.9	20.3	167 E	44	65
5 1	13 59.99	− 0 10.2	1.646	2.626	6.4	20.4	163 E	45	64
5 6	13 55.26	+ 0 19.3	1.648	2.612	8.2	20.4	158 E	45	64
5 16	13 46.68	+ 1 4.9	1.673	2.583	12.2	20.6	147 E	46	63
5 26	13 39.95	+ 1 30.0	1.719	2.553	15.8	20.8	137 E	46	63
6 5	13 35.62	+ 1 33.7	1.783	2.522	18.9	20.9	127 E	47	62
6 15	13 33.92	+ 1 17.5	1.860	2.490	21.3	21.1	117 E	46*	63
6 25	13 34.86	+ 0 43.3	1.946	2.458	23.2	21.2	108 E	43*	63
7 5	13 38.29	− 0 5.7	2.036	2.425	24.4	21.3	100 E	40*	64
7 15	13 44.01	− 1 7.2	2.128	2.391	25.1	21.4	92 E	36*	65
7 25	13 51.81	− 2 18.5	2.220	2.357	25.4	21.5	85 E	32*	66*
302871 2003 HA_{22}									
3 7	14 37.45	−12 18.2	0.840	1.630	29.7	21.4	125 W	33	76
3 17	14 48.70	−12 41.5	0.722	1.576	27.7	20.9	133 W	32	77
3 27	14 58.01	−12 49.2	0.615	1.522	24.8	20.4	140 W	32	77
4 6	15 4.95	−12 40.5	0.520	1.469	20.9	19.8	148 W	32	77
4 16	15 9.02	−12 14.8	0.438	1.417	16.0	19.2	157 W	33	76
4 26	15 10.10	−11 34.6	0.368	1.366	10.2	18.6	166 W	33	76
5 1	15 9.60	−11 10.7	0.338	1.342	7.3	18.2	170 W	34	75
5 6	15 8.50	−10 45.4	0.311	1.318	5.4	17.9	173 W	34	75
5 11	15 6.96	−10 20.3	0.288	1.296	5.9	17.7	172 E	35	74
5 16	15 5.21	− 9 57.4	0.267	1.274	8.7	17.6	169 E	35	74
5 21	15 3.57	− 9 38.9	0.248	1.253	12.4	17.6	165 E	35	74
5 26	15 2.38	− 9 27.2	0.232	1.234	16.4	17.6	160 E	36	73
5 31	15 1.95	− 9 24.3	0.218	1.216	20.5	17.5	155 E	36	73
6 5	15 2.63	− 9 32.1	0.206	1.199	24.4	17.5	151 E	35	74
6 10	15 4.78	− 9 52.8	0.196	1.184	28.0	17.5	147 E	35	74

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	302871 2003 HA_{22} *(continuation)*								
	h m	° ′			°	m	°	°	°
6 15	15 8.79	−10 27.9	0.187	1.171	31.2	17.4	143 E	35	74
6 20	15 14.99	−11 18.2	0.179	1.160	34.0	17.4	140 E	34	75
6 25	15 23.64	−12 23.8	0.173	1.151	36.2	17.4	138 E	33	76
6 30	15 34.91	−13 43.5	0.167	1.144	37.9	17.3	136 E	31	78
7 5	15 48.95	−15 15.4	0.163	1.139	38.9	17.3	135 E	30	79
7 10	16 5.86	−16 56.1	0.161	1.136	39.3	17.3	135 E	28	81
7 15	16 25.59	−18 40.9	0.160	1.135	39.1	17.3	135 E	26	83
7 20	16 47.86	−20 23.2	0.161	1.137	38.5	17.3	136 E	25	84
7 25	17 12.12	−21 56.1	0.164	1.141	37.4	17.3	137 E	23	86
7 30	17 37.60	−23 13.1	0.170	1.148	36.2	17.3	138 E	22	87
8 4	18 3.45	−24 10.1	0.179	1.156	35.0	17.4	139 E	21	88
8 9	18 28.87	−24 45.2	0.190	1.166	33.8	17.5	140 E	20	89
8 14	18 53.22	−24 59.4	0.205	1.179	32.9	17.7	141 E	20	89
8 19	19 16.06	−24 55.1	0.222	1.193	32.1	17.9	141 E	20	89
8 24	19 37.12	−24 35.8	0.242	1.209	31.7	18.1	141 E	20	89
8 29	19 56.35	−24 4.9	0.265	1.226	31.4	18.3	141 E	21	88
9 3	20 13.87	−23 25.4	0.291	1.245	31.4	18.5	140 E	22	87
9 8	20 29.87	−22 39.8	0.319	1.266	31.6	18.8	139 E	22	87
9 13	20 44.59	−21 49.7	0.351	1.287	31.9	19.0	137 E	23	86
9 18	20 58.21	−20 56.5	0.385	1.309	32.3	19.3	136 E	24	85
9 23	21 10.90	−20 1.0	0.422	1.333	32.7	19.5	134 E	25	84
9 28	21 22.82	−19 4.1	0.462	1.357	33.1	19.8	132 E	26	83
10 3	21 34.11	−18 6.0	0.505	1.382	33.6	20.0	130 E	27	82
10 8	21 44.91	−17 7.0	0.551	1.407	34.0	20.3	128 E	28	81
10 13	21 55.32	−16 7.2	0.599	1.433	34.4	20.5	126 E	29	80
10 18	22 5.41	−15 6.8	0.650	1.459	34.7	20.7	123 E	30	79
10 23	22 15.24	−14 5.9	0.703	1.485	35.0	20.9	121 E	31	78
10 28	22 24.84	−13 4.7	0.759	1.512	35.2	21.1	119 E	32	77
11 2	22 34.27	−12 3.1	0.817	1.539	35.4	21.3	116 E	33	76
	244679 2003 OC_8								
3 7	14 38.96	−18 21.0	1.892	2.574	18.8	21.5	123 W	27	82
3 17	14 38.46	−18 33.1	1.754	2.541	16.6	21.2	133 W	26	83
3 27	14 35.06	−18 31.8	1.632	2.508	13.6	20.9	144 W	26	83
4 6	14 28.78	−18 15.9	1.530	2.474	9.8	20.6	155 W	27	82
4 16	14 20.02	−17 44.7	1.452	2.440	5.4	20.3	167 W	27	82
4 21	14 14.96	−17 23.9	1.422	2.422	3.1	20.1	173 W	28	81
4 26	14 9.64	−17 0.2	1.400	2.405	1.6	19.9	176 E	28	81
5 1	14 4.22	−16 34.3	1.384	2.387	2.9	20.0	173 E	28	81
5 6	13 58.85	−16 7.0	1.374	2.369	5.4	20.1	167 E	29	80
5 11	13 53.71	−15 39.0	1.372	2.351	7.9	20.2	161 E	29	80
5 16	13 48.96	−15 11.6	1.375	2.333	10.4	20.3	155 E	30	79
5 21	13 44.75	−14 45.6	1.384	2.314	12.8	20.4	150 E	30	79
5 26	13 41.18	−14 21.9	1.399	2.296	15.1	20.5	144 E	31	78
6 5	13 36.23	−13 44.2	1.442	2.259	19.2	20.6	133 E	31	78
6 15	13 34.48	−13 22.3	1.500	2.221	22.6	20.8	123 E	31*	77
6 25	13 35.97	−13 18.0	1.567	2.184	25.2	20.9	114 E	30*	77
7 5	13 40.49	−13 30.7	1.641	2.146	27.2	21.1	105 E	27*	78
7 15	13 47.81	−13 58.9	1.718	2.108	28.6	21.2	98 E	25*	78
7 25	13 57.65	−14 40.4	1.795	2.070	29.4	21.2	90 E	22*	79*
8 4	14 9.75	−15 32.6	1.871	2.033	29.8	21.3	84 E	20*	76*
8 14	14 23.93	−16 33.0	1.944	1.995	29.8	21.3	78 E	18*	71*
8 24	14 40.02	−17 39.0	2.012	1.959	29.5	21.4	72 E	16*	66*
9 3	14 57.89	−18 47.8	2.077	1.923	28.9	21.4	67 E	15*	61*
9 13	15 17.47	−19 56.7	2.136	1.888	28.1	21.4	62 E	14*	56*
9 23	15 38.66	−21 3.0	2.190	1.854	27.1	21.4	57 E	13*	51*
10 3	16 1.39	−22 3.7	2.238	1.821	26.0	21.3	53 E	12*	47*
10 13	16 25.61	−22 56.1	2.282	1.790	24.8	21.3	49 E	12*	43*
10 23	16 51.18	−23 37.1	2.321	1.761	23.5	21.3	45 E	12*	39*
11 2	17 17.98	−24 4.0	2.356	1.733	22.0	21.2	41 E	11*	34*
11 12	17 45.86	−24 14.3	2.387	1.708	20.5	21.2	37 E	11*	30*
11 22	18 14.58	−24 5.8	2.415	1.686	19.0	21.1	34 E	11*	26*
12 2	18 43.93	−23 37.1	2.441	1.666	17.4	21.1	30 E	11*	22*
12 12	19 13.64	−22 47.2	2.464	1.649	15.8	21.0	27 E	11*	18*
12 22	19 43.46	−21 36.1	2.486	1.636	14.1	20.9	24 E	10*	14*
1 1	20 13.16	−20 4.3	2.507	1.626	12.4	20.9	21 E	9*	11*
1 11	20 42.55	−18 13.3	2.527	1.619	10.7	20.8	18 E	8*	8*
1 21	21 11.47	−16 5.2	2.547	1.616	9.0	20.8	15 E	6*	5*
	450158 2000 DW_{98}								
3 7	14 39.39	−24 28.0	2.689	3.310	14.9	21.4	121 W	21	88
3 17	14 35.72	−24 55.8	2.581	3.323	13.0	21.2	131 W	20	89
3 27	14 29.75	−25 11.7	2.491	3.335	10.6	21.1	142 W	20	89
4 6	14 21.81	−25 14.2	2.425	3.345	7.9	20.9	153 W	20	89
4 16	14 12.44	−25 2.6	2.384	3.355	5.1	20.7	163 W	20	89
4 26	14 2.44	−24 37.8	2.372	3.364	3.4	20.6	168 E	20	89
5 6	13 52.70	−24 2.8	2.391	3.373	4.7	20.7	164 E	21	88
5 16	13 44.01	−23 21.9	2.438	3.380	7.3	20.9	155 E	22	87
5 26	13 37.01	−22 40.1	2.511	3.386	10.0	21.1	144 E	22	87
6 5	13 32.07	−22 2.2	2.607	3.392	12.4	21.3	134 E	23	86
6 15	13 29.33	−21 31.4	2.722	3.396	14.3	21.4	124 E	23*	86

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	393458 2001 WE_1								
	h m	° ′			°	m	°	°	°
3 7	14 43.78	− 4 20.5	1.880	2.588	18.1	21.5	126 W	41	68
3 17	14 42.44	− 3 56.1	1.751	2.559	15.8	21.2	136 W	41	68
3 27	14 38.16	− 3 23.7	1.638	2.529	12.7	20.9	146 W	42	67
4 6	14 31.05	− 2 46.6	1.547	2.498	9.0	20.6	157 W	42	67
4 16	14 21.52	− 2 9.4	1.480	2.467	5.5	20.4	166 W	43	66
4 21	14 16.10	− 1 52.7	1.457	2.451	4.6	20.3	169 W	43	66
4 26	14 10.45	− 1 38.2	1.441	2.434	4.9	20.2	168 E	43	66
5 1	14 4.71	− 1 26.8	1.431	2.418	6.3	20.3	165 E	44	65
5 6	13 59.05	− 1 19.0	1.428	2.401	8.2	20.3	160 E	44	65
5 16	13 48.57	− 1 16.3	1.441	2.367	12.6	20.5	149 E	44	65
5 26	13 40.14	− 1 32.6	1.476	2.333	16.8	20.7	138 E	43	66
6 5	13 34.44	− 2 8.0	1.529	2.298	20.4	20.8	128 E	43	66
6 15	13 31.80	− 3 1.1	1.596	2.262	23.3	21.0	118 E	42*	67
6 25	13 32.24	− 4 9.6	1.671	2.226	25.5	21.1	109 E	39*	68
7 5	13 35.58	− 5 30.8	1.751	2.189	27.1	21.2	101 E	35*	70
7 15	13 41.58	− 7 2.6	1.833	2.152	28.1	21.3	94 E	30*	71
7 25	13 49.99	− 8 42.9	1.915	2.115	28.7	21.4	87 E	26*	72*
8 4	14 0.57	−10 29.4	1.994	2.077	28.8	21.5	80 E	23*	71*
8 14	14 13.14	−12 20.6	2.070	2.040	28.5	21.5	74 E	20*	67*
	223483 2003 YF_{36}								
3 7	14 50.64	− 8 37.8	1.918	2.597	18.6	21.4	123 W	36	73
3 17	14 49.59	− 8 15.0	1.797	2.584	16.3	21.2	133 W	37	72
3 27	14 45.64	− 7 42.0	1.694	2.569	13.2	21.0	144 W	37	72
4 6	14 38.93	− 7 1.0	1.611	2.554	9.4	20.7	155 W	38	71
4 16	14 29.90	− 6 15.6	1.552	2.538	5.4	20.4	166 W	39	70
4 21	14 24.77	− 5 52.9	1.533	2.530	3.7	20.3	171 W	39	70
4 26	14 19.41	− 5 31.2	1.521	2.521	3.2	20.2	172 W	39	70
5 1	14 13.97	− 5 11.1	1.515	2.512	4.3	20.3	169 E	40	69
5 6	14 8.60	− 4 53.5	1.517	2.503	6.3	20.4	164 E	40	69
5 16	13 58.65	− 4 27.8	1.539	2.484	10.6	20.6	153 E	41	68
5 26	13 50.61	− 4 17.9	1.586	2.464	14.6	20.8	142 E	41	68
6 5	13 45.10	− 4 25.2	1.651	2.444	18.1	21.0	131 E	41	68
6 15	13 42.42	− 4 49.4	1.732	2.423	20.9	21.1	122 E	40*	69
6 25	13 42.60	− 5 29.0	1.823	2.401	23.1	21.3	112 E	38*	69
7 5	13 45.45	− 6 21.7	1.920	2.378	24.5	21.4	104 E	35*	70
	277175 2005 OS_{14}								
3 7	14 52.18	−22 46.0	1.718	2.362	21.6	21.5	119 W	22	87
3 17	14 53.46	−23 30.8	1.585	2.335	19.6	21.2	128 W	21	88
3 27	14 51.53	−24 4.0	1.465	2.306	16.8	20.9	138 W	21	88
4 6	14 46.25	−24 22.7	1.363	2.278	13.2	20.6	149 W	21	88
4 16	14 37.82	−24 23.4	1.281	2.249	9.0	20.3	159 W	21	88
4 21	14 32.64	−24 16.4	1.249	2.234	6.9	20.1	165 W	21	88
4 26	14 27.01	−24 4.4	1.223	2.219	5.0	20.0	169 W	21	88
5 1	14 21.12	−23 47.6	1.203	2.204	4.2	19.9	171 E	21	88
5 6	14 15.15	−23 26.6	1.190	2.189	5.1	19.9	169 E	22	87
5 11	14 9.32	−23 2.1	1.183	2.174	7.1	20.0	165 E	22	87
5 16	14 3.84	−22 35.2	1.182	2.158	9.5	20.1	159 E	22	87
5 21	13 58.89	−22 7.1	1.187	2.143	12.0	20.2	154 E	23	86
5 26	13 54.63	−21 39.1	1.198	2.128	14.5	20.2	148 E	23	86
5 31	13 51.17	−21 12.2	1.213	2.112	16.8	20.3	143 E	24	85
6 5	13 48.57	−20 47.5	1.233	2.097	19.1	20.4	138 E	24	85
6 10	13 46.90	−20 25.7	1.256	2.081	21.1	20.5	132 E	25	84
6 15	13 46.17	−20 7.6	1.283	2.066	23.0	20.6	128 E	25*	84
6 20	13 46.38	−19 53.5	1.313	2.050	24.6	20.7	123 E	25*	84
6 25	13 47.50	−19 43.8	1.345	2.035	26.1	20.8	118 E	24*	84
6 30	13 49.49	−19 38.3	1.379	2.019	27.4	20.8	114 E	23*	84
7 5	13 52.32	−19 37.2	1.414	2.004	28.5	20.9	110 E	22*	84
7 10	13 55.94	−19 40.1	1.451	1.988	29.4	21.0	106 E	21*	84
7 15	14 0.32	−19 46.9	1.488	1.973	30.2	21.0	102 E	20*	84
7 20	14 5.40	−19 57.3	1.525	1.958	30.9	21.1	99 E	19*	84
7 25	14 11.15	−20 11.0	1.563	1.943	31.4	21.2	95 E	18*	84
7 30	14 17.52	−20 27.5	1.601	1.928	31.8	21.2	92 E	17*	84*
8 4	14 24.49	−20 46.5	1.639	1.913	32.0	21.2	89 E	17*	82*
8 9	14 32.03	−21 7.6	1.676	1.898	32.2	21.3	86 E	16*	80*
8 14	14 40.11	−21 30.4	1.713	1.883	32.3	21.3	83 E	15*	77*
8 19	14 48.70	−21 54.6	1.749	1.869	32.3	21.3	80 E	15*	74*
8 24	14 57.78	−22 19.6	1.785	1.855	32.2	21.4	78 E	14*	72*
8 29	15 7.33	−22 45.0	1.819	1.841	32.0	21.4	75 E	13*	69*
9 3	15 17.33	−23 10.5	1.853	1.828	31.8	21.4	73 E	13*	67*
9 8	15 27.78	−23 35.7	1.887	1.814	31.5	21.4	70 E	13*	64*
9 13	15 38.65	−24 0.2	1.919	1.801	31.2	21.4	68 E	12*	62*
9 18	15 49.93	−24 23.4	1.951	1.789	30.8	21.4	66 E	12*	60*
9 23	16 1.59	−24 45.1	1.981	1.776	30.4	21.4	63 E	12*	57*
9 28	16 13.62	−25 4.9	2.011	1.764	29.9	21.4	61 E	12*	55*
10 3	16 26.00	−25 22.2	2.040	1.753	29.4	21.4	59 E	12*	53*
10 8	16 38.72	−25 36.9	2.068	1.742	28.8	21.4	57 E	12*	51*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	277175 2005 OS_{14} *(continuation)*								
	h m	° ′			°	m	°	°	°
10 13	16 51.76	−25 48.4	2.095	1.731	28.2	21.4	55 E	12*	49*
10 18	17 5.09	−25 56.5	2.122	1.721	27.6	21.4	53 E	12*	47*
10 23	17 18.68	−26 0.8	2.148	1.711	27.0	21.4	51 E	12*	45*
10 28	17 32.50	−26 1.1	2.173	1.702	26.3	21.4	49 E	12*	43*
11 2	17 46.53	−25 57.0	2.197	1.693	25.6	21.4	48 E	12*	41*
11 7	18 0.75	−25 48.4	2.221	1.685	24.9	21.4	46 E	13*	39*
11 12	18 15.11	−25 35.1	2.244	1.678	24.2	21.4	44 E	13*	37*
11 17	18 29.59	−25 16.8	2.266	1.671	23.4	21.4	42 E	13*	35*
11 22	18 44.14	−24 53.6	2.288	1.665	22.6	21.4	40 E	13*	33*
11 27	18 58.74	−24 25.3	2.310	1.659	21.8	21.4	39 E	14*	31*
12 2	19 13.37	−23 51.9	2.331	1.654	21.0	21.4	37 E	14*	29*
12 7	19 27.99	−23 13.5	2.352	1.650	20.2	21.4	35 E	14*	26*
12 12	19 42.57	−22 30.2	2.372	1.647	19.4	21.3	34 E	14*	24*
12 17	19 57.08	−21 42.1	2.392	1.644	18.5	21.3	32 E	14*	22*
12 22	20 11.51	−20 49.4	2.412	1.641	17.7	21.3	30 E	14*	20*
12 27	20 25.83	−19 52.2	2.431	1.640	16.8	21.3	29 E	14*	18*
1 1	20 40.04	−18 50.8	2.450	1.639	15.9	21.3	27 E	14*	16*
1 6	20 54.11	−17 45.4	2.469	1.639	15.1	21.3	26 E	13*	14*
1 11	21 8.04	−16 36.4	2.488	1.640	14.2	21.3	24 E	13*	13*
1 16	21 21.82	−15 24.1	2.506	1.641	13.3	21.2	23 E	12*	11*
1 21	21 35.44	−14 8.7	2.524	1.643	12.4	21.2	21 E	12*	9*
	405571 2005 QE_{87}								
3 7	14 52.95	+ 5 52.9	1.288	2.023	23.8	21.5	124 W	51	58
3 12	14 54.08	+ 7 21.9	1.250	2.025	22.5	21.4	129 W	52	57
3 17	14 54.29	+ 8 55.8	1.215	2.027	21.1	21.3	133 W	54	55
3 22	14 53.57	+10 33.3	1.185	2.028	19.7	21.2	137 W	56	53
3 27	14 51.92	+12 12.5	1.160	2.030	18.3	21.1	140 W	57	52
4 1	14 49.37	+13 51.5	1.140	2.031	17.1	21.0	143 W	59	50
4 6	14 45.97	+15 28.0	1.125	2.031	16.1	21.0	146 W	60	49
4 11	14 41.82	+16 59.6	1.115	2.032	15.4	20.9	147 W	62	47
4 16	14 37.04	+18 23.7	1.111	2.032	15.2	20.9	148 W	63	46
4 21	14 31.82	+19 38.2	1.113	2.032	15.5	20.9	147 W	65	44
4 26	14 26.35	+20 41.2	1.120	2.032	16.2	21.0	146 W	66	43
5 1	14 20.83	+21 31.6	1.132	2.032	17.2	21.0	143 E	67	42
5 6	14 15.47	+22 8.8	1.149	2.031	18.5	21.1	140 E	67	42
5 11	14 10.44	+22 32.6	1.171	2.030	19.8	21.2	137 E	68	41
5 16	14 5.92	+22 43.2	1.197	2.029	21.2	21.3	133 E	68	41
5 21	14 2.04	+22 41.6	1.226	2.028	22.6	21.4	130 E	68	41
5 26	13 58.90	+22 28.7	1.259	2.026	23.9	21.5	126 E	67	42
	302010 2000 SH_8								
3 7	14 54.92	−62 34.8	1.503	1.938	30.3	22.3	100 W	—	53
3 9	14 51.31	−63 41.2	1.498	1.948	30.0	22.3	101 W	—	52
3 11	14 47.09	−64 46.4	1.493	1.959	29.7	22.3	102 W	—	51
3 13	14 42.18	−65 49.9	1.489	1.969	29.4	22.3	103 W	—	50
3 15	14 36.53	−66 51.6	1.486	1.980	29.1	22.3	104 W	—	49
3 17	14 30.07	−67 51.0	1.483	1.990	28.9	22.3	105 W	—	48
3 19	14 22.73	−68 47.7	1.481	2.000	28.6	22.3	106 W	—	47
3 21	14 14.46	−69 41.5	1.480	2.010	28.3	22.3	107 W	—	46
3 23	14 5.21	−70 31.7	1.479	2.020	28.0	22.3	108 W	—	45
3 25	13 54.94	−71 18.1	1.479	2.030	27.7	22.3	109 W	—	45
3 27	13 43.64	−72 0.0	1.479	2.040	27.5	22.3	109 W	—	44
3 29	13 31.36	−72 37.1	1.481	2.050	27.2	22.3	110 W	—	43
3 31	13 18.15	−73 8.8	1.483	2.059	27.0	22.3	111 W	—	43
4 2	13 4.12	−73 34.9	1.486	2.069	26.8	22.3	111 W	—	42
4 4	12 49.46	−73 55.0	1.489	2.078	26.6	22.4	112 E	—	42
4 6	12 34.37	−74 8.8	1.494	2.087	26.4	22.4	112 E	—	42
4 7	12 26.74	−74 13.4	1.496	2.092	26.3	22.4	112 E	—	42
4 8	12 19.10	−74 16.4	1.499	2.096	26.2	22.4	112 E	—	42
4 9	12 11.48	−74 17.8	1.501	2.101	26.1	22.4	113 E	—	42
4 10	12 3.92	−74 17.8	1.504	2.105	26.0	22.4	113 E	—	42
4 11	11 56.44	−74 16.2	1.507	2.110	25.9	22.4	113 E	—	42
4 12	11 49.08	−74 13.2	1.511	2.114	25.9	22.4	113 E	—	42
4 13	11 41.87	−74 8.8	1.514	2.119	25.8	22.4	113 E	—	42
4 14	11 34.83	−74 3.1	1.518	2.123	25.7	22.4	113 E	—	42
4 15	11 27.97	−73 56.1	1.521	2.127	25.7	22.4	113 E	—	42
4 16	11 21.33	−73 47.8	1.525	2.132	25.6	22.4	113 E	—	42
4 17	11 14.92	−73 38.5	1.529	2.136	25.6	22.4	113 E	—	42
4 18	11 8.75	−73 28.0	1.534	2.140	25.5	22.4	113 E	—	43
4 19	11 2.83	−73 16.6	1.538	2.145	25.5	22.5	113 E	—	43
4 20	10 57.16	−73 4.3	1.543	2.149	25.4	22.5	113 E	—	43
4 21	10 51.75	−72 51.1	1.547	2.153	25.4	22.5	113 E	—	43
4 22	10 46.60	−72 37.1	1.552	2.157	25.3	22.5	113 E	—	43
4 23	10 41.72	−72 22.5	1.557	2.161	25.3	22.5	113 E	—	44
	390646 2002 PN_{56}								
3 7	14 55.10	− 9 3.7	1.416	2.117	23.4	21.3	122 W	36	73
3 17	14 59.23	− 8 17.4	1.294	2.086	21.1	21.0	131 W	37	72
3 27	15 0.28	− 7 12.5	1.185	2.056	18.0	20.7	141 W	38	71
4 6	14 58.02	− 5 51.4	1.093	2.025	14.1	20.3	151 W	39	70

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	390646 2002 PN_{56} *(continuation)*								
	h m	° ′			°	m	°	°	°
4 11	14 55.66	− 5 6.1	1.054	2.010	11.9	20.2	155 W	40	69
4 16	14 52.53	− 4 18.9	1.021	1.995	9.8	20.0	160 W	41	68
4 21	14 48.74	− 3 31.0	0.993	1.979	7.9	19.8	164 W	41	68
4 26	14 44.43	− 2 43.9	0.971	1.964	6.7	19.7	167 W	42	67
5 1	14 39.75	− 1 59.1	0.954	1.949	6.7	19.7	167 W	43	66
5 6	14 34.89	− 1 18.0	0.944	1.934	8.1	19.7	164 E	44	65
5 11	14 30.05	− 0 42.0	0.938	1.919	10.3	19.7	160 E	44	65
5 16	14 25.44	− 0 12.6	0.939	1.904	12.8	19.8	155 E	45	64
5 21	14 21.26	+ 0 9.3	0.944	1.890	15.5	19.9	150 E	45	64
5 26	14 17.67	+ 0 23.3	0.953	1.875	18.1	20.0	145 E	45	64
6 5	14 12.76	+ 0 26.8	0.984	1.847	22.9	20.2	135 E	45	64
6 15	14 11.35	− 0 1.0	1.028	1.820	26.9	20.4	126 E	45	64
6 25	14 13.63	− 0 56.2	1.081	1.793	30.2	20.5	117 E	44*	65
7 5	14 19.41	− 2 13.2	1.140	1.768	32.7	20.7	110 E	41*	66
7 15	14 28.43	− 3 47.2	1.203	1.745	34.5	20.8	103 E	38*	68
7 25	14 40.37	− 5 33.2	1.267	1.723	35.8	21.0	97 E	35*	70
8 4	14 54.88	− 7 26.8	1.333	1.703	36.6	21.1	92 E	32*	71
8 14	15 11.73	− 9 24.2	1.400	1.684	36.9	21.2	87 E	29*	73*
8 24	15 30.69	−11 21.4	1.467	1.668	36.9	21.2	82 E	27*	72*
9 3	15 51.56	−13 14.9	1.533	1.655	36.6	21.3	78 E	26*	70*
9 13	16 14.19	−15 1.2	1.600	1.644	36.1	21.4	74 E	24*	67*
9 23	16 38.42	−16 36.9	1.667	1.636	35.4	21.4	71 E	23*	63*
10 3	17 4.04	−17 58.9	1.735	1.630	34.4	21.5	67 E	22*	60*
	511434 2014 *JA*								
3 7	15 9.94	+ 9 21.0	1.155	1.865	27.3	21.3	120 W	54	55
3 12	15 10.16	+ 9 23.8	1.108	1.861	26.1	21.2	125 W	54	55
3 17	15 9.25	+ 9 26.2	1.063	1.857	24.6	21.0	129 W	54	55
3 22	15 7.15	+ 9 27.1	1.021	1.853	22.9	20.9	134 W	54	55
3 27	15 3.82	+ 9 25.2	0.982	1.849	21.1	20.7	138 W	54	55
4 1	14 59.24	+ 9 19.1	0.947	1.845	19.0	20.6	143 W	54	55
4 6	14 53.45	+ 9 7.4	0.916	1.841	16.9	20.4	148 W	54	55
4 11	14 46.52	+ 8 48.8	0.890	1.836	14.8	20.3	152 W	54	55
4 16	14 38.62	+ 8 21.7	0.869	1.832	12.9	20.2	156 W	53	56
4 21	14 29.97	+ 7 45.1	0.855	1.827	11.6	20.1	159 W	53	56
4 26	14 20.88	+ 6 58.5	0.846	1.823	11.1	20.0	160 W	52	57
5 1	14 11.64	+ 6 2.0	0.843	1.818	11.8	20.0	158 E	51	58
5 6	14 2.59	+ 4 56.2	0.847	1.813	13.4	20.1	155 E	50	59
5 11	13 54.03	+ 3 42.3	0.856	1.808	15.6	20.2	151 E	49	60
5 16	13 46.23	+ 2 21.7	0.872	1.804	18.0	20.3	147 E	47	62
5 21	13 39.41	+ 0 55.8	0.892	1.799	20.5	20.4	142 E	46	63
5 26	13 33.70	− 0 33.8	0.918	1.794	22.9	20.6	137 E	44	65
5 31	13 29.15	− 2 5.7	0.947	1.789	25.1	20.7	132 E	43	66
6 5	13 25.79	− 3 38.8	0.980	1.784	27.1	20.8	127 E	41	68
6 10	13 23.61	− 5 12.3	1.017	1.778	28.9	21.0	122 E	40*	69
6 15	13 22.57	− 6 45.8	1.056	1.773	30.5	21.1	118 E	38*	71
6 20	13 22.61	− 8 18.7	1.097	1.768	31.8	21.2	114 E	35*	72
6 25	13 23.64	− 9 50.8	1.139	1.763	32.9	21.3	110 E	32*	74
6 30	13 25.61	−11 21.9	1.183	1.758	33.8	21.4	106 E	30*	75
7 5	13 28.44	−12 51.9	1.228	1.753	34.5	21.5	102 E	27*	77
	340836 2006 VO_{13}								
3 7	15 10.49	−15 0.8	1.662	2.290	22.7	21.3	117 W	30	79
3 17	15 13.34	−15 22.9	1.519	2.254	20.9	21.0	126 W	30	79
3 27	15 13.09	−15 36.4	1.388	2.218	18.2	20.7	136 W	29	80
4 6	15 9.40	−15 41.1	1.273	2.180	14.5	20.3	147 W	29	80
4 16	15 2.16	−15 36.6	1.177	2.142	10.0	20.0	158 W	29	80
4 26	14 51.79	−15 23.6	1.104	2.103	4.5	19.5	171 W	30	79
5 1	14 45.73	−15 14.5	1.077	2.084	1.5	19.3	177 W	30	79
5 6	14 39.31	−15 4.2	1.056	2.064	1.6	19.2	177 E	30	79
5 11	14 32.76	−14 53.3	1.041	2.044	4.8	19.3	170 E	30	79
5 16	14 26.30	−14 42.7	1.033	2.024	7.9	19.5	164 E	30	79
5 21	14 20.18	−14 33.1	1.030	2.004	11.1	19.6	158 E	30	79
5 26	14 14.59	−14 25.4	1.033	1.984	14.1	19.7	152 E	31	78
5 31	14 9.70	−14 20.3	1.041	1.963	17.0	19.8	146 E	31	78
6 5	14 5.65	−14 18.5	1.054	1.943	19.7	19.8	140 E	31	78
6 15	14 0.44	−14 26.6	1.089	1.902	24.5	20.0	129 E	31	78
6 25	13 59.33	−14 52.1	1.136	1.861	28.4	20.2	120 E	29*	79
7 5	14 2.23	−15 34.5	1.190	1.820	31.5	20.3	111 E	27*	80
7 15	14 8.90	−16 32.5	1.247	1.780	33.8	20.4	103 E	24*	81
7 25	14 19.00	−17 43.5	1.305	1.740	35.5	20.5	96 E	21*	82
8 4	14 32.22	−19 4.2	1.362	1.701	36.6	20.6	90 E	19*	82*
8 14	14 48.32	−20 31.7	1.416	1.663	37.3	20.7	85 E	17*	78*
8 24	15 7.11	−22 2.1	1.468	1.627	37.7	20.7	80 E	15*	74*
9 3	15 28.45	−23 31.6	1.516	1.593	37.8	20.7	75 E	14*	69*
9 13	15 52.24	−24 56.2	1.562	1.561	37.6	20.7	71 E	13*	65*
9 23	16 18.36	−26 11.2	1.604	1.531	37.2	20.8	67 E	12*	61*
10 3	16 46.65	−27 12.0	1.644	1.505	36.7	20.8	64 E	12*	58*
10 13	17 16.92	−27 54.0	1.682	1.482	36.1	20.8	61 E	12*	55*
10 23	17 48.85	−28 12.9	1.719	1.463	35.3	20.8	58 E	13*	52*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
340836 2006 VO_{13} *(continuation)*									
11 2	18 22.05	−28 5.1	1.756	1.448	34.4	20.8	56 E	13*	49*
11 12	18 56.07	−27 28.1	1.794	1.437	33.4	20.8	53 E	14*	46*
11 22	19 30.40	−26 20.9	1.834	1.431	32.3	20.8	51 E	16*	43*
12 2	20 4.56	−24 44.3	1.877	1.430	31.1	20.8	49 E	17*	40*
12 12	20 38.17	−22 40.4	1.923	1.433	29.8	20.8	46 E	19*	37*
12 22	21 10.92	−20 12.6	1.973	1.441	28.4	20.8	44 E	20*	33*
1 1	21 42.64	−17 25.4	2.027	1.454	26.9	20.9	42 E	22*	30*
1 11	22 13.26	−14 23.3	2.085	1.471	25.3	20.9	40 E	23*	26*
1 21	22 42.79	−11 11.2	2.147	1.492	23.7	20.9	37 E	23*	23*
404631 2014 HT_9									
3 7	15 18.89	−14 45.4	1.658	2.264	23.4	21.4	115 W	30	79
3 17	15 23.14	−15 14.2	1.520	2.233	21.7	21.1	124 W	30	79
3 27	15 24.46	−15 36.2	1.393	2.202	19.2	20.8	133 W	29	80
4 6	15 22.48	−15 51.7	1.281	2.170	15.8	20.5	144 W	29	80
4 16	15 17.04	−16 0.8	1.187	2.138	11.6	20.1	155 W	29	80
4 26	15 8.42	−16 3.9	1.114	2.106	6.4	19.7	166 W	29	80
5 1	15 3.17	−16 3.7	1.086	2.090	3.6	19.5	173 W	29	80
5 6	14 57.48	−16 2.5	1.065	2.074	0.7	19.2	179 W	29	80
5 11	14 51.55	−16 0.8	1.050	2.058	2.5	19.3	175 E	29	80
5 16	14 45.60	−15 59.1	1.040	2.042	5.5	19.5	169 E	29	80
5 21	14 39.86	−15 58.0	1.037	2.026	8.6	19.6	163 E	29	80
5 26	14 34.54	−15 58.2	1.040	2.010	11.5	19.7	157 E	29	80
5 31	14 29.81	−16 0.3	1.047	1.994	14.4	19.8	151 E	29	80
6 5	14 25.82	−16 4.8	1.060	1.979	17.1	19.9	145 E	29	80
6 15	14 20.49	−16 22.6	1.097	1.948	21.9	20.1	134 E	29	80
6 25	14 19.08	−16 54.1	1.148	1.918	25.8	20.3	125 E	28*	81
7 5	14 21.58	−17 39.3	1.208	1.889	29.0	20.5	116 E	26*	82
7 15	14 27.78	−18 37.0	1.274	1.860	31.3	20.6	108 E	24*	83
7 25	14 37.37	−19 45.1	1.343	1.833	32.9	20.7	101 E	21*	84
8 4	14 50.00	−21 0.5	1.414	1.808	34.0	20.9	95 E	19*	85
8 14	15 5.38	−22 20.2	1.485	1.783	34.6	20.9	89 E	17*	83*
8 24	15 23.28	−23 40.9	1.556	1.761	34.8	21.0	84 E	15*	78*
9 3	15 43.45	−24 59.1	1.625	1.740	34.7	21.1	79 E	14*	73*
9 13	16 5.74	−26 11.2	1.694	1.722	34.3	21.1	74 E	13*	68*
9 23	16 29.94	−27 13.8	1.761	1.706	33.6	21.2	70 E	12*	64*
10 3	16 55.83	−28 3.4	1.826	1.692	32.8	21.2	66 E	12*	60*
10 13	17 23.20	−28 36.8	1.891	1.681	31.8	21.3	62 E	12*	56*
10 23	17 51.73	−28 51.4	1.954	1.672	30.6	21.3	59 E	12*	53*
11 2	18 21.10	−28 45.0	2.018	1.667	29.3	21.3	55 E	13*	49*
11 12	18 51.00	−28 16.4	2.081	1.664	27.9	21.3	52 E	13*	45*
11 22	19 21.05	−27 25.1	2.143	1.664	26.4	21.4	49 E	14*	42*
12 2	19 50.94	−26 11.9	2.206	1.667	24.9	21.4	45 E	15*	37*
12 12	20 20.41	−24 37.9	2.269	1.673	23.2	21.4	42 E	16*	33*
12 22	20 49.25	−22 45.3	2.332	1.682	21.5	21.4	39 E	16*	29*
1 1	21 17.32	−20 36.7	2.395	1.693	19.7	21.4	35 E	16*	25*
1 11	21 44.55	−18 14.6	2.458	1.707	17.8	21.4	32 E	16*	21*
1 21	22 10.93	−15 42.2	2.520	1.723	16.0	21.5	29 E	15*	18*
65909 1998 FH_{12}									
3 7	15 20.07	−11 50.3	0.904	1.604	34.0	21.4	115 W	33	76
3 17	15 15.10	−10 46.7	0.828	1.631	29.3	21.1	127 W	34	75
3 27	15 3.68	− 9 15.6	0.761	1.652	23.1	20.8	139 W	36	73
4 6	14 45.66	− 7 18.0	0.710	1.667	15.5	20.4	154 W	38	71
4 11	14 34.47	− 6 11.6	0.693	1.672	11.3	20.2	161 W	39	70
4 16	14 22.24	− 5 2.6	0.682	1.676	7.4	20.0	168 W	40	69
4 21	14 9.42	− 3 54.0	0.678	1.679	5.2	19.9	171 W	41	68
4 26	13 56.51	− 2 48.5	0.682	1.680	6.8	20.0	169 E	42	67
5 1	13 44.01	− 1 49.1	0.692	1.680	10.6	20.2	162 E	43	66
5 6	13 32.36	− 0 57.9	0.708	1.678	14.7	20.4	155 E	44	65
5 11	13 21.91	− 0 16.3	0.731	1.675	18.7	20.6	148 E	45	64
5 16	13 12.91	+ 0 14.7	0.758	1.670	22.4	20.8	141 E	45	64
5 21	13 5.46	+ 0 35.2	0.790	1.664	25.7	21.0	135 E	46	63
5 26	12 59.58	+ 0 45.9	0.825	1.657	28.6	21.1	128 E	46	63
5 31	12 55.21	+ 0 47.5	0.863	1.648	31.2	21.3	123 E	46	63
6 5	12 52.26	+ 0 41.1	0.902	1.638	33.4	21.4	117 E	45*	63
215197 2000 SN_{42}									
3 7	15 29.01	−15 29.3	1.204	1.830	30.1	21.4	113 W	30	79
3 17	15 34.89	−15 7.9	1.121	1.845	27.5	21.2	121 W	30	79
3 27	15 36.85	−14 29.1	1.047	1.859	24.0	21.0	131 W	31	78
4 6	15 34.60	−13 34.3	0.985	1.873	19.6	20.7	141 W	31	78
4 16	15 28.20	−12 25.7	0.939	1.886	14.2	20.4	152 W	33	76
4 21	15 23.65	−11 48.0	0.922	1.893	11.3	20.3	158 W	33	76
4 26	15 18.41	−11 9.2	0.912	1.899	8.4	20.2	164 W	34	75
5 1	15 12.66	−10 30.4	0.906	1.905	5.7	20.0	169 W	34	75
5 6	15 6.63	− 9 52.9	0.907	1.912	4.0	20.0	172 W	35	74
5 11	15 0.57	− 9 17.9	0.913	1.917	4.7	20.0	171 E	36	73
5 16	14 54.71	− 8 46.6	0.926	1.923	7.0	20.2	167 E	36	73

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
215197 2000 SN_{42} *(continuation)*									
5 21	14 49.29	− 8 20.2	0.944	1.929	9.8	20.3	161 E	37	72
5 26	14 44.49	− 7 59.2	0.967	1.934	12.6	20.5	155 E	37	72
5 31	14 40.43	− 7 44.2	0.995	1.940	15.2	20.7	150 E	37	72
6 5	14 37.21	− 7 35.2	1.028	1.945	17.7	20.8	144 E	37	72
6 10	14 34.89	− 7 32.3	1.065	1.950	19.9	21.0	139 E	37	72
6 15	14 33.48	− 7 35.2	1.106	1.955	21.9	21.1	134 E	37	72
6 20	14 32.98	− 7 43.6	1.150	1.959	23.6	21.3	129 E	37	72
6 25	14 33.37	− 7 56.9	1.197	1.964	25.1	21.4	125 E	37*	72
516783 2009 XD_8									
3 7	15 32.28	−47 21.7	1.635	2.082	27.8	21.4	102 W	—	69
3 12	15 37.19	−48 18.8	1.571	2.069	27.6	21.3	105 W	—	68
3 17	15 41.33	−49 14.0	1.508	2.055	27.3	21.2	109 W	—	67
3 22	15 44.60	−50 7.0	1.447	2.042	26.9	21.1	112 W	—	66
3 27	15 46.87	−50 57.2	1.387	2.027	26.4	20.9	115 W	—	65
4 1	15 48.03	−51 44.0	1.330	2.013	25.7	20.8	119 W	—	64
4 6	15 47.94	−52 26.4	1.274	1.999	25.0	20.7	122 W	—	64
4 11	15 46.49	−53 3.1	1.221	1.984	24.1	20.5	126 W	—	63
4 16	15 43.59	−53 32.6	1.171	1.968	23.1	20.4	130 W	—	62
4 21	15 39.24	−53 53.1	1.124	1.953	22.1	20.3	133 W	—	62
4 26	15 33.49	−54 2.5	1.080	1.937	21.0	20.1	136 W	—	62
5 1	15 26.49	−53 59.0	1.040	1.922	19.9	20.0	140 W	—	62
5 6	15 18.48	−53 40.5	1.004	1.905	18.8	19.9	142 W	—	62
5 11	15 9.80	−53 5.2	0.972	1.889	18.0	19.8	145 E	—	63
5 16	15 0.90	−52 12.3	0.945	1.873	17.4	19.7	146 E	—	64
5 21	14 52.26	−51 1.8	0.923	1.856	17.3	19.6	147 E	—	65
5 26	14 44.32	−49 34.7	0.906	1.839	17.6	19.5	147 E	—	66
5 31	14 37.41	−47 53.3	0.894	1.822	18.4	19.5	145 E	—	68
6 5	14 31.78	−46 0.0	0.887	1.805	19.7	19.5	143 E	—	70
6 10	14 27.61	−43 58.3	0.884	1.788	21.3	19.5	140 E	1	72
6 15	14 24.95	−41 51.6	0.887	1.770	23.1	19.6	137 E	3	74
6 20	14 23.80	−39 43.4	0.894	1.753	25.0	19.6	133 E	5	76
6 25	14 24.09	−37 36.6	0.904	1.735	27.0	19.7	129 E	7*	78
6 30	14 25.71	−35 33.4	0.918	1.718	29.0	19.8	125 E	9*	80
7 5	14 28.54	−33 35.7	0.936	1.700	30.8	19.8	121 E	11*	82
7 10	14 32.50	−31 44.6	0.955	1.682	32.6	19.9	117 E	12*	84
7 15	14 37.47	−30 1.0	0.978	1.665	34.1	20.0	113 E	13*	86
7 20	14 43.35	−28 25.2	1.002	1.647	35.6	20.0	109 E	14*	88
7 25	14 50.03	−26 57.0	1.027	1.630	36.8	20.1	106 E	15*	89
8 4	15 5.52	−24 21.9	1.081	1.596	38.9	20.2	99 E	17*	88
8 14	15 23.42	−22 11.7	1.138	1.562	40.4	20.3	93 E	18*	86*
8 24	15 43.31	−20 21.1	1.194	1.530	41.3	20.4	87 E	20*	81*
9 3	16 4.88	−18 44.1	1.250	1.499	41.8	20.5	82 E	22*	75*
9 13	16 27.92	−17 15.6	1.304	1.470	42.0	20.5	78 E	23*	71*
9 23	16 52.23	−15 50.8	1.354	1.444	41.9	20.6	74 E	25*	66*
10 3	17 17.66	−14 25.4	1.402	1.419	41.5	20.6	70 E	27*	61*
10 13	17 44.11	−12 56.1	1.446	1.398	41.0	20.6	67 E	28*	57*
10 23	18 11.45	−11 19.8	1.488	1.380	40.4	20.7	64 E	30*	52*
11 2	18 39.59	− 9 34.5	1.527	1.366	39.6	20.7	61 E	32*	47*
11 12	19 8.46	− 7 38.6	1.563	1.356	38.8	20.7	59 E	34*	43*
11 22	19 37.96	− 5 31.3	1.599	1.350	38.0	20.7	57 E	36*	38*
12 2	20 8.00	− 3 12.9	1.634	1.349	37.1	20.7	56 E	38*	33*
12 12	20 38.54	− 0 44.2	1.671	1.351	36.1	20.7	54 E	40*	28*
12 22	21 9.47	+ 1 53.2	1.710	1.358	35.1	20.8	53 E	41*	24*
1 1	21 40.74	+ 4 36.6	1.753	1.369	34.0	20.8	51 E	42*	20*
1 11	22 12.28	+ 7 23.2	1.800	1.384	32.8	20.9	50 E	42*	16*
1 21	22 44.00	+10 9.5	1.852	1.403	31.5	20.9	48 E	41*	14*
193822 2001 QD_{20}									
3 7	15 32.45	−14 7.6	1.918	2.468	21.9	21.4	112 W	31	78
3 17	15 36.51	−13 56.8	1.774	2.441	20.5	21.2	121 W	31	78
3 27	15 37.86	−13 35.2	1.641	2.412	18.3	20.9	131 W	31	78
4 6	15 36.26	−13 2.9	1.522	2.383	15.4	20.6	141 W	32	77
4 16	15 31.56	−12 21.0	1.422	2.354	11.7	20.3	152 W	33	76
4 26	15 24.04	−11 32.1	1.343	2.323	7.4	20.0	163 W	33	76
5 1	15 19.42	−11 6.1	1.313	2.308	5.2	19.8	168 W	34	75
5 6	15 14.38	−10 40.1	1.289	2.293	3.5	19.7	172 W	34	75
5 11	15 9.07	−10 14.6	1.272	2.277	3.4	19.6	172 E	35	74
5 16	15 3.66	− 9 50.7	1.261	2.261	5.0	19.7	169 E	35	74
5 21	14 58.35	− 9 29.1	1.257	2.246	7.4	19.8	163 E	36	73
5 26	14 53.29	− 9 10.5	1.259	2.230	9.9	19.9	158 E	36	73
6 5	14 44.55	− 8 44.9	1.279	2.198	14.7	20.1	147 E	36	73
6 15	14 38.43	− 8 37.4	1.319	2.165	19.1	20.2	136 E	36	73
6 25	14 35.50	− 8 48.9	1.374	2.133	22.8	20.4	126 E	36*	73
7 5	14 35.87	− 9 18.3	1.439	2.100	25.7	20.6	117 E	35*	73
7 15	14 39.47	−10 3.4	1.512	2.068	27.9	20.7	108 E	33*	74
7 25	14 46.07	−11 1.3	1.589	2.035	29.4	20.8	100 E	30*	75
8 4	14 55.39	−12 8.9	1.667	2.003	30.4	20.9	93 E	27*	76
8 14	15 7.17	−13 23.4	1.745	1.971	30.9	21.0	87 E	25*	76*
8 24	15 21.19	−14 41.8	1.820	1.939	31.0	21.1	81 E	23*	73*

193822 2001 QD_{20} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
9 3	15 37.25	−16 1.5	1.893	1.908	30.8	21.1	75 E	22*	68*
9 13	15 55.21	−17 19.6	1.962	1.878	30.3	21.1	70 E	20*	64*
9 23	16 14.95	−18 33.6	2.027	1.849	29.6	21.2	65 E	19*	59*
10 3	16 36.31	−19 40.6	2.088	1.821	28.6	21.2	61 E	18*	54*
10 13	16 59.22	−20 38.2	2.145	1.794	27.5	21.2	56 E	17*	50*
10 23	17 23.52	−21 23.7	2.197	1.769	26.3	21.1	52 E	17*	45*
11 2	17 49.05	−21 54.9	2.246	1.745	25.0	21.1	48 E	16*	41*
11 12	18 15.66	−22 9.5	2.290	1.724	23.6	21.1	44 E	16*	36*
11 22	18 43.12	−22 6.0	2.332	1.704	22.1	21.1	40 E	16*	32*
12 2	19 11.22	−21 43.1	2.370	1.687	20.5	21.0	37 E	16*	27*
12 12	19 39.74	−21 0.2	2.406	1.673	18.9	21.0	33 E	15*	23*
12 22	20 8.42	−19 57.6	2.439	1.661	17.2	20.9	30 E	15*	19*
1 1	20 37.09	−18 36.0	2.471	1.652	15.5	20.9	27 E	14*	16*
1 11	21 5.58	−16 56.6	2.501	1.645	13.7	20.9	23 E	12*	12*
1 21	21 33.73	−15 1.6	2.529	1.642	12.0	20.8	20 E	11*	9*

415754 2000 QU_{122}

3 7	15 50.61	−28 33.1	1.838	2.298	24.7	21.4	105 W	16	87
3 17	15 58.73	−29 47.5	1.690	2.264	24.0	21.1	112 W	15	86
3 27	16 4.39	−30 59.0	1.551	2.231	22.6	20.9	121 W	14	85
4 6	16 7.07	−32 6.9	1.422	2.197	20.6	20.6	129 W	13	84
4 16	16 6.26	−33 8.5	1.306	2.163	17.9	20.3	139 W	12	83
4 26	16 1.66	−33 59.5	1.207	2.129	14.5	20.0	148 W	11	82
5 1	15 57.97	−34 19.3	1.165	2.112	12.6	19.8	153 W	11	82
5 6	15 53.41	−34 34.1	1.128	2.095	10.7	19.6	157 W	10	81
5 11	15 48.12	−34 43.2	1.096	2.078	9.0	19.5	161 W	10	81
5 16	15 42.27	−34 45.9	1.070	2.061	7.7	19.4	164 W	10	81
5 21	15 36.09	−34 41.9	1.049	2.044	7.3	19.3	165 E	10	81
5 26	15 29.83	−34 31.3	1.034	2.027	8.0	19.3	164 E	10	81
5 31	15 23.74	−34 14.6	1.025	2.010	9.6	19.3	161 E	11	82
6 5	15 18.07	−33 52.6	1.022	1.994	11.7	19.4	157 E	11	82
6 10	15 13.04	−33 26.4	1.023	1.977	14.0	19.4	152 E	12	83
6 15	15 8.87	−32 57.3	1.030	1.961	16.4	19.5	147 E	12	83
6 20	15 5.69	−32 26.9	1.041	1.945	18.8	19.6	142 E	13	84
6 25	15 3.60	−31 56.5	1.055	1.929	21.0	19.7	137 E	13	84
6 30	15 2.62	−31 27.1	1.074	1.913	23.1	19.8	132 E	14	85
7 5	15 2.77	−30 59.7	1.095	1.898	25.0	19.8	128 E	14*	85
7 15	15 6.42	−30 13.1	1.145	1.868	28.3	20.0	119 E	14*	86
7 25	15 14.22	−29 39.4	1.203	1.839	30.9	20.1	112 E	14*	86
8 4	15 25.71	−29 17.6	1.265	1.811	32.8	20.3	105 E	13*	87
8 14	15 40.47	−29 5.3	1.331	1.785	34.2	20.4	98 E	13*	87
8 24	15 58.06	−28 59.1	1.398	1.761	35.0	20.5	93 E	13*	85*
9 3	16 18.10	−28 54.8	1.465	1.739	35.4	20.6	87 E	13*	80*
9 13	16 40.27	−28 48.4	1.533	1.719	35.5	20.7	82 E	13*	76*
9 23	17 4.23	−28 35.9	1.601	1.702	35.2	20.7	78 E	14*	72*
10 3	17 29.64	−28 13.7	1.669	1.687	34.7	20.8	74 E	14*	68*
10 13	17 56.20	−27 39.1	1.737	1.675	33.9	20.8	70 E	15*	64*
10 23	18 23.58	−26 49.6	1.805	1.666	33.0	20.9	66 E	16*	60*
11 2	18 51.45	−25 43.7	1.874	1.660	31.9	20.9	62 E	17*	55*
11 12	19 19.53	−24 20.9	1.942	1.657	30.6	21.0	59 E	19*	51*
11 22	19 47.55	−22 41.2	2.012	1.658	29.3	21.0	55 E	20*	46*
12 2	20 15.29	−20 45.4	2.082	1.661	27.8	21.0	52 E	22*	41*
12 12	20 42.61	−18 35.0	2.152	1.667	26.2	21.1	48 E	23*	36*
12 22	21 9.39	−16 11.9	2.223	1.677	24.5	21.1	45 E	24*	31*
1 1	21 35.57	−13 38.1	2.294	1.689	22.7	21.1	42 E	25*	27*
1 11	22 1.16	−10 56.0	2.366	1.704	20.9	21.2	38 E	25*	22*
1 21	22 26.14	− 8 7.9	2.437	1.722	19.0	21.2	35 E	24*	18*

325152 2008 EC_{169}

3 7	15 51.44	− 4 34.5	2.762	3.225	16.9	21.4	109 W	40	69
3 17	15 53.50	− 3 27.2	2.612	3.203	15.9	21.3	118 W	42	67
3 27	15 53.42	− 2 10.0	2.475	3.182	14.4	21.1	127 W	43	66
4 6	15 51.12	− 0 45.2	2.354	3.159	12.5	20.9	137 W	44	65
4 16	15 46.62	+ 0 43.6	2.254	3.135	10.4	20.7	146 W	46	63
4 26	15 40.17	+ 2 11.3	2.178	3.110	8.3	20.5	153 W	47	62
5 6	15 32.24	+ 3 31.9	2.128	3.085	7.1	20.4	158 W	49	60
5 11	15 27.92	+ 4 7.6	2.114	3.072	7.2	20.4	158 W	49	60
5 16	15 23.50	+ 4 39.4	2.106	3.059	7.7	20.4	156 E	50	59
5 21	15 19.07	+ 5 6.6	2.105	3.045	8.5	20.4	154 E	50	59
5 26	15 14.76	+ 5 28.8	2.111	3.031	9.6	20.5	150 E	50	59
6 5	15 6.82	+ 5 57.2	2.141	3.003	12.1	20.6	142 E	51	58
6 15	15 0.34	+ 6 4.1	2.192	2.974	14.6	20.7	133 E	51	58
6 25	14 55.81	+ 5 50.7	2.261	2.945	16.8	20.8	123 E	51	58
7 5	14 53.45	+ 5 19.9	2.343	2.914	18.5	20.9	114 E	50*	59
7 15	14 53.34	+ 4 34.6	2.433	2.883	19.8	21.0	106 E	48*	59
7 25	14 55.42	+ 3 38.2	2.529	2.850	20.7	21.1	98 E	45*	60
8 4	14 59.56	+ 2 33.5	2.627	2.817	21.1	21.2	90 E	41*	61
8 14	15 5.59	+ 1 23.1	2.724	2.783	21.2	21.2	83 E	38*	62*
8 24	15 13.36	+ 0 9.1	2.817	2.749	20.9	21.3	76 E	36*	60*

325152 2008 EC_{169} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
9 3	15 22.69	− 1 6.6	2.904	2.713	20.3	21.3	69 E	33*	56*
9 13	15 33.46	− 2 22.4	2.985	2.677	19.5	21.3	63 E	31*	51*
9 23	15 45.55	− 3 36.7	3.057	2.640	18.5	21.3	57 E	29*	45*
10 3	15 58.85	− 4 48.2	3.120	2.603	17.3	21.3	51 E	27*	40*
10 13	16 13.28	− 5 55.7	3.172	2.565	16.0	21.2	45 E	25*	34*
10 23	16 28.75	− 6 57.9	3.214	2.526	14.5	21.2	39 E	23*	28*
11 2	16 45.18	− 7 53.7	3.244	2.487	13.0	21.1	34 E	21*	21*
11 12	17 2.54	− 8 42.0	3.263	2.447	11.4	21.0	29 E	19*	15*
11 22	17 20.72	− 9 21.7	3.271	2.406	9.8	20.9	24 E	16*	9*
12 2	17 39.68	− 9 51.9	3.267	2.366	8.3	20.8	20 E	14*	3*
12 12	17 59.34	−10 11.7	3.252	2.325	6.9	20.7	17 E	11*	—
12 22	18 19.63	−10 20.4	3.226	2.283	5.9	20.6	14 E	7*	—
1 1	18 40.48	−10 17.5	3.190	2.242	5.6	20.5	13 W	4*	—
1 11	19 1.82	−10 2.6	3.145	2.200	6.0	20.5	13 W	7*	—
1 21	19 23.56	− 9 35.5	3.091	2.159	7.0	20.4	16 W	9*	—

207943 1979 MN_4

3 7	15 53.63	−23 53.0	2.220	2.656	21.2	21.5	105 W	21	88
3 17	15 58.51	−24 9.1	2.058	2.623	20.3	21.3	114 W	21	88
3 27	16 0.90	−24 16.7	1.904	2.588	18.8	21.0	123 W	21	88
4 6	16 0.46	−24 14.7	1.762	2.553	16.6	20.8	133 W	21	88
4 16	15 56.94	−24 1.3	1.636	2.516	13.7	20.5	144 W	21	88
4 26	15 50.36	−23 34.7	1.530	2.479	9.9	20.1	155 W	21	88
5 6	15 41.12	−22 54.0	1.447	2.440	5.4	19.8	167 W	22	87
5 11	15 35.76	−22 28.4	1.416	2.421	3.1	19.6	173 W	23	86
5 16	15 30.08	−21 59.7	1.391	2.401	1.2	19.4	177 E	23	86
5 21	15 24.28	−21 28.4	1.373	2.381	2.7	19.5	174 E	24	85
5 26	15 18.53	−20 55.4	1.361	2.361	5.2	19.6	168 E	24	85
5 31	15 13.01	−20 21.5	1.356	2.341	7.8	19.7	162 E	25	84
6 5	15 7.87	−19 47.7	1.358	2.320	10.4	19.8	156 E	25	84
6 10	15 3.27	−19 14.8	1.365	2.299	12.9	19.8	150 E	26	83
6 15	14 59.34	−18 43.9	1.378	2.278	15.2	19.9	144 E	26	83
6 20	14 56.17	−18 15.8	1.395	2.257	17.4	20.0	138 E	27	82
6 25	14 53.81	−17 51.0	1.417	2.236	19.5	20.1	133 E	27	82
7 5	14 51.64	−17 13.0	1.470	2.193	23.0	20.2	123 E	27*	81
7 15	14 52.88	−16 51.6	1.534	2.150	25.7	20.4	113 E	27*	81
7 25	14 57.39	−16 46.3	1.604	2.106	27.8	20.5	105 E	25*	81
8 4	15 4.87	−16 55.0	1.676	2.062	29.2	20.6	97 E	24*	81
8 14	15 15.06	−17 15.3	1.747	2.017	30.1	20.6	90 E	22*	80*
8 24	15 27.73	−17 44.1	1.817	1.973	30.6	20.7	83 E	21*	76*
9 3	15 42.62	−18 18.3	1.883	1.929	30.7	20.7	77 E	20*	71*
9 13	15 59.61	−18 54.8	1.944	1.885	30.4	20.7	72 E	19*	65*
9 23	16 18.52	−19 30.6	1.999	1.841	29.9	20.7	66 E	19*	60*
10 3	16 39.23	−20 2.5	2.049	1.799	29.2	20.7	61 E	18*	55*
10 13	17 1.63	−20 27.5	2.093	1.757	28.4	20.7	57 E	18*	50*
10 23	17 25.60	−20 42.7	2.131	1.717	27.4	20.6	52 E	18*	45*
11 2	17 50.99	−20 45.2	2.163	1.678	26.3	20.6	48 E	18*	41*
11 12	18 17.67	−20 32.4	2.191	1.642	25.1	20.5	45 E	18*	36*
11 22	18 45.42	−20 2.0	2.214	1.608	23.9	20.5	41 E	18*	32*
12 2	19 14.05	−19 12.5	2.234	1.577	22.6	20.4	38 E	18*	27*
12 12	19 43.36	−18 2.6	2.252	1.549	21.3	20.4	35 E	18*	23*
12 22	20 13.11	−16 32.2	2.268	1.525	19.9	20.3	32 E	18*	19*
1 1	20 43.11	−14 41.8	2.284	1.504	18.6	20.2	29 E	18*	15*
1 11	21 13.20	−12 32.7	2.300	1.489	17.3	20.2	27 E	17*	12*
1 21	21 43.21	−10 7.2	2.318	1.477	15.9	20.1	24 E	16*	9*

344093 1999 RB_{19}

3 7	16 12.30	−23 16.1	1.617	2.051	28.4	21.4	101 W	22	87
3 17	16 25.42	−23 36.2	1.469	2.012	28.1	21.1	108 W	21	88
3 27	16 36.78	−23 45.4	1.329	1.972	27.2	20.8	115 W	21	88
4 6	16 45.96	−23 43.6	1.196	1.933	25.7	20.5	123 W	21	88
4 16	16 52.36	−23 29.8	1.073	1.893	23.4	20.1	131 W	22	87
4 26	16 55.47	−23 3.2	0.963	1.853	20.2	19.8	141 W	22	87
5 6	16 54.89	−22 22.9	0.867	1.814	15.9	19.4	150 W	23	86
5 16	16 50.47	−21 27.9	0.788	1.776	10.6	18.9	161 W	24	85
5 21	16 46.96	−20 55.0	0.756	1.757	7.5	18.7	167 W	24	85
5 26	16 42.76	−20 19.1	0.729	1.738	4.4	18.4	173 W	25	84
5 31	16 38.04	−19 40.6	0.706	1.720	1.6	18.1	177 W	25	84
6 5	16 33.02	−19 0.5	0.689	1.701	3.3	18.2	174 E	26	83
6 10	16 27.97	−18 19.8	0.676	1.684	6.8	18.3	169 E	27	82
6 15	16 23.16	−17 39.9	0.669	1.666	10.5	18.4	163 E	27	82
6 20	16 18.87	−17 2.2	0.666	1.649	14.0	18.5	157 E	28	81
6 25	16 15.34	−16 27.9	0.667	1.632	17.5	18.6	151 E	29	80
6 30	16 12.72	−15 58.1	0.672	1.616	20.8	18.7	146 E	29	80
7 5	16 11.17	−15 33.4	0.680	1.601	23.8	18.8	141 E	29	80
7 15	16 11.59	−15 1.1	0.705	1.572	29.2	19.0	131 E	30	79
7 25	16 16.86	−14 51.0	0.738	1.545	33.6	19.2	123 E	30*	79
8 4	16 26.70	−14 59.4	0.778	1.522	36.9	19.4	116 E	30*	79
8 14	16 40.72	−15 20.9	0.822	1.502	39.5	19.5	109 E	29*	79

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
344093 1999 RB_{19} *(continuation)*									
8 24	16 58.42	−15 49.3	0.869	1.486	41.3	19.7	104 E	29*	80
9 3	17 19.25	−16 18.3	0.919	1.474	42.4	19.8	100 E	28*	80
9 13	17 42.76	−16 42.3	0.971	1.466	43.1	19.9	96 E	28*	81*
9 23	18 8.44	−16 56.0	1.027	1.463	43.3	20.1	92 E	28*	80*
10 3	18 35.77	−16 55.5	1.087	1.463	43.1	20.2	89 E	28*	78*
10 13	19 4.32	−16 37.7	1.151	1.469	42.7	20.3	86 E	28*	75*
10 23	19 33.60	−16 0.8	1.220	1.478	41.9	20.4	83 E	29*	72*
11 2	20 3.17	−15 4.5	1.294	1.492	41.0	20.5	80 E	30*	68*
11 12	20 32.69	−13 49.4	1.373	1.510	39.8	20.7	78 E	31	64*
11 22	21 1.85	−12 17.3	1.458	1.531	38.5	20.8	75 E	33	59*
12 2	21 30.45	−10 30.6	1.549	1.556	37.0	20.9	72 E	34*	54*
12 12	21 58.37	− 8 31.8	1.644	1.583	35.5	21.0	69 E	36*	49*
12 22	22 25.53	− 6 24.0	1.745	1.614	33.8	21.2	66 E	38*	44*
1 1	22 51.94	− 4 9.9	1.849	1.646	32.0	21.3	63 E	40*	39*
1 11	23 17.65	− 1 52.2	1.957	1.680	30.2	21.4	59 E	40*	35*
1 21	23 42.69	+ 0 26.7	2.067	1.716	28.2	21.5	56 E	40*	31*
318902 2005 UR_5									
3 7	16 17.28	− 3 15.5	1.793	2.232	25.7	21.4	103 W	42	67
3 17	16 23.69	− 1 34.0	1.697	2.250	24.4	21.2	111 W	43	66
3 27	16 27.18	+ 0 21.2	1.610	2.267	22.7	21.1	119 W	45	64
4 6	16 27.51	+ 2 25.8	1.533	2.283	20.4	20.9	127 W	47	62
4 16	16 24.55	+ 4 33.6	1.471	2.298	17.8	20.8	136 W	50	59
4 26	16 18.50	+ 6 35.6	1.428	2.313	15.1	20.6	143 W	52	57
5 6	16 9.89	+ 8 21.7	1.406	2.326	13.1	20.5	149 W	53	56
5 16	15 59.66	+ 9 41.8	1.406	2.339	12.3	20.5	150 W	55	54
5 26	15 49.03	+10 28.6	1.430	2.351	13.2	20.6	148 E	55	54
6 5	15 39.24	+10 40.0	1.475	2.361	15.2	20.8	142 E	56	53
6 15	15 31.30	+10 17.8	1.541	2.371	17.6	20.9	135 E	55	54
6 25	15 25.88	+ 9 27.5	1.623	2.380	19.9	21.1	127 E	54	55
7 5	15 23.23	+ 8 15.8	1.718	2.388	21.8	21.3	119 E	53	56
407286 2010 GW_{140}									
3 7	16 22.56	−22 46.0	1.462	1.887	31.3	21.3	99 W	22	87
3 17	16 40.28	−22 59.4	1.332	1.853	31.3	21.1	105 W	22	87
3 27	16 56.75	−22 58.2	1.209	1.820	30.8	20.8	111 W	22	87
4 6	17 11.56	−22 42.4	1.093	1.789	29.8	20.6	117 W	22	87
4 16	17 24.17	−22 11.8	0.987	1.759	28.1	20.2	124 W	23	86
4 26	17 34.07	−21 27.1	0.890	1.731	25.7	19.9	132 W	24	85
5 6	17 40.76	−20 29.3	0.806	1.706	22.4	19.6	140 W	25	84
5 16	17 43.82	−19 20.3	0.735	1.682	18.2	19.2	149 W	26	83
5 26	17 43.24	−18 3.6	0.679	1.662	13.2	18.8	158 W	27	82
5 31	17 41.74	−17 23.9	0.657	1.653	10.4	18.6	163 W	28	81
6 5	17 39.56	−16 44.4	0.639	1.644	7.8	18.5	167 W	28	81
6 10	17 36.87	−16 6.0	0.626	1.637	5.6	18.3	171 W	29	80
6 15	17 33.91	−15 29.9	0.618	1.630	4.9	18.2	172 W	30	79
6 20	17 30.90	−14 57.0	0.614	1.624	6.3	18.3	170 E	30	79
6 25	17 28.10	−14 28.3	0.614	1.619	8.8	18.4	166 E	31	78
6 30	17 25.70	−14 4.5	0.619	1.614	11.7	18.5	161 E	31	78
7 5	17 23.91	−13 46.0	0.627	1.611	14.7	18.6	156 E	31	78
7 15	17 22.76	−13 25.9	0.656	1.607	20.1	18.9	147 E	32	77
7 25	17 25.46	−13 26.4	0.698	1.606	24.8	19.2	139 E	32	77
8 4	17 32.10	−13 42.8	0.751	1.610	28.5	19.5	131 E	31	78
8 14	17 42.44	−14 9.2	0.814	1.616	31.3	19.7	124 E	31	78
8 24	17 56.03	−14 39.2	0.886	1.627	33.3	20.0	118 E	30	79
9 3	18 12.27	−15 7.2	0.966	1.640	34.7	20.2	112 E	30	79
9 13	18 30.66	−15 28.8	1.052	1.657	35.5	20.5	107 E	30	79
9 23	18 50.70	−15 40.4	1.146	1.677	35.8	20.7	102 E	29	80
10 3	19 11.92	−15 39.7	1.246	1.699	35.7	20.9	98 E	29	80
10 13	19 33.97	−15 25.5	1.352	1.724	35.3	21.1	93 E	30	78*
10 23	19 56.51	−14 56.9	1.464	1.751	34.6	21.3	89 E	30	75*
11 2	20 19.25	−14 14.3	1.580	1.780	33.7	21.5	84 E	31	71*
282195 2001 UD_7									
3 7	16 25.38	−18 48.5	1.706	2.099	27.9	21.3	99 W	26	83
3 17	16 38.71	−18 37.3	1.558	2.061	27.7	21.1	106 W	26	83
3 27	16 50.39	−18 12.8	1.415	2.022	27.1	20.8	113 W	27	82
4 6	17 0.04	−17 34.8	1.281	1.984	25.8	20.5	120 W	27	82
4 16	17 7.14	−16 43.3	1.156	1.945	23.8	20.2	128 W	28	81
4 26	17 11.25	−15 39.1	1.044	1.907	21.1	19.8	137 W	29	80
5 6	17 12.00	−14 23.6	0.945	1.870	17.5	19.5	146 W	31	78
5 16	17 9.20	−12 59.9	0.864	1.833	13.2	19.1	156 W	32	77
5 21	17 6.55	−12 16.7	0.830	1.815	10.9	18.9	160 W	33	76
5 26	17 3.18	−11 33.8	0.801	1.797	8.8	18.7	164 W	33	76
5 31	16 59.24	−10 52.2	0.777	1.780	7.3	18.5	167 W	34	75
6 5	16 54.87	−10 13.1	0.758	1.763	7.1	18.4	168 W	35	74
6 10	16 50.29	− 9 37.7	0.744	1.746	8.3	18.4	166 E	35	74
6 15	16 45.75	− 9 7.3	0.735	1.729	10.5	18.5	162 E	36	73
6 20	16 41.49	− 8 42.8	0.731	1.713	13.3	18.6	157 E	36	73
6 25	16 37.73	− 8 24.9	0.731	1.698	16.1	18.6	152 E	37	72
7 5	16 32.44	− 8 10.6	0.742	1.668	21.7	18.8	143 E	37	72
7 15	16 30.99	− 8 24.2	0.767	1.641	26.7	19.0	133 E	37	72
7 25	16 33.92	− 9 2.1	0.802	1.617	30.9	19.2	125 E	36	73
282195 2001 UD_7 *(continuation)*									
7 30	16 37.03	− 9 28.2	0.822	1.605	32.7	19.3	121 E	36	73
8 4	16 41.19	− 9 58.0	0.844	1.595	34.2	19.4	118 E	35*	74
8 9	16 46.38	−10 30.7	0.868	1.585	35.6	19.4	115 E	34*	75
8 14	16 52.54	−11 5.5	0.892	1.576	36.7	19.5	112 E	34*	75
8 24	17 7.59	−12 17.7	0.944	1.561	38.5	19.7	106 E	32*	76
9 3	17 25.83	−13 28.4	1.000	1.550	39.7	19.8	101 E	31*	77
9 13	17 46.86	−14 32.3	1.059	1.542	40.4	20.0	97 E	30*	79
9 23	18 10.21	−15 24.4	1.122	1.538	40.7	20.1	93 E	29*	79*
10 3	18 35.40	−16 0.7	1.189	1.539	40.6	20.2	89 E	29*	77*
10 13	19 2.02	−16 18.3	1.259	1.543	40.1	20.3	85 E	29*	74*
10 23	19 29.60	−16 15.2	1.334	1.551	39.5	20.4	82 E	29*	71*
11 2	19 57.70	−15 50.9	1.414	1.563	38.5	20.6	79 E	29*	67*
11 12	20 26.00	−15 5.6	1.499	1.579	37.4	20.7	76 E	30*	63*
11 22	20 54.14	−14 0.8	1.588	1.597	36.1	20.8	72 E	31*	58*
12 2	21 21.90	−12 38.6	1.682	1.620	34.7	20.9	69 E	32*	53*
12 12	21 49.13	−11 1.5	1.780	1.644	33.1	21.0	66 E	34*	48*
12 22	22 15.71	− 9 12.4	1.881	1.672	31.4	21.1	62 E	35*	43*
1 1	22 41.61	− 7 14.0	1.986	1.702	29.7	21.2	59 E	36*	39*
1 11	23 6.84	− 5 9.2	2.092	1.733	27.8	21.3	55 E	36*	34*
1 21	23 31.42	− 3 0.5	2.200	1.767	25.9	21.4	52 E	36*	30*
277529 2005 XL_{66}									
3 7	16 38.88	−12 42.8	2.167	2.480	23.4	21.5	96 W	32	77*
3 17	16 47.29	−12 37.3	2.005	2.446	23.2	21.3	104 W	32	77
3 27	16 53.72	−12 25.7	1.848	2.411	22.5	21.0	112 W	33	76
4 6	16 57.80	−12 9.5	1.699	2.374	21.2	20.8	121 W	33	76
4 16	16 59.10	−11 50.2	1.560	2.337	19.1	20.5	130 W	33	76
4 26	16 57.27	−11 30.1	1.435	2.299	16.3	20.2	140 W	33	76
5 6	16 52.16	−11 11.8	1.328	2.260	12.8	19.8	150 W	34	75
5 16	16 43.84	−10 58.6	1.241	2.220	8.7	19.5	161 W	34	75
5 26	16 32.94	−10 54.0	1.177	2.180	5.3	19.2	169 W	34	75
6 5	16 20.59	−11 1.0	1.139	2.138	6.4	19.1	166 E	34	75
6 15	16 8.30	−11 22.1	1.125	2.096	11.1	19.3	157 E	34	75
6 25	15 57.67	−11 58.5	1.134	2.054	16.3	19.4	146 E	33	76
7 5	15 49.93	−12 49.8	1.162	2.012	21.0	19.6	135 E	32	77
7 15	15 45.85	−13 54.5	1.204	1.969	25.1	19.7	125 E	31*	78
7 25	15 45.71	−15 10.2	1.256	1.926	28.4	19.9	116 E	29*	79
8 4	15 49.44	−16 34.3	1.314	1.883	31.0	20.0	107 E	27*	81
8 14	15 56.84	−18 4.0	1.375	1.840	32.9	20.1	100 E	25*	82
8 24	16 7.65	−19 36.3	1.437	1.798	34.2	20.2	93 E	23*	83*
9 3	16 21.57	−21 8.1	1.497	1.757	35.0	20.2	87 E	21*	80*
9 13	16 38.42	−22 36.5	1.555	1.716	35.4	20.3	81 E	19*	75*
9 23	16 57.96	−23 58.1	1.609	1.677	35.5	20.3	76 E	18*	70*
10 3	17 20.02	−25 9.5	1.660	1.640	35.3	20.3	71 E	17*	65*
10 13	17 44.41	−26 7.0	1.707	1.605	34.9	20.3	67 E	16*	61*
10 23	18 10.92	−26 47.1	1.750	1.572	34.3	20.3	63 E	15*	57*
11 2	18 39.27	−27 6.4	1.791	1.542	33.6	20.3	59 E	15*	53*
11 12	19 9.16	−27 1.8	1.828	1.516	32.8	20.3	56 E	16*	49*
11 22	19 40.22	−26 31.0	1.863	1.493	31.9	20.3	53 E	16*	46*
12 2	20 12.03	−25 32.8	1.898	1.474	30.9	20.3	50 E	17*	42*
12 12	20 44.23	−24 6.9	1.932	1.459	29.8	20.2	47 E	18*	38*
12 17	21 0.36	−23 14.0	1.949	1.454	29.3	20.2	46 E	18*	37*
12 22	21 16.44	−22 14.6	1.967	1.449	28.7	20.2	45 E	19*	35*
12 27	21 32.45	−21 9.2	1.985	1.446	28.1	20.2	44 E	19*	33*
1 1	21 48.36	−19 58.1	2.004	1.444	27.5	20.2	43 E	20*	32*
1 6	22 4.15	−18 41.8	2.023	1.444	26.9	20.2	42 E	20*	30*
1 11	22 19.80	−17 20.7	2.043	1.444	26.3	20.2	41 E	21*	29*
1 16	22 35.29	−15 55.4	2.064	1.446	25.6	20.2	39 E	21*	27*
1 21	22 50.61	−14 26.6	2.085	1.449	24.9	20.3	38 E	21*	26*
444163 2005 GU_{173}									
3 7	16 39.41	−19 50.1	1.373	1.766	34.0	21.3	95 W	25	84*
3 17	16 58.59	−21 4.7	1.259	1.743	34.1	21.1	101 W	24	85
3 27	17 16.73	−22 18.0	1.151	1.721	33.8	20.9	106 W	23	86
4 6	17 33.45	−23 33.1	1.049	1.702	33.0	20.6	112 W	21	88
4 16	17 48.24	−24 53.1	0.955	1.684	31.5	20.4	119 W	20	89
4 26	18 0.53	−26 21.7	0.869	1.668	29.4	20.1	126 W	19	90
5 6	18 9.70	−28 2.2	0.793	1.655	26.4	19.8	133 W	17	88
5 11	18 12.89	−28 57.4	0.759	1.649	24.6	19.6	137 W	16	87
5 16	18 15.04	−29 55.7	0.728	1.644	22.6	19.5	141 W	15	86
5 21	18 16.10	−30 56.8	0.701	1.640	20.4	19.3	146 W	14	85
5 26	18 16.05	−31 59.8	0.678	1.636	18.0	19.2	150 W	13	84
5 31	18 14.91	−33 3.6	0.658	1.632	15.5	19.0	155 W	12	83
6 5	18 12.71	−34 6.6	0.642	1.630	13.0	18.9	159 W	11	82
6 10	18 9.56	−35 7.1	0.631	1.628	10.7	18.7	163 W	10	81
6 15	18 5.68	−36 3.2	0.624	1.627	9.0	18.6	165 W	9	80

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
444163 2005 GU_{173} *(continuation)*									
6 20	18 1.34	−36 53.1	0.621	1.626	8.4	18.6	166 W	8	79
6 25	17 56.84	−37 35.6	0.623	1.627	9.1	18.6	165 E	7	78
6 30	17 52.50	−38 9.7	0.629	1.627	10.9	18.7	162 E	7	78
7 5	17 48.63	−38 35.2	0.639	1.629	13.1	18.9	159 E	6	77
7 10	17 45.51	−38 52.3	0.654	1.631	15.6	19.0	154 E	6	77
7 15	17 43.38	−39 1.6	0.672	1.634	18.1	19.1	150 E	6	77
7 20	17 42.41	−39 4.1	0.694	1.638	20.4	19.3	146 E	6	77
7 25	17 42.67	−39 0.9	0.720	1.642	22.6	19.4	142 E	6	77
7 30	17 44.16	−38 52.8	0.748	1.647	24.6	19.6	138 E	6	77
8 4	17 46.86	−38 40.6	0.779	1.652	26.3	19.7	134 E	6	77
8 9	17 50.72	−38 25.1	0.813	1.659	27.9	19.9	130 E	7	78
8 14	17 55.66	−38 6.6	0.850	1.665	29.3	20.0	127 E	7	78
8 19	18 1.60	−37 45.5	0.888	1.673	30.4	20.2	123 E	7	78
8 24	18 8.41	−37 22.1	0.929	1.680	31.4	20.3	120 E	8	79
8 29	18 15.98	−36 56.4	0.972	1.689	32.2	20.4	117 E	8	79
9 3	18 24.23	−36 28.4	1.017	1.698	32.9	20.6	114 E	9	80
9 8	18 33.06	−35 58.1	1.063	1.707	33.4	20.7	111 E	9	80
9 13	18 42.39	−35 25.5	1.112	1.717	33.8	20.8	108 E	10	81
9 18	18 52.14	−34 50.6	1.161	1.727	34.1	20.9	106 E	10	81
9 23	19 2.22	−34 13.3	1.213	1.738	34.2	21.0	103 E	11	82
9 28	19 12.57	−33 33.5	1.265	1.749	34.3	21.1	100 E	11	82
10 3	19 23.13	−32 51.3	1.319	1.761	34.3	21.3	98 E	12	83
10 8	19 33.86	−32 6.7	1.375	1.773	34.1	21.4	95 E	13	84
10 13	19 44.71	−31 19.7	1.431	1.785	33.9	21.4	93 E	14	84*
415473 2014 OC_{112}									
3 7	16 39.63	− 9 52.7	1.985	2.317	25.2	21.4	96 W	35	74*
3 17	16 50.39	− 9 27.9	1.832	2.281	25.1	21.2	104 W	36	73
3 27	16 59.36	− 8 53.9	1.686	2.246	24.5	20.9	111 W	36	73
4 6	17 6.20	− 8 12.1	1.546	2.210	23.4	20.7	119 W	37	72
4 16	17 10.47	− 7 24.8	1.417	2.174	21.6	20.4	127 W	38	71
4 26	17 11.81	− 6 35.2	1.299	2.138	19.2	20.1	136 W	38	71
5 6	17 9.97	− 5 47.8	1.197	2.102	16.2	19.8	145 W	39	70
5 11	17 7.83	− 5 26.7	1.153	2.084	14.5	19.6	149 W	40	69
5 16	17 4.91	− 5 8.5	1.113	2.066	12.7	19.5	153 W	40	69
5 21	17 1.28	− 4 53.9	1.078	2.049	11.1	19.3	157 W	40	69
5 26	16 57.05	− 4 44.0	1.049	2.031	9.7	19.2	160 W	40	69
5 31	16 52.33	− 4 39.4	1.024	2.013	8.9	19.1	162 W	40	69
6 5	16 47.28	− 4 40.7	1.006	1.996	9.0	19.0	162 E	40	69
6 15	16 36.95	− 5 3.3	0.985	1.961	11.5	19.0	157 E	40	69
6 25	16 27.70	− 5 53.0	0.985	1.928	15.8	19.2	149 E	39	70
7 5	16 20.88	− 7 7.3	1.003	1.895	20.4	19.3	140 E	38	71
7 10	16 18.71	− 7 52.2	1.018	1.879	22.5	19.4	135 E	37	72
7 15	16 17.48	− 8 41.3	1.037	1.864	24.5	19.5	130 E	36	73
7 20	16 17.23	− 9 33.9	1.058	1.848	26.4	19.6	126 E	35	74
7 25	16 17.98	−10 29.2	1.082	1.834	28.1	19.6	122 E	35*	74
8 4	16 22.42	−12 25.2	1.136	1.805	30.9	19.8	114 E	32*	76
8 14	16 30.64	−14 24.1	1.196	1.778	33.0	19.9	107 E	30*	78
8 24	16 42.36	−16 21.4	1.260	1.753	34.5	20.1	100 E	28*	80
9 3	16 57.25	−18 13.1	1.327	1.731	35.5	20.2	95 E	25*	82*
9 13	17 15.00	−19 55.4	1.396	1.711	36.0	20.3	89 E	24*	81*
9 23	17 35.30	−21 24.9	1.466	1.693	36.1	20.3	84 E	22*	77*
10 3	17 57.81	−22 38.5	1.537	1.678	35.9	20.4	80 E	21*	73*
10 13	18 22.24	−23 33.4	1.608	1.667	35.4	20.5	76 E	20*	69*
10 23	18 48.21	−24 7.2	1.680	1.658	34.7	20.6	71 E	20*	65*
11 2	19 15.36	−24 18.4	1.752	1.653	33.7	20.6	68 E	20*	61*
11 12	19 43.33	−24 6.0	1.825	1.651	32.6	20.7	64 E	20*	56*
11 22	20 11.73	−23 30.2	1.899	1.652	31.3	20.7	60 E	21*	52*
12 2	20 40.25	−22 31.8	1.974	1.657	29.9	20.8	57 E	21*	47*
12 12	21 8.61	−21 12.5	2.050	1.665	28.4	20.8	54 E	22*	43*
12 22	21 36.58	−19 34.7	2.126	1.676	26.8	20.9	50 E	23*	39*
1 1	22 4.01	−17 40.9	2.203	1.690	25.1	20.9	47 E	23*	34*
1 11	22 30.84	−15 34.3	2.281	1.707	23.4	21.0	44 E	23*	31*
1 21	22 56.99	−13 17.9	2.358	1.727	21.6	21.0	40 E	23*	27*
282654 2005 UF_{156}									
3 7	16 46.15	−34 39.3	2.747	2.950	19.6	21.4	92 W	10	81*
3 17	16 52.00	−34 50.3	2.603	2.948	19.4	21.3	100 W	10	81
3 27	16 55.38	−34 55.6	2.462	2.946	18.6	21.2	109 W	10	81
4 6	16 56.00	−34 53.8	2.327	2.943	17.3	21.0	119 W	10	81
4 16	16 53.63	−34 42.8	2.204	2.938	15.4	20.8	129 W	10	81
4 26	16 48.23	−34 19.8	2.096	2.933	12.9	20.6	139 W	11	82
5 6	16 40.05	−33 41.7	2.008	2.927	9.9	20.4	150 W	11	82
5 11	16 35.09	−33 16.3	1.973	2.923	8.2	20.3	156 W	12	83
5 16	16 29.68	−32 46.3	1.945	2.919	6.5	20.2	161 W	12	83
5 21	16 23.96	−32 11.8	1.924	2.915	4.9	20.1	166 W	13	84
5 26	16 18.09	−31 33.2	1.909	2.911	3.7	20.0	169 W	13	84
5 31	16 12.22	−30 50.9	1.903	2.906	3.5	19.9	170 E	14	85

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
282654 2005 UF_{156} *(continuation)*									
6 5	16 6.48	−30 5.6	1.903	2.902	4.4	20.0	167 E	15	86
6 10	16 1.02	−29 18.0	1.911	2.897	5.9	20.1	163 E	16	87
6 15	15 55.98	−28 29.2	1.926	2.891	7.7	20.2	158 E	17	88
6 20	15 51.46	−27 40.0	1.948	2.886	9.5	20.3	152 E	17	88
6 25	15 47.54	−26 51.5	1.977	2.880	11.2	20.4	147 E	18	89
6 30	15 44.26	−26 4.4	2.011	2.874	12.8	20.5	141 E	19	90
7 5	15 41.67	−25 19.4	2.050	2.868	14.3	20.6	136 E	20	89
7 10	15 39.78	−24 37.1	2.094	2.861	15.7	20.6	131 E	20	89
7 15	15 38.60	−23 57.9	2.143	2.854	16.9	20.7	125 E	21*	88
7 20	15 38.11	−23 22.0	2.195	2.847	17.9	20.8	120 E	21*	87
7 25	15 38.28	−22 49.5	2.249	2.840	18.8	20.9	116 E	21*	87
7 30	15 39.09	−22 20.5	2.307	2.833	19.6	21.0	111 E	21*	86
8 4	15 40.50	−21 54.8	2.366	2.825	20.2	21.0	106 E	21*	86
8 9	15 42.49	−21 32.4	2.427	2.817	20.6	21.1	102 E	21*	86
8 14	15 45.02	−21 12.9	2.488	2.809	20.9	21.2	98 E	21*	85
8 19	15 48.07	−20 56.3	2.550	2.800	21.1	21.2	93 E	21*	85*
8 24	15 51.58	−20 42.1	2.612	2.791	21.2	21.3	89 E	20*	82*
8 29	15 55.53	−20 30.2	2.674	2.782	21.2	21.3	85 E	20*	79*
9 3	15 59.90	−20 20.2	2.735	2.773	21.1	21.3	82 E	20*	75*
9 8	16 4.66	−20 11.9	2.795	2.764	20.9	21.4	78 E	19*	71*
9 13	16 9.79	−20 5.0	2.854	2.754	20.6	21.4	74 E	19*	68*
9 18	16 15.25	−19 59.2	2.911	2.744	20.2	21.4	70 E	19*	64*
9 23	16 21.03	−19 54.2	2.967	2.734	19.7	21.4	67 E	18*	61*
9 28	16 27.11	−19 49.8	3.020	2.724	19.2	21.5	63 E	18*	57*
10 3	16 33.46	−19 45.8	3.071	2.713	18.6	21.5	60 E	18*	54*
10 8	16 40.08	−19 41.9	3.120	2.702	18.0	21.5	57 E	17*	50*
10 13	16 46.95	−19 37.8	3.166	2.691	17.3	21.5	53 E	17*	47*
10 18	16 54.04	−19 33.4	3.209	2.680	16.5	21.5	50 E	17*	43*
10 23	17 1.35	−19 28.5	3.249	2.668	15.8	21.4	47 E	16*	40*
10 28	17 8.86	−19 22.8	3.287	2.656	14.9	21.4	44 E	16*	36*
11 2	17 16.55	−19 16.1	3.321	2.644	14.1	21.4	40 E	15*	33*
11 7	17 24.43	−19 8.4	3.351	2.632	13.2	21.4	37 E	15*	29*
11 12	17 32.46	−18 59.4	3.379	2.619	12.3	21.4	34 E	14*	26*
11 17	17 40.64	−18 49.0	3.402	2.607	11.3	21.3	31 E	14*	22*
11 22	17 48.96	−18 36.9	3.422	2.594	10.4	21.3	28 E	13*	19*
11 27	17 57.40	−18 23.2	3.439	2.581	9.4	21.3	25 E	12*	15*
12 2	18 5.96	−18 7.6	3.452	2.567	8.4	21.2	22 E	11*	12*
12 7	18 14.62	−17 50.0	3.461	2.554	7.4	21.2	19 E	10*	9*
12 12	18 23.37	−17 30.4	3.467	2.540	6.4	21.1	17 E	8*	5*
12 17	18 32.21	−17 8.6	3.469	2.526	5.5	21.1	14 E	7*	2*
12 22	18 41.11	−16 44.5	3.467	2.512	4.6	21.0	12 E	5*	—
12 27	18 50.07	−16 18.1	3.462	2.497	3.8	20.9	10 E	4*	—
1 1	18 59.08	−15 49.2	3.453	2.483	3.2	20.9	8 E	2*	—
1 6	19 8.13	−15 17.8	3.440	2.468	2.9	20.8	7 E	—	—
1 11	19 17.22	−14 43.9	3.424	2.453	3.0	20.8	8 W	1*	—
1 16	19 26.32	−14 7.4	3.405	2.438	3.6	20.8	9 W	3*	—
1 21	19 35.44	−13 28.3	3.382	2.423	4.4	20.9	11 W	5*	—
141531 2002 GB									
3 7	16 53.98	−15 33.2	0.967	1.413	44.6	21.4	92 W	29	78*
3 12	16 57.34	−16 26.9	0.925	1.431	43.6	21.3	96 W	29	80*
3 17	16 59.71	−17 23.7	0.883	1.448	42.5	21.2	101 W	28	81
3 22	17 0.92	−18 24.4	0.839	1.462	41.1	21.1	105 W	27	82
3 27	17 0.79	−19 30.1	0.796	1.475	39.4	20.9	110 W	25	84
4 1	16 59.10	−20 41.6	0.752	1.486	37.4	20.8	115 W	24	85
4 6	16 55.56	−21 59.6	0.710	1.496	35.0	20.6	121 W	23	86
4 11	16 49.84	−23 24.4	0.669	1.503	32.1	20.4	127 W	22	87
4 16	16 41.60	−24 55.6	0.631	1.509	28.8	20.2	134 W	20	89
4 21	16 30.54	−26 31.6	0.596	1.513	24.9	19.9	141 W	18	89
4 26	16 16.41	−28 9.2	0.566	1.516	20.7	19.7	148 W	17	88
5 1	15 59.16	−29 43.3	0.542	1.517	16.2	19.4	155 W	15	86
5 6	15 39.02	−31 7.3	0.524	1.516	12.0	19.2	162 W	14	85
5 11	15 16.67	−32 14.1	0.514	1.513	9.6	19.1	166 W	13	84
5 16	14 53.22	−32 58.2	0.512	1.509	10.8	19.1	164 E	12	83
5 18	14 43.84	−33 9.0	0.513	1.507	12.2	19.2	162 E	12	83
5 20	14 34.58	−33 15.9	0.515	1.504	13.9	19.2	159 E	12	83
5 22	14 25.54	−33 19.2	0.518	1.502	15.7	19.3	156 E	12	83
5 24	14 16.78	−33 19.1	0.523	1.498	17.7	19.4	153 E	12	83
5 26	14 8.37	−33 16.0	0.529	1.495	19.6	19.5	150 E	12	83
5 31	13 49.16	−32 57.7	0.547	1.486	24.5	19.7	143 E	12	83
6 5	13 32.90	−32 29.3	0.570	1.475	29.0	19.9	135 E	13	84
6 10	13 19.71	−31 57.2	0.597	1.462	33.1	20.1	128 E	13*	84
6 15	13 9.47	−31 26.0	0.626	1.447	36.7	20.3	122 E	13*	85
6 20	13 1.88	−30 59.1	0.658	1.430	39.8	20.4	116 E	12*	85
6 25	12 56.60	−30 38.2	0.690	1.412	42.5	20.6	110 E	11*	85
6 30	12 53.29	−30 24.1	0.722	1.392	44.8	20.7	105 E	9*	86
7 5	12 51.68	−30 16.9	0.753	1.370	46.9	20.8	100 E	8*	86
7 10	12 51.52	−30 16.6	0.783	1.346	48.7	20.9	96 E	6*	85*
7 15	12 52.61	−30 22.9	0.811	1.320	50.3	21.0	92 E	4*	82*
7 20	12 54.76	−30 35.3	0.836	1.292	51.8	21.1	88 E	3*	78*
7 25	12 57.83	−30 53.2	0.859	1.263	53.2	21.1	84 E	1*	74*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	141531 2002 *GB*							*(continuation)*	
	h m	° ′			°	m	°	°	°
7 30	13 1.69	−31 15.8	0.878	1.231	54.5	21.2	81 E	—	71*
8 4	13 6.25	−31 42.7	0.894	1.197	55.8	21.2	77 E	—	67*
8 9	13 11.45	−32 13.3	0.905	1.161	57.2	21.2	74 E	—	63*
8 14	13 17.19	−32 46.9	0.912	1.123	58.6	21.2	71 E	—	60*
8 19	13 23.42	−33 22.8	0.914	1.083	60.2	21.1	68 E	—	57*
8 24	13 30.04	−34 0.0	0.911	1.041	62.0	21.1	65 E	—	53*
8 29	13 36.97	−34 37.4	0.902	0.996	64.1	21.0	62 E	—	50*
9 3	13 44.12	−35 13.5	0.888	0.950	66.5	21.0	60 E	—	47*
9 8	13 51.36	−35 46.4	0.867	0.901	69.5	20.9	57 E	—	44*
9 13	13 58.46	−36 13.4	0.839	0.851	73.1	20.8	54 E	—	42*
9 18	14 5.11	−36 30.4	0.805	0.799	77.6	20.8	51 E	—	39*
9 23	14 10.84	−36 30.8	0.764	0.745	83.3	20.7	48 E	—	35*
9 28	14 14.95	−36 4.9	0.717	0.692	90.7	20.7	44 E	—	32*
10 3	14 16.51	−34 56.8	0.665	0.638	100.2	20.8	39 E	—	27*
10 8	14 14.31	−32 42.1	0.612	0.587	112.9	21.1	33 E	—	22*
	4487 Pocahontas								
3 7	17 15.66	−13 13.3	1.843	2.052	28.9	21.5	87 W	32*	74*
3 17	17 29.99	−11 54.9	1.701	2.026	29.3	21.3	94 W	33*	76*
3 27	17 42.81	−10 17.4	1.562	1.998	29.4	21.1	100 W	35*	74
4 6	17 53.79	− 8 20.1	1.427	1.969	29.1	20.8	107 W	37	72
4 16	18 2.51	− 6 2.5	1.299	1.938	28.2	20.6	114 W	39	70
4 26	18 8.52	− 3 25.3	1.179	1.906	26.9	20.3	121 W	42	67
5 6	18 11.36	− 0 30.6	1.071	1.872	25.0	20.0	128 W	44	65
5 11	18 11.44	+ 1 2.0	1.021	1.854	23.9	19.8	132 W	46	63
5 16	18 10.55	+ 2 36.8	0.976	1.837	22.8	19.7	135 W	48	61
5 21	18 8.68	+ 4 12.4	0.934	1.819	21.7	19.5	138 W	49	60
5 26	18 5.84	+ 5 47.2	0.896	1.800	20.7	19.4	141 W	51	58
5 31	18 2.03	+ 7 19.5	0.863	1.782	19.9	19.2	143 W	52	57
6 5	17 57.32	+ 8 47.0	0.834	1.763	19.4	19.1	145 W	54	55
6 10	17 51.82	+10 7.3	0.809	1.744	19.2	19.0	146 W	55	54
6 15	17 45.69	+11 18.1	0.790	1.724	19.6	19.0	145 W	56	53
6 20	17 39.16	+12 17.0	0.774	1.705	20.5	18.9	144 E	57	52
6 25	17 32.47	+13 2.6	0.763	1.685	21.7	18.9	142 E	58	51
6 30	17 25.86	+13 33.9	0.756	1.665	23.4	18.9	139 E	59	50
7 5	17 19.61	+13 50.1	0.752	1.645	25.2	18.9	136 E	59	50
7 10	17 13.95	+13 51.3	0.751	1.625	27.2	19.0	133 E	59	50
7 15	17 9.12	+13 38.3	0.754	1.605	29.3	19.0	129 E	59	50
7 20	17 5.28	+13 12.2	0.758	1.584	31.3	19.0	126 E	58	51
7 25	17 2.55	+12 34.6	0.765	1.564	33.3	19.1	122 E	58	51
7 30	17 0.98	+11 46.9	0.773	1.544	35.2	19.1	119 E	57	52
8 4	17 0.63	+10 50.6	0.782	1.524	37.0	19.2	115 E	56	53
8 9	17 1.50	+ 9 47.2	0.792	1.504	38.6	19.2	112 E	55	54
8 14	17 3.59	+ 8 37.8	0.802	1.484	40.2	19.3	109 E	54*	55
8 19	17 6.87	+ 7 24.0	0.813	1.464	41.6	19.3	106 E	52*	57
8 24	17 11.29	+ 6 6.8	0.823	1.444	42.9	19.3	103 E	51*	58
8 29	17 16.81	+ 4 47.1	0.834	1.425	44.1	19.4	101 E	49*	59
9 3	17 23.40	+ 3 25.7	0.844	1.407	45.2	19.4	98 E	48*	61
9 8	17 31.02	+ 2 3.3	0.855	1.388	46.2	19.4	96 E	46*	62
9 13	17 39.64	+ 0 40.8	0.864	1.371	47.1	19.4	94 E	45*	63*
9 18	17 49.22	− 0 41.1	0.874	1.353	47.9	19.5	92 E	44*	64*
9 23	17 59.73	− 2 1.7	0.883	1.337	48.6	19.5	90 E	42*	65*
10 3	18 23.37	− 4 36.7	0.900	1.306	49.9	19.5	87 E	40*	66*
10 13	18 50.37	− 6 58.7	0.918	1.279	50.8	19.5	84 E	38*	66*
10 23	19 20.41	− 9 2.0	0.936	1.256	51.5	19.6	81 E	36*	65*
11 2	19 53.10	−10 41.2	0.956	1.238	51.8	19.6	79 E	34*	63*
11 12	20 28.01	−11 51.4	0.979	1.226	51.9	19.6	77 E	33*	62*
11 22	21 4.52	−12 28.9	1.007	1.219	51.6	19.7	75 E	33	60*
12 2	21 41.96	−12 32.2	1.039	1.217	51.1	19.7	74 E	32	58*
12 12	22 19.74	−12 1.7	1.077	1.222	50.2	19.8	73 E	33	55*
12 17	22 38.55	−11 34.6	1.099	1.227	49.7	19.8	72 E	33	54*
12 22	22 57.23	−11 0.3	1.122	1.233	49.1	19.8	71 E	34	53*
12 27	23 15.73	−10 19.5	1.146	1.240	48.5	19.9	71 E	35*	52*
1 1	23 34.01	− 9 32.8	1.173	1.248	47.8	19.9	70 E	35*	51*
1 6	23 52.05	− 8 40.9	1.200	1.258	47.1	20.0	70 E	36*	50*
1 11	0 9.83	− 7 44.5	1.230	1.269	46.3	20.0	69 E	37*	49*
1 16	0 27.33	− 6 44.7	1.261	1.281	45.5	20.1	68 E	38*	48*
1 21	0 44.55	− 5 42.0	1.294	1.295	44.7	20.1	68 E	39*	47*
	393908 2005 UH_3								
3 7	17 35.59	−22 35.5	1.729	1.869	31.7	21.4	82 W	22*	75*
3 12	17 44.22	−23 53.0	1.634	1.836	32.6	21.3	85 W	21*	79*
3 17	17 53.07	−25 17.7	1.540	1.802	33.5	21.1	88 W	19*	82*
3 22	18 2.21	−26 51.1	1.446	1.768	34.3	21.0	91 W	18*	85*
3 27	18 11.73	−28 34.8	1.354	1.733	35.1	20.8	94 W	16*	87*
4 1	18 21.76	−30 31.0	1.264	1.697	35.8	20.6	96 W	14*	85
4 6	18 32.47	−32 41.9	1.176	1.660	36.5	20.4	99 W	12*	83
4 11	18 44.08	−35 10.2	1.091	1.622	37.2	20.2	102 W	9*	81
4 16	18 56.92	−37 58.7	1.009	1.584	38.0	20.0	104 W	7*	78
4 21	19 11.52	−41 10.3	0.932	1.545	38.7	19.8	106 W	3*	75
4 26	19 28.62	−44 47.0	0.860	1.506	39.6	19.6	107 W	—	71

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	393908 2005 UH_3							*(continuation)*	
	h m	° ′			°	m	°	°	°
4 28	19 36.41	−46 21.0	0.833	1.490	40.0	19.6	108 W	—	70
4 30	19 44.90	−47 58.9	0.807	1.474	40.5	19.5	108 W	—	68
5 2	19 54.19	−49 40.7	0.782	1.458	41.0	19.4	108 W	—	66
5 4	20 4.45	−51 26.0	0.759	1.441	41.6	19.3	108 W	—	65
5 6	20 15.85	−53 14.1	0.737	1.425	42.2	19.2	108 W	—	63
5 8	20 28.61	−55 4.1	0.716	1.408	42.9	19.2	108 W	—	61
5 10	20 42.99	−56 55.0	0.697	1.392	43.7	19.1	108 W	—	59
5 12	20 59.27	−58 45.0	0.679	1.375	44.5	19.1	107 W	—	57
5 14	21 17.80	−60 32.0	0.663	1.359	45.4	19.0	107 W	—	55
5 16	21 38.91	−62 13.3	0.648	1.342	46.5	19.0	106 W	—	54
5 17	21 50.53	−63 0.8	0.642	1.333	47.0	18.9	105 W	—	53*
5 18	22 2.89	−63 45.6	0.636	1.325	47.6	18.9	105 W	—	52*
5 19	22 16.01	−64 27.1	0.630	1.317	48.2	18.9	104 W	—	51*
5 20	22 29.90	−65 5.0	0.625	1.308	48.8	18.9	104 W	—	51*
5 21	22 44.53	−65 38.6	0.620	1.300	49.4	18.9	103 W	—	50*
5 22	22 59.85	−66 7.4	0.616	1.291	50.0	18.9	102 W	—	49*
5 23	23 15.79	−66 30.9	0.612	1.283	50.7	18.9	101 W	—	48*
5 24	23 32.25	−66 48.7	0.608	1.274	51.4	18.8	101 W	—	48*
5 25	23 49.10	−67 0.5	0.605	1.266	52.0	18.8	100 W	—	47*
5 26	0 6.20	−67 5.9	0.603	1.257	52.7	18.8	99 W	—	46*
5 27	0 23.36	−67 4.9	0.601	1.249	53.4	18.8	98 W	—	45*
5 28	0 40.43	−66 57.5	0.599	1.240	54.2	18.8	97 W	—	45*
5 29	0 57.24	−66 43.7	0.598	1.232	54.9	18.8	96 W	—	44*
5 30	1 13.63	−66 23.7	0.597	1.223	55.6	18.8	95 W	—	43*
5 31	1 29.48	−65 58.0	0.597	1.215	56.3	18.8	94 W	—	43*
6 1	1 44.70	−65 26.9	0.597	1.206	57.1	18.8	93 W	—	42*
6 2	1 59.19	−64 51.0	0.598	1.197	57.8	18.9	92 W	—	42*
6 3	2 12.93	−64 10.6	0.598	1.189	58.5	18.9	91 W	—	41*
6 4	2 25.90	−63 26.2	0.600	1.180	59.3	18.9	90 W	—	40*
6 5	2 38.08	−62 38.5	0.601	1.172	60.0	18.9	89 W	—	40*
6 6	2 49.50	−61 47.9	0.603	1.163	60.7	18.9	88 W	—	40*
6 7	3 0.18	−60 54.7	0.605	1.155	61.4	18.9	87 W	—	39*
6 8	3 10.17	−59 59.5	0.608	1.146	62.0	18.9	86 W	—	39*
6 9	3 19.49	−59 2.6	0.611	1.138	62.7	18.9	85 W	—	38*
6 10	3 28.19	−58 4.4	0.614	1.129	63.4	19.0	84 W	—	38*
6 11	3 36.32	−57 5.2	0.617	1.121	64.0	19.0	83 W	—	38*
6 12	3 43.92	−56 5.1	0.621	1.113	64.6	19.0	82 W	—	37*
6 13	3 51.03	−55 4.5	0.625	1.104	65.2	19.0	81 W	—	37*
6 14	3 57.68	−54 3.6	0.629	1.096	65.8	19.0	80 W	—	37*
6 15	4 3.91	−53 2.6	0.634	1.087	66.4	19.0	79 W	—	37*
6 17	4 15.26	−51 0.5	0.643	1.071	67.5	19.1	77 W	—	36*
6 19	4 25.32	−48 59.3	0.653	1.054	68.5	19.1	75 W	—	36*
6 21	4 34.28	−46 59.6	0.664	1.038	69.4	19.1	73 W	—	36*
6 23	4 42.32	−45 1.7	0.675	1.022	70.2	19.2	71 W	—	36*
6 25	4 49.57	−43 5.9	0.687	1.006	71.0	19.2	69 W	—	36*
6 27	4 56.16	−41 12.3	0.698	0.990	71.7	19.2	68 W	—	36*
6 29	5 2.19	−39 20.9	0.711	0.975	72.3	19.2	66 W	—	36*
7 1	5 7.74	−37 31.5	0.723	0.960	72.8	19.3	64 W	—	37*
7 3	5 12.89	−35 44.1	0.735	0.945	73.3	19.3	63 W	—	37*
7 5	5 17.68	−33 58.4	0.748	0.930	73.7	19.3	61 W	—	37*
7 10	5 28.48	−29 40.7	0.778	0.896	74.4	19.3	58 W	—	39*
7 15	5 38.09	−25 29.5	0.808	0.865	74.7	19.3	55 W	—	40*
7 20	5 47.03	−21 21.3	0.837	0.838	74.7	19.3	53 W	—	41*
7 25	5 55.70	−17 13.7	0.864	0.816	74.3	19.3	51 W	—	41*
7 30	6 4.48	−13 5.0	0.889	0.799	73.7	19.3	49 W	—	42*
8 4	6 13.64	− 8 54.8	0.912	0.788	72.9	19.3	48 W	3*	42*
8 9	6 23.42	− 4 43.5	0.933	0.784	71.8	19.3	47 W	8*	41*
8 14	6 33.98	− 0 32.3	0.952	0.786	70.6	19.3	47 W	14*	40*
8 19	6 45.45	+ 3 37.0	0.970	0.794	69.2	19.4	47 W	20*	38*
8 24	6 57.92	+ 7 42.1	0.986	0.809	67.8	19.4	48 W	25*	36*
8 29	7 11.41	+11 40.6	1.001	0.829	66.2	19.4	49 W	30*	34*
9 3	7 25.92	+15 30.4	1.015	0.854	64.7	19.5	50 W	35*	31*
9 8	7 41.41	+19 9.7	1.028	0.884	63.1	19.5	51 W	39*	29*
9 13	7 57.82	+22 37.1	1.041	0.917	61.5	19.6	53 W	43*	26*
9 18	8 15.06	+25 51.6	1.054	0.952	59.8	19.7	55 W	47*	23*
9 23	8 33.05	+28 52.6	1.067	0.990	58.2	19.7	57 W	50*	20*
9 28	8 51.69	+31 39.9	1.080	1.030	56.7	19.8	59 W	53*	17*
10 3	9 10.86	+34 13.6	1.092	1.071	55.1	19.8	61 W	55*	15*
10 8	9 30.44	+36 34.1	1.105	1.113	53.5	19.9	64 W	58*	12*
10 13	9 50.28	+38 42.3	1.118	1.155	52.0	20.0	66 W	60*	10*
10 18	10 10.25	+40 39.0	1.131	1.198	50.5	20.0	68 W	61*	8*
10 23	10 30.23	+42 25.3	1.145	1.240	49.1	20.1	70 W	63*	6*
10 28	10 50.10	+44 2.4	1.158	1.283	47.7	20.2	73 W	65*	4*
11 2	11 9.73	+45 31.7	1.171	1.325	46.3	20.2	75 W	66*	3*
11 7	11 29.01	+46 54.7	1.185	1.367	45.0	20.3	77 W	68*	2*
11 12	11 47.83	+48 12.8	1.198	1.409	43.7	20.3	80 W	69*	—
11 17	12 6.11	+49 27.3	1.212	1.450	42.4	20.4	82 W	70*	—
11 22	12 23.79	+50 39.3	1.225	1.490	41.2	20.4	84 W	71*	—
11 27	12 40.82	+51 50.1	1.239	1.530	40.0	20.5	86 W	73*	—
12 2	12 57.12	+53 0.9	1.252	1.569	38.9	20.5	88 W	73*	—

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
393908 2005 UH_3 *(continuation)*									
12 7	13 12.65	+54 12.7	1.266	1.608	37.8	20.6	90 W	74*	—
12 12	13 27.33	+55 26.1	1.280	1.645	36.7	20.6	92 W	75*	—
12 17	13 41.14	+56 41.8	1.294	1.682	35.7	20.7	94 W	75*	—
12 22	13 54.00	+58 0.3	1.309	1.719	34.7	20.7	96 W	75*	—
12 27	14 5.86	+59 21.8	1.324	1.754	33.7	20.7	98 W	74*	—
1 1	14 16.61	+60 46.8	1.340	1.789	32.8	20.8	100 W	74*	—
1 6	14 26.13	+62 15.1	1.357	1.823	32.0	20.8	101 W	73*	—
1 11	14 34.26	+63 46.4	1.374	1.856	31.1	20.9	103 W	71*	—
1 16	14 40.80	+65 20.4	1.393	1.889	30.4	20.9	104 W	70	—
1 21	14 45.52	+66 56.2	1.413	1.921	29.6	21.0	105 W	68	—
376971 2002 KA_1									
3 7	17 36.57	−28 58.8	1.642	1.789	33.3	21.3	82 W	15*	75*
3 12	17 49.35	−29 17.0	1.578	1.770	33.9	21.2	84 W	15*	77*
3 17	18 2.20	−29 31.7	1.516	1.752	34.5	21.1	86 W	15*	79*
3 22	18 15.10	−29 43.1	1.454	1.734	35.0	21.1	88 W	15*	81*
3 27	18 28.02	−29 50.9	1.394	1.716	35.5	21.0	90 W	14*	83*
4 1	18 40.94	−29 55.3	1.335	1.699	36.0	20.8	92 W	14*	84*
4 6	18 53.84	−29 56.2	1.278	1.682	36.4	20.7	94 W	14*	86*
4 11	19 6.68	−29 53.7	1.222	1.665	36.7	20.6	96 W	14*	86
4 16	19 19.42	−29 47.7	1.168	1.649	37.0	20.5	99 W	14*	86
4 21	19 32.01	−29 38.5	1.115	1.633	37.2	20.4	101 W	14*	86
4 26	19 44.43	−29 26.1	1.064	1.618	37.3	20.3	103 W	14*	87
5 1	19 56.65	−29 10.7	1.015	1.604	37.4	20.2	105 W	14*	87
5 6	20 8.60	−28 52.4	0.967	1.589	37.3	20.0	107 W	15*	87
5 11	20 20.24	−28 31.4	0.921	1.576	37.2	19.9	109 W	15*	87
5 16	20 31.49	−28 8.1	0.877	1.563	37.0	19.8	112 W	16*	88
5 21	20 42.31	−27 42.6	0.835	1.551	36.6	19.7	114 W	16*	88
5 26	20 52.64	−27 15.3	0.795	1.540	36.2	19.5	116 W	17*	89
5 31	21 2.42	−26 46.4	0.757	1.529	35.5	19.4	119 W	17*	89
6 5	21 11.57	−26 16.3	0.721	1.520	34.8	19.2	121 W	18*	90
6 10	21 19.99	−25 45.3	0.686	1.511	33.8	19.1	124 W	19*	90
6 15	21 27.60	−25 13.8	0.654	1.503	32.7	18.9	127 W	20*	89
6 20	21 34.32	−24 41.9	0.624	1.496	31.3	18.8	130 W	20*	89
6 25	21 40.09	−24 9.9	0.597	1.490	29.8	18.6	133 W	21	88
7 5	21 48.44	−23 6.0	0.548	1.481	25.9	18.3	140 W	22	87
7 15	21 52.10	−22 2.4	0.510	1.476	21.0	18.0	149 W	23	86
7 25	21 51.16	−20 57.0	0.484	1.476	15.0	17.7	158 W	24	85
7 30	21 49.19	−20 22.7	0.476	1.477	11.7	17.6	163 W	25	84
8 4	21 46.44	−19 46.9	0.472	1.479	8.3	17.4	168 W	25	84
8 9	21 43.14	−19 9.4	0.471	1.483	5.1	17.2	173 W	26	83
8 14	21 39.59	−18 30.0	0.475	1.487	2.9	17.1	176 W	27	82
8 19	21 36.12	−17 48.6	0.482	1.492	4.3	17.3	174 E	27	82
8 24	21 32.98	−17 5.7	0.494	1.499	7.4	17.5	169 E	28	81
8 29	21 30.41	−16 21.5	0.509	1.506	10.6	17.7	164 E	29	80
9 3	21 28.59	−15 36.5	0.528	1.514	13.8	17.9	159 E	29	80
9 13	21 27.68	−14 5.5	0.578	1.533	19.4	18.3	150 E	31	78
9 23	21 30.69	−12 33.9	0.642	1.556	23.9	18.7	141 E	32	77
10 3	21 37.27	−11 2.2	0.718	1.581	27.5	19.1	133 E	34	75
10 13	21 46.93	− 9 29.2	0.805	1.609	30.1	19.5	126 E	36	73
10 23	21 59.04	− 7 53.9	0.902	1.639	31.9	19.8	120 E	37	72
11 2	22 13.01	− 6 15.5	1.008	1.672	33.0	20.1	113 E	39	70
11 12	22 28.40	− 4 33.3	1.122	1.706	33.6	20.4	108 E	40	69
11 22	22 44.82	− 2 47.3	1.244	1.741	33.7	20.7	102 E	42	67*
12 2	23 1.99	− 0 57.9	1.371	1.777	33.4	20.9	97 E	44	63*
12 12	23 19.72	+ 0 54.6	1.503	1.815	32.9	21.2	91 E	46	58*
12 22	23 37.86	+ 2 49.4	1.640	1.853	32.0	21.4	86 E	48	52*
121007 1999 AT_9									
3 7	17 44.39	−15 14.8	2.946	2.945	19.4	21.5	80 W	29*	70*
3 17	17 52.88	−15 5.8	2.790	2.931	19.8	21.4	88 W	29*	76*
3 27	17 59.77	−14 53.9	2.633	2.916	19.9	21.2	96 W	30*	79
4 6	18 4.82	−14 40.6	2.478	2.900	19.5	21.1	105 W	30*	79
4 16	18 7.73	−14 27.3	2.328	2.882	18.6	20.9	114 W	31	78
4 26	18 8.26	−14 15.4	2.187	2.864	17.1	20.7	123 W	31	78
5 6	18 6.20	−14 6.6	2.058	2.845	15.0	20.5	133 W	31	78
5 16	18 1.46	−14 2.3	1.946	2.825	12.3	20.2	144 W	31	78
5 26	17 54.18	−14 3.9	1.855	2.803	9.0	20.0	154 W	31	78
6 5	17 44.78	−14 12.2	1.789	2.781	5.4	19.7	165 W	31	78
6 15	17 34.00	−14 27.3	1.749	2.758	3.2	19.5	171 W	31	78
6 25	17 22.88	−14 49.2	1.738	2.733	5.5	19.6	165 E	30	79
7 5	17 12.50	−15 17.5	1.755	2.708	9.3	19.8	154 E	30	79
7 15	17 3.84	−15 51.3	1.796	2.681	13.1	20.0	143 E	29	80
7 25	16 57.63	−16 30.1	1.858	2.654	16.3	20.1	133 E	28	81
8 4	16 54.23	−17 12.8	1.936	2.625	19.0	20.3	123 E	28	81
8 14	16 53.76	−17 58.6	2.027	2.596	21.1	20.4	113 E	27*	82
8 24	16 56.13	−18 46.2	2.125	2.565	22.5	20.6	104 E	26*	83
9 3	17 1.16	−19 34.3	2.226	2.534	23.3	20.7	96 E	24*	84
9 13	17 8.62	−20 21.6	2.329	2.502	23.7	20.7	88 E	23*	80*
9 23	17 18.27	−21 6.8	2.429	2.468	23.6	20.8	80 E	22*	74*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
121007 1999 AT_9 *(continuation)*									
10 3	17 29.88	−21 48.5	2.525	2.434	23.2	20.8	73 E	20*	67*
10 13	17 43.27	−22 25.4	2.615	2.399	22.4	20.9	67 E	19*	60*
10 23	17 58.24	−22 56.1	2.697	2.364	21.4	20.9	60 E	18*	53*
11 2	18 14.61	−23 19.3	2.770	2.327	20.1	20.9	54 E	17*	47*
11 12	18 32.25	−23 34.0	2.833	2.290	18.7	20.8	48 E	16*	40*
11 22	18 51.00	−23 39.1	2.886	2.252	17.1	20.8	42 E	15*	34*
12 2	19 10.73	−23 33.7	2.928	2.214	15.4	20.7	36 E	14*	28*
12 12	19 31.31	−23 16.9	2.958	2.175	13.5	20.6	31 E	12*	22*
12 22	19 52.61	−22 48.2	2.978	2.136	11.6	20.5	26 E	10*	17*
1 1	20 14.52	−22 7.3	2.986	2.096	9.6	20.4	21 E	8*	12*
1 11	20 36.95	−21 13.9	2.984	2.056	7.6	20.3	16 E	5*	8*
1 21	20 59.79	−20 8.0	2.971	2.016	5.5	20.1	11 E	2*	4*
58149 1987 SX_{11}									
3 7	17 51.37	+ 1 49.9	3.567	3.530	16.1	21.5	80 W	45*	56*
3 17	17 57.96	+ 2 59.1	3.418	3.514	16.4	21.4	87 W	47*	59*
3 27	18 3.11	+ 4 15.5	3.269	3.497	16.5	21.3	95 W	49*	60*
4 6	18 6.65	+ 5 37.3	3.124	3.479	16.3	21.2	102 W	51*	58
4 16	18 8.39	+ 7 2.5	2.984	3.460	15.8	21.0	110 W	52	57
4 26	18 8.17	+ 8 28.3	2.854	3.440	15.0	20.9	118 W	53	56
5 6	18 5.94	+ 9 50.9	2.737	3.420	13.9	20.8	125 W	55	54
5 16	18 1.70	+11 5.9	2.636	3.399	12.7	20.6	132 W	56	53
5 26	17 55.63	+12 8.3	2.555	3.377	11.6	20.5	138 W	57	52
6 5	17 48.10	+12 53.4	2.496	3.354	10.7	20.4	142 W	58	51
6 15	17 39.62	+13 16.8	2.459	3.330	10.5	20.3	143 W	58	51
6 25	17 30.90	+13 16.4	2.446	3.305	11.0	20.3	142 E	58	51
7 5	17 22.64	+12 51.9	2.457	3.280	12.1	20.4	138 E	58	51
7 15	17 15.52	+12 5.3	2.488	3.254	13.5	20.4	132 E	57	52
7 25	17 10.05	+11 0.2	2.539	3.227	15.0	20.5	125 E	56	53
8 4	17 6.55	+ 9 41.2	2.605	3.199	16.4	20.6	117 E	55	54
8 14	17 5.20	+ 8 12.8	2.683	3.170	17.5	20.7	110 E	53*	56
8 24	17 6.02	+ 6 39.3	2.770	3.140	18.4	20.7	102 E	51*	57
9 3	17 8.91	+ 5 4.3	2.863	3.110	18.9	20.8	95 E	49*	59
9 13	17 13.75	+ 3 30.6	2.958	3.078	19.1	20.9	87 E	46*	60*
9 23	17 20.39	+ 2 0.5	3.052	3.046	18.9	20.9	80 E	44*	58*
10 3	17 28.65	+ 0 35.9	3.144	3.013	18.5	20.9	73 E	42*	54*
10 13	17 38.38	− 0 42.1	3.231	2.980	17.9	20.9	67 E	39*	49*
10 23	17 49.41	− 1 52.1	3.311	2.945	17.0	20.9	60 E	37*	43*
11 2	18 1.61	− 2 53.6	3.383	2.910	16.0	20.9	54 E	35*	36*
11 12	18 14.86	− 3 45.7	3.445	2.874	14.8	20.9	48 E	33*	29*
11 22	18 29.00	− 4 27.9	3.497	2.837	13.4	20.9	42 E	30*	22*
12 2	18 43.95	− 5 0.0	3.536	2.800	12.0	20.8	36 E	27*	15*
12 12	18 59.58	− 5 21.6	3.563	2.762	10.5	20.7	31 E	23*	8*
12 22	19 15.80	− 5 32.7	3.578	2.723	9.0	20.6	26 E	19*	2*
1 1	19 32.51	− 5 33.3	3.579	2.684	7.5	20.6	21 E	15*	—
1 11	19 49.63	− 5 23.7	3.566	2.643	6.3	20.5	17 E	10*	—
1 21	20 7.08	− 5 4.2	3.541	2.603	5.6	20.4	15 W	5*	—
273364 2006 UU_{210}									
3 7	18 0.03	−26 38.7	1.698	1.753	33.4	21.5	76 W	17*	70*
3 12	18 13.20	−26 36.5	1.640	1.738	34.1	21.4	78 W	17*	72*
3 17	18 26.36	−26 29.7	1.582	1.723	34.7	21.3	80 W	17*	74*
3 22	18 39.46	−26 18.6	1.525	1.709	35.3	21.2	82 W	17*	76*
3 27	18 52.49	−26 3.0	1.469	1.695	35.9	21.1	84 W	17*	78*
4 1	19 5.43	−25 43.1	1.414	1.681	36.4	21.1	86 W	17*	80*
4 6	19 18.23	−25 18.8	1.361	1.667	36.9	21.0	88 W	17*	82*
4 11	19 30.86	−24 50.4	1.308	1.655	37.3	20.9	90 W	18*	84*
4 16	19 43.29	−24 18.0	1.257	1.642	37.6	20.8	93 W	18*	86*
4 21	19 55.48	−23 41.7	1.207	1.630	37.9	20.7	95 W	19*	87*
4 26	20 7.39	−23 1.8	1.158	1.619	38.1	20.6	97 W	19*	87
5 1	20 19.01	−22 18.5	1.111	1.608	38.3	20.5	99 W	20*	86
5 6	20 30.29	−21 32.2	1.065	1.598	38.3	20.4	101 W	21*	86
5 16	20 51.65	−19 51.6	0.977	1.580	38.1	20.2	105 W	23*	84
5 26	21 11.11	−18 3.2	0.896	1.564	37.5	19.9	110 W	25*	82
6 5	21 28.31	−16 10.3	0.821	1.552	36.3	19.7	115 W	27*	80
6 15	21 42.77	−14 17.1	0.753	1.543	34.5	19.5	121 W	30*	78
6 25	21 53.98	−12 28.4	0.693	1.536	31.9	19.2	127 W	33*	76
7 5	22 1.47	−10 48.6	0.640	1.534	28.3	18.9	134 W	34	75
7 15	22 4.78	− 9 23.3	0.598	1.535	23.8	18.6	142 W	36	73
7 25	22 3.88	− 8 16.4	0.567	1.539	18.2	18.3	152 W	37	72
8 4	21 59.29	− 7 30.6	0.550	1.546	11.9	18.1	162 W	37	72
8 14	21 52.27	− 7 5.6	0.548	1.557	5.6	17.8	171 W	38	71
8 19	21 48.46	− 6 59.7	0.553	1.564	3.9	17.7	174 E	38	71
8 24	21 44.81	− 6 57.0	0.563	1.571	5.0	17.9	172 E	38	71
8 29	21 41.54	− 6 56.8	0.577	1.579	7.7	18.0	168 E	38	71
9 3	21 38.86	− 6 57.9	0.595	1.588	10.8	18.3	163 E	38	71
9 8	21 36.95	− 6 59.5	0.618	1.597	13.7	18.5	158 E	38	71
9 13	21 35.92	− 7 0.7	0.644	1.607	16.5	18.7	153 E	38	71
9 18	21 35.84	− 7 0.5	0.674	1.618	19.1	18.9	148 E	38	71
9 23	21 36.72	− 6 58.4	0.708	1.629	21.4	19.1	144 E	38	71

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	273364 2006 UU_{210}							*(continuation)*	
	h m	° ′			°	m	°	°	°
10 3	21 41.21	− 6 46.8	0.785	1.653	25.3	19.4	135 E	38	71
10 13	21 49.01	− 6 23.6	0.874	1.679	28.2	19.8	127 E	39	70
10 23	21 59.57	− 5 47.4	0.974	1.707	30.2	20.1	120 E	39	70
11 2	22 12.27	− 4 58.5	1.082	1.736	31.6	20.4	114 E	40	69
11 12	22 26.65	− 3 57.7	1.198	1.767	32.3	20.7	107 E	41	68
11 22	22 42.27	− 2 45.9	1.320	1.798	32.6	21.0	101 E	42	66*
12 2	22 58.81	− 1 24.7	1.448	1.830	32.4	21.2	96 E	44	63*
12 12	23 16.05	+ 0 4.5	1.581	1.863	31.9	21.4	90 E	45	58*
	237805 2002 CF_{26}								
3 7	18 1.64	−58 43.4	1.841	1.912	30.6	21.5	79 W	—	54*
3 12	18 20.17	−59 52.7	1.786	1.896	31.1	21.4	81 W	—	53*
3 17	18 39.53	−60 57.8	1.733	1.879	31.7	21.3	82 W	—	52*
3 22	18 59.71	−61 58.4	1.679	1.862	32.2	21.2	84 W	—	52*
3 27	19 20.71	−62 53.8	1.627	1.844	32.7	21.2	86 W	—	51*
4 1	19 42.48	−63 43.5	1.576	1.826	33.1	21.1	87 W	—	50*
4 6	20 4.96	−64 27.3	1.526	1.807	33.6	21.0	89 W	—	49*
4 11	20 28.00	−65 4.6	1.477	1.788	34.1	20.9	90 W	—	49*
4 16	20 51.45	−65 35.4	1.428	1.768	34.6	20.8	92 W	—	48*
4 21	21 15.13	−65 59.6	1.381	1.747	35.1	20.8	93 W	—	48*
4 26	21 38.84	−66 17.2	1.334	1.727	35.5	20.7	94 W	—	48*
5 1	22 2.39	−66 28.5	1.289	1.705	36.0	20.6	95 W	—	47*
5 6	22 25.55	−66 34.2	1.244	1.684	36.6	20.5	96 W	—	47*
5 11	22 48.13	−66 34.9	1.199	1.662	37.1	20.4	97 W	—	47*
5 16	23 9.94	−66 31.6	1.155	1.639	37.6	20.3	98 W	—	47*
5 21	23 30.84	−66 25.1	1.112	1.617	38.2	20.2	99 W	—	47*
5 26	23 50.71	−66 16.3	1.069	1.593	38.8	20.1	100 W	—	48*
5 31	0 9.50	−66 6.4	1.026	1.570	39.4	20.0	101 W	—	48*
6 5	0 27.14	−65 56.5	0.984	1.546	40.0	19.9	101 W	—	48*
6 10	0 43.55	−65 47.8	0.941	1.522	40.7	19.8	102 W	—	49*
6 15	0 58.67	−65 41.3	0.898	1.498	41.4	19.7	103 W	—	49*
6 20	1 12.46	−65 37.9	0.855	1.474	42.1	19.5	104 W	—	49*
6 25	1 24.84	−65 38.7	0.811	1.449	42.8	19.4	104 W	—	50*
6 30	1 35.74	−65 44.6	0.767	1.424	43.6	19.3	105 W	—	50*
7 5	1 44.98	−65 56.9	0.723	1.400	44.3	19.1	106 W	—	50*
7 10	1 52.33	−66 16.7	0.677	1.375	45.1	19.0	107 W	—	50*
7 15	1 57.39	−66 44.9	0.632	1.351	45.8	18.8	108 W	—	49*
7 17	1 58.66	−66 58.8	0.613	1.341	46.1	18.7	108 W	—	49
7 19	1 59.44	−67 14.1	0.595	1.331	46.3	18.7	109 W	—	49
7 21	1 59.67	−67 31.0	0.576	1.322	46.6	18.6	109 W	—	48
7 23	1 59.29	−67 49.5	0.558	1.312	46.9	18.5	110 W	—	48
7 25	1 58.22	−68 9.6	0.539	1.302	47.1	18.4	110 W	—	48
7 27	1 56.36	−68 31.3	0.520	1.293	47.4	18.3	110 W	—	47
7 29	1 53.60	−68 54.6	0.501	1.284	47.6	18.2	111 W	—	47
7 31	1 49.79	−69 19.4	0.482	1.274	47.8	18.1	112 W	—	47
8 2	1 44.75	−69 45.4	0.463	1.265	48.0	18.0	112 W	—	46
8 4	1 38.27	−70 12.4	0.445	1.256	48.1	17.9	113 W	—	46
8 5	1 34.41	−70 26.1	0.435	1.251	48.2	17.9	113 W	—	46
8 6	1 30.09	−70 39.8	0.426	1.247	48.3	17.8	113 W	—	45
8 7	1 25.28	−70 53.4	0.416	1.242	48.3	17.8	114 W	—	45
8 8	1 19.93	−71 6.7	0.407	1.238	48.4	17.7	114 W	—	45
8 9	1 13.99	−71 19.6	0.397	1.233	48.4	17.7	115 W	—	45
8 10	1 7.44	−71 32.0	0.388	1.229	48.4	17.6	115 W	—	44
8 11	1 0.22	−71 43.5	0.379	1.224	48.4	17.5	115 W	—	44
8 12	0 52.29	−71 53.9	0.370	1.220	48.4	17.5	116 W	—	44
8 13	0 43.61	−72 2.9	0.360	1.216	48.4	17.4	116 W	—	44
8 14	0 34.16	−72 10.1	0.351	1.211	48.4	17.4	117 W	—	44
8 15	0 23.91	−72 15.1	0.342	1.207	48.4	17.3	117 W	—	44
8 16	0 12.86	−72 17.4	0.333	1.203	48.3	17.2	117 W	—	44
8 17	0 1.02	−72 16.4	0.324	1.199	48.3	17.2	118 W	—	44
8 18	23 48.42	−72 11.6	0.315	1.195	48.2	17.1	118 W	—	44
8 19	23 35.14	−72 2.2	0.306	1.191	48.1	17.0	119 W	—	44
8 20	23 21.26	−71 47.7	0.297	1.186	48.0	16.9	119 W	—	44
8 21	23 6.91	−71 27.3	0.289	1.182	47.9	16.9	120 W	—	45
8 22	22 52.21	−71 0.2	0.280	1.178	47.8	16.8	120 W	—	45
8 23	22 37.34	−70 25.9	0.272	1.174	47.6	16.7	121 W	—	46
8 24	22 22.47	−69 43.5	0.264	1.171	47.5	16.6	121 W	—	46
8 25	22 7.77	−68 52.5	0.256	1.167	47.3	16.6	122 E	—	47
8 26	21 53.40	−67 52.3	0.248	1.163	47.1	16.5	122 E	—	48
8 27	21 39.48	−66 42.4	0.241	1.159	47.0	16.4	123 E	—	49
8 28	21 26.15	−65 22.4	0.233	1.155	46.8	16.3	123 E	—	51
8 29	21 13.49	−63 51.8	0.226	1.152	46.7	16.2	124 E	—	52
8 30	21 1.54	−62 10.4	0.220	1.148	46.5	16.2	124 E	—	54
8 31	20 50.35	−60 18.0	0.213	1.145	46.4	16.1	125 E	—	56
9 1	20 39.92	−58 14.5	0.207	1.141	46.4	16.0	125 E	—	58
9 2	20 30.24	−55 59.9	0.202	1.138	46.4	16.0	125 E	—	60
9 3	20 21.29	−53 34.4	0.197	1.134	46.4	15.9	125 E	—	62
9 4	20 13.04	−50 58.4	0.192	1.131	46.6	15.9	125 E	—	65
9 5	20 5.45	−48 12.2	0.188	1.128	46.8	15.8	125 E	—	68
9 6	19 58.47	−45 16.8	0.185	1.124	47.2	15.8	125 E	—	71
9 7	19 52.07	−42 13.0	0.182	1.121	47.6	15.7	125 E	3	74

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	237805 2002 CF_{26}							*(continuation)*	
	h m	° ′			°	m	°	°	°
9 8	19 46.21	−39 2.0	0.179	1.118	48.2	15.7	124 E	6	77
9 9	19 40.83	−35 45.3	0.178	1.115	48.9	15.7	123 E	9	80
9 10	19 35.90	−32 24.3	0.177	1.112	49.7	15.7	123 E	13	84
9 11	19 31.39	−29 0.8	0.176	1.109	50.7	15.7	122 E	16	87
9 12	19 27.26	−25 36.5	0.177	1.107	51.7	15.8	120 E	19	90
9 13	19 23.47	−22 13.2	0.178	1.104	52.8	15.8	119 E	23	86
9 14	19 19.99	−18 52.3	0.179	1.101	54.0	15.9	118 E	26	83
9 15	19 16.81	−15 35.5	0.182	1.098	55.1	15.9	116 E	29	80
9 16	19 13.89	−12 23.9	0.185	1.096	56.4	16.0	115 E	33	76
9 17	19 11.21	− 9 18.6	0.188	1.093	57.6	16.0	113 E	36	73
9 18	19 8.74	− 6 20.4	0.192	1.091	58.8	16.1	112 E	39	70
9 19	19 6.48	− 3 29.7	0.196	1.089	59.9	16.2	110 E	42	67
9 20	19 4.40	− 0 47.0	0.201	1.086	61.0	16.3	109 E	44	65
9 21	19 2.50	+ 1 47.6	0.207	1.084	62.0	16.4	107 E	47	62
9 22	19 0.74	+ 4 14.1	0.212	1.082	63.0	16.4	106 E	49	60
9 23	18 59.13	+ 6 32.7	0.219	1.080	63.9	16.5	105 E	52	57
9 25	18 56.30	+10 47.0	0.232	1.076	65.6	16.7	102 E	56	53
9 27	18 53.91	+14 33.2	0.246	1.073	66.9	16.9	100 E	60	49
9 29	18 51.92	+17 54.1	0.260	1.070	68.0	17.0	98 E	63	46*
10 1	18 50.27	+20 52.9	0.276	1.067	68.9	17.2	96 E	66	43*
10 3	18 48.91	+23 32.5	0.291	1.064	69.6	17.3	95 E	69*	40*
10 5	18 47.81	+25 55.6	0.308	1.062	70.1	17.4	93 E	71*	38*
10 7	18 46.95	+28 4.4	0.324	1.060	70.4	17.5	92 E	73*	35*
10 9	18 46.29	+30 1.0	0.340	1.059	70.6	17.7	91 E	74*	33*
10 11	18 45.82	+31 47.1	0.357	1.058	70.7	17.8	90 E	76*	30*
10 13	18 45.52	+33 24.3	0.373	1.057	70.7	17.9	89 E	77*	28*
10 15	18 45.36	+34 53.6	0.389	1.057	70.6	17.9	88 E	78*	26*
10 17	18 45.34	+36 16.1	0.405	1.057	70.4	18.0	87 E	79*	24*
10 19	18 45.44	+37 32.8	0.421	1.057	70.1	18.1	86 E	79*	23*
10 21	18 45.67	+38 44.3	0.437	1.058	69.8	18.2	86 E	79*	21*
10 23	18 46.00	+39 51.4	0.452	1.059	69.5	18.2	85 E	79*	19*
10 28	18 47.32	+42 23.0	0.489	1.063	68.4	18.4	84 E	78*	15*
11 2	18 49.33	+44 37.1	0.524	1.070	67.2	18.5	84 E	77*	11*
11 7	18 52.05	+46 39.1	0.556	1.078	65.9	18.6	83 E	75*	7*
11 12	18 55.51	+48 33.5	0.586	1.089	64.5	18.7	83 E	73*	3*
11 17	18 59.76	+50 23.4	0.612	1.101	63.1	18.8	83 E	71*	—
11 22	19 4.90	+52 11.2	0.636	1.115	61.7	18.9	84 E	70*	—
11 27	19 11.05	+53 59.0	0.657	1.131	60.3	18.9	84 E	68*	—
12 2	19 18.41	+55 48.9	0.675	1.149	58.8	19.0	85 E	66*	—
12 7	19 27.21	+57 42.4	0.690	1.167	57.4	19.0	86 E	64*	—
12 12	19 37.73	+59 41.0	0.704	1.187	56.0	19.0	88 E	63*	—
12 14	19 42.49	+60 29.9	0.708	1.195	55.4	19.1	88 E	62*	—
12 16	19 47.63	+61 19.8	0.713	1.203	54.9	19.1	89 E	61*	—
12 18	19 53.17	+62 10.6	0.717	1.212	54.3	19.1	89 E	61*	—
12 20	19 59.17	+63 2.2	0.721	1.220	53.7	19.1	90 E	60*	—
12 22	20 5.66	+63 54.6	0.725	1.229	53.1	19.1	91 E	60*	—
12 24	20 12.72	+64 47.8	0.728	1.238	52.6	19.1	91 E	59*	—
12 26	20 20.40	+65 41.6	0.732	1.247	52.0	19.1	92 E	59*	—
12 28	20 28.80	+66 35.9	0.735	1.256	51.4	19.1	93 E	58*	—
12 30	20 38.00	+67 30.4	0.739	1.265	50.9	19.1	93 E	58*	—
1 1	20 48.10	+68 25.0	0.742	1.275	50.3	19.1	94 E	58*	—
1 3	20 59.23	+69 19.3	0.745	1.284	49.7	19.2	95 E	57*	—
1 5	21 11.50	+70 12.9	0.749	1.293	49.2	19.2	96 E	57*	—
1 7	21 25.08	+71 5.2	0.752	1.303	48.6	19.2	96 E	57*	—
1 9	21 40.09	+71 55.7	0.756	1.312	48.0	19.2	97 E	57*	—
1 11	21 56.71	+72 43.7	0.760	1.322	47.5	19.2	98 E	57*	—
1 12	22 5.66	+73 6.4	0.762	1.327	47.2	19.2	98 E	57*	—
1 13	22 15.05	+73 28.1	0.764	1.332	46.9	19.2	99 E	57*	—
1 14	22 24.91	+73 48.7	0.766	1.337	46.6	19.2	99 E	57*	—
1 15	22 35.23	+74 8.1	0.768	1.341	46.4	19.2	99 E	57*	—
1 16	22 46.01	+74 26.0	0.771	1.346	46.1	19.2	100 E	57*	—
1 17	22 57.26	+74 42.4	0.773	1.351	45.8	19.2	100 E	57*	—
1 18	23 8.95	+74 57.2	0.775	1.356	45.6	19.2	100 E	57*	—
1 19	23 21.07	+75 10.0	0.778	1.361	45.3	19.3	100 E	57*	—
1 20	23 33.59	+75 20.9	0.781	1.366	45.0	19.3	101 E	58*	—
1 21	23 46.45	+75 29.7	0.783	1.371	44.8	19.3	101 E	58*	—
	5660 1974 *MA*								
3 7	18 26.64	−52 14.8	3.266	3.142	17.7	21.5	74 W	—	56*
3 12	18 31.87	−52 40.8	3.202	3.144	18.0	21.4	78 W	—	58*
3 17	18 36.57	−53 8.6	3.136	3.145	18.2	21.4	81 W	—	59*
3 22	18 40.69	−53 38.1	3.069	3.145	18.4	21.4	85 W	—	60*
3 27	18 44.18	−54 9.6	3.002	3.145	18.5	21.3	89 W	—	61*
4 1	18 46.96	−54 43.1	2.934	3.145	18.5	21.3	93 W	—	61*
4 6	18 48.95	−55 18.5	2.866	3.144	18.4	21.2	97 W	—	61*
4 11	18 50.07	−55 55.8	2.798	3.142	18.3	21.2	101 W	—	60
4 16	18 50.21	−56 34.8	2.732	3.140	18.0	21.1	105 W	—	59
4 21	18 49.27	−57 15.0	2.667	3.137	17.7	21.0	109 W	—	59
4 26	18 47.14	−57 56.0	2.604	3.133	17.2	21.0	113 W	—	58

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	5660 1974 *MA*				*(continuation)*				
	h m	° ′			°	m	°	°	°
5 1	18 43.73	−58 37.0	2.543	3.129	16.7	20.9	117 W	—	57
5 6	18 38.93	−59 17.1	2.486	3.125	16.1	20.8	121 W	—	57
5 11	18 32.65	−59 55.1	2.432	3.120	15.4	20.7	125 W	—	56
5 16	18 24.84	−60 29.4	2.383	3.114	14.7	20.7	128 W	—	56
5 21	18 15.54	−60 58.6	2.339	3.108	14.0	20.6	132 W	—	55
5 26	18 4.83	−61 20.8	2.299	3.101	13.3	20.5	135 W	—	55
5 31	17 52.92	−61 34.4	2.266	3.093	12.7	20.5	138 W	—	54
6 5	17 40.08	−61 37.9	2.238	3.085	12.2	20.4	140 W	—	54
6 7	17 34.76	−61 36.2	2.229	3.082	12.0	20.4	141 W	—	54
6 9	17 29.39	−61 32.6	2.221	3.078	11.9	20.4	141 W	—	54
6 11	17 23.98	−61 27.1	2.214	3.075	11.8	20.4	142 W	—	55
6 13	17 18.57	−61 19.7	2.208	3.071	11.8	20.4	142 E	—	55
6 15	17 13.19	−61 10.4	2.203	3.067	11.8	20.4	142 E	—	55
6 17	17 7.87	−60 59.2	2.199	3.064	11.8	20.4	142 E	—	55
6 19	17 2.63	−60 46.1	2.196	3.060	11.9	20.4	142 E	—	55
6 21	16 57.50	−60 31.3	2.195	3.056	12.0	20.4	141 E	—	55
6 23	16 52.51	−60 14.7	2.194	3.051	12.1	20.4	141 E	—	56
6 25	16 47.67	−59 56.5	2.194	3.047	12.3	20.4	140 E	—	56
6 30	16 36.35	−59 4.4	2.200	3.036	12.8	20.4	138 E	—	57
7 5	16 26.33	−58 4.3	2.212	3.025	13.6	20.4	136 E	—	58
7 10	16 17.74	−56 58.0	2.230	3.012	14.4	20.4	133 E	—	59
7 15	16 10.62	−55 47.5	2.254	3.000	15.3	20.5	129 E	—	60
7 20	16 4.96	−54 34.7	2.284	2.986	16.2	20.5	125 E	—	61
7 25	16 0.68	−53 21.0	2.317	2.972	17.0	20.6	121 E	—	63
7 30	15 57.68	−52 7.9	2.356	2.957	17.8	20.6	117 E	—	64
8 4	15 55.85	−50 56.4	2.397	2.942	18.5	20.7	113 E	—	65
8 9	15 55.10	−49 47.3	2.442	2.926	19.2	20.7	108 E	—	66
8 14	15 55.33	−48 41.2	2.489	2.909	19.7	20.8	104 E	—	67
8 19	15 56.43	−47 38.6	2.538	2.892	20.2	20.8	100 E	—	68
8 24	15 58.32	−46 39.5	2.588	2.874	20.5	20.9	96 E	—	69*
8 29	16 0.91	−45 44.1	2.639	2.856	20.7	20.9	92 E	—	69*
9 3	16 4.14	−44 52.3	2.690	2.836	20.8	20.9	88 E	—	68*
9 8	16 7.95	−44 4.0	2.741	2.816	20.8	21.0	84 E	—	67*
9 13	16 12.28	−43 19.1	2.791	2.796	20.8	21.0	80 E	—	65*
9 18	16 17.09	−42 37.2	2.841	2.774	20.6	21.0	76 E	—	62*
9 23	16 22.32	−41 58.2	2.888	2.752	20.3	21.0	72 E	—	60*
9 28	16 27.96	−41 21.6	2.934	2.730	20.0	21.0	68 E	—	57*
10 3	16 33.95	−40 47.4	2.977	2.706	19.5	21.0	65 E	—	55*
10 8	16 40.29	−40 15.1	3.018	2.682	19.0	21.0	61 E	—	52*
10 13	16 46.94	−39 44.5	3.056	2.657	18.5	21.0	58 E	—	49*
10 18	16 53.88	−39 15.3	3.091	2.631	17.8	21.0	54 E	—	46*
10 23	17 1.08	−38 47.2	3.122	2.605	17.1	21.0	51 E	—	43*
10 28	17 8.53	−38 19.9	3.150	2.578	16.4	20.9	47 E	—	40*
11 2	17 16.21	−37 53.2	3.173	2.550	15.6	20.9	44 E	—	37*
11 7	17 24.12	−37 26.7	3.193	2.521	14.7	20.9	40 E	—	34*
11 12	17 32.23	−37 0.4	3.209	2.491	13.9	20.8	37 E	—	31*
11 17	17 40.53	−36 33.8	3.220	2.461	12.9	20.8	34 E	—	27*
11 22	17 49.00	−36 6.7	3.227	2.430	12.0	20.7	31 E	—	24*
11 27	17 57.64	−35 39.0	3.229	2.397	11.0	20.6	28 E	—	21*
12 2	18 6.45	−35 10.3	3.226	2.364	10.0	20.6	24 E	—	18*
12 7	18 15.40	−34 40.5	3.219	2.330	8.9	20.5	22 E	—	15*
12 12	18 24.49	−34 9.4	3.207	2.296	7.9	20.4	19 E	—	12*
12 22	18 43.06	−33 2.3	3.168	2.223	5.9	20.2	13 E	—	7*
1 1	19 2.12	−31 47.2	3.110	2.146	4.4	20.0	10 E	—	2*
1 11	19 21.65	−30 22.3	3.033	2.065	4.1	19.9	9 W	—	—
1 21	19 41.61	−28 45.6	2.937	1.980	5.5	19.8	11 W	—	4*
	501115 2013 TU_{12}								
3 7	18 27.56	−12 3.3	2.155	2.039	27.2	21.4	70 W	29*	59*
3 17	18 47.76	− 9 52.5	2.009	1.992	28.8	21.3	75 W	32*	63*
3 27	19 7.61	− 7 17.8	1.867	1.946	30.2	21.1	79 W	34*	65*
4 6	19 27.05	− 4 18.2	1.731	1.901	31.6	20.9	84 W	37*	66*
4 16	19 45.96	− 0 53.2	1.602	1.856	32.7	20.7	88 W	40*	65*
4 26	20 4.25	+ 2 56.7	1.481	1.813	33.7	20.6	92 W	44*	61
5 6	20 21.84	+ 7 10.0	1.370	1.772	34.5	20.4	95 W	49*	57
5 16	20 38.60	+11 44.0	1.270	1.733	35.3	20.2	98 W	54*	52
5 21	20 46.63	+14 7.2	1.224	1.714	35.6	20.1	100 W	56*	50
5 26	20 54.41	+16 33.6	1.181	1.696	35.9	20.0	101 W	59*	47
5 31	21 1.92	+19 2.4	1.140	1.678	36.2	19.9	102 W	62*	45
6 5	21 9.14	+21 32.6	1.102	1.662	36.4	19.8	103 W	65*	42
6 10	21 16.04	+24 3.1	1.066	1.646	36.7	19.7	104 W	68*	40
6 15	21 22.59	+26 32.5	1.033	1.630	36.9	19.6	105 W	71*	37
6 20	21 28.76	+28 59.6	1.002	1.616	37.1	19.5	106 W	74*	35
6 25	21 34.54	+31 23.1	0.973	1.603	37.3	19.5	107 W	76	33
6 30	21 39.89	+33 41.6	0.946	1.590	37.4	19.4	108 W	79	30
7 5	21 44.77	+35 53.8	0.921	1.579	37.5	19.3	109 W	81	28
7 10	21 49.14	+37 58.2	0.897	1.569	37.5	19.3	110 W	83	26
7 15	21 52.97	+39 53.2	0.875	1.559	37.5	19.2	111 W	85	24
7 20	21 56.26	+41 37.4	0.854	1.551	37.4	19.1	112 W	87	22

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	501115 2013 TU_{12}				*(continuation)*				
	h m	° ′			°	m	°	°	°
7 25	21 59.00	+43 9.4	0.833	1.544	37.3	19.1	113 W	88	21
7 30	22 1.20	+44 27.9	0.814	1.539	37.0	19.0	114 W	89	20
8 4	22 2.87	+45 31.3	0.796	1.534	36.7	18.9	115 W	89	18
8 9	22 4.06	+46 18.2	0.778	1.531	36.2	18.9	117 W	89	18
8 14	22 4.88	+46 47.0	0.761	1.529	35.7	18.8	118 W	88	17
8 19	22 5.46	+46 56.4	0.745	1.528	34.9	18.7	120 W	88	17
8 24	22 5.95	+46 45.6	0.730	1.529	34.1	18.7	122 E	88	17
8 29	22 6.50	+46 13.5	0.716	1.531	33.1	18.6	124 E	89	18
9 3	22 7.28	+45 19.5	0.704	1.534	32.0	18.5	126 E	90	19
9 8	22 8.47	+44 3.2	0.693	1.538	30.8	18.5	128 E	89	20
9 13	22 10.22	+42 25.2	0.685	1.544	29.6	18.4	131 E	87	22
9 18	22 12.66	+40 26.8	0.680	1.550	28.3	18.4	133 E	85	24
9 23	22 15.84	+38 10.1	0.678	1.558	27.1	18.3	135 E	83	26
9 28	22 19.78	+35 37.9	0.680	1.568	26.0	18.3	137 E	81	28
10 3	22 24.49	+32 53.7	0.686	1.578	25.2	18.3	138 E	78	31
10 8	22 29.92	+30 1.8	0.697	1.589	24.7	18.4	138 E	75	34
10 13	22 36.05	+27 6.7	0.713	1.601	24.5	18.4	138 E	72	37
10 18	22 42.79	+24 13.4	0.734	1.615	24.7	18.5	137 E	69	40
10 23	22 50.04	+21 25.9	0.760	1.629	25.2	18.6	136 E	66	43
10 28	22 57.74	+18 47.6	0.791	1.644	25.9	18.8	134 E	64	45
11 2	23 5.80	+16 21.1	0.828	1.660	26.7	18.9	131 E	61	48
11 7	23 14.16	+14 8.2	0.869	1.676	27.6	19.0	128 E	59	50
11 12	23 22.78	+12 10.0	0.916	1.694	28.4	19.2	125 E	57	52
11 22	23 40.52	+ 8 57.8	1.021	1.731	29.9	19.5	119 E	54	55
12 2	23 58.68	+ 6 40.6	1.140	1.770	31.0	19.9	113 E	52	57
12 12	0 17.07	+ 5 10.6	1.272	1.811	31.5	20.2	106 E	50	59*
12 17	0 26.31	+ 4 40.7	1.341	1.832	31.6	20.3	103 E	50	58*
12 22	0 35.55	+ 4 19.2	1.413	1.854	31.5	20.4	100 E	49	58*
12 27	0 44.79	+ 4 5.2	1.486	1.876	31.4	20.6	97 E	49	57*
1 1	0 54.03	+ 3 57.7	1.561	1.898	31.1	20.7	94 E	49	56*
1 6	1 3.27	+ 3 55.9	1.637	1.921	30.8	20.8	91 E	49	54*
1 11	1 12.51	+ 3 59.1	1.714	1.943	30.4	20.9	88 E	49	53*
1 16	1 21.74	+ 4 6.4	1.792	1.966	29.9	21.0	85 E	49	51*
1 21	1 30.96	+ 4 17.2	1.870	1.989	29.3	21.1	82 E	49	50*
	363790 2005 JE_{46}								
3 7	18 30.09	−22 41.1	1.702	1.641	34.5	21.4	69 W	19*	63*
3 12	18 45.25	−22 8.3	1.624	1.602	35.9	21.2	71 W	19*	65*
3 17	19 0.93	−21 27.4	1.547	1.563	37.3	21.1	72 W	20*	66*
3 22	19 17.15	−20 37.5	1.473	1.523	38.8	21.0	73 W	20*	67*
3 27	19 33.97	−19 37.8	1.401	1.482	40.4	20.9	74 W	20*	68*
4 1	19 51.43	−18 27.3	1.332	1.442	42.0	20.8	75 W	21*	68*
4 6	20 9.58	−17 5.0	1.267	1.401	43.7	20.6	75 W	21*	68*
4 11	20 28.47	−15 30.0	1.205	1.360	45.5	20.5	75 W	22*	68*
4 16	20 48.12	−13 41.3	1.147	1.318	47.4	20.4	75 W	22*	68*
4 21	21 8.58	−11 38.5	1.094	1.277	49.4	20.3	75 W	23*	67*
4 26	21 29.88	− 9 21.3	1.047	1.236	51.5	20.2	74 W	24*	65*
5 6	22 15.07	− 4 5.9	0.971	1.155	55.9	20.0	71 W	25*	61*
5 16	23 3.56	+ 1 52.0	0.923	1.077	60.2	19.8	68 W	26*	56*
5 26	23 54.86	+ 8 4.3	0.905	1.005	63.8	19.8	63 W	27*	50*
5 31	0 21.31	+11 4.4	0.908	0.973	65.1	19.7	61 W	28*	46*
6 5	0 48.12	+13 54.3	0.918	0.943	66.1	19.7	58 W	28*	43*
6 10	1 15.12	+16 30.2	0.935	0.916	66.5	19.7	56 W	28*	41*
6 15	1 42.16	+18 49.0	0.958	0.894	66.4	19.7	54 W	28*	38*
6 20	2 9.09	+20 48.8	0.987	0.876	65.8	19.7	52 W	28*	35*
6 25	2 35.76	+22 28.9	1.020	0.862	64.7	19.7	50 W	28*	33*
6 30	3 2.03	+23 49.1	1.056	0.854	63.3	19.7	49 W	29*	31*
7 5	3 27.77	+24 50.3	1.095	0.852	61.5	19.7	47 W	29*	30*
7 10	3 52.86	+25 33.3	1.136	0.855	59.4	19.8	46 W	29*	28*
7 15	4 17.17	+25 59.6	1.177	0.864	57.3	19.8	46 W	29*	27*
7 20	4 40.61	+26 10.8	1.218	0.878	55.1	19.9	45 W	30*	27*
7 25	5 3.10	+26 8.5	1.259	0.897	53.0	19.9	45 W	30*	26*
7 30	5 24.62	+25 54.5	1.299	0.920	51.0	20.0	45 W	31*	26*
8 4	5 45.11	+25 30.3	1.337	0.947	49.2	20.1	45 W	31*	25*
8 9	6 4.56	+24 57.5	1.372	0.977	47.5	20.1	45 W	32*	25*
8 14	6 22.99	+24 17.6	1.405	1.010	46.1	20.2	46 W	33*	25*
8 19	6 40.40	+23 31.7	1.436	1.046	44.8	20.3	47 W	34*	26*
8 24	6 56.82	+22 41.0	1.464	1.083	43.7	20.4	48 W	36*	26*
8 29	7 12.32	+21 46.4	1.488	1.121	42.7	20.5	49 W	37*	27*
9 3	7 26.91	+20 48.9	1.510	1.161	41.9	20.6	50 W	38*	27*
9 8	7 40.63	+19 49.2	1.528	1.201	41.2	20.6	52 W	40*	28*
9 13	7 53.53	+18 47.8	1.543	1.242	40.6	20.7	53 W	41*	29*
9 18	8 5.62	+17 45.4	1.554	1.283	40.1	20.8	55 W	43*	30*
9 23	8 16.96	+16 42.4	1.562	1.324	39.6	20.9	57 W	44*	32*
9 28	8 27.57	+15 39.1	1.567	1.366	39.2	20.9	59 W	46*	33*
10 3	8 37.47	+14 36.1	1.568	1.407	38.8	21.0	62 W	48*	34*
10 8	8 46.66	+13 33.6	1.566	1.448	38.5	21.0	64 W	49*	36*
10 13	8 55.16	+12 31.8	1.561	1.488	38.1	21.1	67 W	50*	38*
10 18	9 2.96	+11 31.2	1.553	1.529	37.7	21.1	70 W	52*	40*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
363790 2005 JE_{46} *(continuation)*									
10 23	9 10.07	+10 32.0	1.541	1.568	37.3	21.1	73 W	52*	42*
10 28	9 16.49	+ 9 34.4	1.527	1.608	36.8	21.1	76 W	53*	44*
11 2	9 22.18	+ 8 38.6	1.510	1.647	36.3	21.2	79 W	53*	46*
11 7	9 27.12	+ 7 45.1	1.490	1.685	35.7	21.2	83 W	53*	48*
11 12	9 31.28	+ 6 54.1	1.469	1.723	35.0	21.2	87 W	52	51*
11 17	9 34.64	+ 6 5.9	1.446	1.760	34.2	21.1	91 W	51	53*
11 22	9 37.14	+ 5 21.0	1.421	1.796	33.2	21.1	95 W	50	56*
11 27	9 38.76	+ 4 39.6	1.395	1.832	32.1	21.1	99 W	50	58*
12 2	9 39.45	+ 4 2.2	1.369	1.868	30.8	21.1	104 W	49	59*
12 7	9 39.15	+ 3 29.3	1.343	1.903	29.4	21.0	109 W	48	61*
12 12	9 37.84	+ 3 1.4	1.318	1.937	27.7	21.0	114 W	48	61
12 17	9 35.50	+ 2 39.0	1.295	1.970	25.9	20.9	119 W	48	61
12 22	9 32.13	+ 2 22.4	1.273	2.003	23.8	20.9	125 W	47	62
12 27	9 27.76	+ 2 12.2	1.255	2.035	21.6	20.8	130 W	47	62
1 1	9 22.44	+ 2 8.7	1.240	2.067	19.1	20.7	136 W	47	62
1 6	9 16.26	+ 2 11.9	1.231	2.098	16.6	20.6	143 W	47	62
1 11	9 9.38	+ 2 22.0	1.226	2.128	13.9	20.6	149 W	47	62
1 16	9 1.97	+ 2 38.4	1.228	2.158	11.3	20.5	155 W	48	61
1 21	8 54.26	+ 3 0.5	1.237	2.187	8.8	20.5	160 W	48	61
308128 2004 XK_{133}									
3 7	18 41.80	−27 33.9	2.432	2.241	24.1	21.4	67 W	14*	61*
3 17	19 1.37	−27 44.6	2.289	2.209	25.5	21.3	73 W	14*	67*
3 27	19 20.51	−27 51.3	2.144	2.177	26.7	21.1	79 W	14*	72*
4 6	19 39.09	−27 55.8	1.999	2.145	27.7	21.0	84 W	14*	78*
4 16	19 56.96	−28 0.1	1.856	2.112	28.4	20.8	90 W	14*	83*
4 26	20 13.92	−28 6.3	1.715	2.080	28.7	20.6	96 W	14*	88*
5 6	20 29.78	−28 17.1	1.578	2.048	28.8	20.4	102 W	14*	88
5 16	20 44.25	−28 35.6	1.447	2.016	28.3	20.2	109 W	15*	87
5 26	20 57.01	−29 4.7	1.323	1.984	27.4	19.9	116 W	15*	87
6 5	21 7.67	−29 47.4	1.207	1.953	25.9	19.6	123 W	15*	86
6 15	21 15.70	−30 46.0	1.102	1.922	23.7	19.3	130 W	14*	85
6 20	21 18.57	−31 21.5	1.054	1.907	22.4	19.2	134 W	14	85
6 25	21 20.59	−32 0.8	1.009	1.893	20.9	19.0	138 W	13	84
6 30	21 21.70	−32 43.5	0.968	1.878	19.3	18.9	142 W	12	83
7 5	21 21.83	−33 29.0	0.930	1.864	17.6	18.7	146 W	12	83
7 10	21 20.95	−34 16.1	0.897	1.850	15.8	18.6	150 W	11	82
7 15	21 19.06	−35 3.4	0.868	1.836	14.1	18.4	154 W	10	81
7 20	21 16.23	−35 49.0	0.844	1.823	12.6	18.3	157 W	9	80
7 25	21 12.55	−36 31.0	0.824	1.810	11.5	18.2	159 W	8	79
7 30	21 8.18	−37 7.6	0.809	1.798	11.0	18.1	160 W	8	79
8 4	21 3.32	−37 36.7	0.799	1.785	11.4	18.1	160 W	7	78
8 9	20 58.23	−37 56.8	0.794	1.774	12.5	18.1	158 E	7	78
8 14	20 53.22	−38 6.8	0.793	1.763	14.2	18.1	155 E	7	78
8 19	20 48.61	−38 6.0	0.796	1.752	16.3	18.2	151 E	7	78
8 24	20 44.64	−37 54.7	0.804	1.741	18.4	18.3	147 E	7	78
8 29	20 41.53	−37 33.4	0.816	1.732	20.6	18.4	143 E	7	78
9 3	20 39.45	−37 2.7	0.831	1.723	22.8	18.5	139 E	8	79
9 8	20 38.50	−36 23.8	0.850	1.714	24.8	18.6	135 E	9	80
9 13	20 38.74	−35 37.7	0.871	1.706	26.7	18.7	130 E	9	80
9 18	20 40.16	−34 45.4	0.895	1.698	28.3	18.8	127 E	10	81
9 23	20 42.71	−33 47.8	0.922	1.692	29.9	18.9	123 E	11	82
9 28	20 46.31	−32 45.7	0.951	1.686	31.2	19.0	119 E	12	83
10 3	20 50.87	−31 39.7	0.981	1.680	32.4	19.1	116 E	13	84
10 8	20 56.32	−30 30.1	1.014	1.675	33.4	19.1	113 E	14	85
10 13	21 2.56	−29 17.3	1.048	1.671	34.2	19.2	110 E	16	87
10 18	21 9.50	−28 1.7	1.083	1.668	34.9	19.3	107 E	17	88
10 23	21 17.04	−26 43.5	1.120	1.665	35.5	19.4	104 E	18	89
10 28	21 25.09	−25 22.9	1.158	1.663	35.9	19.5	101 E	20	89
11 2	21 33.59	−24 0.1	1.197	1.662	36.2	19.6	98 E	21	88
11 7	21 42.49	−22 35.2	1.237	1.662	36.4	19.6	96 E	22	86*
11 12	21 51.71	−21 8.3	1.278	1.662	36.5	19.7	93 E	24	83*
11 22	22 10.94	−18 9.5	1.364	1.665	36.4	19.9	89 E	27	76*
12 2	22 30.93	−15 5.2	1.453	1.670	36.0	20.0	84 E	30	69*
12 12	22 51.48	−11 56.8	1.545	1.679	35.3	20.1	80 E	33	62*
12 22	23 12.41	− 8 46.1	1.640	1.690	34.3	20.2	76 E	36	55*
1 1	23 33.61	− 5 34.7	1.737	1.704	33.2	20.3	72 E	39*	49*
1 11	23 55.04	− 2 24.4	1.837	1.720	31.9	20.5	67 E	42*	43*
1 21	0 16.67	+ 0 43.1	1.938	1.739	30.4	20.6	64 E	43*	38*
416386 2003 UW_{19}									
3 7	18 50.78	−20 30.0	2.316	2.090	25.4	21.4	64 W	20*	58*
3 17	19 11.56	−21 5.1	2.171	2.050	27.1	21.3	70 W	19*	63*
3 27	19 32.51	−21 39.8	2.025	2.010	28.6	21.1	75 W	18*	69*
4 6	19 53.63	−22 16.2	1.881	1.971	30.0	20.9	80 W	18*	74*
4 16	20 14.92	−22 57.2	1.738	1.932	31.2	20.8	85 W	17*	79*
4 26	20 36.39	−23 46.0	1.599	1.894	32.1	20.6	90 W	16*	84*
5 6	20 58.08	−24 46.0	1.466	1.857	32.7	20.4	95 W	16*	89*
5 16	21 20.00	−26 1.6	1.340	1.820	33.1	20.1	101 W	15*	90
5 26	21 42.14	−27 36.9	1.222	1.786	33.1	19.9	106 W	14*	88
6 5	22 4.51	−29 35.9	1.115	1.753	32.8	19.6	111 W	12*	86
6 15	22 26.97	−32 1.9	1.019	1.722	32.2	19.4	116 W	11*	84

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
416386 2003 UW_{19} *(continuation)*									
6 20	22 38.18	−33 25.4	0.976	1.707	31.8	19.3	118 W	10*	83
6 25	22 49.34	−34 55.8	0.937	1.693	31.3	19.1	120 W	9*	81
6 30	23 0.39	−36 32.7	0.901	1.679	30.8	19.0	122 W	8*	79
7 5	23 11.26	−38 15.5	0.868	1.666	30.4	18.9	124 W	6*	78
7 10	23 21.86	−40 3.1	0.840	1.654	29.9	18.8	126 W	5*	76
7 15	23 32.08	−41 54.3	0.815	1.643	29.5	18.7	127 W	3*	74
7 20	23 41.80	−43 47.4	0.794	1.632	29.2	18.6	128 W	1	72
7 25	23 50.92	−45 40.6	0.776	1.622	29.0	18.6	129 W	—	70
7 30	23 59.25	−47 31.9	0.762	1.613	28.9	18.5	130 W	—	68
8 4	0 6.63	−49 19.4	0.751	1.605	28.9	18.5	130 W	—	67
8 9	0 12.88	−51 0.8	0.743	1.598	29.0	18.4	130 W	—	65
8 14	0 17.84	−52 33.8	0.738	1.591	29.2	18.4	130 W	—	63
8 19	0 21.41	−53 56.3	0.736	1.586	29.5	18.4	130 W	—	62
8 24	0 23.52	−55 6.3	0.736	1.582	29.8	18.4	129 W	—	61
8 29	0 24.15	−56 2.0	0.739	1.578	30.1	18.4	128 W	—	60
9 3	0 23.37	−56 41.9	0.743	1.576	30.5	18.5	128 W	—	59
9 8	0 21.35	−57 4.3	0.750	1.574	30.9	18.5	127 W	—	59
9 13	0 18.38	−57 8.0	0.758	1.574	31.3	18.5	126 W	—	59
9 18	0 14.83	−56 52.4	0.768	1.574	31.6	18.6	125 W	—	59
9 23	0 11.04	−56 17.6	0.780	1.576	32.0	18.6	124 W	—	60
9 28	0 7.38	−55 24.1	0.793	1.578	32.3	18.7	123 E	—	61
10 3	0 4.12	−54 12.5	0.809	1.582	32.6	18.7	122 E	—	62
10 8	0 1.53	−52 44.1	0.826	1.587	32.9	18.8	120 E	—	63
10 13	23 59.78	−51 0.5	0.845	1.592	33.1	18.8	119 E	—	65
10 18	23 58.94	−49 3.5	0.866	1.598	33.4	18.9	118 E	—	67
10 23	23 59.03	−46 55.1	0.890	1.606	33.6	19.0	117 E	—	69
10 28	0 0.01	−44 37.3	0.915	1.614	33.8	19.1	115 E	—	71
11 2	0 1.83	−42 11.8	0.944	1.623	34.0	19.1	114 E	3	74
11 7	0 4.43	−39 40.3	0.974	1.633	34.1	19.2	112 E	5	76
11 12	0 7.76	−37 4.6	1.008	1.644	34.3	19.3	111 E	8	79
11 17	0 11.72	−34 26.3	1.044	1.655	34.4	19.4	109 E	11	82
11 22	0 16.24	−31 46.8	1.082	1.667	34.5	19.5	107 E	13	84
11 27	0 21.25	−29 7.3	1.124	1.680	34.5	19.6	105 E	16	87
12 2	0 26.70	−26 28.8	1.168	1.694	34.5	19.7	103 E	19	90
12 7	0 32.54	−23 52.0	1.215	1.708	34.4	19.8	101 E	21	88
12 12	0 38.75	−21 17.9	1.264	1.723	34.3	19.9	99 E	24	85
12 17	0 45.26	−18 46.9	1.316	1.738	34.2	20.0	97 E	26	82*
12 22	0 52.04	−16 19.7	1.370	1.754	34.0	20.1	95 E	29	78*
12 27	0 59.07	−13 56.4	1.427	1.770	33.7	20.2	93 E	31	74*
1 1	1 6.33	−11 37.3	1.486	1.787	33.4	20.3	90 E	33	70*
1 6	1 13.80	− 9 22.5	1.546	1.804	33.0	20.4	88 E	36	67*
1 11	1 21.47	− 7 12.2	1.609	1.822	32.6	20.5	86 E	38	63*
1 16	1 29.31	− 5 6.5	1.673	1.840	32.1	20.6	83 E	40	59*
1 21	1 37.31	− 3 5.3	1.738	1.858	31.5	20.7	81 E	42	56*
329614 2003 KU_2									
3 7	19 4.25	−20 2.9	1.857	1.632	32.2	21.4	61 W	19*	55*
3 12	19 20.55	−19 42.0	1.776	1.584	33.8	21.3	62 W	19*	56*
3 17	19 37.56	−19 14.2	1.698	1.536	35.4	21.1	63 W	18*	57*
3 22	19 55.35	−18 38.8	1.622	1.488	37.0	21.0	64 W	18*	58*
3 27	20 13.96	−17 55.1	1.551	1.439	38.8	20.9	65 W	18*	58*
4 1	20 33.44	−17 2.0	1.483	1.391	40.5	20.8	65 W	18*	58*
4 6	20 53.82	−15 58.8	1.420	1.343	42.4	20.6	65 W	17*	58*
4 11	21 15.11	−14 44.8	1.362	1.295	44.2	20.5	64 W	17*	58*
4 16	21 37.29	−13 19.2	1.309	1.248	46.1	20.4	64 W	17*	57*
4 26	22 24.20	− 9 53.4	1.225	1.156	49.9	20.2	61 W	16*	55*
5 6	23 13.94	− 5 45.2	1.171	1.070	53.3	20.0	58 W	15*	52*
5 16	0 5.45	− 1 8.2	1.149	0.993	55.7	19.9	54 W	14*	47*
5 21	0 31.45	+ 1 14.4	1.151	0.960	56.4	19.9	52 W	14*	45*
5 26	0 57.41	+ 3 35.8	1.161	0.931	56.6	19.8	50 W	13*	43*
5 31	1 23.19	+ 5 53.3	1.178	0.906	56.4	19.8	48 W	13*	41*
6 5	1 48.68	+ 8 4.3	1.202	0.887	55.7	19.8	46 W	13*	38*
6 10	2 13.76	+10 6.8	1.231	0.874	54.5	19.7	45 W	13*	36*
6 15	2 38.35	+11 59.3	1.266	0.867	53.0	19.7	43 W	14*	35*
6 25	3 25.78	+15 10.6	1.344	0.874	49.1	19.8	41 W	15*	31*
7 5	4 10.54	+17 35.0	1.429	0.906	45.0	19.9	39 W	16*	29*
7 15	4 52.24	+19 14.3	1.515	0.960	41.3	20.0	39 W	19*	27*
7 20	5 11.86	+19 48.5	1.557	0.993	39.7	20.1	39 W	20*	27*
7 25	5 30.64	+20 13.6	1.597	1.030	38.4	20.2	39 W	21*	26*
7 30	5 48.58	+20 30.5	1.635	1.070	37.2	20.3	40 W	23*	26*
8 4	6 5.68	+20 40.2	1.671	1.112	36.2	20.4	40 W	25*	26*
8 9	6 21.95	+20 43.4	1.704	1.156	35.4	20.5	41 W	27*	26*
8 14	6 37.41	+20 41.1	1.735	1.201	34.7	20.6	42 W	28*	26*
8 19	6 52.06	+20 34.1	1.762	1.247	34.2	20.7	44 W	30*	26*
8 24	7 5.95	+20 23.2	1.786	1.295	33.8	20.8	45 W	32*	26*
8 29	7 19.09	+20 9.2	1.808	1.342	33.4	20.9	47 W	35*	27*
9 3	7 31.50	+19 52.6	1.825	1.390	33.2	21.0	49 W	37*	27*
9 8	7 43.22	+19 34.0	1.840	1.439	33.0	21.1	51 W	39*	28*
9 13	7 54.24	+19 14.1	1.850	1.487	32.9	21.2	53 W	41*	29*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
329614 2003 KU_2 *(continuation)*									
9 18	8 4.58	+18 53.4	1.858	1.535	32.7	21.3	56 W	44*	30*
9 23	8 14.27	+18 32.3	1.861	1.583	32.6	21.3	58 W	46*	31*
9 28	8 23.31	+18 11.3	1.862	1.631	32.5	21.4	61 W	49*	32*
10 3	8 31.71	+17 50.7	1.858	1.679	32.4	21.4	64 W	51*	33*
10 8	8 39.46	+17 31.1	1.852	1.726	32.2	21.5	67 W	53*	34*
435246 2007 TV_{24}									
3 7	19 8.18	− 8 10.1	1.739	1.511	34.7	21.4	60 W	29*	49*
3 17	19 38.35	− 4 47.5	1.652	1.475	36.6	21.3	62 W	31*	50*
3 27	20 8.64	− 0 59.2	1.575	1.443	38.3	21.2	64 W	33*	50*
4 6	20 39.05	+ 3 9.4	1.509	1.413	39.9	21.1	65 W	35*	50*
4 16	21 9.54	+ 7 31.6	1.454	1.388	41.3	21.0	66 W	38*	49*
4 26	21 40.11	+11 58.6	1.409	1.366	42.5	21.0	66 W	40*	46*
5 6	22 10.79	+16 21.8	1.373	1.349	43.5	20.9	67 W	42*	44*
5 16	22 41.57	+20 32.7	1.345	1.338	44.3	20.9	67 W	44*	41*
5 26	23 12.43	+24 23.6	1.322	1.331	44.9	20.8	68 W	46*	38*
6 5	23 43.32	+27 48.9	1.302	1.331	45.3	20.8	69 W	48*	36*
6 15	0 14.09	+30 44.2	1.281	1.335	45.6	20.8	70 W	51*	33*
6 25	0 44.49	+33 6.6	1.260	1.345	45.8	20.8	72 W	54*	31*
7 5	1 14.23	+34 54.8	1.234	1.360	45.8	20.8	74 W	58*	29
7 15	1 42.87	+36 7.9	1.204	1.380	45.7	20.7	76 W	62*	28
7 25	2 9.90	+36 45.8	1.168	1.405	45.4	20.7	80 W	67*	27
8 4	2 34.80	+36 48.6	1.127	1.433	44.7	20.7	84 W	71*	27
8 14	2 56.91	+36 16.3	1.080	1.465	43.7	20.6	89 W	76*	28
8 24	3 15.61	+35 8.0	1.028	1.499	42.2	20.5	95 W	79*	29
8 29	3 23.49	+34 19.9	1.001	1.517	41.2	20.4	98 W	79*	30
9 3	3 30.28	+33 22.2	0.973	1.536	40.0	20.4	102 W	78	31
9 8	3 35.90	+32 14.3	0.945	1.555	38.6	20.3	106 W	77	32
9 13	3 40.26	+30 55.8	0.918	1.575	37.0	20.2	110 W	76	33
9 18	3 43.33	+29 26.2	0.891	1.595	35.0	20.1	114 W	74	35
9 23	3 45.07	+27 45.2	0.866	1.615	32.8	20.0	119 W	73	36
10 3	3 44.48	+23 48.2	0.823	1.657	27.4	19.8	130 W	69	40
10 13	3 38.71	+19 7.7	0.794	1.699	20.9	19.6	143 W	64	45
10 23	3 28.84	+13 58.8	0.786	1.741	13.6	19.4	156 W	59	50
10 28	3 22.90	+11 21.9	0.791	1.763	10.1	19.3	162 W	56	53
11 2	3 16.64	+ 8 49.0	0.804	1.784	7.3	19.2	167 W	54	55
11 7	3 10.35	+ 6 24.3	0.823	1.806	6.1	19.2	169 W	51	58
11 12	3 4.29	+ 4 11.6	0.849	1.827	7.2	19.4	167 E	49	60
11 17	2 58.72	+ 2 13.5	0.883	1.848	9.6	19.6	162 E	47	62
11 22	2 53.79	+ 0 31.6	0.923	1.869	12.3	19.8	156 E	46	63
12 2	2 46.36	− 2 2.9	1.019	1.911	17.3	20.3	145 E	43	66
12 12	2 42.50	− 3 36.3	1.135	1.952	21.2	20.7	134 E	41	68
12 22	2 42.15	− 4 20.1	1.265	1.993	24.1	21.0	124 E	41	68
1 1	2 44.92	− 4 26.6	1.406	2.033	25.9	21.4	115 E	41	68
455265 2001 VS_4									
3 7	19 25.19	−22 29.8	2.280	1.924	25.5	21.5	57 W	15*	51*
3 17	19 49.41	−21 15.2	2.158	1.888	27.4	21.4	61 W	15*	55*
3 27	20 13.41	−19 45.1	2.036	1.852	29.3	21.3	65 W	16*	59*
4 6	20 37.13	−17 59.7	1.915	1.817	31.0	21.1	69 W	17*	63*
4 16	21 0.51	−15 59.7	1.796	1.783	32.6	21.0	73 W	19*	66*
4 26	21 23.48	−13 46.1	1.680	1.750	34.0	20.9	77 W	21*	69*
5 6	21 46.01	−11 19.8	1.567	1.718	35.4	20.7	81 W	23*	71*
5 16	22 8.06	− 8 42.3	1.459	1.689	36.6	20.5	84 W	26*	72*
5 26	22 29.57	− 5 55.2	1.356	1.662	37.5	20.4	88 W	29*	70*
6 5	22 50.48	− 3 0.3	1.259	1.637	38.3	20.2	91 W	33*	67
6 15	23 10.70	+ 0 0.0	1.166	1.614	38.8	20.0	95 W	37*	64
6 25	23 30.07	+ 3 3.1	1.080	1.595	39.0	19.8	99 W	43*	61
7 5	23 48.44	+ 6 6.0	0.999	1.578	38.9	19.6	103 W	48*	58
7 15	0 5.47	+ 9 5.0	0.924	1.565	38.3	19.4	107 W	53*	55
7 20	0 13.37	+10 31.7	0.889	1.560	37.8	19.3	110 W	55*	53
7 25	0 20.80	+11 55.9	0.856	1.556	37.2	19.2	112 W	57*	52
7 30	0 27.70	+13 17.0	0.824	1.552	36.4	19.1	115 W	58	51
8 4	0 33.98	+14 34.3	0.793	1.550	35.5	19.0	118 W	60	49
8 9	0 39.57	+15 47.0	0.765	1.549	34.4	18.9	120 W	61	48
8 14	0 44.38	+16 54.3	0.738	1.548	33.1	18.8	124 W	62	47
8 19	0 48.35	+17 55.4	0.713	1.549	31.5	18.7	127 W	63	46
8 24	0 51.42	+18 49.4	0.690	1.550	29.8	18.5	130 W	64	45
8 29	0 53.53	+19 35.5	0.669	1.552	27.8	18.4	134 W	65	44
9 3	0 54.63	+20 12.5	0.651	1.556	25.6	18.3	138 W	65	44
9 8	0 54.73	+20 39.5	0.635	1.560	23.2	18.2	142 W	66	43
9 13	0 53.88	+20 55.7	0.623	1.565	20.6	18.1	147 W	66	43
9 18	0 52.19	+21 0.6	0.614	1.571	17.9	18.0	151 W	66	43
9 23	0 49.80	+20 54.3	0.608	1.578	15.2	17.8	156 W	66	43
9 28	0 46.92	+20 37.0	0.606	1.586	12.5	17.8	160 W	66	43
10 3	0 43.76	+20 9.6	0.609	1.594	10.2	17.7	164 W	65	44
10 8	0 40.58	+19 33.6	0.616	1.603	8.8	17.7	166 E	65	44
10 13	0 37.65	+18 51.1	0.627	1.614	8.6	17.7	166 E	64	45

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
455265 2001 VS_4 *(continuation)*									
10 18	0 35.20	+18 4.6	0.643	1.624	9.7	17.8	164 E	63	46
10 23	0 33.40	+17 16.5	0.664	1.636	11.7	18.0	161 E	62	47
10 28	0 32.37	+16 29.0	0.689	1.648	14.0	18.2	156 E	61	48
11 2	0 32.19	+15 43.9	0.718	1.661	16.3	18.4	152 E	61	48
11 7	0 32.90	+15 3.0	0.752	1.674	18.6	18.6	147 E	60	49
11 12	0 34.51	+14 27.4	0.789	1.688	20.7	18.7	143 E	59	50
11 22	0 40.25	+13 34.5	0.875	1.718	24.3	19.1	134 E	59	50
12 2	0 48.94	+13 6.7	0.974	1.749	27.0	19.5	126 E	58	51
12 12	1 0.11	+13 2.3	1.084	1.782	29.0	19.8	119 E	58	51
12 22	1 13.25	+13 17.9	1.204	1.816	30.2	20.1	112 E	58	51*
1 1	1 27.93	+13 49.0	1.332	1.851	30.8	20.4	105 E	59	49*
1 11	1 43.86	+14 32.1	1.466	1.887	31.0	20.6	99 E	60	47*
1 21	2 0.77	+15 23.2	1.604	1.923	30.7	20.9	93 E	60	44*
287662 2003 NW_6									
3 7	19 36.35	−20 33.4	2.229	1.829	26.0	21.4	54 W	15*	48*
3 17	20 2.66	−19 56.5	2.122	1.799	27.9	21.3	58 W	15*	52*
3 27	20 28.98	−19 7.6	2.017	1.771	29.6	21.3	61 W	15*	55*
4 6	20 55.25	−18 7.8	1.913	1.744	31.3	21.2	65 W	15*	59*
4 16	21 21.38	−16 58.7	1.812	1.720	32.9	21.1	69 W	16*	62*
4 26	21 47.27	−15 42.4	1.714	1.698	34.3	20.9	72 W	16*	66*
5 6	22 12.86	−14 21.2	1.620	1.679	35.6	20.8	75 W	17*	69*
5 16	22 38.06	−12 57.5	1.529	1.662	36.6	20.7	79 W	18*	71*
5 26	23 2.74	−11 34.4	1.442	1.649	37.5	20.6	82 W	20*	73*
6 5	23 26.80	−10 14.7	1.359	1.638	38.2	20.5	86 W	22*	74*
6 15	23 50.05	− 9 1.7	1.280	1.631	38.5	20.3	90 W	25*	73
6 25	0 12.26	− 7 58.8	1.206	1.627	38.6	20.2	94 W	28*	72
7 5	0 33.18	− 7 8.8	1.135	1.626	38.3	20.1	98 W	31*	71
7 15	0 52.43	− 6 34.9	1.068	1.629	37.5	19.9	103 W	35*	71
7 25	1 9.58	− 6 19.4	1.005	1.635	36.2	19.8	108 W	37*	70
8 4	1 24.14	− 6 24.0	0.947	1.644	34.4	19.6	114 W	38*	70
8 14	1 35.52	− 6 49.4	0.895	1.657	31.8	19.4	120 W	38	71
8 24	1 43.15	− 7 33.9	0.850	1.672	28.6	19.2	128 W	37	72
8 29	1 45.41	− 8 2.2	0.831	1.681	26.7	19.1	132 W	37	72
9 3	1 46.58	− 8 33.4	0.814	1.691	24.6	19.0	136 W	36	73
9 8	1 46.63	− 9 6.5	0.801	1.701	22.4	18.9	140 W	36	73
9 13	1 45.58	− 9 40.1	0.790	1.712	20.0	18.9	144 W	35	74
9 18	1 43.51	−10 12.6	0.784	1.723	17.7	18.8	149 W	35	74
9 23	1 40.54	−10 42.3	0.781	1.735	15.4	18.7	153 W	34	75
9 28	1 36.80	−11 7.5	0.783	1.747	13.3	18.7	156 W	34	75
10 3	1 32.48	−11 26.8	0.789	1.760	11.7	18.6	159 W	34	75
10 8	1 27.80	−11 38.8	0.800	1.774	10.8	18.6	161 W	33	76
10 13	1 23.03	−11 42.5	0.816	1.788	10.8	18.7	160 W	33	76
10 18	1 18.40	−11 37.2	0.838	1.802	11.6	18.8	159 E	33	76
10 23	1 14.12	−11 23.2	0.864	1.817	13.0	18.9	156 E	34	75
10 28	1 10.37	−11 0.7	0.895	1.832	14.8	19.1	152 E	34	75
11 2	1 7.28	−10 30.4	0.931	1.848	16.6	19.3	148 E	34	75
11 7	1 4.96	− 9 53.1	0.971	1.864	18.4	19.4	144 E	35	74
11 12	1 3.45	− 9 9.7	1.016	1.880	20.1	19.6	139 E	36	73
11 17	1 2.78	− 8 21.1	1.065	1.896	21.7	19.8	135 E	37	72
11 22	1 2.92	− 7 28.3	1.117	1.913	23.1	19.9	131 E	38	71
11 27	1 3.85	− 6 32.2	1.172	1.930	24.3	20.1	126 E	38	71
12 2	1 5.52	− 5 33.4	1.231	1.947	25.3	20.3	122 E	39	70
12 12	1 10.91	− 3 29.9	1.357	1.981	26.8	20.6	115 E	42	67
12 22	1 18.66	− 1 22.1	1.491	2.016	27.7	20.8	107 E	44	65*
1 1	1 28.35	+ 0 47.1	1.632	2.052	28.1	21.1	100 E	46	62*
1 11	1 39.65	+ 2 55.8	1.779	2.088	28.0	21.3	94 E	48	57*
1 21	1 52.27	+ 5 2.3	1.929	2.123	27.6	21.5	87 E	50	52*
529933 2010 TO_{174}									
3 7	19 50.99	−18 24.1	2.279	1.812	24.9	21.4	50 W	15*	44*
3 17	20 17.55	−17 26.8	2.174	1.777	26.8	21.3	54 W	15*	47*
3 27	20 44.22	−16 16.2	2.070	1.744	28.7	21.3	57 W	16*	51*
4 6	21 10.93	−14 53.7	1.968	1.713	30.5	21.2	60 W	16*	54*
4 16	21 37.62	−13 20.7	1.870	1.684	32.3	21.1	64 W	17*	57*
4 26	22 4.22	−11 39.3	1.774	1.658	33.9	21.0	67 W	17*	60*
5 6	22 30.72	− 9 51.8	1.683	1.635	35.4	20.9	70 W	18*	63*
5 16	22 57.04	− 8 0.8	1.596	1.615	36.7	20.7	73 W	20*	65*
5 26	23 23.10	− 6 9.2	1.514	1.598	37.9	20.6	76 W	22*	66*
6 5	23 48.83	− 4 20.2	1.436	1.586	38.8	20.5	79 W	24*	66*
6 15	0 14.10	− 2 36.9	1.362	1.577	39.6	20.4	82 W	27*	66*
6 25	0 38.71	− 1 2.6	1.292	1.572	40.1	20.3	85 W	31*	65*
7 5	1 2.49	+ 0 19.6	1.226	1.571	40.3	20.2	88 W	35*	64
7 15	1 25.12	+ 1 26.9	1.163	1.574	40.2	20.1	92 W	39*	63
7 25	1 46.24	+ 2 16.8	1.103	1.581	39.7	20.0	96 W	43*	62
8 4	2 5.45	+ 2 47.7	1.046	1.592	38.7	19.9	101 W	46*	61
8 14	2 22.23	+ 2 58.1	0.991	1.607	37.2	19.7	107 W	48*	61
8 24	2 36.02	+ 2 48.1	0.941	1.626	35.0	19.6	113 W	48	61
9 3	2 46.26	+ 2 18.6	0.895	1.647	32.1	19.4	120 W	47	62
9 13	2 52.37	+ 1 32.1	0.856	1.672	28.5	19.2	128 W	47	62

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	529933 2010 TO_{174} *(continuation)*								
	h m	° ′			°	m	°	°	°
9 18	2 53.75	+ 1 4.0	0.839	1.685	26.3	19.1	132 W	46	63
9 23	2 54.01	+ 0 33.8	0.826	1.700	24.0	19.1	136 W	46	63
9 28	2 53.15	+ 0 2.4	0.815	1.714	21.5	19.0	141 W	45	64
10 3	2 51.21	− 0 28.8	0.808	1.730	18.9	18.9	146 W	45	64
10 8	2 48.30	− 0 58.7	0.804	1.745	16.3	18.8	151 W	44	65
10 13	2 44.56	− 1 25.6	0.805	1.762	13.7	18.7	155 W	44	65
10 18	2 40.19	− 1 48.2	0.811	1.778	11.4	18.7	159 W	43	66
10 23	2 35.41	− 2 5.2	0.822	1.796	9.6	18.7	162 W	43	66
10 28	2 30.45	− 2 15.9	0.838	1.813	8.8	18.7	164 W	43	66
11 2	2 25.55	− 2 19.5	0.859	1.831	9.1	18.8	163 E	43	66
11 12	2 16.78	− 2 4.4	0.918	1.868	12.2	19.1	157 E	43	66
11 22	2 10.51	− 1 21.5	0.997	1.906	16.1	19.5	148 E	44	65
12 2	2 7.39	− 0 16.0	1.095	1.945	19.7	19.8	138 E	45	64
12 7	2 7.06	+ 0 23.5	1.150	1.965	21.2	20.0	134 E	45	64
12 12	2 7.56	+ 1 6.5	1.208	1.984	22.6	20.2	129 E	46	63
12 17	2 8.82	+ 1 52.2	1.270	2.004	23.7	20.3	125 E	47	62
12 22	2 10.80	+ 2 40.2	1.335	2.024	24.7	20.5	121 E	48	61
12 27	2 13.45	+ 3 29.8	1.403	2.044	25.4	20.7	117 E	48	61
1 1	2 16.71	+ 4 20.5	1.473	2.065	26.0	20.8	113 E	49	60
1 6	2 20.54	+ 5 12.1	1.545	2.085	26.5	20.9	109 E	50	59*
1 11	2 24.90	+ 6 4.1	1.619	2.105	26.8	21.1	105 E	51	58*
1 16	2 29.72	+ 6 56.2	1.694	2.125	26.9	21.2	102 E	52	56*
1 21	2 34.97	+ 7 48.1	1.771	2.145	27.0	21.3	98 E	53	54*
	514652 2005 SC_{71}								
3 7	20 3.54	+ 2 20.3	1.734	1.284	34.5	21.5	47 W	31*	32*
3 12	20 22.00	+ 3 51.6	1.713	1.267	35.1	21.4	47 W	31*	32*
3 17	20 40.56	+ 5 24.3	1.697	1.250	35.5	21.4	47 W	31*	32*
3 22	20 59.17	+ 6 57.2	1.683	1.235	35.9	21.4	47 W	31*	31*
3 27	21 17.81	+ 8 29.1	1.673	1.222	36.3	21.3	46 W	31*	31*
4 1	21 36.46	+ 9 59.1	1.665	1.210	36.5	21.3	46 W	30*	31*
4 6	21 55.09	+11 26.2	1.661	1.200	36.7	21.3	46 W	30*	31*
4 11	22 13.69	+12 49.5	1.658	1.192	36.8	21.3	45 W	29*	30*
4 16	22 32.21	+14 8.1	1.657	1.186	36.8	21.3	45 W	29*	30*
4 21	22 50.63	+15 21.4	1.658	1.182	36.8	21.3	45 W	28*	30*
4 26	23 8.94	+16 28.8	1.660	1.179	36.8	21.3	45 W	28*	30*
5 1	23 27.12	+17 29.9	1.663	1.179	36.8	21.3	44 W	27*	30*
5 6	23 45.15	+18 24.4	1.667	1.181	36.7	21.3	44 W	27*	30*
5 11	0 3.01	+19 12.1	1.670	1.185	36.7	21.3	44 W	26*	30*
5 16	0 20.67	+19 52.7	1.673	1.190	36.7	21.3	45 W	26*	30*
5 21	0 38.12	+20 26.2	1.676	1.198	36.7	21.3	45 W	26*	30*
5 26	0 55.33	+20 52.6	1.678	1.208	36.7	21.3	45 W	26*	31*
5 31	1 12.29	+21 11.8	1.680	1.219	36.8	21.3	46 W	26*	31*
6 5	1 28.98	+21 24.0	1.680	1.232	36.9	21.4	47 W	26*	32*
6 10	1 45.38	+21 29.2	1.679	1.247	37.0	21.4	48 W	26*	32*
6 15	2 1.46	+21 27.5	1.677	1.263	37.2	21.4	49 W	27*	33*
6 20	2 17.22	+21 18.9	1.673	1.280	37.4	21.5	50 W	27*	34*
6 25	2 32.61	+21 3.5	1.668	1.299	37.5	21.5	51 W	28*	35*
	418896 2009 AK_{15}								
3 7	20 23.83	−19 2.2	0.398	0.749	116.3	21.3	43 W	11*	36*
3 9	20 26.42	−17 18.1	0.417	0.748	113.7	21.3	44 W	12*	37*
3 11	20 29.32	−15 41.2	0.437	0.748	111.1	21.2	45 W	14*	38*
3 13	20 32.51	−14 11.0	0.457	0.749	108.5	21.2	46 W	15*	39*
3 15	20 35.94	−12 46.8	0.477	0.751	106.0	21.1	47 W	16*	40*
3 17	20 39.60	−11 27.9	0.497	0.754	103.5	21.1	47 W	18*	40*
3 22	20 49.51	− 8 31.0	0.548	0.764	97.5	21.0	49 W	20*	42*
3 27	21 0.26	− 5 57.3	0.597	0.779	91.9	21.0	51 W	22*	43*
4 1	21 11.54	− 3 41.5	0.645	0.799	86.8	21.0	53 W	24*	44*
4 6	21 23.11	− 1 39.3	0.691	0.823	82.3	21.1	55 W	25*	45*
4 11	21 34.76	+ 0 12.0	0.733	0.850	78.2	21.1	56 W	26*	46*
4 16	21 46.33	+ 1 54.6	0.771	0.880	74.5	21.2	58 W	28*	47*
4 21	21 57.71	+ 3 29.9	0.806	0.911	71.3	21.2	59 W	29*	47*
4 26	22 8.80	+ 4 59.0	0.837	0.945	68.5	21.3	61 W	30*	48*
5 1	22 19.56	+ 6 22.6	0.863	0.979	65.9	21.4	63 W	31*	49*
5 6	22 29.94	+ 7 41.5	0.886	1.014	63.7	21.4	64 W	32*	49*
5 11	22 39.89	+ 8 56.0	0.904	1.050	61.7	21.5	66 W	34*	50*
	458452 2011 BR_{15}								
3 7	20 46.58	−14 38.8	1.111	0.666	62.0	21.5	36 W	11*	30*
3 12	21 14.41	−12 0.2	1.156	0.651	59.1	21.4	34 W	10*	28*
3 17	21 41.59	− 9 18.1	1.205	0.640	55.6	21.4	32 W	10*	25*
3 22	22 8.20	− 6 35.1	1.255	0.633	51.7	21.3	30 W	9*	23*
3 27	22 34.29	− 3 53.9	1.307	0.632	47.6	21.3	28 W	9*	21*
4 1	22 59.90	− 1 16.5	1.360	0.635	43.5	21.3	26 W	8*	19*
4 6	23 25.06	+ 1 15.3	1.411	0.644	39.3	21.3	24 W	7*	17*
4 11	23 49.77	+ 3 40.0	1.462	0.657	35.4	21.3	22 W	6*	16*
4 16	0 14.04	+ 5 56.3	1.511	0.674	31.8	21.3	21 W	5*	14*
4 21	0 37.87	+ 8 3.4	1.557	0.694	28.6	21.3	19 W	4*	13*
4 26	1 1.27	+10 0.7	1.602	0.716	25.8	21.4	18 W	4*	11*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	458452 2011 BR_{15} *(continuation)*								
	h m	° ′			°	m	°	°	°
5 1	1 24.24	+11 47.7	1.644	0.741	23.3	21.4	17 W	3*	10*
5 6	1 46.81	+13 24.3	1.684	0.766	21.2	21.5	16 W	2*	9*
	413260 2003 TL_4								
3 7	21 17.66	−16 34.7	0.756	0.502	102.2	21.0	30 W	5*	24*
3 9	21 20.05	−15 28.8	0.791	0.511	97.0	20.9	31 W	6*	25*
3 11	21 23.28	−14 23.3	0.826	0.522	92.1	20.8	32 W	7*	26*
3 13	21 27.19	−13 18.7	0.860	0.534	87.7	20.8	32 W	8*	26*
3 15	21 31.65	−12 15.2	0.894	0.547	83.6	20.8	33 W	9*	27*
3 17	21 36.56	−11 12.7	0.926	0.561	79.9	20.8	34 W	9*	27*
3 22	21 50.20	− 8 41.7	1.004	0.598	71.9	20.8	35 W	11*	28*
3 27	22 5.00	− 6 18.1	1.076	0.637	65.5	20.9	36 W	12*	29*
4 1	22 20.35	− 4 1.5	1.140	0.677	60.5	21.0	36 W	12*	29*
4 6	22 35.89	− 1 51.3	1.197	0.717	56.6	21.1	37 W	13*	30*
4 11	22 51.42	+ 0 13.0	1.247	0.756	53.5	21.2	37 W	14*	30*
4 16	23 6.84	+ 2 11.8	1.291	0.793	51.0	21.3	38 W	14*	30*
4 21	23 22.13	+ 4 5.6	1.329	0.829	49.0	21.4	39 W	15*	31*
	331509 1999 YA								
3 7	21 31.34	−20 42.7	2.121	1.334	20.7	21.5	28 W	—	22*
3 17	22 7.80	−20 27.2	2.042	1.290	23.2	21.4	31 W	—	24*
3 27	22 46.03	−19 47.9	1.968	1.249	25.5	21.3	33 W	—	25*
4 6	23 25.87	−18 42.0	1.903	1.211	27.6	21.2	34 W	—	25*
4 16	0 6.96	−17 7.7	1.850	1.178	29.2	21.2	35 W	—	25*
4 26	0 48.75	−15 5.6	1.811	1.150	30.5	21.1	35 W	—	25*
5 6	1 30.61	−12 38.7	1.789	1.128	31.1	21.1	35 W	—	25*
5 16	2 11.94	− 9 52.6	1.783	1.115	31.2	21.0	35 W	—	24*
5 26	2 52.15	− 6 55.3	1.792	1.108	30.8	21.0	34 W	—	24*
6 5	3 30.89	− 3 54.9	1.814	1.110	29.8	21.0	33 W	—	24*
6 15	4 7.96	− 0 59.1	1.846	1.121	28.6	21.0	32 W	—	24*
6 25	4 43.29	+ 1 46.3	1.883	1.138	27.3	21.1	31 W	—	24*
7 5	5 16.96	+ 4 17.3	1.922	1.163	26.2	21.1	30 W	—	24*
7 15	5 49.09	+ 6 32.0	1.959	1.193	25.3	21.2	30 W	—	24*
7 25	6 19.79	+ 8 29.7	1.991	1.229	24.8	21.3	30 W	5*	24*
8 4	6 49.23	+10 11.0	2.017	1.269	24.7	21.4	32 W	10*	24*
8 14	7 17.52	+11 37.3	2.034	1.312	25.1	21.5	33 W	15*	24*
	141432 2002 CQ_{11}								
3 7	21 43.97	−14 11.1	1.472	0.678	34.7	21.4	23 W	2*	17*
3 12	22 13.84	−11 39.8	1.476	0.642	32.2	21.2	20 W	1*	14*
3 17	22 43.89	− 8 52.1	1.485	0.611	28.9	21.1	17 W	—	11*
3 22	23 14.05	− 5 51.1	1.498	0.585	24.6	20.9	14 W	—	8*
3 27	23 44.24	− 2 40.6	1.515	0.568	19.5	20.7	11 W	—	5*
4 1	0 14.39	+ 0 34.7	1.534	0.560	13.9	20.5	8 W	—	2*
4 6	0 44.41	+ 3 49.6	1.554	0.562	8.0	20.3	4 W	—	—
4 11	1 14.20	+ 6 59.0	1.575	0.573	2.6	20.1	2 W	—	—
4 16	1 43.66	+ 9 58.0	1.596	0.594	3.1	20.2	2 E	—	—
4 21	2 12.71	+12 42.9	1.618	0.622	7.3	20.5	4 E	—	—
4 26	2 41.25	+15 10.9	1.642	0.655	10.7	20.8	7 E	—	—
5 1	3 9.25	+17 20.4	1.668	0.692	13.4	21.1	9 E	2*	1*
5 6	3 36.62	+19 10.7	1.696	0.731	15.3	21.3	11 E	3*	2*
	457059 2008 EG								
3 7	21 51.00	−28 41.0	0.846	0.494	91.7	21.4	30 W	—	21*
3 9	22 5.88	−25 55.6	0.880	0.455	90.3	21.2	27 W	—	18*
3 11	22 19.90	−23 3.4	0.917	0.417	87.9	21.0	25 W	—	16*
3 13	22 33.29	−20 4.0	0.959	0.378	84.1	20.7	22 W	—	14*
3 15	22 46.31	−16 56.7	1.003	0.340	78.7	20.4	20 W	—	12*
3 17	22 59.26	−13 39.9	1.051	0.306	71.1	20.0	17 W	—	10*
3 19	23 12.47	−10 12.3	1.100	0.276	60.9	19.6	14 W	—	7*
3 21	23 26.24	− 6 34.2	1.148	0.255	48.0	19.1	11 W	—	5*
3 23	23 40.76	− 2 49.0	1.192	0.246	33.5	18.7	8 W	—	2*
3 25	23 55.95	+ 0 55.8	1.229	0.251	20.2	18.5	5 W	—	—
3 27	0 11.51	+ 4 31.5	1.258	0.270	13.1	18.4	4 W	—	—
3 29	0 27.14	+ 7 52.0	1.281	0.297	15.9	18.8	5 W	—	—
3 31	0 42.63	+10 55.2	1.299	0.331	21.6	19.2	7 E	—	—
4 2	0 57.91	+13 41.1	1.315	0.368	26.5	19.6	9 E	3*	—
4 4	1 12.94	+16 10.7	1.331	0.406	30.1	20.0	12 E	5*	—
4 6	1 27.73	+18 25.5	1.346	0.445	32.7	20.3	14 E	7*	—
4 8	1 42.27	+20 26.7	1.362	0.484	34.5	20.5	16 E	10*	—
4 10	1 56.57	+22 15.3	1.379	0.522	35.6	20.7	18 E	11*	—
4 12	2 10.62	+23 52.4	1.397	0.559	36.3	20.9	19 E	13*	—
4 14	2 24.42	+25 18.8	1.416	0.596	36.6	21.1	21 E	15*	—
4 16	2 37.96	+26 35.4	1.436	0.631	36.7	21.3	22 E	16*	—
4 21	3 10.58	+29 8.7	1.491	0.716	36.0	21.6	25 E	19*	2*
4 26	3 41.34	+30 55.8	1.552	0.794	34.7	21.9	27 E	21*	3*
5 1	4 10.11	+32 5.6	1.616	0.868	33.1	22.1	28 E	22*	5*
5 6	4 36.89	+32 46.0	1.684	0.936	31.3	22.3	29 E	22*	6*